Appendix for Fish and Fisheries manuscript - Summary contents of the RAM Legacy database

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May 18, 2010

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Contents

Chapter 1

Introduction

In 1995 the late Ransom A. Myers and colleagues first published a summary of their newly compiled worldwide database of stock-recruitment data for marine species (Myers, R. A., J. Bridson, and N.J. Barrowman. 1995. Summary of Worldwide Spawner and Recruitment Data. Can. Tech. Rep. Fish. Aquat. Sci. 2020: iv + 327 p.). This database has since been used in a large number of publications, leading to important advances in fisheries science and ecology (please refer to the following URL for a list of Dr. Myers' publications: `http://as01.ucis.dal.ca/ramweb/content.php?lang=en&i=4&sub=0`). Increasingly, however, analyses became limited by the lack of updating for many of the stocks, providing potentially an outdated picture of the status of marine fisheries. This document summarizes the contents of an updated database of stock assessments.

The current database details can be accessed at the following URL: `http://www.marinebiodiversity.ca/RAMlegacy/srdb`

1.1 Contacts

For further information about the databse design, its content and how to access it, please contact:

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Chapter 2

Summary plots

Assessment of New Zealand Area PAU 5A new zealand abalone species (*Haliotis iris*)

Assessment ID:NZMFishSHELLFISHWG-PAUAPAU5A-1964-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/183

Area ID: New Zealand-MFish-PAU5A

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Shellfish Working Group
Assessment authors	
Assessment method	Custom length-based Bayesian Model
Publication year	
Timeseries span	1964-2006
Document	07-09-FAR.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-03-11
Date last loaded	2009-06-10
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
46 - New Zealand Shelf	na	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1964		1964	1964	1965
Maximum year	2006		2006	2006	2006
Time series minimum	348.871		0	412.6615	5.591
Time series maximum	1151.38		0.475108	1225.96	156.725
Units	MT		ratio	MT	MT

No recruitment data available

No SSB−recruit data available

Assessment of New Zealand Area PAU 5B (Stewart Island) new zealand abalone species (*Haliotis iris*)

Assessment ID:NZMFishSHELLFISHWG-PAUAPAU5B-1963-2007-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/185

Area ID: New Zealand-MFish-PAU5B

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Shellfish Working Group
Assessment authors	
Assessment method	Custom length-based Bayesian Model
Publication year	
Timeseries span	1963-2007
Document	08-05-FAR.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-03-11
Date last loaded	2009-06-10
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
46 - New Zealand Shelf	na	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1963		1963	1963	1964
Maximum year	2007		2007	2007	2007
Time series minimum	995.966		0	1087.835	10.235
Time series maximum	3057.775		0.2800015	3161.35	360.148
Units	MT		ratio	MT	MT

No recruitment data available

No SSB−recruit data available

Assessment of New Zealand Area PAU 5D (Otago) new zealand abalone species (*Haliotis iris*)

Assessment
ID:NZMFishSHELLFISHWG-PAUAPAU5D-1964-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/184

Area ID: New Zealand-MFish-PAU5D

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Shellfish Working Group
Assessment authors	
Assessment method	Custom length-based Bayesian Model
Publication year	
Timeseries span	1964-2006
Document	07-09-FAR.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-03-11
Date last loaded	2009-06-10
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
46 - New Zealand Shelf	na	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1964		1964	1964	1965
Maximum year	2006		2006	2006	2006
Time series minimum	370.6535		0	395.837	6.717
Time series maximum	1928.83		0.6356325	1954.34	197.437
Units	MT		ratio	MT	MT

No recruitment data available

No SSB−recruit data available

Assessment of New Zealand Area PAU 7 (Marlborough) new zealand abalone species (*Haliotis iris*)

Assessment ID:NZMFishSHELLFISHWG-PAUAPAU7-1964-2008-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/186

Area ID: New Zealand-MFish-PAU7

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Shellfish Working Group
Assessment authors	NULL
Assessment method	Custom length-based Bayesian Model
Publication year	
Timeseries span	1964-2008
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-03-11
Date last loaded	2009-06-10
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
46 - New Zealand Shelf	na	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1964		1965	1964	1965
Maximum year	2008		2008	2008	2008
Time series minimum	845.1		0.005	1025.2	15.744
Time series maximum	3911.64		0.798	4140.13	507.538
Units	MT		ratio	MT	MT

No recruitment data available

No SSB−recruit data available

Assessment of South Africa south african abalone (*Haliotis midae*)

Assessment ID:MARAM-SAABALONESA-1951-2008-PLAGANYI
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/198

Area ID: South Africa-DETMCM-SA

General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Management Group, Department of Mathematics and Applied Mathematics, University of Cape Town, Rondebosch, 7701, South Africa
Assessment authors	Plaganyi EE
Assessment method	Statistical catch-at-age model
Publication year	
Timeseries span	1951-2008
Document	Plaganyi-SA-abalone-2008 NOV SWG-AB 21.pdf (pdf in database)
Recorder	PLAGANYI
Date entered	2009-03-13
Date last loaded	2009-12-01
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
29 - Benguela Current	na	na

Parameter	Value	Units
SSB-AGE-yr	7+	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	1+	yr
A50-yr	5	yr
M-1/yr	0.326	1/yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
Blim-MT (SSB)	5689	MT
SSB0-MT (SSB)	30489	MT
SSB_{2008}/B_{lim}	1.000	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1951	1951	1951	1951	1951
Maximum year	2008	2008	2008	2008	2008
Time series minimum	5689.03	12985	0.01	7467.76	24
Time series maximum	30488.96	21263.9	0.23	35949.1	2712.4
Units	MT	E03	1/yr	MT	MT

Assessment of Southeast Australia bight redfish (*Centroberyx gerrardi*)

Assessment ID:CSIRO-BIGHTREDSE-1958-2007-FULTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/100

Area ID: Australia-AFMA-SE

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	NULL (pdf not in database)
Recorder	FULTON
Date entered	2008-04-30
Date last loaded	2009-06-11
QA/QC complete	YES
Date approved	2009-06-11

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

primary LME	secondary LME	tertiary LME
43 - Southwest Australian Shelf	na	na

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		

Reference points

Parameter	Value	Units
Blim-MT (TB)	6766.72	MT
SSBmsy-MT (SSB)	16240.128	MT
SSB_{2007}/SSB_{msy}	0.946	

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 Cascade Plateau orange roughy (*Hoplostethus atlanticus*)

Assessment ID:CSIRO-OROUGHYCASCADE-1987-2006-FULTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/96

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	2006
Timeseries span	1987-2006
Document	CSIRO-Cascade-Plateau-Stock-Assessment-2006.pdf (pdf in database)
Recorder	FULTON
Date entered	2008-04-30
Date last loaded	2010-04-09
QA/QC complete	YES
Date approved	2009-06-11

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

primary LME	secondary LME	tertiary LME
42 - Southeast Australian Shelf	na	na

Parameter	Value	Units
SSB-SEX-sex	1	sex
TB-AGE-yr	0	yr
A50-yr	32	yr
L50-cm	32	cm
REC-AGE		
SSB-AGE-yr		
F-AGE-yr		
M		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	5716.3	MT
SSBpa-MT (SSB)	13719.12	MT
SSB_{2006}/SSB_{lim}	3.717	

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-OROUGHYSE-1978-2007-FULTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/98

Area ID: Australia-AFMA-SE

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	NULL (pdf not in database)
Recorder	FULTON
Date entered	2008-04-30
Date last loaded	2009-06-11
QA/QC complete	YES
Date approved	2009-04-21

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

primary LME	secondary LME	tertiary LME
42 - Southeast Australian Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	2	yr
TB-AGE-yr	0	yr
A50-yr	32	yr
L50-cm	32	cm
REC-AGE		
F-AGE-yr		
M		

Reference points		
Parameter	Value	Units
SSBmsy-MT (SSB)	8149.26	MT
Bpa-MT (TB)	19558.224	MT
SSB_{2007}/SSB_{msy}	0.519	

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 New Zealand Mid East Coast orange roughy (*Hoplostethus atlanticus*)

Assessment ID:NIWA-OROUGHYNZMEC-1981-2004-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/219

Area ID: New Zealand-MFish-NZMEC

General assessment details.

Detail	Value
Management body	MFish
Assessment group	National Institute of Water and Atmospheric Research
Assessment authors	
Assessment method	CASAL
Publication year	
Timeseries span	1981-2004
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-03-24
Date last loaded	2010-02-04
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
46 - New Zealand Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
TB-AGE-yr	1	yr
A50-yr	31.3	yr
M-1/yr	0.045	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.044	1/yr
SSBmsy-MT (SSB)	20213.00407	MT
MSY-MT (TB)	2598.07907	MT
SSB0-MT (SSB)	97126.1	MT
BH-h-dimless	0.75	dimless
F_{2004}/F_{msy}	0.353	
SSB_{2004}/SSB_{msy}	1.204	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1981		1981	1981	1981
Maximum year	2004		2004	2004	2004
Time series minimum	18208		0	178351	0
Time series maximum	97126.3		0.180408935	280089	12620
Units	MT		1/yr	MT	MT

No recruitment data available

No SSB−recruit data available

NIWA-OROUGHYNZMEC-1981-2004-JENSEN.pdf
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Assessment of Atlantic blacknose shark (*Carcharhinus acronotus*)

Assessment ID:SEFSC-BNOSESHARATL-1950-2005-FAUCONNET
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/324

Area ID: USA-NMFS-ATL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	Brooks, Liz
Assessment method	Age-structured surplus production model
Publication year	2007
Timeseries span	1950-2005
Document	SmallcoastalAtl2007-SEFSC.pdf (pdf in database)
Recorder	FAUCONNET
Date entered	2009-05-06
Date last loaded	2010-02-25
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	7 - Northeast U.S. Continental Shelf	na

Parameter	Value	Units
SSB-AGE-yr	4.5	yr
REC-AGE		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.07	1/yr
Fcurrent-1/T (F)	0.24	1/T
MSY-MT (TB)	89.415	MT
SPRmsy-E00	0.71	E00
SSFmsy-E00	349060	E00
Nmsy-E00	570753	E00
BH-h-dimless	0.24	dimless
F_{2005}/F_{msy}	3.500	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1950	1950	
Maximum year			2005	2005	
Time series minimum			0.012	372	
Time series maximum			0.445	1340	
Units			1/yr	E03	

No recruitment data available

No SSB−recruit data available

Assessment of Atlantic finetooth shark (*Carcharhinus isodon*)

Assessment ID:SEFSC-FTOOTHSHARATL-1976-2005-FAUCONNET
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/323

Area ID: USA-NMFS-ATL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	Brooks, Liz
Assessment method	Bayesian Biomass Model
Publication year	2007
Timeseries span	1976-2005
Document	SmallcoastalAtl2007-SEFSC.pdf (pdf in database)
Recorder	FAUCONNET
Date entered	2009-05-07
Date last loaded	2010-02-25
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	7 - Northeast U.S. Continental Shelf	na

Parameter	Value	Units
A50-yr	5	yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/T (F)	0.030	1/T
Nmsy-E00	3199000	E00
MSY-E00	96000	E00
K-E00	6397000	E00
RY-E00	21000	E00
r-1/yr	0.060	1/yr
F_{2005}/F_{msy}	0.086	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1976	1976	
Maximum year			2005	2005	
Time series minimum			0	3715591	
Time series maximum			0.00724	4168160	
Units			1/yr	E03	

No recruitment data available

No SSB−recruit data available

Assessment of Atlantic blacktip shark (*Carcharhinus limbatus*)

Assessment ID:SEFSC-BTIPSHARATL-1981-2004-FAUCONNET
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/321

Area ID: USA-NMFS-ATL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	Carlson, John
Assessment method	State-space age-stuctured production model
Publication year	2006
Timeseries span	1981-2004
Document	LargeCoastalAtl2006-SEFSC.pdf (pdf in database)
Recorder	FAUCONNET
Date entered	2009-05-05
Date last loaded	2010-02-25
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	7 - Northeast U.S. Continental Shelf	na

Parameter	Value	Units
SSB-AGE-yr	7.5	yr
A50-yr	7.5	yr
REC-AGE		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/T (F)	0.2	1/T
MSY-MT (TB)	1.49E+04	MT
R0-E00	1.50E+06	E00
SPRmsy-E00	0.62	E00
BH-h-dimless	0.38	dimless
F_{2004}/F_{msy}	0.005	

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year			1981	1981	1981
Maximum year			2004	2004	2004
Time series minimum			0.001	50365.1	5
Time series maximum			0.007	50996.3	116.8
Units			1/yr	E03	E03

No recruitment data available

No SSB−recruit data available

Assessment of Gulf of Mexico blacktip shark (*Carcharhinus limbatus*)

Assessment ID:SEFSC-BTIPSHARGM-1981-2004-FAUCONNET
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/322

Area ID: USA-NMFS-GM

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	Carlson, John
Assessment method	State-space age-stuctured production model
Publication year	2006
Timeseries span	1981-2004
Document	LargeCoastalAtl2006-SEFSC.pdf (pdf in database)
Recorder	FAUCONNET
Date entered	2009-05-04
Date last loaded	2010-02-25
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
SSB-AGE-yr	6.5	yr
A50-yr	6.5	yr
REC-AGE		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/T (F)	0.20	1/T
MSY-MT (TB)	2.42E+04	MT
R0-E00	1.50E+07	E00
SPRmsy-E00	0.62	E00
BH-h-dimless	0.40	dimless
F_{2004}/F_{msy}	0.120	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1981	1981	1981
Maximum year			2004	2004	2004
Time series minimum			0.023	21636.06	114.5
Time series maximum			0.073	23667.92	400.1
Units			1/yr	E03	E03

No recruitment data available

No SSB−recruit data available

Assessment of Atlantic sandbar shark (*Carcharhinus plumbeus*)

Assessment ID:SEFSC-SBARSHARATL-1975-2004-FAUCONNET
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/304

Area ID: USA-NMFS-ATL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	Carlson, John
Assessment method	State-space age-stuctured production model
Publication year	2006
Timeseries span	1975-2004
Document	LargeCoastalAtl2006-SEFSC.pdf (pdf in database)
Recorder	FAUCONNET
Date entered	2009-04-29
Date last loaded	2010-02-25
QA/QC complete	NO
Date approved	

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

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

Parameter	Value	Units
SSB-AGE-yr	19	yr
A50-yr	19	yr
M-1/T	0.224	1/T
REC-AGE		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/T (F)	0.015	1/T
Fref-1/T (F)	9.80E-05	1/T
MSY-MT (TB)	403	MT
R0-E00	5.00E+05	E00
SPRmsy-E00	0.95	E00
SSFmsy-E00	1127210.53	E00
BH-h-dimless	0.32	dimless
F_{2004}/F_{msy}	3.733	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1975	1975	1981
Maximum year			2004	2004	2004
Time series minimum			0.027	1520.56	50.1
Time series maximum			0.576	3678.73	436
Units			1/yr	E03	E03

No recruitment data available

No SSB−recruit data available

Assessment of Atlantic atlantic sharpnose shark (*Rhizoprionodon terraenovae*)

Assessment ID:SEFSC-SNOSESHARATL-1950-2005-FAUCONNET
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/325

Area ID: USA-NMFS-ATL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	Brooks, Liz
Assessment method	Age-structured surplus production model
Publication year	2007
Timeseries span	1950-2005
Document	SmallcoastalAtl2007-SEFSC.pdf (pdf in database)
Recorder	FAUCONNET
Date entered	2009-05-07
Date last loaded	2010-02-25
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	7 - Northeast U.S. Continental Shelf	na

Parameter	Value	Units
SSB-AGE-yr	2.5	yr
REC-AGE		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.19	1/yr
Fcurrent-1/T (F)	0.13	1/T
MSY-MT (TB)	1.27E+06	MT
r-1/yr	0.165	1/yr
SPRmsy-E00	0.59	E00
SSFmsy-E00	4.59E+06	E00
Nmsy-E00	4.62E+06	E00
BH-h-dimless	0.42	dimless

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					1950
Maximum year					2005
Time series minimum					115.836
Time series maximum					1723.362
Units					E03

No biomass data available

No recruitment data available

No SSB−recruit data available

Assessment of Atlantic bonnethead shark (*Sphyrna tiburo*)

Assessment ID:SEFSC-BHEADSHARATL-1950-2005-FAUCONNET
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/326

Area ID: USA-NMFS-ATL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	Brooks, Liz
Assessment method	Age-structured surplus production model
Publication year	2007
Timeseries span	1950-2005
Document	SmallcoastalAtl2007-SEFSC.pdf (pdf in database)
Recorder	FAUCONNET
Date entered	2009-05-08
Date last loaded	2010-02-25
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	7 - Northeast U.S. Continental Shelf	na

Parameter	Value	Units
SSB-AGE-yr	3.5	yr
REC-AGE-yr	age 1?	yr
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.31	1/yr
Fcurrent-1/T (F)	0.19	1/T
MSY-MT (TB)	568871	MT
SPRmsy-E00	0.42	E00
SSFmsy-E00	1.99E+06	E00
Nmsy-E00	1.92E+06	E00
BH-h-dimless	0.44	dimless
F_{2005}/F_{msy}	0.606	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1950	1950	1950
Maximum year			2005	2005	2005
Time series minimum			0.085	1940	15.111
Time series maximum			0.635	3990	868.767
Units			1/yr	E03	E03

No recruitment data available

No SSB−recruit data available

Assessment of Gulf of Mexico gulf menhaden (*Brevoortia patronus*)

Assessment ID:SEFSC-MENATGM-1964-2004-GILROY
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/141

Area ID: USA-NMFS-GM

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	Vaughan, Douglas
Assessment method	Statistical catch-at-age model
Publication year	2007
Timeseries span	1964-2004
Document	GILROY-MENHADENGM-2007.pdf (pdf in database)
Recorder	GILROY
Date entered	2009-02-16
Date last loaded	2009-03-17
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		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Flim-1/yr (F)	1.46	1/yr
Fcurrent-1/T (F)	1.094	1/T
F0.1-1/yr (F)	3.12	1/yr
F_{2004}/F_{lim}	0.749	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1964	1964	1964	1964	1964
Maximum year	2004	2004	2004	2004	2004
Time series minimum	7668110000	74200000	0.478	799000	317300
Time series maximum	165498000000	542100000	3.387	5852700	985100
Units	E03eggs	E03	1/yr	MT	MT

SEFSC-MENATGM-1964-2004-GILROY.pdf
Created on 2010-02-17 16:04:13 AST

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	NA
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	2009-06-10
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
7 - Northeast U.S. Continental Shelf	6 - Southeast U.S. Continental Shelf	8 - Scotian Shelf

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

Reference points

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

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

No SSB−recruit
data available

Assessment of Eastern Baltic herring (*Clupea harengus*)

Assessment ID:WGBFAS-HERR2532-1973-2006-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/29

Area ID: multinational-ICES-25-32

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Baltic Fisheries Assessment Working Group
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1973-2006
Document	ICES-WGBFAS-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-21
Date last loaded	2009-06-01
QA/QC complete	YES
Date approved	2009-05-28

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

primary LME	secondary LME	tertiary LME
23 - Baltic Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	3 to 6	yr-yr
TB-AGE-yr	1+	yr
A50-yr	AVAILABLE	yr
M-1/T	AVAILABLE	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points

Parameter	Value	Units
Flim-1/T (F)	0.33	1/T
Fpa-1/T (F)	0.17	1/T
F_{2006}/F_{lim}	0.365	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1974	1973	1974	1974	1974
Maximum year	2006	2005	2006	2006	2006
Time series minimum	389316	8391585	0.1205	642453	91592
Time series maximum	1750785	35403764	0.4619	2929887	368652
Units	MT	E03	1/T	MT	MT

Assessment of Gulf of Riga East of Gotland herring (*Clupea harengus*)

Assessment ID:WGBFAS-HERRRIGA-1976-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/32

Area ID: multinational-ICES-28

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Baltic Fisheries Assessment Working Group
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1976-2007
Document	ICES-WGBFAS-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-21
Date last loaded	2010-03-10
QA/QC complete	YES
Date approved	2009-05-28

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

primary LME	secondary LME	tertiary LME
23 - Baltic Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	1.5	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	3 to 7	yr-yr
TB-AGE-yr	1+	yr
A50-yr	1.5	yr
M-1/T	AVAILABLE	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fpa-1/T (F)	0.4	1/T
SSBlim-MT (SSB)	36500	MT
SSBpa-MT (SSB)	50000	MT
SSB_{2007}/SSB_{lim}	2.651	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1977	1976	1977	1977	1977
Maximum year	2007	2006	2006	2006	2006
Time series minimum	39874	551371	0.2423	65521	12777
Time series maximum	118870	6551573	0.7075	168458	40803
Units	MT	E03	1/T	MT	MT

Assessment of Bothnian Sea herring (*Clupea harengus*)

Assessment ID:WGBFAS-HERR30-1972-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/30

Area ID: multinational-ICES-30

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Baltic Fisheries Assessment Working Group
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1972-2007
Document	ICES-WGBFAS-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-18
Date last loaded	2010-03-10
QA/QC complete	YES
Date approved	2009-05-28

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

primary LME	secondary LME	tertiary LME
23 - Baltic Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	3 to 7	yr-yr
TB-AGE-yr	1+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.2	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Flim-1/T (F)	0.3	1/T
Fpa-1/T (F)	0.21	1/T
SSBlim-MT (SSB)	145000	MT
SSBpa-MT (SSB)	200000	MT
SSB_{2006}/SSB_{lim}	2.213	
F_{2006}/F_{lim}	0.564	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1973	1972	1973	1973	1973
Maximum year	2006	2006	2006	2006	2006
Time series minimum	99048	501629	0.0724	128629	13700
Time series maximum	424424	16311979	0.2366	537441	68635
Units	MT	E03	1/T	MT	MT

WGBFAS-HERR30-1972-2007-JENNINGS.pdf
Created on 2010-05-18 12:33:18 ADT

Assessment of Bothnian Bay herring (*Clupea harengus*)

Assessment ID:WGBFAS-HERR31-1979-2006-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/31

Area ID: multinational-ICES-31

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Baltic Fisheries Assessment Working Group
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1979-2006
Document	ICES-WGBFAS-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-18
Date last loaded	2009-06-01
QA/QC complete	YES
Date approved	2009-05-28

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

primary LME	secondary LME	tertiary LME
23 - Baltic Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	3 to 7	yr-yr
TB-AGE-yr	1+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.15	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1980	1979	1980	1980	1980
Maximum year	2006	2005	2006	2006	2006
Time series minimum	8318	102001	0.1584	13338	2592
Time series maximum	39680	931324	0.6409	55196	9659
Units	MT	E03	1/T	MT	MT

WGBFAS-HERR31-1979-2006-JENNINGS.pdf
Created on 2010-05-18 12:33:20 ADT

Assessment of Iceland Grounds herring (*Clupea harengus*)

Assessment ID:WGBFAS-HERRIsum-1983-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/47

Area ID: multinational-ICES-Va

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Baltic Fisheries Assessment Working Group
Assessment authors	Anon
Assessment method	VPA/ADPAT version 2.3.2 NOAA Fisheries
Publication year	2007
Timeseries span	1983-2007
Document	ICES-NWWG-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-25
Date last loaded	2009-06-01
QA/QC complete	YES
Date approved	2009-05-28

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

primary LME	secondary LME	tertiary LME
59 - Iceland Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	3	yr
F-AGE-yr-yr	5 to 10	yr-yr
TB-AGE-yr	3+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.1	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1986	1983	1986	1986	1986
Maximum year	2007	2004	2006	2007	2006
Time series minimum	276000	197000	0.102	355000	65000
Time series maximum	785000	2011000	0.421	965000	134000
Units	MT	E03	1/T	MT	MT

Assessment of Irish Sea herring (*Clupea harengus*)

Assessment ID:HAWG-HERRNIRS-1960-2006-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/77

Area ID: multinational-ICES-VIIa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Herring Assessment Working Group for the Area South of 62N
Assessment authors	Anon
Assessment method	Integrated Catch-at-age Analysis
Publication year	2007
Timeseries span	1960-2006
Document	ICES-HAWG-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-26
Date last loaded	2010-03-11
QA/QC complete	YES
Date approved	2009-05-29

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	2 to 6	yr-yr
TB-AGE-yr	1+	yr
A50-yr	AVAILABLE	yr
M-1/T	AVAILABLE	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points

Parameter	Value	Units
SSBlim-MT (SSB)	6000	MT
SSBpa-MT (SSB)	9500	MT
SSB_{2006}/SSB_{lim}	1.519	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1961	1960	1961	1961	1961
Maximum year	2006	2005	2006	2006	2006
Time series minimum	1866	52490000	0.1966	11871	2002
Time series maximum	34796	936160000	1.1579	116486	38640
Units	MT	E03	1/T	MT	MT

Assessment of 22-24-IIIa herring (*Clupea harengus*)

Assessment ID:HAWG-HERR2224IIIa-1991-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/369

Area ID: multinational-ICES-22-24-IIIa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Herring Assessment Working Group for the Area South of 62N
Assessment authors	Anon
Assessment method	Integrated Catch-at-age Analysis
Publication year	2007
Timeseries span	1991-2006
Document	ICES-HAWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-15
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
22 - North Sea	23 - Baltic Sea	na

Parameter	Value	Units
A50-yr	2-3	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	0	yr
TB-AGE-yr	0+	yr
F-AGE-yr-yr	3-6	yr-yr
M-1/T	0.2 for 2+	1/T
M		
L50-cm		

Reference points		
Parameter	Value	Units
F0.1-1/T	0.22	1/T
Fmax-1/T	0.53	1/T

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1991	1991	1991	1991	1991
Maximum year	2006	2006	2006	2006	2006
Time series minimum	111615	1313450	0.3875	251938	76815
Time series maximum	300193	6257570	0.7704	592997	194411
Units	MT	E03	1/yr	MT	MT

Assessment of West of Scotland herring (*Clupea harengus*)

Assessment ID:HAWG-HERRVIa-1957-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/371

Area ID: multinational-ICES-VIa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Herring Assessment Working Group for the Area South of 62N
Assessment authors	Anon
Assessment method	Integrated Catch-at-age Analysis
Publication year	2007
Timeseries span	1957-2006
Document	ICES-HAWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-15
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
A50-yr	1-2	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	1	yr
TB-AGE-yr	1+	yr
F-AGE-yr-yr	3-6	yr-yr
M-1/T	0.1 for 4+	1/T
M		
L50-cm		

Reference points		
Parameter	Value	Units
F0.1-1/T	0.17	1/T
SSBlim-MT (SSB)	50000	MT
SSB_{2006}/SSB_{lim}	1.556	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1958	1957	1958	1958	1958
Maximum year	2006	2005	2006	2006	2006
Time series minimum	50015	112240	0.0004	111054	60
Time series maximum	484835	9575740	1.0609	1522522	210270
Units	MT	E03	1/T	MT	MT

Assessment of VIa, VIIb and VIIc herring (*Clupea harengus*)

Assessment ID:HAWG-HERRVIaVIIbc-1969-2000-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/372

Area ID: multinational-ICES-VIa-VIIb-VIIc

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Herring Assessment Working Group for the Area South of 62N
Assessment authors	Anon
Assessment method	Virtual Population Analysis
Publication year	2007
Timeseries span	1969-2000
Document	ICES-HAWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-15
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
A50-yr	1	yr
SSB-AGE-yr	1+	yr
REC-AGE-yr	1	yr
TB-AGE-yr	1+	yr
F-AGE-yr-yr	3-6	yr-yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	81000	MT
SSBpa-MT (SSB)	110000	MT
Flim-1/T (F)	0.33	1/T
Fpa-1/T (F)	0.22	1/T
SSB_{2000}/SSB_{lim}	0.472	
F_{2000}/F_{lim}	1.522	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1970	1969	1970	1970	1970
Maximum year	2000	1999	2000	2000	2000
Time series minimum	38246	392.621	0.1545	105417	15044
Time series maximum	310384	3284.004	1.0001	578250	48600
Units	MT	E03	1/T	MT	MT

Assessment of North Sea herring (*Clupea harengus*)

Assessment ID:HAWG-HERRNS-1960-2007-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/370

Area ID: multinational-ICES-IV

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Herring Assessment Working Group for the Area South of 62N
Assessment authors	Anon
Assessment method	Integrated Catch-at-age Analysis
Publication year	2007
Timeseries span	1960-2007
Document	ICES-HAWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-15
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
22 - North Sea	na	na

Parameter	Value	Units
A50-yr	2	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	0	yr
TB-AGE-yr	0+	yr
F-AGE-yr-yr	2-6	yr-yr
M-1/T	0.1 for 4+	1/T
M		
L50-cm		

Reference points

Parameter	Value	Units
F0.1-1/T	0.22	1/T
Fpa-1/T (F)	0.25	1/T
SSBpa-MT (SSB)	1300000	MT
SSBlim-MT (SSB)	800000	MT
SSB_{2006}/SSB_{lim}	1.510	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1960	1960	1960	1960	1960
Maximum year	2006	2007	2006	2006	2006
Time series minimum	47975	2732.61	0.053	211261	11000
Time series maximum	2183501	109000	1.4676	4792818	1168800
Units	MT	E03	1/T	MT	MT

Assessment of Northwestern Atlantic Coast herring (*Clupea harengus*)

Assessment ID:NEFSC-HERRNWATLC-1960-2005-OVERHOLTZ
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/295

Area ID: USA-NMFS-NWATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Transboundary Resource Assessment Committee
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2006
Timeseries span	1960-2005
Document	Herring2006.pdf (pdf in database)
Recorder	OVERHOLTZ
Date entered	2009-04-29
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
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
REC-AGE-yr	2	yr
A50-yr	2.95	yr
L50-cm	25.35	cm
M-1/T	0.2	1/T
TB-AGE-yr		
F-AGE-yr		
M		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	629000	MT
F0.1-1/yr (F)	0.21	1/yr
Fmsy-1/yr (F)	0.31	1/yr
F40%-1/T	0.2	1/T
MSY-MT (TB)	194000	MT
F_{2005}/F_{msy}	0.339	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1967	1967	1967		1960
Maximum year	2005	2003	2005		2005
Time series minimum	105470	393002	0.10082		36358
Time series maximum	1450950	8086560	0.809456		469535
Units	MT	E03	1/T		MT

Assessment of NAFO 4R herring (*Clupea harengus*)

Assessment ID:DFO-QUE-HERR4RFA-1973-2003-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/167

Area ID: Canada-DFO-4R

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Quebec Region
Assessment authors	Gregoire, Francois
Assessment method	Sequential Population Analysis / ADAPT
Publication year	2004
Timeseries span	1973-2003
Document	NAFO-HERR4RFA-2004.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-06-05
Date last loaded	2009-03-17
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
9 - Newfoundland-Labrador Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	2+	yr
REC-AGE-yr	2	yr
F-AGE-yr-yr	4+	yr-yr
A50-yr	4-5	yr
M-1/T	0.2	1/T
TB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Blim-MT (TB)	37831	MT
F0.1-1/yr (F)	0.3	1/yr
Fmax-1/yr (F)	0.55	1/yr
Bbuf-MT (TB)	57453	MT

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1973	1973	1973		1973
Maximum year	2003	2003	2002		2002
Time series minimum	34671	6244	0.032		5849
Time series maximum	98616	385586	0.199		42543
Units	MT	E03	1/T		E03

DFO-QUE-HERR4RFA-1973-2003-PREFONTAINE.pdf
Created on 2010-03-26 08:53:37 ADT

Assessment of NAFO 4R herring (*Clupea harengus*)

Assessment ID:DFO-QUE-HERR4RSP-1965-2004-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/168

Area ID: Canada-DFO-4R

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Quebec Region
Assessment authors	Gregoire, Francois
Assessment method	Sequential Population Analysis / ADAPT
Publication year	2004
Timeseries span	1965-2004
Document	NAFO-HERR4RSP-2004.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-05-30
Date last loaded	2009-03-17
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
9 - Newfoundland-Labrador Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	2+	yr
REC-AGE-yr	2	yr
F-AGE-yr-yr	4+	yr-yr
A50-yr	3-4	yr
M-1/T	0.2	1/T
TB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Blim-MT (TB)	37831	MT
F0.1-1/yr (F)	0.3	1/yr
Fmax-1/yr (F)	0.55	1/yr
Bbuf-MT (TB)	57453	MT

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1965	1965	1965	1965	1965
Maximum year	2004	2004	2003	2004	2003
Time series minimum	32559	8533	0.015	48431	4983
Time series maximum	189156	802298	0.303	234686	56356
Units	MT	E03	1/T	MT	E03

DFO-QUE-HERR4RSP-1965-2004-PREFONTAINE.pdf
Created on 2010-03-26 08:53:38 ADT

Assessment of Southern Gulf of St. Lawrence herring (*Clupea harengus*)

Assessment ID:DFO-SG-HERR4TFA-1978-2007-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/169

Area ID: Canada-DFO-4T

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Southern Gulf Region
Assessment authors	LeBlanc, C.H.
Assessment method	Sequential Population Analysis / ADAPT
Publication year	2007
Timeseries span	1978-2007
Document	NAFO-HERR4TFA-2007.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-06-05
Date last loaded	2009-03-17
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
8 - Scotian Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	4	yr
F-AGE-yr-yr	2-10	yr-yr
TB-AGE-yr	4+	yr
M-1/T	0.2	1/T
SSB-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Busr-MT	172000	MT
Blrp-MT	51000	MT
SSBrecovery-MT	37000	MT

Time series minima and maxima				
SSB	R	F	TB	Catch
Minimum year	1978	1978	1978	1978
Maximum year	2007	2006	2007	2006
Time series minimum	71101	0.107	38470	64654
Time series maximum	896001	0.696	416422	264254
Units	E03	1/T	MT	E03

DFO-SG-HERR4TFA-1978-2007-PREFONTAINE.pdf
Created on 2010-03-26 08:53:44 ADT

Assessment of Southern Gulf of St. Lawrence herring (*Clupea harengus*)

Assessment ID:DFO-SG-HERR4TSP-1978-2007-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/170

Area ID: Canada-DFO-4T

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Southern Gulf Region
Assessment authors	LeBlanc, C.H.
Assessment method	Sequential Population Analysis / ADAPT
Publication year	2007
Timeseries span	1978-2007
Document	NAFO-HERR4T-2007.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-06-05
Date last loaded	2009-03-17
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
8 - Scotian Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	4	yr
F-AGE-yr-yr	6-8	yr-yr
TB-AGE-yr	4-10	yr
M-1/T	0.2	1/T
SSB-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
F0.1-1/yr (F)	0.35	1/yr
Busr-MT	54000	MT
Blrp-MT	22000	MT
SSBrecovery-MT	11500	MT

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year		1978	1978	1978	1978
Maximum year		2007	2006	2007	2006
Time series minimum		17034	0.117	7085	12464
Time series maximum		415931	1.789	125698	128513
Units		E03	1/T	MT	E03

DFO-SG-HERR4TSP-1978-2007-PREFONTAINE.pdf
Created on 2010-03-26 08:53:46 ADT

Assessment of Scotian Shelf and Bay of Fundy herring (*Clupea harengus*)

Assessment ID:DFO-HERR4VWX-1965-2006-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/171

Area ID: Canada-DFO-4VWX

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans
Assessment authors	Power, M.J.
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	2006
Timeseries span	1965-2006
Document	NAFO-HERR4VWX-2006.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-06-02
Date last loaded	2009-03-17
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
8 - Scotian Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	5-8	yr-yr
TB-AGE-yr	NA	yr
A50-yr	3	yr
M-1/T	0.2	1/T
M		
L50-cm		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	SEE NOTES	MT
F0.1-1/yr (F)	0.23	1/yr
Fmax-1/yr (F)	0.57	1/yr
BH-h-dimless	4 to 8 compared with ages 5-9 the following year	dimless

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1965	1965	1965	1965	
Maximum year	2006	2006	2005	2006	
Time series minimum	48646	247148	0.15	91734	
Time series maximum	714331	7460417	2.46	819446	
Units	MT	E03	1/T	MT	

DFO-HERR4VWX-1965-2006-PREFONTAINE.pdf
Created on 2010-03-26 08:53:13 ADT

Assessment of Central Coast pacific herring (*Clupea pallasii*)

Assessment ID:DFO-PAC-HERRCC-1951-2007-COLLIE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/305

Area ID: Canada-DFO-CC

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Pacific Region
Assessment authors	Schweigert, Jake
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	NULL
Timeseries span	1951-2007
Document	RES2007_002_e.pdf (pdf in database)
Recorder	COLLIE
Date entered	2008-07-30
Date last loaded	2009-05-13
QA/QC complete	YES
Date approved	2009-05-13

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
REC-AGE-yr	3	yr
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units

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	124900	0	4728	0
Time series maximum	80245.06	2632700	1.646	82818.06	44054
Units	MT	E03	1/yr	MT	MT

DFO-PAC-HERRCC-1951-2007-COLLIE.pdf
Created on 2009-12-08 10:42:56 AST

Assessment of Prince Rupert District pacific herring (*Clupea pallasii*)

Assessment ID:DFO-PAC-HERRPRD-1951-2007-COLLIE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/306

Area ID: Canada-DFO-PRD

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Pacific Region
Assessment authors	Schweigert, Jake
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	NULL
Timeseries span	1951-2007
Document	RES2007_002_e.pdf (pdf in database)
Recorder	COLLIE
Date entered	2008-07-30
Date last loaded	2009-05-13
QA/QC complete	YES
Date approved	2009-05-13

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
REC-AGE-yr	3	yr
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units

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	100900	0	1727.74	0
Time series maximum	68535.03	1277100	1.28	108763.03	52379
Units	MT	E03	1/yr	MT	MT

Assessment of Prince William Sound pacific herring (*Clupea pallasii*)

Assessment ID:ADFG-HERRPWS-1980-2006-COLLIE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/294

Area ID: USA-US State-PWS

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Department of Fish and Game
Assessment authors	
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	
Timeseries span	1980-2006
Document	NULL (pdf not in database)
Recorder	COLLIE
Date entered	2008-12-08
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
2 - Gulf of Alaska	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
REC-AGE-yr	3	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	3+	yr
M-1/yr	0.25	1/yr
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1980	1980	1980	1980	1980
Maximum year	2006	2003	2006	2006	2006
Time series minimum	9499.56	20310	0	9499.56	0
Time series maximum	105135.41	1062360	0.256	105135.41	192220
Units	MT	E03	1/yr	MT	E03

ADFG-HERRPWS-1980-2006-COLLIE.pdf
Created on 2009-12-08 10:42:51 AST

Assessment of Queen Charlotte Islands pacific herring (*Clupea pallasii*)

Assessment ID:DFO-PAC-HERRQCI-1951-2007-COLLIE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/307

Area ID: Canada-DFO-QCI

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Pacific Region
Assessment authors	Schweigert, Jake
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	NULL
Timeseries span	1951-2007
Document	RES2007_002_e.pdf (pdf in database)
Recorder	COLLIE
Date entered	2008-07-30
Date last loaded	2009-05-13
QA/QC complete	YES
Date approved	2009-05-13

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
REC-AGE-yr	3	yr
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units

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	72400	0	1311.02	0
Time series maximum	48715.62	5553000	2.4	87437.09	77681
Units	MT	E03	1/yr	MT	MT

Assessment of Sitka pacific herring (*Clupea pallasii*)

Assessment ID:ADFG-HERRSITKA-1978-2007-COLLIE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/293

Area ID: USA-US State-SITKA

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Department of Fish and Game
Assessment authors	
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	
Timeseries span	1978-2007
Document	NULL (pdf not in database)
Recorder	COLLIE
Date entered	2008-12-08
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
2 - Gulf of Alaska	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
REC-AGE-yr	3	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	3+	yr
A50-yr	3.4	yr
M-1/yr	0.3-0.1	1/yr
M		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1978	1978	1978	1978	1978
Maximum year	2007	2004	2007	2007	2007
Time series minimum	4748.72	40750	0	10197.29	40
Time series maximum	87794.21	976340	0.317	131565.34	132990
Units	MT	E03	1/yr	MT	E03

Assessment of Straight of Georgia pacific herring (*Clupea pallasii*)

Assessment ID:DFO-PAC-HERRSOG-1951-2007-COLLIE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/308

Area ID: Canada-DFO-SOG

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Pacific Region
Assessment authors	Schweigert, Jake
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	NULL
Timeseries span	1951-2007
Document	RES2007_002_e.pdf (pdf in database)
Recorder	COLLIE
Date entered	2008-07-29
Date last loaded	2009-05-13
QA/QC complete	YES
Date approved	2009-05-13

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
REC-AGE-yr	3	yr
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units

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	267200	0.005	12492.81	194
Time series maximum	120297.96	2202000	1.303	149010.43	76881
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
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/309

Area ID: Canada-DFO-WCVANI

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Pacific Region
Assessment authors	Schweigert, Jake
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	NULL
Timeseries span	1951-2007
Document	RES2007_002_e.pdf (pdf in database)
Recorder	COLLIE
Date entered	2008-07-29
Date last loaded	2009-05-13
QA/QC complete	YES
Date approved	2009-05-13

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
REC-AGE-yr	3	yr
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units

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	476400	0	2144.14	0
Time series maximum	139015.21	3742800	1.439	147104.21	69223
Units	MT	E03	1/yr	MT	MT

DFO-PAC-HERRWCVANI-1951-2007-COLLIE.pdf
Created on 2009-12-08 10:43:03 AST

Assessment of VIIIc-IXa european pilchard (*Sardina pilchardus*)

Assessment ID:WGMHSA-SARDPVIIIc-IXa-1978-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/53

Area ID: multinational-ICES-VIIIc-IXa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Mackerel
Assessment authors	Anon
Assessment method	a flexible age structured model
Publication year	2007
Timeseries span	1978-2007
Document	ICES-WGMHSA07.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-21
Date last loaded	2009-06-01
QA/QC complete	YES
Date approved	2009-05-29

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

primary LME	secondary LME	tertiary LME
25 - Iberian Coastal	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	2 to 5	yr-yr
TB-AGE-yr	0+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.33	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1978	1978	1978		1978
Maximum year	2007	2007	2007		2006
Time series minimum	269194	939973	0.1666		87272
Time series maximum	735950	20179479	0.3838		242574
Units	MT	E03	1/T		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		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.15	1/yr
F_{2006}/F_{msy}	1.007	

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 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

NMFS-SARDNPAC-1981-2008-STANTON.pdf
Created on 2010-05-12 14:37:13 ADT

Assessment of South Africa sardine (*Sardinops sagax*)

Assessment ID:MARAM-SARDSA-1984-2006-deMoor
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/127

Area ID: South Africa-DETMCM-SA

General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Management Group, Department of Mathematics and Applied Mathematics, University of Cape Town, Rondebosch, 7701, South Africa
Assessment authors	Cunningham CL
Assessment method	Statistical catch-at-age model
Publication year	
Timeseries span	1984-2006
Document	deMoorSASardineAssessment-Sep07.pdf (pdf not in database)
Recorder	deMoor
Date entered	2009-01-16
Date last loaded	2009-03-24
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
29 - Benguela Current	30 - Agulhas Current	na

Parameter	Value	Units
SSB-AGE-yr	2-5+	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr		yr-yr
TB-AGE-yr	1+	yr
A50-yr	2	yr
M-1/yr	0.8	1/yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
Blim-MT (SSB)	56500	MT
SSB0-MT (SSB)	3446300	MT
SSBtarget-MT (SSB)	594700	MT
SSBexceptional-MT (SSB)	300000	MT
SSB_{2006}/B_{lim}	15.115	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1984	1984	1985	1984	1984
Maximum year	2006	2005	2006	2006	2006
Time series minimum	56511.907	4696000	0.06	118365.989	27154
Time series maximum	3537069.855	282029000	0.26	5458516.579	373811
Units	MT	E03	1/yr	MT	MT

Assessment of Baltic Areas 22-32 sprat (*Sprattus sprattus*)

Assessment ID:WGBFAS-SPRAT22-32-1973-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/35

Area ID: multinational-ICES-22-32

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Baltic Fisheries Assessment Working Group
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1973-2007
Document	ICES-WGBFAS-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-19
Date last loaded	2010-03-11
QA/QC complete	YES
Date approved	2009-05-28

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

primary LME	secondary LME	tertiary LME
23 - Baltic Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	3 to 5	yr-yr
TB-AGE-yr	1+	yr
A50-yr	AVAILABLE	yr
M-1/T	AVAILABLE	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fpa-1/T (F)	0.4	1/T
SSBlim-MT (SSB)	200000	MT
SSBpa-MT (SSB)	275000	MT
SSB_{2007}/SSB_{lim}	5.980	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1974	1973	1974	1974	1974
Maximum year	2007	2006	2007	2006	2006
Time series minimum	217000	13334000	0.1281	519000	37000
Time series maximum	1767000	261984000	0.4743	3049000	529000
Units	MT	E03	1/T	MT	MT

Assessment of North Sea sprat (*Sprattus sprattus*)

Assessment ID:HAWG-SPRATNS-1995-2007-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/373

Area ID: multinational-ICES-IV

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Herring Assessment Working Group for the Area South of 62N
Assessment authors	Anon
Assessment method	Catch-Survey Analysis (like a state space approach)
Publication year	2007
Timeseries span	1995-2007
Document	ICES-HAWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-15
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
22 - North Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	1+	yr
REC-AGE-yr	1	yr
TB-AGE-yr	1+	yr
M-1/T	0.75	1/T
A50-yr	0-1	yr
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year		1995	1996	1996	
Maximum year		2006	2007	2007	
Time series minimum		14821.9	0	727854	
Time series maximum		277968.1	0.204	1731263	
Units		relative	1/T	relative	

Assessment of Northern Argentina argentine anchoita (*Engraulis anchoita*)

Assessment ID:INIDEP-ARGANCHONARG-1989-2007-Parma
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/122

Area ID: Argentina-CFP-ARG-N

General assessment details.

Detail	Value
Management body	CFP
Assessment group	Instituto Nacional de Investigacion y Desarrollo Pesquero
Assessment authors	Hansen, Jorge
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	2008
Timeseries span	1989-2007
Document	Hansen-ANCHOVY-N-2007.pdf (pdf in database)
Recorder	Parma
Date entered	2008-12-20
Date last loaded	2009-04-24
QA/QC complete	YES
Date approved	2009-04-23

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

primary LME	secondary LME	tertiary LME
14 - Patagonian Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	1.2	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	1-6	yr-yr
TB-AGE-yr	1+	yr
A50-yr	1	yr
L50-cm	10	cm
M-1/yr	1.02	1/yr
NATMORT-1/yr M	1.02	1/yr

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.1898	1/yr
Fpa-1/yr (F)	0.18	1/yr
Fcurrent-1/T (F)	0.04	1/T
NATMORT-1/yr (M)	1.02	1/yr
F40%-1/T	0.4722	1/T
SSBmsy-MT (SSB)	748152	MT
MSY-MT (TB)	424027.80	MT
BH-h-dimless	0.90	dimless
Bmsy-MT (TB)	1047948.41	MT
TB_{2007}/B_{msy}	1.526	
F_{2007}/F_{msy}	0.169	
SSB_{2007}/SSB_{msy}	1.370	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1990	1989	1990	1990	1990
Maximum year	2007	2006	2007	2007	2007
Time series minimum	614617.83	52734570	0.011	843773.89	8727.7
Time series maximum	2652436.6	357208920	0.096	3674349.79	46128.48
Units	MT	E03	1/yr	MT	MT

INIDEP-ARGANCHONARG-1989-2007-Parma.pdf
Created on 2010-02-05 12:08:23 AST

Assessment of Southern Argentina argentine anchoita (*Engraulis anchoita*)

Assessment ID:INIDEP-ARGANCHOSARG-1992-2007-Parma
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/121

Area ID: Argentina-CFP-ARG-S

General assessment details.

Detail	Value
Management body	CFP
Assessment group	Instituto Nacional de Investigacion y Desarrollo Pesquero
Assessment authors	Hansen, Jorge
Assessment method	Age-structured surplus production model
Publication year	2008
Timeseries span	1992-2007
Document	Hansen-ANCHOVY-S-2007.pdf (pdf in database)
Recorder	Parma
Date entered	2008-12-20
Date last loaded	2009-04-24
QA/QC complete	YES
Date approved	2009-04-23

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

primary LME	secondary LME	tertiary LME
14 - Patagonian Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	1.7	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	1-6	yr-yr
TB-AGE-yr	1+	yr
A50-yr	1	yr
L50-cm	13.2	cm
M-1/yr	1.05	1/yr
NATMORT-1/yr M	1.05	1/yr

Reference points

Parameter	Value	Units
Fmax-1/yr (F)	1.89330	1/yr
Fmsy-1/yr (F)	0.1700	1/yr
Fpa-1/yr (F)	0.17	1/yr
Fcurrent-1/T (F)	0.006	1/T
NATMORT-1/yr (M)	1.05	1/yr
F40%-1/T	0.2052	1/T
SSBmsy-MT (SSB)	298839	MT
MSY-MT (TB)	289825.38	MT
BH-h-dimless	0.73	dimless
Blim-MT (SSB)	350000	MT
Bmsy-MT (TB)	733418.85	MT
Bpa-MT (SSB)	1260000	MT
SSB_{2007}/B_{lim}	2.677	
TB_{2007}/B_{msy}	5.594	
F_{2007}/F_{msy}	0.035	
SSB_{2007}/SSB_{msy}	3.135	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1993	1992	1993	1993	1993
Maximum year	2007	2006	2007	2007	2007
Time series minimum	349381.69	65263840	0.001	765224.53	662.86
Time series maximum	1206672.22	495050030	0.022	2178898.56	6517.37
Units	MT	E03	1/yr	MT	MT

INIDEP-ARGANCHOSARG-1992-2007-Parma.pdf
Created on 2010-02-05 12:08:25 AST

Assessment of South Africa kingklip (*Genypterus capensis*)

Assessment ID:MARAM-KINGKLIPSA-1932-2008-DEDECKER
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/201

Area ID: South Africa-DETMCM-SA

General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Management Group, Department of Mathematics and Applied Mathematics, University of Cape Town, Rondebosch, 7701, South Africa
Assessment authors	Brandao, A
Assessment method	Age-structured surplus production model
Publication year	
Timeseries span	1932-2008
Document	Branch-SA-Kingklip-2008.pdf (pdf in database)
Recorder	DEDECKER
Date entered	2009-03-29
Date last loaded	2009-12-07
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
29 - Benguela Current	30 - Agulhas Current	na

Parameter	Value	Units
SSB-AGE-yr	5+	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	0+	yr-yr
TB-AGE-yr	0+	yr
A50-yr	5	yr
M-1/yr	0.2	1/yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBmsy-MT (SSB)	66828	MT
SSB0-MT (SSB)	153752	MT
MSY-MT (TB)	66882	MT
BH-h-dimless	0.5	dimless
SSB_{2008}/SSB_{msy}	1.205	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1932	1932	1932	1932	1932
Maximum year	2008	2008	2008	2008	2008
Time series minimum	68700.1	12120900000000	0.002	77875.9	400
Time series maximum	153752	15872300000000	0.116	164889	11370
Units	MT	E03	1/yr	MT	MT

Assessment of Bay of Biscay anchovy (*Engraulis encrasicolus*)

Assessment ID:WGMHSA-ANCHOBAYB-1986-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/44

Area ID: multinational-ICES-VIII

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Mackerel
Assessment authors	Anon
Assessment method	Bayesian Biomass Model
Publication year	2007
Timeseries span	1986-2007
Document	ICES-WGMHSA007.pdf (pdf not in database)
Recorder	JENNINGS
Date entered	2008-11-21
Date last loaded	2010-03-11
QA/QC complete	YES
Date approved	2009-05-28

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	25 - Iberian Coastal	na

Parameter	Value	Units
SSB-AGE-yr	1	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	1 to 2	yr-yr
TB-AGE-yr	1+	yr
A50-yr	1	yr
M-1/T	1.2	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fpa-1/T (F)	1.1	1/T
SSBlim-MT (SSB)	21000	MT
SSBpa-MT (SSB)	33000	MT
SSB_{2007}/SSB_{lim}	1.423	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1987	1986	1987		1987
Maximum year	2007	2006	2007		2006
Time series minimum	15177	5211	0.002		1264
Time series maximum	116561	127703	0.649		49325
Units	MT	MT	1/T		MT

WGMHSA-ANCHOBAYB-1986-2007-JENNINGS.pdf
Created on 2010-05-18 12:33:37 ADT

Assessment of South Africa anchovy (*Engraulis encrasicolus*)

Assessment ID:MARAM-ANCHOSA-1984-2006-deMoor
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/126

Area ID: South Africa-DETMCM-SA

General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Management Group, Department of Mathematics and Applied Mathematics, University of Cape Town, Rondebosch, 7701, South Africa
Assessment authors	Cunningham CL
Assessment method	Statistical catch-at-age model
Publication year	
Timeseries span	1984-2006
Document	.pdf (pdf not in database)
Recorder	deMoor
Date entered	2009-01-16
Date last loaded	2009-03-24
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
29 - Benguela Current	30 - Agulhas Current	na

Parameter	Value	Units
TB-AGE-yr	1+	yr
M-1/yr	0.9	1/yr
SSB-AGE-yr	1-4+	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	1+	yr-yr
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
Blim-MT (SSB)	531400	MT
SSB0-MT (SSB)	1838900	MT
SSBtarget-MT (SSB)	109600	MT
SSBexceptional-MT (SSB)	400000	MT
SSB_{2006}/B_{lim}	3.350	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1984	1984	1985	1984	1984
Maximum year	2006	2005	2006	2006	2006
Time series minimum	531441.84	46246000	0.05	531441.84	42475
Time series maximum	4433416.93	1197855000	0.36	4433416.93	600376
Units	MT	E03	1/yr	MT	MT

MARAM-ANCHOSA-1984-2006-deMoor.pdf
Created on 2010-02-18 21:29:17 AST

Assessment of Northwestern Atlantic red deepsea crab (*Chaceon quinquedens*)

Assessment ID:NEFSC-RDEEPCRABNWATL-1982-2008-CHUTE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/349

Area ID: USA-NMFS-NWATL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Count
Publication year	2006
Timeseries span	1982-2008
Document	RedCrab2006.pdf (pdf in database)
Recorder	CHUTE
Date entered	2009-05-27
Date last loaded	2009-11-08
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
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					1982
Maximum year					2008
Time series minimum					0.25
Time series maximum					4002.72
Units					MT

No biomass data available

No recruitment data available

No SSB−recruit data available

Assessment of Aleutian Islands Eastern segment golden king crab (*Lithodes aequispinus*)

Assessment ID:AFSC-GKINGCRABAIES-1990-2007-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/264

Area ID: USA-NMFS-AIES

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	
Assessment method	An AD-Model Builder catch at length model
Publication year	2008
Timeseries span	1990-2007
Document	CRABSAFE2008.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-04-13
Date last loaded	2010-02-12
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
1 - East Bering Sea	na	na

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

Reference points

Parameter	Value	Units
SSBmsy-MT (SSB)	38018	MT
SSB_{2007}/SSB_{msy}	0.605	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1990				
Maximum year	2007				
Time series minimum	23018				
Time series maximum	50552				
Units	MT				

No recruitment data available

No exploitation data available

No SSB−recruit data available

Assessment of Aleutian Islands Western segment golden king crab (*Lithodes aequispinus*)

Assessment ID:AFSC-GKINGCRABAIWS-1989-2007-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/265

Area ID: USA-NMFS-AIWS

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	
Assessment method	An AD-Model Builder catch at length model
Publication year	2008
Timeseries span	1989-2007
Document	CRABSAFE2008.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-04-13
Date last loaded	2009-05-25
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
1 - East Bering Sea	na	na

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

Reference points

Parameter	Value	Units
SSBmsy-MT (SSB)	42848	MT
SSB_{2007}/SSB_{msy}	0.533	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1989				
Maximum year	2007				
Time series minimum	22848				
Time series maximum	64198				
Units	MT				

No recruitment data available

No exploitation data available

No SSB−recruit data available

Assessment of Bristol Bay red king crab (*Paralithodes camtschaticus*)

Assessment ID:AFSC-RKCRABBB-1960-2008-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/258

Area ID: USA-NMFS-BB

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	
Assessment method	Length-based analysis
Publication year	2008
Timeseries span	1960-2008
Document	CRABSAFE2008.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-04-13
Date last loaded	2010-05-11
QA/QC complete	YES
Date approved	2009-06-12

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
REC-AGE		
SSB-AGE-yr		
SSB-SEX-sex		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
Umsy-ratio (U)	0.33	ratio
SSBmsy-MT (SSB)	34070	MT
SSB_{2008}/SSB_{msy}	1.273	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1985		1985	1985	1960
Maximum year	2008		2007	2008	2007
Time series minimum	13182.29		0	33675.58	124.28
Time series maximum	43356.14		0.5921	103900.69	59911.79
Units	MT		ratio	MT	MT

No recruitment data available

No SSB−recruit data available

AFSC-RKCRABBB-1960-2008-JENSEN.pdf
Created on 2010-05-18 12:36:43 ADT

Assessment of Norton Sound red king crab (*Paralithodes camtschaticus*)

Assessment ID:AFSC-RKCRABNS-1976-2008-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/263

Area ID: USA-NMFS-NS

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	
Assessment method	Length-based analysis
Publication year	2008
Timeseries span	1976-2008
Document	CRABSAFE2008.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-04-13
Date last loaded	2010-02-12
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
1 - East Bering Sea	na	na

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

Reference points

Parameter	Value	Units
SSBmsy-MT (SSB)	1617.96	MT
SSB_{2008}/SSB_{msy}	1.469	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1976				
Maximum year	2008				
Time series minimum	1039.95				
Time series maximum	5291.83				
Units	MT				

No recruitment data available

No exploitation data available

No SSB−recruit data available

Assessment of Pribilof Islands red king crab (*Paralithodes camtschaticus*)

Assessment ID:AFSC-RKCRABPI-1981-2009-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/260

Area ID: USA-NMFS-PI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	
Assessment method	Temporal indices derived from scientific survey data
Publication year	2008
Timeseries span	1981-2009
Document	CRABSAFE2008.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-04-13
Date last loaded	2009-06-12
QA/QC complete	YES
Date approved	2009-06-12

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

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

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

Reference points

Parameter	Value	Units
SSBmsy-MT (SSB)	3928.11	MT
SSB_{2009}/SSB_{msy}	1.442	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1981			1981	
Maximum year	2009			2009	
Time series minimum	9.07			49.9	
Time series maximum	7910.64			12750.47	
Units	MT			MT	

No recruitment data available

No exploitation data available

No SSB−recruit data available

AFSC-RKCRABPI-1981-2009-JENSEN.pdf
Created on 2010-05-18 12:36:47 ADT

Assessment of Pribilof Islands blue king crab (*Paralithodes platypus*)

Assessment ID:AFSC-BKINGCRABPI-1960-2008-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/261

Area ID: USA-NMFS-PI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	
Assessment method	Temporal indices derived from scientific survey data
Publication year	2008
Timeseries span	1960-2008
Document	CRABSAFE2008.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-04-13
Date last loaded	2009-06-12
QA/QC complete	YES
Date approved	2009-06-12

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

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

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

Reference points

Parameter	Value	Units
SSBmsy-MT (SSB)	4209.33376	MT
SSB_{2008}/SSB_{msy}	0.082	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1981			1981	1974
Maximum year	2008			2008	2008
Time series minimum	131.54			263.08	0
Time series maximum	14800.71			132798.13	4975.9
Units	MT			MT	MT

No recruitment data available

No SSB−recruit data available

AFSC-BKINGCRABPI-1960-2008-JENSEN.pdf
Created on 2010-05-18 12:36:34 ADT

Assessment of Saint Matthews Island blue king crab (*Paralithodes platypus*)

Assessment ID:AFSC-BKINGCRABSMI-1960-2008-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/262

Area ID: USA-NMFS-SMI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	
Assessment method	Temporal indices derived from scientific survey data
Publication year	2008
Timeseries span	1960-2008
Document	CRABSAFE2008.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-04-13
Date last loaded	2009-06-12
QA/QC complete	YES
Date approved	2009-06-12

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

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

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

Reference points

Parameter	Value	Units
SSBmsy-MT (SSB)	3350.68	MT
SSB_{2008}/SSB_{msy}	1.454	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1978				1981
Maximum year	2008				2008
Time series minimum	1234.22				0
Time series maximum	7606.28				4288.41
Units	MT				MT

No recruitment data available

No SSB−recruit data available

AFSC-BKINGCRABSMI-1960-2008-JENSEN.pdf
Created on 2010-05-18 12:36:36 ADT

Assessment of Tasmania tasmanian giant crab (*Pseudocarcinus gigas*)

Assessment ID:TAFI-TASGIANTCRABTAS-1990-2007-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/86

Area ID: Australia-AFMA-TAS

General assessment details.

Detail	Value
Management body	AFMA
Assessment group	Tasmanian Aquaculture and Fisheries Institute
Assessment authors	Phillippe Ziegler
Assessment method	Size-based model
Publication year	2008
Timeseries span	1990-2007
Document	JENSEN_TASGIANTCRAB_2008.pdf (pdf in database)
Recorder	JENSEN
Date entered	2008-11-29
Date last loaded	2009-03-25
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
42 - Southeast Australian Shelf	na	na

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

Reference points

Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1990	1990	1990	1990	1990
Maximum year	2007	2007	2007	2007	2007
Time series minimum	141.7377	59.4615	0	762.33	0.2
Time series maximum	331.42152	505.763	0.37	1998.76	291.4
Units	E03eggs	E03	ratio	MT	MT

TAFI-TASGIANTCRABTAS-1990-2007-JENSEN.pdf
Created on 2010-05-18 12:38:37 ADT

Assessment of Rhode Island american lobster (*Homarus americanus*)

Assessment ID:RIDEM-LOBSTERRI-1959-2007-COLLIE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/312

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
Assessment method	Age-aggregated surplus production model
Publication year	2008
Timeseries span	1959-2007
Document	NULL (pdf not in database)
Recorder	COLLIE
Date entered	2008-04-12
Date last loaded	2009-05-13
QA/QC complete	YES
Date approved	2009-05-13

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
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	5662	MT
Fmsy-1/yr (F)	0.442	1/yr
Fext-1/yr (F)	0.884	1/yr
TB_{2007}/B_{msy}	0.606	
F_{2007}/F_{msy}	0.640	

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 Georges Bank american lobster (*Homarus americanus*)

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

Area ID: USA-NMFS-5Z

General assessment details.

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

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

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

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

Reference points

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

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

ASMFC-LOBSTERGB-1981-2007-STANTON.pdf
Created on 2010-05-12 14:37:04 ADT

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

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

Area ID: USA-NMFS-5Y

General assessment details.

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

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

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

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

Reference points

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

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

ASMFC-LOBSTERGOM-1981-2007-STANTON.pdf
Created on 2010-05-12 14:37:05 ADT

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

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

Area ID: USA-NMFS-SNE

General assessment details.

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

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

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

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

Reference points

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

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

ASMFC-LOBSTERSNE-1981-2007-STANTON.pdf
Created on 2010-05-12 14:37:07 ADT

Assessment of Bering Sea and Aleutian Islands tanner crab (*Chionoecetes bairdi*)

Assessment ID:AFSC-TANNERCRABBSAI-1965-2008-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/259

Area ID: USA-NMFS-BSAI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	
Assessment method	Temporal indices derived from scientific survey data
Publication year	2008
Timeseries span	1965-2008
Document	CRABSAFE2008.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-04-14
Date last loaded	2009-06-12
QA/QC complete	YES
Date approved	2009-06-12

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

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

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

Reference points

Parameter	Value	Units
SSBmsy-MT (SSB)	86073.62	MT
SSB_{2008}/SSB_{msy}	0.571	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1973		1973	1973	1965
Maximum year	2008		2007	2008	2007
Time series minimum	8391.45		0.02	10160.46	408.23
Time series maximum	212353.63		0.6	252247.05	57442.89
Units	MT		ratio	MT	MT

No recruitment data available

No SSB−recruit data available

AFSC-TANNERCRABBSAI-1965-2008-JENSEN.pdf
Created on 2010-05-18 12:36:50 ADT

Assessment of Southern Gulf of St. Lawrence snow crab (*Chionoecetes opilio*)

Assessment ID:DFO-SG-SNOWCRABSGSL-1984-2007-ANDERSON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/327

Area ID: Canada-DFO-4T

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Southern Gulf Region
Assessment authors	Hbert, M
Assessment method	Temporal indices derived from scientific survey data
Publication year	2008
Timeseries span	1984-2007
Document	./ (pdf not in database)
Recorder	ANDERSON
Date entered	2009-05-06
Date last loaded	2009-12-03
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
8 - Scotian Shelf	na	na

Parameter	Value	Units
TB-AGE-yr	4+	yr
M-1/T	0.28-0.48	1/T
REC-AGE		
SSB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year		1984		1988	1986
Maximum year		2003		2007	2007
Time series minimum		1676		14244	6950
Time series maximum		71969		126660	32363
Units		MT		MT	MT

No SSB−recruit
data available

DFO-SG-SNOWCRABSGSL-1984-2007-ANDERSON.pdf
Created on 2009-12-08 11:13:49 AST

Assessment of Bering Sea snow crab (*Chionoecetes opilio*)

Assessment ID:AFSC-SNOWCRABBS-1979-2008-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/257

Area ID: USA-NMFS-BS

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	
Assessment method	Size-structured population dynamics model
Publication year	2008
Timeseries span	1979-2008
Document	CRABSAFE2008.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-04-13
Date last loaded	2009-05-25
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
1 - East Bering Sea	na	na

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

Reference points

Parameter	Value	Units
SSBmsy-MT (SSB)	418030.728	MT
SSB_{2008}/SSB_{msy}	0.553	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1979			1979	1979
Maximum year	2008			2008	2008
Time series minimum	85456.8			226342.59	12813.07
Time series maximum	805035.74			1029654.68	182966.77
Units	MT			MT	MT

No recruitment data available

No SSB−recruit data available

AFSC-SNOWCRABBS-1979-2008-JENSEN.pdf
Created on 2010-05-18 12:36:49 ADT

Assessment of New Zealand Area CRA1 red rock lobster (*Jasus edwardsii*)

Assessment ID:NZMFishLOBSTERWG-RROCKLOBSTERCRA1-1945-2001-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/223

Area ID: New Zealand-MFish-CRA1

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Lobster Working Group
Assessment authors	
Assessment method	Multi-stock length-based model
Publication year	
Timeseries span	1945-2001
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-04-07
Date last loaded	2009-06-09
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
46 - New Zealand Shelf	na	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year				1945	1945
Maximum year				2001	2001
Time series minimum				754.296	45.6
Time series maximum				3368.26	447.16
Units				MT	MT

No recruitment data available

No SSB−recruit data available

NZMFishLOBSTERWG-RROCKLOBSTERCRA1-1945-2001-JENSEN.pdf
Created on 2010-05-18 12:37:28 ADT

Assessment of New Zealand Area CRA2 red rock lobster (*Jasus edwardsii*)

Assessment ID:NZMFishLOBSTERWG-RROCKLOBSTERCRA2-1945-2001-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/224

Area ID: New Zealand-MFish-CRA2

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Lobster Working Group
Assessment authors	
Assessment method	Multi-stock length-based model
Publication year	
Timeseries span	1945-2001
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-04-07
Date last loaded	2009-06-09
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
46 - New Zealand Shelf	na	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year				1945	1945
Maximum year				2001	2001
Time series minimum				427.88	174.55
Time series maximum				5115.49	629.2
Units				MT	MT

No recruitment data available

No SSB−recruit data available

NZMFishLOBSTERWG-RROCKLOBSTERCRA2-1945-2001-JENSEN.pdf
Created on 2010-05-18 12:37:29 ADT

Assessment of New Zealand Area CRA3 red rock lobster (*Jasus edwardsii*)

Assessment ID:NZMFishLOBSTERWG-RROCKLOBSTERCRA3-1945-2007-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/225

Area ID: New Zealand-MFish-CRA3

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Lobster Working Group
Assessment authors	
Assessment method	Multi-stock length-based model
Publication year	
Timeseries span	1945-2007
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-04-07
Date last loaded	2009-06-09
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
46 - New Zealand Shelf	na	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year				1945	1945
Maximum year				2007	2007
Time series minimum				150.126	55.55
Time series maximum				2666.275	928.87
Units				MT	MT

No recruitment data available

No SSB−recruit data available

NZMFishLOBSTERWG-RROCKLOBSTERCRA3-1945-2007-JENSEN.pdf
Created on 2010-05-18 12:37:31 ADT

Assessment of New Zealand Area CRA4 red rock lobster (*Jasus edwardsii*)

Assessment ID:NZMFishLOBSTERWG-RROCKLOBSTERCRA4-1945-2005-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/226

Area ID: New Zealand-MFish-CRA4

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Lobster Working Group
Assessment authors	
Assessment method	Multi-stock length-based model
Publication year	
Timeseries span	1945-2005
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-04-07
Date last loaded	2009-06-09
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
46 - New Zealand Shelf	na	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year				1945	1945
Maximum year				2005	2005
Time series minimum				593.7095	297.03
Time series maximum				5382.51	1187.51
Units				MT	MT

No recruitment data available

No SSB−recruit data available

Assessment of New Zealand Area CRA5 red rock lobster (*Jasus edwardsii*)

Assessment ID:NZMFishLOBSTERWG-RROCKLOBSTERCRA5-1945-2002-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/227

Area ID: New Zealand-MFish-CRA5

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Lobster Working Group
Assessment authors	
Assessment method	Multi-stock length-based model
Publication year	
Timeseries span	1945-2002
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-04-07
Date last loaded	2009-06-09
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
46 - New Zealand Shelf	na	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year				1945	1945
Maximum year				2002	2002
Time series minimum				488.143	179.4
Time series maximum				9279.575	1078.51
Units				MT	MT

No recruitment data available

No SSB−recruit data available

NZMFishLOBSTERWG-RROCKLOBSTERCRA5-1945-2002-JENSEN.pdf
Created on 2010-05-18 12:37:35 ADT

Assessment of New Zealand Area CRA7 red rock lobster (*Jasus edwardsii*)

Assessment ID:NZMFishLOBSTERWG-RROCKLOBSTERCRA7-1976-2005-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/228

Area ID: New Zealand-MFish-CRA7

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Lobster Working Group
Assessment authors	
Assessment method	Multi-stock length-based model
Publication year	
Timeseries span	1976-2005
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-04-07
Date last loaded	2009-06-09
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
46 - New Zealand Shelf	na	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year				1976	1976
Maximum year				2005	2005
Time series minimum				51.77465	45.73
Time series maximum				771.2135	555.66
Units				MT	MT

No recruitment data available

No SSB−recruit data available

NZMFishLOBSTERWG-RROCKLOBSTERCRA7-1976-2005-JENSEN.pdf
Created on 2010-05-18 12:37:37 ADT

Assessment of New Zealand Area CRA8 red rock lobster (*Jasus edwardsii*)

Assessment ID:NZMFishLOBSTERWG-RROCKLOBSTERCRA8-1976-2005-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/229

Area ID: New Zealand-MFish-CRA8

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Lobster Working Group
Assessment authors	
Assessment method	Multi-stock length-based model
Publication year	
Timeseries span	1976-2005
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-04-07
Date last loaded	2009-06-09
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
46 - New Zealand Shelf	na	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year				1976	1976
Maximum year				2005	2005
Time series minimum				680.624	593.58
Time series maximum				5645	2360.96
Units				MT	MT

No recruitment data available

No SSB−recruit data available

NZMFishLOBSTERWG-RROCKLOBSTERCRA8-1976-2005-JENSEN.pdf
Created on 2010-05-18 12:37:38 ADT

Assessment of South Africa Area 7 south african west coast rock lobster (*Jasus lalandii*)

Assessment ID:MARAM-CRLOBSTERSA7-1910-2008-Johnston
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/138

Area ID: South Africa-DETMCM-7

General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Management Group, Department of Mathematics and Applied Mathematics, University of Cape Town, Rondebosch, 7701, South Africa
Assessment authors	Johnston SJ
Assessment method	Statistical catch-at-age model
Publication year	
Timeseries span	1910-2008
Document	Johnston-SAWestRockLobster-2007.pdf (pdf in database)
Recorder	Johnston
Date entered	2009-02-12
Date last loaded	2009-03-25
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
29 - Benguela Current	na	na

Parameter	Value	Units
REC-AGE-yr	0	yr
L50-cm	6.5	cm
M-1/yr	0.1	1/yr
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Blim-MT (SSB)	4913	MT
SSB0-MT (SSB)	79509	MT
R0-E00	124447910	E00
SSB_{2008}/B_{lim}	1.077	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1910	1910	1910	1910	1910
Maximum year	2008	2008	2007	2008	2007
Time series minimum	4912.78	6224.131	0.002	3476.71	359.95
Time series maximum	79508.87	124447.91	0.238	217412.98	3588.63
Units	MT	E03	1/yr	MT	MT

Assessment of South Africa Area 8 south african west coast rock lobster (*Jasus lalandii*)

Assessment ID:MARAM-CRLOBSTERSA8-1910-2008-Johnston
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/139

Area ID: South Africa-DETMCM-8

General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Management Group, Department of Mathematics and Applied Mathematics, University of Cape Town, Rondebosch, 7701, South Africa
Assessment authors	Johnston SJ
Assessment method	Statistical catch-at-age model
Publication year	
Timeseries span	1910-2008
Document	Johnston-SAWestRockLobster-2007.pdf (pdf in database)
Recorder	Johnston
Date entered	2009-02-12
Date last loaded	2009-03-25
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
29 - Benguela Current	na	na

Parameter	Value	Units
REC-AGE-yr	0	yr
L50-cm	6.5	cm
M-1/yr	0.1	1/yr
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Blim-MT (SSB)	4350	MT
SSB0-MT (SSB)	60521	MT
R0-E00	331132540	E00
SSB_{2008}/B_{lim}	2.974	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1910	1910	1910	1910	1910
Maximum year	2008	2008	2007	2008	2007
Time series minimum	4350.07	23132.88	0.002	7157.77	243.61
Time series maximum	60520.58	331132.54	0.279	160088.06	2563.4
Units	MT	E03	1/yr	MT	MT

Assessment of South Africa Areas 1-2 south african west coast rock lobster (*Jasus lalandii*)

Assessment ID:MARAM-CRLOBSTERSA12-1910-2008-Johnston
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/135

Area ID: South Africa-DETMCM-1-2

General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Management Group, Department of Mathematics and Applied Mathematics, University of Cape Town, Rondebosch, 7701, South Africa
Assessment authors	Johnston SJ
Assessment method	Statistical catch-at-age model
Publication year	
Timeseries span	1910-2008
Document	Johnston-SAWestRockLobster-2007.pdf (pdf in database)
Recorder	Johnston
Date entered	2009-02-12
Date last loaded	2009-03-25
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
29 - Benguela Current	na	na

Parameter	Value	Units
REC-AGE-yr	0	yr
L50-cm	6.5	cm
M-1/yr	0.1	1/yr
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Blim-MT (SSB)	326	MT
SSB0-MT (SSB)	12407	MT
R0-E00	32386294	E00
SSB_{2008}/B_{lim}	1.003	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1910	1910	1910	1910	1910
Maximum year	2008	2008	2007	2008	2007
Time series minimum	326.94	289.43869	0.007	593.17	11
Time series maximum	44795.87	172388.67	0.148	118382.77	3023.5
Units	MT	E03	1/yr	MT	MT

Assessment of South Africa Areas 3-4 south african west coast rock lobster (*Jasus lalandii*)

Assessment ID:MARAM-CRLOBSTERSA34-1910-2008-Johnston
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/136

Area ID: South Africa-DETMCM-3-4

General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Management Group, Department of Mathematics and Applied Mathematics, University of Cape Town, Rondebosch, 7701, South Africa
Assessment authors	Johnston SJ
Assessment method	Statistical catch-at-age model
Publication year	
Timeseries span	1910-2008
Document	Johnston-SAWestRockLobster-2007.pdf (pdf in database)
Recorder	Johnston
Date entered	2009-02-12
Date last loaded	2009-03-25
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
29 - Benguela Current	na	na

Parameter	Value	Units
REC-AGE-yr	0	yr
L50-cm	6.5	cm
M-1/yr	0.1	1/yr
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Blim-MT (SSB)	2048	MT
SSB0-MT (SSB)	46342	MT
R0-E00	240492130	E00
SSB_{2008}/B_{lim}	1.000	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1910	1910	1910	1910	1910
Maximum year	2008	2008	2007	2008	2007
Time series minimum	2047.91	6554.977	0.003	3589.86	57.52
Time series maximum	46342.25	240492.13	0.163	151997.41	3587.07
Units	MT	E03	1/yr	MT	MT

Assessment of South Africa Areas 5-6 south african west coast rock lobster (*Jasus lalandii*)

Assessment ID:MARAM-CRLOBSTERSA56-1910-2008-Johnston
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/137

Area ID: South Africa-DETMCM-5-6

General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Management Group, Department of Mathematics and Applied Mathematics, University of Cape Town, Rondebosch, 7701, South Africa
Assessment authors	Johnston SJ
Assessment method	Statistical catch-at-age model
Publication year	
Timeseries span	1910-2008
Document	Johnston-SAWestRockLobster-2007.pdf (pdf in database)
Recorder	Johnston
Date entered	2009-02-12
Date last loaded	2009-03-25
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
29 - Benguela Current	na	na

Parameter	Value	Units
REC-AGE-yr	0	yr
F-AGE-yr-yr		yr-yr
L50-cm	6.5	cm
M-1/yr	0.1	1/yr
SSB-AGE-yr		
TB-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Blim-MT (SSB)	822	MT
SSB0-MT (SSB)	44464	MT
R0-E00	205531950	E00
SSB_{2008}/B_{lim}	1.000	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1910	1910	1910	1910	1910
Maximum year	2008	2008	2007	2008	2007
Time series minimum	822.13	1611.32375	0.005	1617.85	45.17
Time series maximum	44464.08	236047.94	0.175	149419.94	5380.44
Units	MT	E03	1/yr	MT	MT

Assessment of South Africa South coast southern spiny lobster (*Palinurus gilchristi*)

Assessment ID:MARAM-SSLOBSTERSASC-1973-2008-Johnston
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/133

Area ID: South Africa-DETMCM-SASC

General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Management Group, Department of Mathematics and Applied Mathematics, University of Cape Town, Rondebosch, 7701, South Africa
Assessment authors	Johnston SJ
Assessment method	Statistical catch-at-age model
Publication year	
Timeseries span	1973-2008
Document	Johnston-SASouthRockLobster-2008.pdf (pdf in database)
Recorder	Johnston
Date entered	2009-02-12
Date last loaded	2009-03-17
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
30 - Agulhas Current	na	na

Parameter	Value	Units
REC-AGE-yr	0	yr
F-AGE-yr-yr	0-20	yr-yr
A50-yr	10	yr
M-1/yr	0.1	1/yr
SSB-AGE-yr		
TB-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Blim-MT (SSB)	249	MT
SSB0-MT (SSB)	782	MT
R0-E00	958	E00
BH-h-dimless	0.713	dimless
SSB_{2008}/B_{lim}	0.999	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1973	1973	1973	1973	1973
Maximum year	2008	2008	2008	2008	2008
Time series minimum	248.76	0.48642	0.107	465.44	122
Time series maximum	781.67	2.27674	0.991	1712.58	973
Units	MT	E03	1/yr	MT	MT

MARAM-SSLOBSTERSASC-1973-2008-Johnston.pdf
Created on 2010-02-18 21:29:39 AST

Assessment of Gulf of Maine northern shrimp (*Pandalus borealis*)

Assessment ID:ASMFC-PANDALGOM-1960-2009-IDOINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/331

Area ID: USA-NMFS-5Y

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Atlantic States Marine Fisheries Commission
Assessment authors	Atlantic States Marine Fisheries Commission
Assessment method	Catch-Survey Analysis (like a state space approach)
Publication year	2008
Timeseries span	1960-2009
Document	2008ShrimpAssessment.pdf (pdf in database)
Recorder	IDOINE
Date entered	2009-04-22
Date last loaded	2009-11-08
QA/QC complete	NO
Date approved	

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

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

Parameter	Value	Units
SSB-AGE-yr	3.5	yr
F-AGE-yr-yr	1.5-6	yr-yr
TB-AGE-yr	1.5+	yr
M-1/yr	0.25	1/yr
REC-AGE		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Blim-MT (SSB)	1.54	MT
Bpa-MT (SSB)	9	MT
F0.1-1/yr (F)	0.46	1/yr
Flim-1/T (F)	0.6	1/T
Fmsy-1/yr (F)	0.77	1/yr
Fpa-1/T (F)	0.28	1/T
MORATOR-yr-yr	1978	yr-yr
F40%-1/T	0.34	1/T
F_{2008}/F_{lim}	0.300	
F_{2008}/F_{msy}	0.234	

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year			1985	1985	1960
Maximum year			2008	2009	2008
Time series minimum			0.08	4700	0
Time series maximum			1.01	30100	12823.9
Units			1/T	MT	MT

No recruitment data available

No SSB−recruit data available

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

Assessment ID:CSIRO-BTSHRIMPNAUST-1970-2006-FULTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/95

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	NULL (pdf not in database)
Recorder	FULTON
Date entered	2008-04-30
Date last loaded	2009-06-11
QA/QC complete	YES
Date approved	2009-06-11

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

primary LME	secondary LME	tertiary LME
39 - North Australian Shelf	na	na

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

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 Northern Australia grooved tiger prawn (*Penaeus semisulcatus*)

Assessment ID:CSIRO-GTPRAWNNAUST-1970-2006-FULTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/102

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	NULL (pdf not in database)
Recorder	FULTON
Date entered	2008-04-30
Date last loaded	2009-06-11
QA/QC complete	YES
Date approved	2009-06-11

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

primary LME	secondary LME	tertiary LME
39 - North Australian Shelf	na	na

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

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

CSIRO-GTPRAWNNAUST-1970-2006-FULTON.pdf
Created on 2010-04-08 12:01:58 ADT

Assessment of Hecate Strait pacific cod (*Gadus macrocephalus*)

Assessment ID:DFO-PAC-PCODHS-1956-2005-COLLIE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/310

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 in database)
Recorder	COLLIE
Date entered	2008-04-08
Date last loaded	2009-05-13
QA/QC complete	YES
Date approved	2009-05-13

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
M-1/yr	0.567	1/yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	2	yr
F-AGE-yr-yr	2+	yr-yr
TB-AGE-yr	2+	yr
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Blim-MT (SSB)	11165	MT
Bmsy-MT (TB)	8861	MT
Fmsy-1/yr (F)	0.354	1/yr
Fext-1/yr (F)	1.586	1/yr
TB_{2005}/B_{msy}	1.202	
F_{2003}/F_{msy}	0.219	

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		498	0.0775	3695	214
Time series maximum		33659	0.4445	53470	9562
Units		E03	1/T	MT	MT

DFO-PAC-PCODHS-1956-2005-COLLIE.pdf
Created on 2009-12-08 10:43:05 AST

Assessment of West Coast of Vancouver Island pacific cod (*Gadus macrocephalus*)

Assessment ID:DFO-PAC-PCODWCVANI-1956-2002-COLLIE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/311

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 in database)
Recorder	COLLIE
Date entered	2008-04-13
Date last loaded	2009-03-17
QA/QC complete	YES
Date approved	2009-05-13

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
M-1/yr	0.579	1/yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	2	yr
F-AGE-yr-yr	2+	yr-yr
TB-AGE-yr	2+	yr
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	6731	MT
Fmsy-1/yr (F)	0.226	1/yr
Fext-1/yr (F)	0.539	1/yr
TB_{2002}/B_{msy}	1.037	
F_{2001}/F_{msy}	0.469	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year		1956	1956	1956	1956
Maximum year		2002	2001	2002	2001
Time series minimum		420	0.056	1827	51
Time series maximum		13718	0.729	20426	5774
Units		E03	1/T	MT	MT

DFO-PAC-PCODWCVANI-1956-2002-COLLIE.pdf
Created on 2009-12-08 10:43:07 AST

Assessment of Bering Sea and Aleutian Islands pacific cod (*Gadus macrocephalus*)

Assessment ID:AFSC-PCODBSAI-1964-2008-MELNYCHUK
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/268

Area ID: USA-NMFS-BSAI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Thompson G
Assessment method	Stock Synthesis v2.0 model
Publication year	2008
Timeseries span	1964-2008
Document	AFSC-PCODBSAI-2008-Pacific cod BSAI.pdf (pdf in database)
Recorder	MELNYCHUK
Date entered	2009-04-14
Date last loaded	2009-05-21
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
1 - East Bering Sea	na	na

Parameter	Value	Units
REC-AGE-yr	0	yr
F-AGE-yr-yr	0+	yr-yr
TB-AGE-yr	0+	yr
A50-yr	4.9	yr
L50-cm	58	cm
M-1/yr	0.34	1/yr
NATMORT-1/yr	0.34	1/yr
SSB-AGE-yr		
M		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.34	1/yr
NATMORT-1/yr (M)	0.34	1/yr
F40%-1/T	0.28	1/T
SSBmsy-MT (SSB)	373000	MT
SSBF40%-MT	426000	MT
SSB0-MT (SSB)	1066000.00	MT
SSB_{2008}/SSB_{msy}	0.997	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1977	1977		1977	1964
Maximum year	2008	2007		2008	2007
Time series minimum	254248	146000		842241	13649
Time series maximum	872225	2577000		2418520	257762
Units	MT	E03		MT	MT

AFSC-PCODBSAI-1964-2008-MELNYCHUK.pdf
Created on 2010-02-17 16:00:47 AST

Assessment of Gulf of Alaska pacific cod (*Gadus macrocephalus*)

Assessment ID:AFSC-PCODGA-1964-2008-MELNYCHUK
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/271

Area ID: USA-NMFS-GA

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Thompson G
Assessment method	Stock Synthesis v2.0 model
Publication year	2008
Timeseries span	1964-2008
Document	AFSC-PCODGA-2008-Pacific cod GA.pdf (pdf in database)
Recorder	MELNYCHUK
Date entered	2009-04-16
Date last loaded	2009-05-22
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	4.3	yr
REC-AGE-yr	0	yr
TB-AGE-yr	0+	yr
A50-yr	4.3	yr
L50-cm	58	cm
M-1/yr	0.38	1/yr
NATMORT-1/yr	0.38	1/yr
F-AGE-yr		
M		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.64	1/yr
NATMORT-1/yr (M)	0.38	1/yr
F40%-1/T	0.52	1/T
SSBmsy-MT (SSB)	89400	MT
SSBF40%-MT	102200	MT
SSB_{2008}/SSB_{msy}	0.911	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1977	1977		1977	1964
Maximum year	2008	2006		2008	2007
Time series minimum	42383	15000		130021	196
Time series maximum	143190	1334000		405770	81784
Units	MT	E03		MT	MT

AFSC-PCODGA-1964-2008-MELNYCHUK.pdf
Created on 2010-02-17 16:00:49 AST

Assessment of Georges Bank atlantic cod (*Gadus morhua*)

Assessment ID:NEFSC-CODGB-1960-2008-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/109

Area ID: USA-NMFS-5Z

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
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	2008
Timeseries span	1960-2008
Document	NMFS-GB-Gadusmorhua-2008.pdf (pdf not in database)
Recorder	BAUM
Date entered	2008-10-24
Date last loaded	2009-03-24
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
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	1+	yr
SSB-SEX-sex	NA	sex
REC-AGE-yr	1	yr
F-AGE-yr-yr	5-8	yr-yr
TB-AGE-yr	1+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.2	1/T
M		
L50-cm		

Reference points

Parameter	Value	Units
F40%-1/T	0.25	1/T
SSBmsy-MT (SSB)	148084	MT
MSY-MT (TB)	31159	MT
SSB_{2007}/SSB_{msy}	0.119	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1978	1977	1978	1978	1960
Maximum year	2007	2007	2007	2008	2007
Time series minimum	10627	1461	0.29	15703.8	3384
Time series maximum	90951	45891	1.21	130763.18	57149
Units	MT	E03	1/T	MT	MT

NEFSC-CODGB-1960-2008-BAUM.pdf
Created on 2010-05-05 23:00:54 ADT

Assessment of Gulf of Maine atlantic cod (*Gadus morhua*)

Assessment ID:NEFSC-CODGOM-1893-2008-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/110

Area ID: USA-NMFS-5Y

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
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	2008
Timeseries span	1893-2008
Document	NMFS-GOM-Gadusmorhua-2008.pdf (pdf not in database)
Recorder	BAUM
Date entered	2008-11-04
Date last loaded	2009-03-23
QA/QC complete	NO
Date approved	

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

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

Parameter	Value	Units
SSB-SEX-sex	NA	sex
REC-AGE-yr	1	yr
F-AGE-yr-yr	5-7	yr-yr
A50-yr	AVAILABLE	yr
M-1/T	0.2	1/T
SSB-AGE-yr		
TB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	82830	MT
Fmsy-1/T (F)	0.237	1/T
MSY-MT (TB)	16600	MT
Frebuild-1/T (F)	0.281	1/T
TB_{2007}/B_{msy}	0.630	
F_{2007}/F_{msy}	2.399	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1981	1982	1982	1893
Maximum year	2007	2006	2007	2007	2007
Time series minimum	9856	1187	0.355	15998	1380
Time series maximum	33877	24612	1.554	52160	17781
Units	MT	E03	1/T	MT	MT

Assessment of Flemish Cap atlantic cod (*Gadus morhua*)

Assessment ID:NAFO-SC-COD3M-1959-2008-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/350

Area ID: multinational-NAFO-3M

General assessment details.

Detail	Value
Management body	NAFO
Assessment group	NAFO Scientific Council
Assessment authors	Fernandez, C.
Assessment method	Bayesian VPA hybrid
Publication year	2008
Timeseries span	1959-2008
Document	NAFO-3M-COD-2008.pdf (pdf in database)
Recorder	BAUM
Date entered	2009-05-28
Date last loaded	2009-11-13
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
9 - Newfoundland-Labrador Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	3.5	yr
SSB-SEX-sex	NA	sex
REC-AGE-yr	1	yr
F-AGE-yr-yr	3-5	yr-yr
TB-AGE-yr	2+	yr
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
MORATOR-yr-yr	1999-2008	yr-yr
Blim-MT (TB)	14000	MT

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1988	1987	1988	1988	1959
Maximum year	2008	2006	2007	2008	2007
Time series minimum	2191	39	0.003	1472	2
Time series maximum	34066	66664	1.511	196748	57503
Units	MT	E03	1/T	E03	MT

Assessment of Southern Grand Banks atlantic cod (*Gadus morhua*)

Assessment ID:NAFO-SC-COD3NO-1953-2007-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/153

Area ID: multinational-NAFO-3NO

General assessment details.

Detail	Value
Management body	NAFO
Assessment group	NAFO Scientific Council
Assessment authors	Morgan, M.J.
Assessment method	Sequential Population Analysis
Publication year	2007
Timeseries span	1953-2007
Document	NAFO-3NO-COD-2007.pdf (pdf in database)
Recorder	BAUM
Date entered	2008-04-07
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
9 - Newfoundland-Labrador Shelf	na	na

Parameter	Value	Units
M-1/T	0.2	1/T
SSB-AGE-yr	3-12	yr
SSB-SEX-sex	0	sex
REC-AGE-yr	3	yr
F-AGE-yr-yr	6-9	yr-yr
TB-AGE-yr	3+	yr
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
MORATOR-yr-yr	1994-2007	yr-yr
Blim-MT (TB)	60000	MT

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1959	1956	1959	1959	1953
Maximum year	2007	2004	2006	2007	2006
Time series minimum	4097	369	0.018	6066	172
Time series maximum	125043	207114	1.58	395437	226784
Units	MT	E03	1/T	MT	MT

NAFO-SC-COD3NO-1953-2007-BAUM.pdf
Created on 2010-05-05 23:00:48 ADT

Assessment of Western Baltic atlantic cod (*Gadus morhua*)

Assessment ID:WGBFAS-CODBA2224-1969-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/26

Area ID: multinational-ICES-22-24

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Baltic Fisheries Assessment Working Group
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1969-2007
Document	ICES-WGBFAS-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-18
Date last loaded	2010-03-10
QA/QC complete	YES
Date approved	2009-05-27

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

primary LME	secondary LME	tertiary LME
23 - Baltic Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	3 to 6	yr-yr
TB-AGE-yr	1+	yr
A50-yr	AVAILABLE	yr
M-1/T	AVAILABLE	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points

Parameter	Value	Units
SSBpa-MT (SSB)	23000	MT

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1970	1969	1970	1970	1970
Maximum year	2007	2006	2006	2006	2006
Time series minimum	10034	17605	0.5573	28235	16693
Time series maximum	56154	286485	1.9674	115194	54357
Units	MT	E03	1/T	MT	MT

WGBFAS-CODBA2224-1969-2007-JENNINGS.pdf
Created on 2010-05-18 12:33:13 ADT

Assessment of Eastern Baltic atlantic cod (*Gadus morhua*)

Assessment ID:WGBFAS-CODBA2532-1964-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/27

Area ID: multinational-ICES-25-32

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Baltic Fisheries Assessment Working Group
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1964-2007
Document	ICES-WGBFAS-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-18
Date last loaded	2010-03-10
QA/QC complete	YES
Date approved	2009-05-27

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

primary LME	secondary LME	tertiary LME
23 - Baltic Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	2	yr
F-AGE-yr-yr	4 to 7	yr-yr
TB-AGE-yr	2+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.2	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Flim-1/T (F)	0.96	1/T
Fpa-1/T (F)	0.6	1/T
SSBlim-MT (SSB)	160000	MT
SSBpa-MT (SSB)	240000	MT
SSB_{2006}/SSB_{lim}	0.507	
F_{2006}/F_{lim}	1.018	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1966	1964	1966	1966	1966
Maximum year	2006	2005	2006	2006	2007
Time series minimum	70762	82818	0.4482	125877	45188
Time series maximum	696743	829398	1.4046	1057368	391952
Units	MT	E03	1/T	MT	MT

WGBFAS-CODBA2532-1964-2007-JENNINGS.pdf
Created on 2010-05-18 12:33:15 ADT

Assessment of Faroe Plateau atlantic cod (*Gadus morhua*)

Assessment ID:NWWG-CODFAPL-1959-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/375

Area ID: multinational-ICES-Vb1

General assessment details.

Detail	Value
Management body	ICES
Assessment group	North-Western Working Group
Assessment authors	Anon
Assessment method	Virtual Population Analysis
Publication year	2007
Timeseries span	1959-2006
Document	ICES-NWWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-08
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
60 - Faroe Plateau	na	na

Parameter	Value	Units
A50-yr	3	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	2	yr
F-AGE-yr-yr	3-7	yr-yr
TB-AGE-yr	1+	yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	21000	MT
SSBpa-MT (SSB)	40000	MT
F0.1-1/yr (F)	0.12	1/yr
Fmax-1/T	0.25	1/T
Flim-1/T (F)	0.68	1/T
Fpa-1/T (F)	0.35	1/T
SSB_{2006}/SSB_{lim}	0.851	
F_{2006}/F_{lim}	1.115	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1961	1959	1961	1961	1961
Maximum year	2006	2004	2006	2006	2006
Time series minimum	17878	3128	0.1877	25436	6107
Time series maximum	123077	47753	0.8206	161260	40422
Units	MT	E03	1/T	MT	MT

Assessment of Iceland Grounds atlantic cod (*Gadus morhua*)

Assessment ID:NWWG-CODICE-1952-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/376

Area ID: multinational-ICES-Va

General assessment details.

Detail	Value
Management body	ICES
Assessment group	North-Western Working Group
Assessment authors	Anon
Assessment method	Statistical catch-at-age model
Publication year	2007
Timeseries span	1952-2006
Document	ICES-NWWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-10
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
59 - Iceland Shelf	na	na

Parameter	Value	Units
A50-yr	6.5	yr
SSB-AGE-yr	3+	yr
REC-AGE-yr	3	yr
TB-AGE-yr	4+	yr
M-1/T	0.25	1/T
F-AGE-yr-yr	5-10	yr-yr
M		
L50-cm		

Reference points

Parameter	Value	Units
SSBlim-MT (SSB)	400000	MT
F0.1-1/T	0.15	1/T
Fmax-1/T	0.34	1/T
SSB_{2006}/SSB_{lim}	0.682	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1955	1952	1955	1955	1955
Maximum year	2006	2003	2006	2006	2006
Time series minimum	174000	64000	0.29	546000	169000
Time series maximum	1137000	368000	0.9	2357000	538000
Units	MT	E03	1/T	MT	MT

Assessment of Irish Sea atlantic cod (*Gadus morhua*)

Assessment ID:WGNSDS-CODIS-1968-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/381

Area ID: multinational-ICES-VIIa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Northern Shelf Demersal Stocks
Assessment authors	Anon
Assessment method	The ADAPT approach with year effects in a catch multiplier
Publication year	2007
Timeseries span	1968-2006
Document	ICES-WGNSDS-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-14
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
A50-yr	2	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	0	yr
TB-AGE-yr	0+	yr
M-1/T	0.2	1/T
F-AGE-yr-yr	2-4	yr-yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	6000	MT
SSBpa-MT (SSB)	10000	MT
Fpa-1/T (F)	0.72	1/T
Fmax-1/T	0.32	1/T
Flim-1/T (F)	1	1/T
F0.1-1/T	0.18	1/T
SSB_{2006}/SSB_{lim}	0.427	
F_{2006}/F_{lim}	1.644	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1968	1968	1968	1968	1968
Maximum year	2006	2006	2006	2006	2006
Time series minimum	2025	875	0.6386	4537	838
Time series maximum	20249	18442	1.7828	30044	14907
Units	MT	E03	1/T	MT	MT

Assessment of Kattegat and Skagerrak atlantic cod (*Gadus morhua*)

Assessment ID:WGBFAS-CODKAT-1970-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/380

Area ID: multinational-ICES-IIIa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Baltic Fisheries Assessment Working Group
Assessment authors	Anon
Assessment method	The ADAPT approach with year effects in a catch multiplier
Publication year	2007
Timeseries span	1970-2006
Document	ICES-WGBFAS-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-15
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
22 - North Sea	na	na

Parameter	Value	Units
A50-yr	2	yr
SSB-AGE-yr	1+	yr
REC-AGE-yr	1	yr
TB-AGE-yr	1+	yr
F-AGE-yr-yr	3-5	yr-yr
M-1/T	0.2	1/T
M		
L50-cm		

Reference points

Parameter	Value	Units
Flim-1/T (F)	1	1/T
Fpa-1/T (F)	0.6	1/T
SSBpa-MT (SSB)	10500	MT
SSBlim-MT (SSB)	6400	MT
SSB_{2006}/SSB_{lim}	0.992	
F_{2006}/F_{lim}	0.698	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1971	1970	1971	1971	1971
Maximum year	2006	2005	2006	2006	2006
Time series minimum	3500	1330	0.4454	3952	876
Time series maximum	49301	37064	1.565	56919	21880
Units	MT	E03	1/T	MT	MT

Assessment of North Sea atlantic cod (*Gadus morhua*)

Assessment ID:WGNSSK-CODNS-1962-2007-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/398

Area ID: multinational-ICES-IV

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Assessment authors	Anon
Assessment method	The ADAPT approach with year effects in a catch multiplier
Publication year	2007
Timeseries span	1962-2007
Document	ICES-WGNSSK-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-11
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
22 - North Sea	na	na

Parameter	Value	Units
F-AGE-yr-yr	2-4	yr-yr
TB-AGE-yr	1+	yr
A50-yr	3-4	yr
M-1/T	0.2 for 4+	1/T
REC-AGE		
SSB-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Flim-1/T (F)	0.86	1/T
Fpa-1/T (F)	0.65	1/T
SSBlim-MT (SSB)	70000	MT
SSBpa-MT (SSB)	150000	MT
SSB_{2007}/SSB_{lim}	0.531	
F_{2006}/F_{lim}	0.733	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1963	1962	1963	1963	1963
Maximum year	2007	2005	2006	2006	2006
Time series minimum	28481	92257	0.51	129581	43856
Time series maximum	252747	2566638	1.272	1159434	590678
Units	MT	E03	1/T	MT	MT

Assessment of North-East Arctic atlantic cod (*Gadus morhua*)

Assessment ID:AFWG-CODNEAR-1943-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/364

Area ID: multinational-ICES-I-II

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Arctic Fisheries Working Group
Assessment authors	Anon
Assessment method	Virtual Population Analysis
Publication year	2007
Timeseries span	1943-2006
Document	ICES-AFWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-02-15
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
20 - Barents Sea	21 - Norwegian Sea	na

Parameter	Value	Units
A50-yr	6.5	yr
SSB-AGE-yr	3+	yr
REC-AGE-yr	3	yr
F-AGE-yr-yr	5-10	yr-yr
M-1/T	0.2	1/T
TB-AGE-yr	3+	yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	220000	MT
SSBpa-MT (SSB)	460000	MT
F0.1-1/T	0.15	1/T
Flim-1/T (F)	0.74	1/T
Fpa-1/T (F)	0.4	1/T
Fmax-1/T	0.28	1/T
SSB_{2006}/SSB_{lim}	2.685	
F_{2006}/F_{lim}	0.889	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1946	1943	1946	1946	1946
Maximum year	2006	2003	2006	2006	2006
Time series minimum	102315	112039	0.1857	738675	212000
Time series maximum	1165059	1818949	1.0347	4168882	1343068
Units	MT	E03	1/T	MT	MT

Assessment of West of Scotland atlantic cod (*Gadus morhua*)

Assessment ID:WGNSDS-CODVIa-1977-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/382

Area ID: multinational-ICES-VIa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Northern Shelf Demersal Stocks
Assessment authors	Anon
Assessment method	State-space catch at age time series analysis
Publication year	2007
Timeseries span	1977-2006
Document	ICES-WGNSDS-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-14
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
A50-yr	2	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	1	yr
TB-AGE-yr	1+	yr
M-1/T	0.2	1/T
F-AGE-yr-yr	2-5	yr-yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	14000	MT
SSBpa-MT (SSB)	22000	MT
Fpa-1/T (F)	0.6	1/T
Fmax-1/T	0.19	1/T
Flim-1/T (F)	0.8	1/T
SSB_{2006}/SSB_{lim}	0.252	
F_{2006}/F_{lim}	1.111	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1978	1977	1978	1978	1978
Maximum year	2006	2005	2006	2006	2006
Time series minimum	3530.6	2007.4	0.7072	6332.3	552
Time series maximum	38214.9	54850.9	0.9867	57758.8	27758.1
Units	MT	E03	1/T	MT	MT

Assessment of North-East Arctic atlantic cod (*Gadus morhua*)

Assessment ID:AFWG-CODCOASTNOR-1982-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/363

Area ID: multinational-ICES-I-II

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Arctic Fisheries Working Group
Assessment authors	Anon
Assessment method	Virtual Population Analysis
Publication year	2007
Timeseries span	1982-2006
Document	ICES-AFWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-03-24
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
21 - Norwegian Sea	22 - North Sea	na

Parameter	Value	Units
A50-yr	5	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	2	yr
F-AGE-yr-yr	4-7	yr-yr
M-1/T	0.2	1/T
TB-AGE-yr	2+	yr
M		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1984	1982	1984	1984	1984
Maximum year	2006	2004	2006	2006	2006
Time series minimum	51445	7539	0.1699	84309	22432
Time series maximum	188357	87938	0.6221	310230	75451
Units	MT	E03	1/T	MT	MT

Assessment of Southern Labrador-Eastern Newfoundland atlantic cod (*Gadus morhua*)

Assessment ID:DFO-NFLD-COD2J3KLIS-1959-2006-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/152

Area ID: Canada-DFO-2J3KL

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Newfoundland Region
Assessment authors	Lilly, G.R.
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	2006
Timeseries span	1959-2006
Document	DFO-COD2J3KLIS-2006.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-05-28
Date last loaded	2009-03-17
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
9 - Newfoundland-Labrador Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	2+	yr
REC-AGE-yr	3	yr
F-AGE-yr-yr	2-10	yr-yr
A50-yr	6-7	yr
M-1/T	0.4	1/T
TB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
MORATOR-yr-yr	1992-2005	yr-yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1995	1995	1995	1995	1962
Maximum year	2006	2006	2005	2006	2005
Time series minimum	6804	4705	0.02	20866	411
Time series maximum	22178	17068	0.454	35864	811698
Units	MT	E03	1/T	MT	MT

DFO-NFLD-COD2J3KLIS-1959-2006-PREFONTAINE.pdf
Created on 2010-03-26 08:53:24 ADT

Assessment of Northern Gulf of St. Lawrence atlantic cod (*Gadus morhua*)

Assessment ID:DFO-QUE-COD3Pn4RS-1964-2007-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/154

Area ID: Canada-DFO-3Pn4RS

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Quebec Region
Assessment authors	Frchet, Alain
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	2007
Timeseries span	1964-2007
Document	DFO-COD3Pn4Rs-2007.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-08-20
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
9 - Newfoundland-Labrador Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
REC-AGE-yr	3	yr
F-AGE-yr-yr	7-10	yr-yr
A50-yr	4-5	yr
M-1/T	timeseries	1/T
TB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
MORATOR-yr-yr	1994-1996 AND 2003	yr-yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1974	1974	1974	1974	1964
Maximum year	2007	2007	2006	2007	2006
Time series minimum	11307	8769	0.02	26347	148
Time series maximum	378057	206009	1.79	602678	106080
Units	MT	E03	1/T	MT	MT

DFO-QUE-COD3Pn4RS-1964-2007-PREFONTAINE.pdf
Created on 2010-03-26 08:53:33 ADT

Assessment of St. Pierre Bank atlantic cod (*Gadus morhua*)

Assessment ID:DFO-NFLD-COD3Ps-1959-2004-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/155

Area ID: Canada-DFO-3Ps

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Newfoundland Region
Assessment authors	Brattey, J.
Assessment method	The ADAPT approach with year effects in a catch multiplier
Publication year	2004
Timeseries span	1959-2004
Document	DFO-COD3Ps-2004.pdf (pdf in database)
Recorder	PREFONTAINE
Date entered	2008-05-27
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
9 - Newfoundland-Labrador Shelf	na	na

Parameter	Value	Units
A50-yr	7-8	yr
M-1/T	0.2	1/T
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
MORATOR-yr-yr	1994-1996	yr-yr
SSBrecovery-1-MT	36000	MT
SSBrecovery-2-MT	13000	MT

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1977	1977	1977	1977	1959
Maximum year	2004	2004	2004	2004	2004
Time series minimum	13173	7014	0.021	32591	641
Time series maximum	82857	74809	1.398	202478	86824
Units	MT	E03	1/T	MT	MT

DFO-NFLD-COD3Ps-1959-2004-PREFONTAINE.pdf
Created on 2010-03-26 08:53:26 ADT

Assessment of Southern Gulf of St. Lawrence atlantic cod (*Gadus morhua*)

Assessment ID:DFO-SG-COD4TVn-1965-2007-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/156

Area ID: Canada-DFO-4T

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Southern Gulf Region
Assessment authors	Swain, D.P.
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	2007
Timeseries span	1965-2007
Document	NAFO-COD4TVn-2007.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-05-28
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
8 - Scotian Shelf	na	na

Parameter	Value	Units
F-AGE-yr-yr	7+	yr-yr
A50-yr	4-5	yr
M-1/T	SEE TIMESERIES	1/T
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Bcrp-MT	80000	MT

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1971	1971	1971	1971	1965
Maximum year	2007	2007	2006	2007	2006
Time series minimum	50276	12.896	0	61834	289
Time series maximum	352804	321.751	1.24	471519	69317
Units	MT	E03	1/T	MT	MT

DFO-SG-COD4TVn-1965-2007-PREFONTAINE.pdf
Created on 2010-03-26 08:53:42 ADT

Assessment of Eastern Scotian Shelf atlantic cod (*Gadus morhua*)

Assessment ID:DFO-MAR-COD4VsW-1958-2002-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/162

Area ID: Canada-DFO-4VsW

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Maritimes Region
Assessment authors	Fanning, L.P.
Assessment method	Unknown
Publication year	2003
Timeseries span	1958-2002
Document	NAFO-COD4VsW-2003.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-06-09
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
8 - Scotian Shelf	na	na

Parameter	Value	Units
A50-yr	3	yr
L50-cm	SEE FIGURES 15 AND 16 OF THE ASSESSMENT	cm
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		

Reference points

Parameter	Value	Units
MORATOR-yr-yr	1993-2008	yr-yr
SSBrecovery-MT	16420	MT
SSBnp50-MT	53990	MT
SSBrk50-MT	23940	MT
SSBbh50-MT	33670	MT
SSBsb50/90-MT	12590	MT

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1970				1958
Maximum year	2002				2002
Time series minimum	4607				83
Time series maximum	171591.6				80428
Units	MT				MT

No recruitment data available

No SSB−recruit data available

DFO-MAR-COD4VsW-1958-2002-PREFONTAINE.pdf
Created on 2010-03-26 08:53:17 ADT

Assessment of Georges Bank atlantic cod (*Gadus morhua*)

Assessment ID:DFO-COD5Zjm-1978-2003-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/163

Area ID: Canada-DFO-5Zjm

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans
Assessment authors	Hunt, J.J.
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	2003
Timeseries span	1978-2003
Document	NAFO-COD5Zjm-2003.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-06-10
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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-AGE-yr	3+	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	4-9	yr-yr
TB-AGE-yr	1-10	yr
M-1/T	0.2	1/T
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
F0.1-1/yr (F)	0.18	1/yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1978	1978	1978	1978	1978
Maximum year	2003	2003	2002	2003	2002
Time series minimum	8667	0.485	0.177	10384	1100
Time series maximum	45343	21.094	0.999	49102	17824
Units	MT	E03	1/T	MT	MT

DFO-COD5Zjm-1978-2003-PREFONTAINE.pdf
Created on 2010-03-26 08:53:07 ADT

Assessment of Georges Bank haddock (*Melanogrammus aeglefinus*)

Assessment ID:NEFSC-HADGB-1930-2008-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/82

Area ID: USA-NMFS-5Z

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	VPA/ADPAT version 2.3.2 NOAA Fisheries
Publication year	2008
Timeseries span	1930-2008
Document	NMFS-5Z-Melanogrammusaeglefinus-2008.pdf (pdf not in database)
Recorder	BAUM
Date entered	2008-10-30
Date last loaded	2009-03-17
QA/QC complete	NO
Date approved	

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

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

Parameter	Value	Units
SSB-SEX-sex	NA	sex
REC-AGE-yr	1	yr
F-AGE-yr-yr	5-7	yr-yr
A50-yr	AVAILABLE	yr
L50-cm	AVAILABLE	cm
M-1/T	0.2	1/T
SSB-AGE-yr		
TB-AGE-yr		
M		

Reference points

Parameter	Value	Units
F40%-1/T	0.35	1/T
SSBmsy-MT (SSB)	158873	MT
MSY-MT (TB)	32746	MT
SSB_{2007}/SSB_{msy}	1.989	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1931	1930	1931	1931	1931
Maximum year	2007	2007	2007	2008	2007
Time series minimum	14907	267	0.07	24608	1370
Time series maximum	315975	494868	1	447882	202584
Units	MT	E03	1/T	MT	E03

Assessment of Gulf of Maine haddock (*Melanogrammus aeglefinus*)

Assessment ID:NEFSC-HAD5Y-1956-2008-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/116

Area ID: USA-NMFS-5Y

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	VPA/ADPAT version 2.3.2 NOAA Fisheries
Publication year	2008
Timeseries span	1956-2008
Document	NMFS-GOM-Melanogrammusaeglefinus-2008.pdf (pdf in database)
Recorder	BAUM
Date entered	2008-11-24
Date last loaded	2009-03-23
QA/QC complete	NO
Date approved	

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

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

Parameter	Value	Units
SSB-SEX-sex	NA	sex
REC-AGE-yr	1	yr
F-AGE-yr-yr	6-8	yr-yr
A50-yr	AVAILABLE	yr
L50-cm	AVAILABLE	cm
M-1/T	0.2	1/T
SSB-AGE-yr		
TB-AGE-yr		
M		

Reference points		
Parameter	Value	Units
F40%-1/T	0.43	1/T
SSBmsy-MT (SSB)	5900	MT
MSY-MT (TB)	1360	MT
SSB_{2007}/SSB_{msy}	0.991	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1977	1976	1977	1977	1956
Maximum year	2007	2007	2007	2008	2007
Time series minimum	553	138	0.1267	839	217.4
Time series maximum	15321	12230	2.2231	20102	7671.9
Units	MT	E03	1/T	MT	MT

Assessment of ICES VIIb-k haddock (*Melanogrammus aeglefinus*)

Assessment ID:WGSSDS-HADVIIb-k-1993-2006-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/46

Area ID: multinational-ICES-VIIb-k

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Southern Shelf Demersal Stocks
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1993-2006
Document	ICES-WGSSDS-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-24
Date last loaded	2009-06-01
QA/QC complete	YES
Date approved	2009-05-28

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	2	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	2 to 5	yr-yr
TB-AGE-yr	0+	yr
A50-yr	2	yr
M-1/T	0.2	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points

Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1993	1993	1993	1993	1993
Maximum year	2006	2006	2006	2006	2006
Time series minimum	10512	9702	0.372	13468	3348
Time series maximum	31133	102180	1.108	39251	10827
Units	MT	E03	1/T	MT	MT

Assessment of Rockall Bank haddock (*Melanogrammus aeglefinus*)

Assessment ID:WGNSSK-HADROCK-1990-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/28

Area ID: multinational-ICES-VIb

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1990-2007
Document	ICES-WGNSDS-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-20
Date last loaded	2010-03-10
QA/QC complete	YES
Date approved	2009-05-28

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	2.5	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	2 to 5	yr-yr
TB-AGE-yr	1+	yr
A50-yr	2.5	yr
M-1/T	0.2	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fpa-1/T (F)	0.4	1/T
SSBlim-MT (SSB)	6000	MT
SSBpa-MT (SSB)	9000	MT
SSB_{2007}/SSB_{lim}	3.695	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1991	1990	1991	1991	1991
Maximum year	2007	2006	2006	2006	2006
Time series minimum	6913	23055	0.1473	21639	1918
Time series maximum	29734	122870	1.07795	56370	7075
Units	MT	E03	1/T	MT	MT

Assessment of Faroe Plateau haddock (*Melanogrammus aeglefinus*)

Assessment ID:NWWG-HADFAPL-1955-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/377

Area ID: multinational-ICES-Vb1

General assessment details.

Detail	Value
Management body	ICES
Assessment group	North-Western Working Group
Assessment authors	Anon
Assessment method	Virtual Population Analysis
Publication year	2007
Timeseries span	1955-2006
Document	ICES-NWWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-08
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
60 - Faroe Plateau	na	na

Parameter	Value	Units
A50-yr	3	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	2	yr
F-AGE-yr-yr	3-7	yr-yr
TB-AGE-yr	0+	yr
M-1/T	0.2	1/T
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	23000	MT
SSBpa-MT (SSB)	35000	MT
F0.1-1/T	0.15	1/T
Fmax-1/T	0.61	1/T
Flim-1/T (F)	0.4	1/T
Fpa-1/T (F)	0.25	1/T
SSB_{2006}/SSB_{lim}	3.121	
F_{2006}/F_{lim}	0.619	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1957	1955	1957	1957	1957
Maximum year	2006	2004	2006	2006	2006
Time series minimum	22125	1826	0.155	27998	4026
Time series maximum	108674	115282	0.7101	168570	27571
Units	MT	E03	1/T	MT	MT

Assessment of IIIa and North Sea haddock (*Melanogrammus aeglefinus*)

Assessment ID:WGNSSK-HADNS-IIIa-1963-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/388

Area ID: multinational-ICES-IIIa-IV

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1963-2006
Document	ICES-WGNSSK-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-14
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
22 - North Sea	na	na

Parameter	Value	Units
A50-yr	2-3	yr
SSB-AGE-yr	1+	yr
REC-AGE-yr	0	yr
TB-AGE-yr	0+	yr
M-1/T	Age specific	1/T
F-AGE-yr-yr	2-4	yr-yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	100000	MT
SSBpa-MT (SSB)	140000	MT
Fpa-1/T (F)	0.7	1/T
Flim-1/T (F)	1	1/T
SSB_{2006}/SSB_{lim}	1.682	
F_{2006}/F_{lim}	0.540	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1963	1963	1963	1963	1963
Maximum year	2006	2006	2006	2006	2006
Time series minimum	61772	2316.936	0.26	558318	54753
Time series maximum	899883	388564.67	1.2	6823944	930538
Units	MT	E03	1/T	MT	MT

Assessment of Iceland Grounds haddock (*Melanogrammus aeglefinus*)

Assessment ID:NWWG-HADICE-1977-2007-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/378

Area ID: multinational-ICES-Va

General assessment details.

Detail	Value
Management body	ICES
Assessment group	North-Western Working Group
Assessment authors	Anon
Assessment method	Virtual Population Analysis
Publication year	2007
Timeseries span	1977-2007
Document	ICES-NWWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-10
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
59 - Iceland Shelf	na	na

Parameter	Value	Units
A50-yr	4	yr
SSB-AGE-yr	1+	yr
REC-AGE-yr	2	yr
TB-AGE-yr	3+	yr
M-1/T	0.2	1/T
F-AGE-yr-yr	4-7	yr-yr
M		
L50-cm		

Reference points

Parameter	Value	Units
F0.1-1/T	0.16	1/T
Fmax-1/T	0.44	1/T
Fpa-1/T (F)	0.47	1/T

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1979	1977	1979	1979	1979
Maximum year	2007	2005	2007	2007	2007
Time series minimum	43116	9758	0.384	86966	39530
Time series maximum	180435	405094	0.787	305098	105012
Units	MT	E03	1/T	MT	MT

Assessment of Irish Sea haddock (*Melanogrammus aeglefinus*)

Assessment ID:WGNSDS-HADIS-1972-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/383

Area ID: multinational-ICES-VIIa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Northern Shelf Demersal Stocks
Assessment authors	Anon
Assessment method	Survey based stock assessment method
Publication year	2007
Timeseries span	1972-2006
Document	ICES-WGNSDS-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-14
Date last loaded	2009-06-10
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
A50-yr	2	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	0	yr
M-1/T	0.2	1/T
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Fpa-1/T (F)	0.5	1/T
Fmax-1/T	0.35	1/T

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1992	1991		1992	1972
Maximum year	2006	2006		2006	2006
Time series minimum	0.005	0.006		0.055	131
Time series maximum	0.68	1.45		1.086	4902
Units	relative	relative		relative	MT

WGNSDS-HADIS-1972-2006-MINTO.pdf
Created on 2010-03-17 10:29:59 ADT

Assessment of North-East Arctic haddock (*Melanogrammus aeglefinus*)

Assessment ID:AFWG-HADNEAR-1947-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/366

Area ID: multinational-ICES-I-II

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Arctic Fisheries Working Group
Assessment authors	Anon
Assessment method	Virtual Population Analysis
Publication year	2007
Timeseries span	1947-2006
Document	ICES-AFWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-03-31
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
20 - Barents Sea	21 - Norwegian Sea	na

Parameter	Value	Units
A50-yr	6	yr
SSB-AGE-yr	3+	yr
REC-AGE-yr	3	yr
F-AGE-yr-yr	4-7	yr-yr
M-1/T	0.2+cod mortality	1/T
TB-AGE-yr	3+	yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	50000	MT
SSBpa-MT (SSB)	80000	MT
Flim-1/T (F)	0.49	1/T
Fpa-1/T (F)	0.35	1/T
SSB_{2006}/SSB_{lim}	4.533	
F_{2006}/F_{lim}	0.806	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1950	1947	1950	1950	1950
Maximum year	2006	2003	2006	2006	2006
Time series minimum	49753	8961	0.1562	67367	20945
Time series maximum	248181	1184843	0.9053	573954	322226
Units	MT	E03	1/T	MT	MT

Assessment of West of Scotland haddock (*Melanogrammus aeglefinus*)

Assessment ID:WGNSDS-HADVIa-1977-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/384

Area ID: multinational-ICES-VIa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Northern Shelf Demersal Stocks
Assessment authors	Anon
Assessment method	State-space catch at age time series analysis
Publication year	2007
Timeseries span	1977-2006
Document	ICES-WGNSDS-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-14
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
A50-yr	2	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	1	yr
TB-AGE-yr	1+	yr
M-1/T	0.2	1/T
F-AGE-yr-yr	2-6	yr-yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	22000	MT
SSBpa-MT (SSB)	30000	MT
Fpa-1/T (F)	0.5	1/T
F0.1-1/T	0.19	1/T
Fmax-1/T	0.21	1/T
SSB_{2006}/SSB_{lim}	1.501	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1978	1977	1978	1978	1978
Maximum year	2006	2005	2006	2006	2006
Time series minimum	21880	17434	0.444	34739	6694
Time series maximum	103933	543159	0.953	128403	46355
Units	MT	E03	1/T	MT	MT

Assessment of Western Scotian Shelf, Bay of Fundy and Gulf of Maine haddock (*Melanogrammus aeglefinus*)

Assessment ID:DFO-HAD4X5Y-1960-2003-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/166

Area ID: Canada-DFO-4X5Y

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans
Assessment authors	Hurley, P.C.F.
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	2003
Timeseries span	1960-2003
Document	NAFO-HAD4X5Y-2003.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-06-03
Date last loaded	2009-03-17
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	8 - Scotian Shelf	na

Parameter	Value	Units
SSB-AGE-yr	4+	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	5-7	yr-yr
TB-AGE-yr	1-10	yr
M-1/T	0.2	1/T
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
F0.1-1/yr (F)	0.25	1/yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1970	1970	1970	1970	1960
Maximum year	2003	2003	2003	2003	2003
Time series minimum	19506	5.765	0.04	29495	4406
Time series maximum	69091	81.978	0.7	90408	43349
Units	MT	E03	1/T	MT	MT

DFO-HAD4X5Y-1960-2003-PREFONTAINE.pdf
Created on 2010-03-26 08:53:09 ADT

Assessment of Georges Bank haddock (*Melanogrammus aeglefinus*)

Assessment ID:DFO-HAD5Zejm-1969-2003-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/105

Area ID: Canada-DFO-5Zejm

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans
Assessment authors	Van Eeckhaute, L.
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	2003
Timeseries span	1969-2003
Document	NAFO-HAD5Zejm-2003.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-06-04
Date last loaded	2009-03-17
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
REC-AGE-yr	1+	yr
F-AGE-yr-yr	4+	yr-yr
TB-AGE-yr	1-9+	yr
M-1/T	0.2	1/T
SSB-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Fref-1/T (F)	0.26	1/T
Brebuild-MT (TB)	65000	MT

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1969	1969	1969	1969	1969
Maximum year	2003	2003	2002	2003	2002
Time series minimum	8458	456	0.059	12672	2112
Time series maximum	77501	76905	0.593	78763	23193
Units	MT	E03	1/T	MT	MT

DFO-HAD5Zejm-1969-2003-PREFONTAINE.pdf
Created on 2010-03-26 08:53:11 ADT

Assessment of Celtic Sea whiting (*Merlangius merlangus*)

Assessment ID:WGSSDS-WHITVIIek-1982-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/81

Area ID: multinational-ICES-VIIe-k

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Southern Shelf Demersal Stocks
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1982-2007
Document	ICES-WGSSDS-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-27
Date last loaded	2010-03-10
QA/QC complete	YES
Date approved	2009-05-29

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	2 to 5	yr-yr
TB-AGE-yr	0+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.2	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	15000	MT
SSBpa-MT (SSB)	21000	MT
SSB_{2006}/SSB_{lim}	1.580	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1982	1982	1982	1982
Maximum year	2006	2006	2006	2006	2006
Time series minimum	17000	29000	0.306	22680	9500
Time series maximum	73900	194000	1.222	83433	22700
Units	MT	E03	1/T	MT	MT

WGSSDS-WHITVIIek-1982-2007-JENNINGS.pdf
Created on 2010-05-18 12:33:55 ADT

Assessment of IIIa, VIId and North Sea whiting (*Merlangius merlangus*)

Assessment ID:WGNSSK-WHITNS-VIId-IIIa-1979-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/397

Area ID: multinational-ICES-IIIa-IV-VIId

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1979-2006
Document	ICES-WGNSSK-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-14
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
22 - North Sea	24 - Celtic-Biscay Shelf	na

Parameter	Value	Units
A50-yr	1	yr
SSB-AGE-yr	1+	yr
REC-AGE-yr	1	yr
TB-AGE-yr	1+	yr
M-1/T	Age specific	1/T
F-AGE-yr-yr	2-6	yr-yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	225000	MT
SSBpa-MT (SSB)	315000	MT
Fpa-1/T (F)	0.65	1/T
F0.1-1/T	0.1	1/T
Fmax-1/T	0.19	1/T
Flim-1/T (F)	0.9	1/T
SSB_{2006}/SSB_{lim}	0.431	
F_{2006}/F_{lim}	0.578	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1980	1979	1980	1980	1980
Maximum year	2006	2005	2006	2006	2006
Time series minimum	96967	383532	0.26	138290	26795
Time series maximum	521533	4423048	1.12	837376	223517
Units	MT	E03	1/T	MT	MT

Assessment of West of Scotland whiting (*Merlangius merlangus*)

Assessment ID:WGNSDS-WHITVIa-1984-2007-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/387

Area ID: multinational-ICES-VIa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Northern Shelf Demersal Stocks
Assessment authors	Anon
Assessment method	Survey based stock assessment method
Publication year	2007
Timeseries span	1984-2007
Document	ICES-WGNSDS-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-14
Date last loaded	2009-06-10
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
A50-yr	2	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	1	yr
M-1/T	0.2	1/T
TB-AGE-yr	1+	yr
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1985	1984		1985	
Maximum year	2007	2006		2007	
Time series minimum	0.152	0.583		0.211	
Time series maximum	1.094	11.288		1.703	
Units	relative	relative		relative	

WGNSDS-WHITVIa-1984-2007-MINTO.pdf
Created on 2010-03-17 10:30:07 ADT

Assessment of New Zealand - Campbell Island Rise southern blue whiting (*Micromesistius australis*)

Assessment ID:NZMFishMIDDEPTHSWG-SBWHITACIR-1979-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/190

Area ID: New Zealand-MFish-CIR

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Middle Depths Working Group
Assessment authors	
Assessment method	CASAL
Publication year	
Timeseries span	1979-2006
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-03-09
Date last loaded	2009-11-13
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
46 - New Zealand Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	2	yr
TB-AGE-yr	2	yr
A50-yr	3	yr
M-1/yr	0.114	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.328	1/yr
SSBmsy-MT (SSB)	52105.0464	MT
MSY-MT (TB)	19276.2356	MT
BH-h-dimless	1	dimless
SSB0-MT (SSB)	328946.0	MT
R0-E00	5.84E+07	E00
F_{2006}/F_{msy}	0.918	
SSB_{2006}/SSB_{msy}	1.154	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1979	1979	1979	1979	1979
Maximum year	2006	2004	2006	2006	2006
Time series minimum	29281	5790	0.08767466	27935.3	5989
Time series maximum	128587	378000	0.5830936	126956	33493
Units	MT	E03	1/yr	MT	MT

Assessment of Southern Argentina southern blue whiting (*Micromesistius australis*)

Assessment ID:INIDEP-SBWHITARGS-1985-2007-Parma
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/119

Area ID: Argentina-CFP-ARG-S

General assessment details.

Detail	Value
Management body	CFP
Assessment group	Instituto Nacional de Investigacion y Desarrollo Pesquero
Assessment authors	Giussi, Analia
Assessment method	Virtual Population Analysis
Publication year	2008
Timeseries span	1985-2007
Document	Giussi-polaca-2007.pdf (pdf in database)
Recorder	Parma
Date entered	2008-12-30
Date last loaded	2009-04-24
QA/QC complete	YES
Date approved	2009-04-23

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

primary LME	secondary LME	tertiary LME
14 - Patagonian Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	7 - 21	yr-yr
TB-AGE-yr	1+	yr
A50-yr	3.3	yr
L50-cm	35.5	cm
M-1/T	0.15	1/T
NATMORT-1/yr	0.15	1/yr
M		

Reference points		
Parameter	Value	Units
Fmax-1/yr (F)	0.566	1/yr
Fpa-1/yr (F)	0.05	1/yr
NATMORT-1/yr (M)	0.15	1/yr
F40%-1/T	0.1930	1/T
Blim-MT (SSB)	460473	MT
Brebuild-MT (SSB)	600000	MT
Bbuf-MT (SSB)	471387	MT
SSB_{2007}/B_{lim}	1.018	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1987	1985	1987	1987	1987
Maximum year	2007	2005	2007	2007	2007
Time series minimum	460473	21293	0.087	559839	39522
Time series maximum	1178558	1112030	0.152	1478240	168162
Units	MT	E03	1/yr	MT	MT

INIDEP-SBWHITARGS-1985-2007-Parma.pdf
Created on 2010-02-05 12:08:32 AST

Assessment of Northeast Atlantic blue whiting (*Micromesistius poutassou*)

Assessment ID:WGNPBW-BWHITNEA-1980-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/79

Area ID: multinational-ICES-I-II-III-IV-V-VI-VII-VIII-IX-XII-XIV

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Northern Pelagic and Blue Whiting Fisheries Working Group
Assessment authors	Anon
Assessment method	Stochastic Multi-species (SMS) model
Publication year	2007
Timeseries span	1980-2007
Document	ICES-WGNPBW-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-25
Date last loaded	2010-03-11
QA/QC complete	YES
Date approved	2009-05-29

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	60 - Faroe Plateau	59 - Iceland Shelf

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	3 to 7	yr-yr
TB-AGE-yr	1+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.2	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Flim-1/T (F)	0.51	1/T
Fpa-1/T (F)	0.32	1/T
SSBlim-MT (SSB)	1500000	MT
SSBpa-MT (SSB)	2250000	MT
SSB_{2007}/SSB_{lim}	2.909	
F_{2006}/F_{lim}	0.888	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1981	1980	1981	1981	1981
Maximum year	2007	2006	2006	2007	2006
Time series minimum	1546719	3308512	0.195	2642113	364008
Time series maximum	6897723	61664776	0.549	11708107	2400795
Units	MT	E03	1/T	MT	MT

Assessment of Gulf of Maine / Georges Bank pollock (*Pollachius virens*)

Assessment ID:NEFSC-POLL5YZ-1963-2007-MAYO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/275

Area ID: USA-NMFS-5YZ

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	An Index Model (AIM); Fmsy proxy based on log-log regression of replacement ratio on relative F (catch/survey biomass index)
Publication year	2008
Timeseries span	1963-2007
Document	crd0815.pdf (pdf in database)
Recorder	MAYO
Date entered	2009-04-20
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
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
A50-yr	3.4	yr
L50-cm	49.5	cm
M-1/yr	0.2	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		

Reference points

Parameter	Value	Units
Blim-relative	1	relative
Bmsy-relative	2	relative
Umsy-ratio (U)	5.65	ratio
MSY-MT (TB)	11320	MT
TB_{2007}/B_{msy}	0.449	

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year			1964	1964	1963
Maximum year			2007	2007	2007
Time series minimum			2.12	0.446	4758.67
Time series maximum			19.721	6.019	26649.87
Units			ratio	relative	MT

No recruitment data available

No SSB−recruit data available

NEFSC-POLL5YZ-1963-2007-MAYO.pdf
Created on 2010-02-25 13:53:22 AST

Assessment of Faroe Plateau pollock (*Pollachius virens*)

Assessment ID:NWWG-POLLFAPL-1958-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/379

Area ID: multinational-ICES-Vb1

General assessment details.

Detail	Value
Management body	ICES
Assessment group	North-Western Working Group
Assessment authors	Anon
Assessment method	Virtual Population Analysis
Publication year	2007
Timeseries span	1958-2006
Document	ICES-NWWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-09
Date last loaded	2010-03-16
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
60 - Faroe Plateau	na	na

Parameter	Value	Units
A50-yr	5	yr
SSB-AGE-yr	3+	yr
REC-AGE-yr	3	yr
F-AGE-yr-yr	4-8	yr-yr
TB-AGE-yr	3+	yr
M-1/T	0.2	1/T
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	47500	MT
SSBpa-MT (SSB)	60000	MT
F0.1-1/T	0.14	1/T
Fmax-1/T	0.45	1/T
Fpa-1/T (F)	0.5	1/T
SSB_{2006}/SSB_{lim}	2.072	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1961	1958	1961	1961	1961
Maximum year	2006	2003	2006	2006	2006
Time series minimum	59693	8415	0.0911	113051	9592
Time series maximum	147569	92717	0.7025	313275	67972
Units	MT	E03	1/T	MT	MT

Assessment of IIIa, VI and North Sea pollock (*Pollachius virens*)

Assessment ID:WGNSSK-POLLNS-VI-IIIa-1964-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/393

Area ID: multinational-ICES-IIIa-IV-VI

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1964-2006
Document	ICES-WGNSSK-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-14
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
22 - North Sea	24 - Celtic-Biscay Shelf	na

Parameter	Value	Units
A50-yr	4-5	yr
SSB-AGE-yr	4+	yr
REC-AGE-yr	3	yr
TB-AGE-yr	3+	yr
M-1/T	0.2	1/T
F-AGE-yr-yr	3-6	yr-yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	106000	MT
SSBpa-MT (SSB)	200000	MT
Fpa-1/T (F)	0.4	1/T
F0.1-1/T	0.11	1/T
Fmax-1/T	0.22	1/T
Flim-1/T (F)	0.6	1/T
SSB_{2006}/SSB_{lim}	2.811	
F_{2006}/F_{lim}	0.420	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1967	1964	1967	1967	1967
Maximum year	2006	2003	2006	2006	2006
Time series minimum	97609	67123	0.19	255620	88326
Time series maximum	554904	384108	0.825	1018303	343967
Units	MT	E03	1/T	MT	MT

Assessment of North-East Arctic pollock (*Pollachius virens*)

Assessment ID:AFWG-POLLNEAR-1957-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/367

Area ID: multinational-ICES-I-II

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Arctic Fisheries Working Group
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1957-2006
Document	ICES-AFWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-07
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
20 - Barents Sea	21 - Norwegian Sea	na

Parameter	Value	Units
A50-yr	5	yr
SSB-AGE-yr	4+	yr
REC-AGE-yr	3	yr
F-AGE-yr-yr	4-7	yr-yr
M-1/T	0.2	1/T
TB-AGE-yr	3+	yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	136000	MT
SSBpa-MT (SSB)	220000	MT
F0.1-1/T	0.14	1/T
Fmax-1/T	0.32	1/T
Flim-1/T (F)	0.58	1/T
Fpa-1/T (F)	0.35	1/T
SSB_{2006}/SSB_{lim}	5.793	
F_{2006}/F_{lim}	0.386	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1960	1957	1960	1960	1960
Maximum year	2006	2003	2006	2006	2006
Time series minimum	93950	66951	0.1193	253730	70458
Time series maximum	787915	414480	0.681	1309499	274121
Units	MT	E03	1/T	MT	MT

Assessment of Scotian Shelf, Bay of Fundy and Georges Bank pollock (*Pollachius virens*)

Assessment ID:DFO-POLL4VWX5Zc-1974-2007-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/179

Area ID: Canada-DFO-4VWX5Zc

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans
Assessment authors	Stone, Heath
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	2006
Timeseries span	1974-2007
Document	NAFO-POLL4VWX5Zc-2006.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-05-29
Date last loaded	2009-03-17
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	8 - Scotian Shelf	na

Parameter	Value	Units
SSB-AGE-yr	4+	yr
REC-AGE-yr	2+	yr
F-AGE-yr-yr	4-9	yr-yr
M-1/T	0.2	1/T
TB-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Fref-1/T (F)	0.2	1/T

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1982	1982	1982	1982
Maximum year	2006	2007	2006	2006	2006
Time series minimum	7524	3365	0.08	11074	2474
Time series maximum	65627	16664	1.045	76792	19323
Units	MT	E03	1/T	MT	MT

DFO-POLL4VWX5Zc-1974-2007-PREFONTAINE.pdf
Created on 2010-03-26 08:53:31 ADT

Assessment of Northern Sea of Okhotsk walleye pollock (*Theragra chalcogramma*)

Assessment ID:SFI-WPOLLNSO-1985-1994-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/425

Area ID: Russia-RFFA-NSO

General assessment details.

Detail	Value
Management body	RFFA
Assessment group	Sea Fisheries Institute Poland
Assessment authors	Janusz, J.
Assessment method	Age-aggregated surplus production model
Publication year	1997
Timeseries span	1985-1994
Document	WPOLLNSO-1997-JENSEN.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-11-10
Date last loaded	2009-11-11
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
52 - Sea of Okhotsk	na	na

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

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.27	1/yr
Bmsy-MT (TB)	7600000	MT
MSY-MT (TB)	2067000	MT
TB_{1994}/B_{msy}	1.303	
F_{1993}/F_{msy}	0.630	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1985	1985	1985
Maximum year			1993	1994	1992
Time series minimum			0.14	6605000	1368000
Time series maximum			0.22	9937000	1967000
Units			1/yr	MT	MT

No recruitment data available

No SSB−recruit data available

SFI-WPOLLNSO-1985-1994-JENSEN.pdf
Created on 2010-05-18 12:38:28 ADT

Assessment of Western Bering Sea walleye pollock (*Theragra chalcogramma*)

Assessment ID:VNIRO-WPOLLWBS-1994-2004-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/426

Area ID: Russia-RFFA-WBS

General assessment details.

Detail	Value
Management body	RFFA
Assessment group	Russian Federal Research Institute of Fisheries and Oceanography
Assessment authors	Vasilyev, D.A.
Assessment method	Instantaneous Separable VPA
Publication year	2004
Timeseries span	1994-2004
Document	WPOLLWBS-2004-JENSEN.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-11-11
Date last loaded	2009-11-11
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
53 - West Bering Sea	na	na

Parameter	Value	Units
F-AGE-yr-yr	3-6	yr-yr
TB-AGE-yr	2+	yr
REC-AGE		
SSB-AGE-yr		
SSB-SEX-sex		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1994	1994	1994
Maximum year			2004	2004	2004
Time series minimum			0.25	687000	288900
Time series maximum			0.76	1602000	753000
Units			1/yr	MT	MT

No recruitment data available

No SSB−recruit data available

VNIRO-WPOLLWBS-1994-2004-JENSEN.pdf
Created on 2010-05-18 12:38:39 ADT

Assessment of Aleutian Islands walleye pollock (*Theragra chalcogramma*)

Assessment ID:AFSC-WPOLLAI-1976-2008-MELNYCHUK
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/284

Area ID: USA-NMFS-AI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Barbeaux, S.
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1976-2008
Document	AFSC-WPOLLAI-2008-Walleye pollock AI.pdf (pdf in database)
Recorder	MELNYCHUK
Date entered	2009-04-16
Date last loaded	2009-05-26
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
1 - East Bering Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	4.5	yr
REC-AGE-yr	2	yr
F-AGE-yr-yr	2-15+	yr-yr
TB-AGE-yr	2+	yr
A50-yr	4.5	yr
M-1/yr	0.215	1/yr
NATMORT-1/yr	0.215	1/yr
M		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.357	1/yr
NATMORT-1/yr (M)	0.215	1/yr
F40%-1/T	0.288	1/T
SSBmsy-MT (SSB)	98987	MT
SSBF40%-MT	113128	MT
F_{2008}/F_{msy}	0.022	
SSB_{2008}/SSB_{msy}	0.858	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1978	1976	1978	1978	1977
Maximum year	2008	2007	2008	2008	2007
Time series minimum	58489	31500	0.007	175420	824
Time series maximum	547400	1637800	0.279	1585100	98604
Units	MT	E03	1/yr	MT	MT

AFSC-WPOLLAI-1976-2008-MELNYCHUK.pdf
Created on 2010-02-17 16:01:12 AST

Assessment of Eastern Bering Sea walleye pollock (*Theragra chalcogramma*)

Assessment ID:AFSC-WPOLLEBS-1963-2008-MELNYCHUK
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/267

Area ID: USA-NMFS-EBS

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	2008
Timeseries span	1963-2008
Document	AFSC-WPOLLEBS-2008-Walleye pollock EBS.pdf (pdf in database)
Recorder	MELNYCHUK
Date entered	2009-04-14
Date last loaded	2009-05-26
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
1 - East Bering Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	3.5	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	1+	yr-yr
TB-AGE-yr	3+	yr
A50-yr	3.5	yr
M-1/yr	0.3	1/yr
NATMORT-1/yr M	0.3	1/yr
L50-cm		

Reference points

Parameter	Value	Units
Fref-1/T (F)	0.398	1/T
NATMORT-1/yr (M)	0.3	1/yr
F40%-1/T	0.332	1/T
SSBmsy-MT (SSB)	1919000	MT
MSY-MT (TB)	977000	MT
SSB0-MT (SSB)	4,980,000	MT
SSBF40%-MT	2427000	MT
BH-h-dimless	0.67	dimless
SSB_{2008}/SSB_{msy}	0.660	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1964	1963	1964	1964	1964
Maximum year	2008	2007	2007	2008	2007
Time series minimum	444000	3455000	0.101	1600000	175375
Time series maximum	3893000	60673000	0.53	12704000	1864100
Units	MT	E03	1/yr	MT	MT

AFSC-WPOLLEBS-1963-2008-MELNYCHUK.pdf
Created on 2010-02-17 16:01:13 AST

Assessment of Gulf of Alaska walleye pollock (*Theragra chalcogramma*)

Assessment ID:AFSC-WPOLLGA-1964-2008-MELNYCHUK
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/272

Area ID: USA-NMFS-GA

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Dorn, Martin
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1964-2008
Document	AFSC-WPOLLGA-2008-Walleye pollock GA.pdf (pdf in database)
Recorder	MELNYCHUK
Date entered	2009-04-16
Date last loaded	2009-05-22
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	4.9	yr
REC-AGE-yr	2	yr
TB-AGE-yr	3+	yr
A50-yr	4.9	yr
L50-cm	43	cm
M-1/yr	0.3	1/yr
NATMORT-1/yr	0.3	1/yr
F-AGE-yr		
M		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.286	1/yr
NATMORT-1/yr (M)	0.3	1/yr
F40%-1/T	0.245	1/T
SSBmsy-MT (SSB)	208000	MT
MSY-MT (TB)	169000	MT
Umsy-ratio (U)	0.187	ratio
Bmsy-MT (TB)	903000	MT
SSBF40%-MT	237000	MT
BF40%-MT	975000	MT
U40%-ratio	0.161	ratio
TB_{2008}/B_{msy}	2.582	
SSB_{2008}/SSB_{msy}	0.774	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1977	1975		1977	1964
Maximum year	2008	2006		2008	2007
Time series minimum	130000	83000		481000	1126
Time series maximum	745000	3636000		4157000	307401
Units	MT	E03		MT	MT

AFSC-WPOLLGA-1964-2008-MELNYCHUK.pdf
Created on 2010-02-17 16:01:15 AST

Assessment of North Sea norway pout (*Trisopterus esmarkii*)

Assessment ID:WGNSSK-NPOUTNS-1983-2007-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/389

Area ID: multinational-ICES-IV

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1983-2007
Document	ICES-WGNSSK-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-13
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
22 - North Sea	na	na

Parameter	Value	Units
A50-yr	1-2	yr
SSB-AGE-yr	1+	yr
REC-AGE-yr	0	yr
TB-AGE-yr	0+	yr
M-1/T	0.4	1/T
F-AGE-yr-yr	1-2	yr-yr
M		
L50-cm		

Reference points

Parameter	Value	Units
SSBlim-MT (SSB)	90000	MT
SSBpa-MT (SSB)	150000	MT
SSB_{2007}/SSB_{lim}	1.792	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1983	1983	1983	1983	1983
Maximum year	2007	2007	2006	2006	2006
Time series minimum	55568	21662000	0	215118	1900
Time series maximum	371336	308548000	1.295	1902065	457600
Units	MT	E03	1/T	MT	MT

Assessment of Scotian Shelf, Bay of Fundy and Georges Bank white hake (*Urophycis tenuis*)

Assessment ID:DFO-MAR-WHAKE4VWX5-1964-2005-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/6

Area ID: Canada-DFO-4VWX5

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Maritimes Region
Assessment authors	Bundy, A.
Assessment method	Unknown
Publication year	2005
Timeseries span	1964-2005
Document	NAFO-WHAKE4VWX5-2005.pdf (pdf in database)
Recorder	PREFONTAINE
Date entered	2008-06-18
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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

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

Parameter	Value	Units
F-AGE-yr-yr	SEE NOTES	yr-yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					1964
Maximum year					2005
Time series minimum					505
Time series maximum					8697
Units					MT

No biomass data available

No recruitment data available

No SSB−recruit data available

DFO-MAR-WHAKE4VWX5-1964-2005-PREFONTAINE.pdf
Created on 2010-03-26 08:53:19 ADT

Assessment of Gulf of Maine / Georges Bank white hake (*Urophycis tenuis*)

Assessment ID:NEFSC-WHAKEGBGOM-1963-2007-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/415

Area ID: USA-NMFS-5YZ

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Age-structured surplus production model
Publication year	2008
Timeseries span	1963-2007
Document	WhiteHake2008.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-20
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
REC-AGE-yr	1	yr
F-AGE-yr-yr	1-9	yr-yr
TB-AGE-yr	1	yr
A50-yr	2.568	yr
M-1/T	0.2	1/T
SSB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	56300	MT
Fmsy-1/yr (F)	0.125	1/yr
SPRF0-E01 (SPR)	17.5788	E01
F40%-1/T	0.13	1/T
SSBmsy-MT (SSB)	56300	MT
MSY-MT (TB)	5800	MT
Frebuild-1/T (F)	0.13	1/T
TB_{2007}/B_{msy}	0.405	
F_{2007}/F_{msy}	1.216	
SSB_{2007}/SSB_{msy}	0.352	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1963	1963	1963	1963	1963
Maximum year	2007	2007	2007	2007	2007
Time series minimum	13304	3173.77	0.081	16102.01	1498.41
Time series maximum	60869	14681.7	0.624	65856.89	12602.02
Units	MT	E03	1/T	MT	MT

Assessment of Southern Argentina patagonian grenadier (*Macruronus magellanicus*)

Assessment ID:INIDEP-PATGRENADIERSARG-1983-2006-Parma
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/148

Area ID: Argentina-CFP-ARG-S

General assessment details.

Detail	Value
Management body	CFP
Assessment group	Instituto Nacional de Investigacion y Desarrollo Pesquero
Assessment authors	Giussi, Analia
Assessment method	Virtual Population Analysis
Publication year	2007
Timeseries span	1983-2006
Document	Giussi-hoki-2007.pdf (pdf in database)
Recorder	Parma
Date entered	2008-12-30
Date last loaded	2009-04-24
QA/QC complete	YES
Date approved	2009-04-23

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

primary LME	secondary LME	tertiary LME
14 - Patagonian Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	5- 12	yr-yr
TB-AGE-yr	1+	yr
A50-yr	3.59	yr
L50-cm	57.79	cm
M-1/yr	0.3	1/yr
NATMORT-1/yr M	0.3	1/yr

Reference points

Parameter	Value	Units
Fmax-1/yr (F)	0.3630	1/yr
Fmsy-1/yr (F)	0.3294	1/yr
NATMORT-1/yr (M)	0.3	1/yr
F40%-1/T	0.1842	1/T
SSBmsy-MT (SSB)	372542.00	MT
MSY-MT (TB)	132131.00	MT
Umsy-ratio (U)	0.2058	ratio
Blim-MT (SSB)	415041.00	MT
Bmsy-MT (TB)	642031.00	MT
Brebuild-MT (SSB)	500000.00	MT
Bbuf-MT (SSB)	712405.00	MT
SSB_{2006}/B_{lim}	1.631	
TB_{2006}/B_{msy}	3.701	
F_{2006}/F_{msy}	0.595	
SSB_{2006}/SSB_{msy}	1.817	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1985	1983	1985	1985	1985
Maximum year	2006	2004	2006	2006	2006
Time series minimum	415041	212795	0.019	857676	21663
Time series maximum	960291	2576934	0.398	1664567	168031
Units	MT	E03	1/yr	MT	MT

INIDEP-PATGRENADIERSARG-1983-2006-Parma.pdf
Created on 2010-02-05 12:08:30 AST

Assessment of Eastern New Zealand hoki (*Macruronus novaezelandiae*)

Assessment ID:NZMFishHOKIWG-HOKIENZ-1972-2007-FRANCIS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/360

Area ID: New Zealand-MFish-ENZ

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Hoki Working Group
Assessment authors	R.I.C.C. Francis
Assessment method	CASAL
Publication year	2008
Timeseries span	1972-2007
Document	FAR0804hok07.pdf (pdf in database)
Recorder	FRANCIS
Date entered	2008-09-18
Date last loaded	2009-06-09
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
46 - New Zealand Shelf	na	na

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

Reference points

Parameter	Value	Units
BH-h-dimless	0.75	dimless

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1972	1972	1972	1972	1972
Maximum year	2007	2007	2007	2007	2007
Time series minimum	186148	720110	0.0024	532901	2228
Time series maximum	546701	15239500	0.1864	1953697	101504
Units	MT	E03	none	MT	MT

NZMFishHOKIWG-HOKIENZ-1972-2007-FRANCIS.pdf
Created on 2010-02-18 21:27:49 AST

Assessment of Western New Zealand hoki (*Macruronus novaezelandiae*)

Assessment ID:NZMFishHOKIWG-HOKIWNZ-1972-2007-FRANCIS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/359

Area ID: New Zealand-MFish-WNZ

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Hoki Working Group
Assessment authors	R.I.C.C. Francis
Assessment method	CASAL
Publication year	2008
Timeseries span	1972-2007
Document	FAR0804hok07.pdf (pdf in database)
Recorder	FRANCIS
Date entered	2008-09-18
Date last loaded	2009-06-09
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
46 - New Zealand Shelf	na	na

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

Reference points

Parameter	Value	Units
BH-h-dimless	0.75	dimless

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1972	1972	1972	1972	1972
Maximum year	2007	2007	2007	2007	2007
Time series minimum	139515	758594	0.0037	371333	5772
Time series maximum	958163	26599700	0.2731	2700076	245304
Units	MT	E03	none	MT	MT

NZMFishHOKIWG-HOKIWNZ-1972-2007-FRANCIS.pdf
Created on 2010-02-18 21:27:51 AST

Assessment of Gulf of Maine / Georges Bank silver hake (*Merluccius bilinearis*)

Assessment ID:NEFSC-SHAKEGOMNGB-1955-2005-COL
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/287

Area ID: USA-NMFS-5YZ

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2005
Timeseries span	1955-2005
Document	SilverHake-2005-NEFSC-Assessment.pdf (pdf in database)
Recorder	COL
Date entered	2009-04-24
Date last loaded	2010-01-04
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
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
A50-yr	2	yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Bmsy-relative	6.63	relative
Bpa-relative	3.31	relative
Umsy-ratio (U)	2.57	ratio
TB_{2005}/B_{msy}	0.294	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1965	1963	1955
Maximum year			2005	2005	2005
Time series minimum			0.050337	1.947	240.98
Time series maximum			14.90240096	25.418	94462
Units			ratio	relative	MT

No recruitment data available

No SSB−recruit data available

Assessment of Southern Georges Bank / Mid-Atlantic silver hake (*Merluccius bilinearis*)

Assessment ID:NEFSC-SHAKESGBMATL-1955-2005-COL
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/288

Area ID: USA-NMFS-SGBMATL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2005
Timeseries span	1955-2005
Document	SilverHake-2005-NEFSC-Assessment.pdf (pdf in database)
Recorder	COL
Date entered	2009-04-24
Date last loaded	2010-02-11
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
A50-yr	2	yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Bmsy-relative	1.78	relative
Bpa-relative	0.89	relative
Umsy-ratio (U)	34.39	ratio
Upa-ratio	20.63	ratio
TB_{2005}/B_{msy}	0.638	

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year			1965	1963	1955
Maximum year			2005	2005	2005
Time series minimum			3.463264991	0.431	5153.338306
Time series maximum			72.26244245	5.522	307131
Units			ratio	relative	MT

No recruitment data available

No SSB−recruit data available

Assessment of South Africa shallow-water cape hake (*Merluccius capensis*)

Assessment ID:MARAM-CHAKESA-1917-2008-DEDECKER
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/195

Area ID: South Africa-DETMCM-SA

General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Management Group, Department of Mathematics and Applied Mathematics, University of Cape Town, Rondebosch, 7701, South Africa
Assessment authors	Rademeyer, R.A.
Assessment method	Age-structured surplus production model
Publication year	
Timeseries span	1917-2008
Document	SA-Mcapensis-2008_IWS_DEC08_H_5.pdf (pdf not in database)
Recorder	DEDECKER
Date entered	2009-02-13
Date last loaded	2009-12-07
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
29 - Benguela Current	30 - Agulhas Current	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	0-7+	yr-yr
TB-AGE-yr	3	yr
A50-yr	3	yr
M-1/yr	0.4	1/yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBmsy-MT (SSB)	218000	MT
SSB0-MT (SSB)	871000	MT
R0-E09 (R)	0.548	E09
MSY-MT (TB)	86000	MT
BH-h-dimless	0.95	dimless
SSB_{2008}/SSB_{msy}	2.296	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1917	1917		1917	1917
Maximum year	2008	2008		2008	2008
Time series minimum	429458.4	274000		429458.4	0
Time series maximum	871443.8	807000		871443.8	94359
Units	MT	E03		MT	MT

MARAM-CHAKESA-1917-2008-DEDECKER.pdf
Created on 2010-02-18 21:29:19 AST

Assessment of Northern Argentina argentine hake (*Merluccius hubbsi*)

Assessment ID:INIDEP-ARGHAKENARG-1985-2007-Parma
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/104

Area ID: Argentina-CFP-ARG-N

General assessment details.

Detail	Value
Management body	CFP
Assessment group	Instituto Nacional de Investigacion y Desarrollo Pesquero
Assessment authors	Irusta, Gabriela
Assessment method	Virtual Population Analysis
Publication year	2007
Timeseries span	1985-2007
Document	Irusta-hake-N-2007.pdf (pdf in database)
Recorder	Parma
Date entered	2008-12-11
Date last loaded	2009-04-24
QA/QC complete	YES
Date approved	2009-04-23

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

primary LME	secondary LME	tertiary LME
14 - Patagonian Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
F-AGE-yr-yr	3-6	yr-yr
TB-AGE-yr	1+	yr
A50-yr	2.62	yr
M-1/yr	0.3	1/yr
NATMORT-1/yr	0.3	1/yr
SSB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Fmax-1/yr (F)	0.2978	1/yr
Fmsy-1/yr (F)	0.4322	1/yr
NATMORT-1/yr (M)	0.3	1/yr
F40%-1/T	0.18791	1/T
SSBmsy-MT (SSB)	429200	MT
MSY-MT (TB)	169416	MT
Umsy-ratio (U)	0.28133	ratio
Blim-MT (SSB)	99764	MT
Bmsy-MT (TB)	602198.00	MT
Brebuild-MT (SSB)	200000.00	MT
Bbuf-MT (SSB)	99764	MT
SSB_{2007}/B_{lim}	0.702	
TB_{2007}/B_{msy}	0.265	
F_{2007}/F_{msy}	1.261	
SSB_{2007}/SSB_{msy}	0.163	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1986	1985	1986	1986	1986
Maximum year	2007	2006	2007	2007	2007
Time series minimum	52371	162065	0.4208	106288	47723
Time series maximum	472775	730545	1.6097	571523	221201
Units	MT	E03	1/yr	MT	MT

INIDEP-ARGHAKENARG-1985-2007-Parma.pdf
Created on 2010-02-05 12:08:27 AST

Assessment of Southern Argentina argentine hake (*Merluccius hubbsi*)

Assessment ID:INIDEP-ARGHAKESARG-1985-2008-Parma
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/103

Area ID: Argentina-CFP-ARG-S

General assessment details.

Detail	Value
Management body	CFP
Assessment group	Instituto Nacional de Investigacion y Desarrollo Pesquero
Assessment authors	Renzi, Marta
Assessment method	Virtual Population Analysis
Publication year	2009
Timeseries span	1985-2008
Document	Renzi-hake-S-2009.pdf (pdf in database)
Recorder	Parma
Date entered	2010-01-13
Date last loaded	2010-02-05
QA/QC complete	YES
Date approved	2009-04-23

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

primary LME	secondary LME	tertiary LME
14 - Patagonian Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
F-AGE-yr-yr	3-6	yr-yr
TB-AGE-yr	1+	yr
A50-yr	2.62	yr
M-1/yr	0.3	1/yr
NATMORT-1/yr	0.3	1/yr
SSB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Fmax-1/yr (F)	0.3117	1/yr
Fmsy-1/yr (F)	0.4285	1/yr
NATMORT-1/yr (M)	0.3	1/yr
F40%-1/T	0.19080	1/T
SSBmsy-MT (SSB)	701328.02	MT
MSY-MT (TB)	277675.26	MT
Umsy-ratio (U)	0.27718	ratio
Blim-MT (SSB)	218713	MT
Bmsy-MT (TB)	1001788.06	MT
Brebuild-MT (SSB)	500000	MT
Bbuf-MT (SSB)	376680	MT
SSB_{2008}/B_{lim}	1.092	
TB_{2008}/B_{msy}	0.568	
F_{2008}/F_{msy}	1.494	
SSB_{2008}/SSB_{msy}	0.341	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1986	1985	1986	1986	1986
Maximum year	2008	2007	2008	2008	2008
Time series minimum	218713	587405	0.13	372877	163565
Time series maximum	1201451	2241059	0.995	1385781	515771
Units	MT	E03	1/yr	MT	MT

INIDEP-ARGHAKESARG-1985-2008-Parma.pdf
Created on 2010-02-05 12:08:29 AST

Assessment of IIIa-IV-VI-VII-VIIIabd hake (*Merluccius merluccius*)

Assessment ID:WGHMM-HAKENRTN-1977-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/33

Area ID: multinational-ICES-IIIa-IV-VI-VII-VIIIabd

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Southern Shelf Stocks of Hake, Monk and Megrim
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1977-2007
Document	ICES-WGHMM-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-20
Date last loaded	2010-03-11
QA/QC complete	YES
Date approved	2009-05-28

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	22 - North Sea	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	2 to 6	yr-yr
TB-AGE-yr	0+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.2	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Flim-1/T (F)	0.35	1/T
Fpa-1/T (F)	0.25	1/T
SSBlim-MT (SSB)	100000	MT
SSBpa-MT (SSB)	140000	MT
SSB_{2007}/SSB_{lim}	1.509	
F_{2006}/F_{lim}	0.609	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1979	1977	1979	1979	1979
Maximum year	2007	2005	2006	2006	2006
Time series minimum	94800	144000	0.163	154969	35010
Time series maximum	309700	297000	0.425	389774	66472
Units	MT	E03	1/T	MT	MT

Assessment of VIIIc-IXa hake (*Merluccius merluccius*)

Assessment ID:WGHMM-HAKESOTH-1982-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/34

Area ID: multinational-ICES-VIIIc-IXa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Southern Shelf Stocks of Hake, Monk and Megrim
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1982-2007
Document	ICES-WGHMM-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-21
Date last loaded	2010-03-11
QA/QC complete	YES
Date approved	2009-05-28

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

primary LME	secondary LME	tertiary LME
25 - Iberian Coastal	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	2 to 5	yr-yr
TB-AGE-yr	0+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.2	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Flim-1/T (F)	0.55	1/T
Fpa-1/T (F)	0.44	1/T
SSBlim-MT (SSB)	25000	MT
SSBpa-MT (SSB)	35000	MT
SSB_{2007}/SSB_{lim}	0.608	
F_{2007}/F_{lim}	1.115	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1982	1982		1982
Maximum year	2007	2007	2007		2007
Time series minimum	6401	31003	0.296		5617
Time series maximum	51913	116850	0.782		22376
Units	MT	E03	1/T	MT	MT

Assessment of South Africa deep-water cape hake (*Merluccius paradoxus*)

Assessment ID:MARAM-DEEPCHAKESA-1917-2008-DEDECKER
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/196

Area ID: South Africa-DETMCM-SA

General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Management Group, Department of Mathematics and Applied Mathematics, University of Cape Town, Rondebosch, 7701, South Africa
Assessment authors	Rademeyer, R.A.
Assessment method	Age-structured surplus production model
Publication year	
Timeseries span	1917-2008
Document	SA-Mparadoxus-2008-IWS-DEC08-H-5.pdf (pdf in database)
Recorder	DEDECKER
Date entered	2009-02-13
Date last loaded	2009-12-07
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
29 - Benguela Current	30 - Agulhas Current	na

Parameter	Value	Units
SSB-AGE-yr	3+	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	0-5+	yr-yr
TB-AGE-yr	3	yr
A50-yr	3	yr
M-1/T	AVAILABLE	1/T
M-1/yr	AVAILABLE	1/yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBmsy-MT (SSB)	321000	MT
SSB0-MT (SSB)	1821000	MT
R0-E09 (R)	0.756	E09
MSY-MT (TB)	113500	MT
BH-h-dimless	0.95	dimless
SSB_{2008}/SSB_{msy}	0.826	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1917	1917		1917	1917
Maximum year	2008	2008		2008	2008
Time series minimum	153751.4	490000		153751.4	0
Time series maximum	1820629.2	860000		1820629.2	203658
Units	MT	E03		MT	MT

MARAM-DEEPCHAKESA-1917-2008-DEDECKER.pdf
Created on 2010-02-18 21:29:31 AST

Assessment of Pacific Coast pacific hake (*Merluccius productus*)

Assessment ID:NWFSC-PHAKEPCOAST-1966-2008-BRANCH
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/74

Area ID: USA-NMFS-PCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Helser TE
Assessment method	Stock Synthesis v2.0 model
Publication year	2008
Timeseries span	1966-2008
Document	NWFSC-PHAKEPCOAST-2008-Pacific-Hake-US-Canada.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-24
Date last loaded	2009-03-17
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
REC-AGE-yr	0	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	3+	yr
L50-cm	36	cm
M-1/yr	0.23	1/yr
SSB-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Blim-MT (TB)	882000	MT
Bmsy-MT (TB)	680000	MT
Fmsy-1/yr (F)	0.26	1/yr
SSB0-MT (SSB)	2890000	MT
R0-E09 (R)	4.06	E09
SSBtarget-MT (SSB)	1170000	MT
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.16	1/yr
SPRtarget-ratio (SPR)	0.4	ratio
MSY-MT (TB)	476710	MT
BH-h-dimless	0.744	dimless
TB_{2008}/B_{msy}	3.662	
F_{2007}/F_{msy}	0.731	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1966	1966	1966	1966	1966
Maximum year	2008	2008	2007	2008	2007
Time series minimum	882000	30000	0.012	1798000	89936
Time series maximum	6450000	47524000	0.254	15063000	364025
Units	MT	E03	1/yr	MT	MT

Assessment of Chatham Rise southern hake (*Merluccius australis*)

Assessment ID:NZMFishMIDDEPTHSWG-SOUTHHAKECR-1975-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/180

Area ID: New Zealand-MFish-CR

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Middle Depths Working Group
Assessment authors	
Assessment method	CASAL
Publication year	
Timeseries span	1975-2006
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-03-11
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
46 - New Zealand Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
TB-AGE-yr	1	yr
A50-yr	7	yr
M-1/yr	0.18	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	2.89E-01	1/yr
MSY-MT (TB)	3042.60651	MT
SSBmsy-MT (SSB)	7786.9455	MT
SSB0-MT (SSB)	37985.1	MT
BH-h-dimless	0.9	dimless
F_{2006}/F_{msy}	0.116	
SSB_{2006}/SSB_{msy}	1.768	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1975	1975	1975	1975	1975
Maximum year	2006	2005	2006	2006	2006
Time series minimum	13770.4	516	0.0007420451	19723.6	34
Time series maximum	44663.7	12400	0.2131267	62986.5	4509
Units	MT	E03	1/yr	MT	MT

NZMFishMIDDEPTHSWG-SOUTHHAKECR-1975-2006-JENSEN.pdf
Created on 2010-05-18 12:37:53 ADT

Assessment of Sub-Antarctic southern hake (*Merluccius australis*)

Assessment ID:NZMFishMIDDEPTHSWG-SOUTHHAKESA-1975-2007-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/181

Area ID: New Zealand-MFish-SA

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Middle Depths Working Group
Assessment authors	NULL
Assessment method	CASAL
Publication year	
Timeseries span	1975-2007
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-03-11
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
46 - New Zealand Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
TB-AGE-yr	1	yr
A50-yr	7.25	yr
M-1/yr	0.18	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.307	1/yr
MSY-MT (TB)	5810.2831	MT
SSBmsy-MT (SSB)	14153.0846	MT
SSB0-MT (SSB)	65951	MT
BH-h-dimless	0.9	dimless
F_{2007}/F_{msy}	0.107	
SSB_{2007}/SSB_{msy}	2.911	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1975	1975	1975	1975	1975
Maximum year	2007	2006	2007	2007	2007
Time series minimum	41198.1	1480	0.004012136	56399.5	120
Time series maximum	93878.8	30300	0.04123631	129739	3260
Units	MT	E03	1/yr	MT	MT

NZMFishMIDDEPTHSWG-SOUTHHAKESA-1975-2007-JENSEN.pdf
Created on 2010-05-18 12:37:55 ADT

Assessment of Nothwest Pacific Ocean shortfin mako (*Isurus oxyrinchus*)

Assessment ID:IMARM-SFMAKONWPAC-1990-2003-FAUCONNET
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/400

Area ID: multinational-UNKNOWN-NWPAC

General assessment details.

Detail	Value
Management body	UNKNOWN
Assessment group	Institute of Marine Affairs and Resource Management - National Taiwan Ocean University, 2 Pei-Ning Road, Keelung 20224, Taiwan
Assessment authors	Chang, Jui-Han
Assessment method	Virtual Population Analysis
Publication year	2009
Timeseries span	1990-2003
Document	Chang-Liu-2009-Shortfin-mako-NWPAC.pdf (pdf in database)
Recorder	FAUCONNET
Date entered	2009-06-11
Date last loaded	2010-02-25
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
-99 - Pacific High Seas	-98 - Atlantic High Seas	-97 - Indian High Seas

Parameter	Value	Units
SSB-AGE-yr	17-21	yr
F-AGE-yr-yr	0-22	yr-yr
F-AGE-yr-yr	0-18	yr-yr
REC-AGE		
TB-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
F30%-1/yr	0.052	1/yr
F35%-1/yr	0.045	1/yr
F40%-1/yr	0.04	1/yr
F0.1-1/yr (F)	0.063	1/yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					1990
Maximum year					2003
Time series minimum					266
Time series maximum					776
Units					MT

No biomass data available

No recruitment data available

No SSB−recruit data available

IMARM-SFMAKONWPAC-1990-2003-FAUCONNET.pdf
Created on 2010-02-25 15:14:43 AST

Assessment of Labrador Shelf-Grand Banks-S. Pierre Bank monkfish (*Lophius americanus*)

Assessment
ID:DFO-NFLD-MONK2J3KLNOPs-1977-2000-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/5

Area ID: Canada-DFO-2J3KLNOPs

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Newfoundland Region
Assessment authors	Kulka, D.W.
Assessment method	Unknown
Publication year	2001
Timeseries span	1977-2000
Document	NAFO-MONK2J3KLNOPs-2001.pdf (pdf in database)
Recorder	PREFONTAINE
Date entered	2008-06-26
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
9 - Newfoundland-Labrador Shelf	na	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year				1977	1985
Maximum year				2000	2000
Time series minimum				501	126
Time series maximum				4996	1997
Units				MT	MT

No recruitment data available

No SSB−recruit data available

DFO-NFLD-MONK2J3KLNOPs-1977-2000-PREFONTAINE.pdf
Created on 2010-03-26 08:53:28 ADT

Assessment of Gulf of Maine / Northern Georges Bank monkfish (*Lophius americanus*)

Assessment ID:NEFSC-MONKGOMNGB-1964-2006-RICHARDS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/319

Area ID: USA-NMFS-GOMNGB

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Unknown
Publication year	2007
Timeseries span	1964-2006
Document	crd0721.pdf (pdf in database)
Recorder	RICHARDS
Date entered	2009-04-22
Date last loaded	2009-10-26
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
A50-yr	7	yr
L50-cm	103	cm
M-1/yr	0.15	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	49000	MT
Bpa-MT (SSB)	24000	MT
F0.1-1/yr (F)	0.073	1/yr
Fmax-1/yr (F)	0.114	1/yr
Fmsy-1/yr (F)	0.073	1/yr
SPRF0-E01 (SPR)	109	E01
F40%-1/T	0.064	1/T
SSBmsy-MT (SSB)	49000	MT
MSY-MT (TB)	3500	MT
Frebuild-1/T (F)	0.044	1/T
TB_{2006}/B_{msy}	2.422	
F_{2006}/F_{msy}	1.233	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year		1980	1980	1980	1980
Maximum year		2006	2006	2006	2006
Time series minimum		10.42	0.05	65230	4087
Time series maximum		52.82	0.43	127270	16309
Units	MT	E03	1/T	MT	MT

Assessment of Southern Georges Bank / Mid-Atlantic monkfish (*Lophius americanus*)

Assessment ID:NEFSC-MONKSGBMATL-1964-2006-RICHARDS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/320

Area ID: USA-NMFS-SGBMATL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Size-based model
Publication year	2007
Timeseries span	1964-2006
Document	Monkfish2007NEFSCAssessment.pdf (pdf in database)
Recorder	RICHARDS
Date entered	2009-05-01
Date last loaded	2009-10-07
QA/QC complete	NO
Date approved	

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

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

Parameter	Value	Units
SSB-AGE-yr	4+	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	3+	yr-yr
L50-cm	43.8	cm
M-1/yr	0.3	1/yr
TB-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Bpa-MT (SSB)	122500	MT
F0.1-1/yr (F)	0.25	1/yr
Fmax-1/yr (F)	0.4	1/yr
F40%-1/T	0.31	1/T

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year		1979	1980	1980	1980
Maximum year		2005	2006	2006	2006
Time series minimum		144900	0.04	96415300	4139.13
Time series maximum		503700	0.37	152672000	20438.44
Units		E03	1/yr	MT	MT

No SSB−recruit
data available

Assessment of Southeast Australia ling (*Genypterus blacodes*)

Assessment ID:CSIRO-NZLINGESE-1968-2007-FULTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/89

Area ID: Australia-AFMA-SE

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	NULL (pdf not in database)
Recorder	FULTON
Date entered	2008-04-30
Date last loaded	2010-01-19
QA/QC complete	YES
Date approved	2009-06-11

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

primary LME	secondary LME	tertiary LME
42 - Southeast Australian Shelf	na	na

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		

Reference points

Parameter	Value	Units
Blim-MT (TB)	1385.2	MT
SSBmsy-MT (SSB)	3324.48	MT
BH-h-dimless	0.75	dimless
SSB_{2007}/SSB_{msy}	0.590	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1968	1968	1968	1968	1968
Maximum year	2007	2007	2007	2007	2007
Time series minimum	1960.12	135.309	0	4255.74	0
Time series maximum	6926	5165.34	0.0883179	14328.6	1287.1
Units	MT	E03		MT	MT

CSIRO-NZLINGESE-1968-2007-FULTON.pdf
Created on 2010-04-08 12:02:02 ADT

Assessment of Western half of Southeast Australia ling (*Genypterus blacodes*)

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

Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/93

Area ID: Australia-AFMA-WSE

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	NULL (pdf not in database)
Recorder	FULTON
Date entered	2008-04-30
Date last loaded	2010-01-19
QA/QC complete	YES
Date approved	2009-06-11

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

primary LME	secondary LME	tertiary LME
43 - Southwest Australian Shelf	na	na

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		

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

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1968	1968	1968	1968	1968
Maximum year	2007	2007	2007	2007	2007
Time series minimum	3660.27	367.481	0	7758.25	0
Time series maximum	7660.06	6189.74	0.0499884	17356.5	922
Units	MT	E03		MT	MT

Assessment of New Zealand Areas LIN 6b ling (*Genypterus blacodes*)

Assessment ID:NZMFishMIDDEPTHSWG-NZLINGLIN6b-1980-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/158

Area ID: New Zealand-MFish-LIN6b

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Middle Depths Working Group
Assessment authors	
Assessment method	CASAL
Publication year	
Timeseries span	1980-2006
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-03-09
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
46 - New Zealand Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	3	yr
TB-AGE-yr	3	yr
A50-yr	9	yr
M-1/yr	0.18	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSB0-MT (SSB)	12363	MT
MSY-MT (TB)	893.8449	MT
SSBmsy-MT (SSB)	3014.0994	MT
Fmsy-1/yr (F)	0.308	1/yr
BH-h-dimless	0.9	dimless
F_{2006}/F_{msy}	0.113	
SSB_{2006}/SSB_{msy}	2.187	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1980	1980	1980	1980	1980
Maximum year	2006	2002	2006	2006	2006
Time series minimum	6591.52	203.722	0	9387.44	0
Time series maximum	12618.6	1870	0.09172329	16835	1575
Units	MT	E03	1/yr	MT	MT

Assessment of New Zealand Areas LIN 72 ling (*Genypterus blacodes*)

Assessment ID:NZMFishMIDDEPTHSWG-NZLINGLIN72-1972-2007-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/160

Area ID: New Zealand-MFish-LIN72

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Middle Depths Working Group
Assessment authors	NULL
Assessment method	CASAL
Publication year	
Timeseries span	1972-2007
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-03-09
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
46 - New Zealand Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	3	yr
TB-AGE-yr	3	yr
A50-yr	8.75	yr
M-1/yr	0.18	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSB0-MT (SSB)	7929.48	MT
MSY-MT (TB)	515.8919688	MT
SSBmsy-MT (SSB)	1700.080512	MT
Fmsy-1/yr (F)	0.246	1/yr
BH-h-dimless	0.9	dimless
F_{2007}/F_{msy}	0.323	
SSB_{2007}/SSB_{msy}	2.486	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1972	1972	1972	1972	1972
Maximum year	2007	2004	2007	2007	2007
Time series minimum	4227.21	177.858	0	5590.11	0
Time series maximum	7929.48	848.288	0.0942003	9649.14	651
Units	MT	E03	1/yr	MT	MT

Assessment of New Zealand Areas LIN 7WC-WCSI ling (*Genypterus blacodes*)

Assessment ID:NZMFishMIDDEPTHSWG-NZLINGLIN7WC-1972-2008-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/161

Area ID: New Zealand-MFish-LIN7WC-WCSI

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Middle Depths Working Group
Assessment authors	NULL
Assessment method	CASAL
Publication year	
Timeseries span	1972-2008
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-03-09
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
46 - New Zealand Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	3	yr
TB-AGE-yr	3	yr
A50-yr	8.25	yr
M-1/yr	0.22	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSB0-MT (SSB)	81482.4	MT
MSY-MT (TB)	6062.29056	MT
SSBmsy-MT (SSB)	28029.9456	MT
Fmsy-1/yr (F)	0.202	1/yr
BH-h-dimless	0.9	dimless
F_{2008}/F_{msy}	0.134	
SSB_{2008}/SSB_{msy}	2.214	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1972	1972	1972	1972	1972
Maximum year	2008	2005	2008	2008	2008
Time series minimum	49091.7	4010	0	69479.9	0
Time series maximum	81482.4	18400	0.04050748	104298	5015
Units	MT	E03	1/yr	MT	MT

Assessment of New Zealand Areas LIN 3 and 4 ling (*Genypterus blacodes*)

Assessment ID:NZMFishMIDDEPTHSWG-NZLINGLIN3-4-1972-2007-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/157

Area ID: New Zealand-MFish-LIN3-4

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Middle Depths Working Group
Assessment authors	
Assessment method	CASAL
Publication year	
Timeseries span	1972-2007
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-03-09
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
46 - New Zealand Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	3	yr
TB-AGE-yr	3	yr
A50-yr	9	yr
M-1/yr	0.18	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSB0-MT (SSB)	146255	MT
MSY-MT (TB)	9755.2085	MT
SSBmsy-MT (SSB)	30157.781	MT
Fmsy-1/yr (F)	0.354	1/yr
BH-h-dimless	0.9	dimless
F_{2007}/F_{msy}	0.088	
SSB_{2007}/SSB_{msy}	3.069	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1972	1972	1972	1972	1972
Maximum year	2007	2003	2007	2007	2007
Time series minimum	76136.8	6730	0	118300	0
Time series maximum	149018	21900	0.1300457	187345	26049
Units	MT	E03	1/yr	MT	MT

NZMFishMIDDEPTHSWG-NZLINGLIN3-4-1972-2007-JENSEN.pdf
Created on 2010-05-18 12:37:42 ADT

Assessment of New Zealand Areas LIN 5 and 6 ling (*Genypterus blacodes*)

Assessment ID:NZMFishMIDDEPTHSWG-NZLINGLIN5-6-1972-2007-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/159

Area ID: New Zealand-MFish-LIN5-6

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Middle Depths Working Group
Assessment authors	NULL
Assessment method	CASAL
Publication year	
Timeseries span	1972-2007
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-03-09
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
46 - New Zealand Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	3	yr
TB-AGE-yr	3	yr
A50-yr	8	yr
M-1/yr	0.18	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSB0-MT (SSB)	259140	MT
MSY-MT (TB)	20497.974	MT
SSBmsy-MT (SSB)	48407.352	MT
Fmsy-1/yr (F)	0.314	1/yr
BH-h-dimless	0.9	dimless
F_{2007}/F_{msy}	0.099	
SSB_{2007}/SSB_{msy}	3.959	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1972	1972	1972	1972	1972
Maximum year	2007	2004	2007	2007	2007
Time series minimum	179574	17300	0	265773	0
Time series maximum	259140	42600	0.0385508	339670	10949
Units	MT	E03	1/yr	MT	MT

NZMFishMIDDEPTHSWG-NZLINGLIN5-6-1972-2007-JENSEN.pdf
Created on 2010-05-18 12:37:44 ADT

Assessment of Barents Sea capelin (*Mallotus villosus*)

Assessment ID:AFWG-CAPENOR-1965-2007-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/362

Area ID: multinational-ICES-I

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Arctic Fisheries Working Group
Assessment authors	Anon
Assessment method	Spreadsheet assessment model used for Capelin
Publication year	2007
Timeseries span	1965-2007
Document	ICES-AFWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-08
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
20 - Barents Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	2+	yr
REC-AGE-yr	1	yr
TB-AGE-yr	1+	yr
M-1/T	AVAILABLE	1/T
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	200000	MT
MORATOR-yr-yr	1986-1991	yr-yr
MORATOR-yr-yr	1993-1999	yr-yr
MORATOR-yr-yr	2004-2006	yr-yr
SSB_{2007}/SSB_{lim}	0.945	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1973	1972		1972	1965
Maximum year	2007	2005		2006	2006
Time series minimum	22000	3000000		107000	0
Time series maximum	643000	1140000000		8841000	2987000
Units	MT	E03		MT	MT

Assessment of Iceland Grounds capelin (*Mallotus villosus*)

Assessment ID:NWWG-CAPEICE-1977-2007-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/374

Area ID: multinational-ICES-Va

General assessment details.

Detail	Value
Management body	ICES
Assessment group	North-Western Working Group
Assessment authors	Anon
Assessment method	acoustic surveys
Publication year	2007
Timeseries span	1977-2007
Document	ICES-NWWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-10
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
59 - Iceland Shelf	na	na

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

Reference points

Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1978	1977		1978	1978
Maximum year	2006	2005		2006	2007
Time series minimum	115000	49000000		975000	0
Time series maximum	830000	251000000		3106000	1571000
Units	MT	E03		MT	MT

Assessment of Georges Bank sea scallop (*Placopecten magellanicus*)

Assessment ID:NEFSC-SCALLGB-1964-2006-HART
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/417

Area ID: USA-NMFS-5Z

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	An AD-Model Builder catch at length model
Publication year	2007
Timeseries span	1964-2006
Document	SeaScallop2007.pdf (pdf in database)
Recorder	HART
Date entered	2009-04-22
Date last loaded	2009-11-08
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
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year		1983	1982	1982	1964
Maximum year		2006	2006	2006	2006
Time series minimum		181000	0.08	5923	821
Time series maximum		1850000	2.35	84106	17286
Units		E03	1/T	MT	MT

NEFSC-SCALLGB-1964-2006-HART.pdf
Created on 2010-02-25 13:53:29 AST

Assessment of Mid-Atlantic Coast sea scallop (*Placopecten magellanicus*)

Assessment ID:NEFSC-SCALLMATLC-1964-2006-HART
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/418

Area ID: USA-NMFS-MATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	An AD-Model Builder catch at length model
Publication year	2007
Timeseries span	1964-2006
Document	SeaScallop2007.pdf (pdf in database)
Recorder	HART
Date entered	2009-04-22
Date last loaded	2010-02-24
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
7 - Northeast U.S. Continental Shelf	na	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year		1976	1975	1975	1964
Maximum year		2006	2006	2006	2006
Time series minimum		71000	0.12	7664	137
Time series maximum		3211000	1.2	85161	24497
Units		E03	1/T	MT	MT

Assessment of North Sea sand lance (*Ammodytes marinus*)

Assessment ID:WGNSSK-SEELNS-1983-2007-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/394

Area ID: multinational-ICES-IV

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1983-2007
Document	ICES-WGNSSK-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-12
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
22 - North Sea	na	na

Parameter	Value	Units
A50-yr	2	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	0	yr
M-1/T	0.2 for 1+	1/T
F-AGE-yr-yr	1-2	yr-yr
TB-AGE-yr	0+	yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	430000	MT
SSBpa-MT (SSB)	600000	MT
SSB_{2007}/SSB_{lim}	1.057	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1983	1983	1983	1983	1983
Maximum year	2007	2006	2007	2007	2007
Time series minimum	169965	77203000	0.21	549532	171790
Time series maximum	1735847	1935600000	0.969	5435685	1114044
Units	MT	E03	1/T	MT	MT

Assessment of New Zealand australian salmon (*Arripis trutta*)

Assessment ID:NIWA-AUSSALMONNZ-1975-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/419

Area ID: New Zealand-MFish-NZ

General assessment details.

Detail	Value
Management body	MFish
Assessment group	National Institute of Water and Atmospheric Research
Assessment authors	
Assessment method	CASAL
Publication year	
Timeseries span	1975-2006
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-03-11
Date last loaded	2010-01-04
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
46 - New Zealand Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
TB-AGE-yr	1+	yr
A50-yr	4	yr
M-1/yr	0.18	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.32	1/yr
SSBmsy-MT (SSB)	12280.7293248	MT
MSY-MT (TB)	3371.82	MT
SSB0-MT (SSB)	47128.15	MT
BH-h-dimless	0.875	dimless
F_{2006}/F_{msy}	0.328	
SSB_{2006}/SSB_{msy}	1.645	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1975	1975	1975	1975	1975
Maximum year	2006	2005	2006	2006	2006
Time series minimum	19900	3200	0.0305	22400	1400
Time series maximum	47100	10800	0.217	48200	5620
Units	MT	E03	1/yr	MT	MT

NIWA-AUSSALMONNZ-1975-2006-JENSEN.pdf
Created on 2010-05-18 12:37:15 ADT

Assessment of New Zealand Areas TRE 7 trevally (*Pseudocaranx dentex*)

Assessment ID:NZMFishINSHOREWG-TREVALLYTRE7-1944-2005-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/189

Area ID: New Zealand-MFish-TRE7

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Inshore Working Group
Assessment authors	
Assessment method	CASAL
Publication year	
Timeseries span	1944-2005
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-03-09
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
46 - New Zealand Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
TB-AGE-yr	1	yr
A50-yr	5	yr
M-1/yr	0.1	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.113	1/yr
MSY-MT (TB)	2170.41121	MT
SSBmsy-MT (SSB)	15634.89433	MT
SSB0-MT (SSB)	56668.7	MT
BH-h-dimless	0.75	dimless
F_{2005}/F_{msy}	0.830	
SSB_{2005}/SSB_{msy}	1.437	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1944	1944	1944	1944	1944
Maximum year	2005	2004	2005	2005	2005
Time series minimum	21986.7	1940	0.0005609535	28199.1	34
Time series maximum	56775.6	8390	0.1111157	63741.4	3495
Units	MT	E03	1/yr	MT	MT

NZMFishINSHOREWG-TREVALLYTRE7-1944-2005-JENSEN.pdf
Created on 2010-05-18 12:37:26 ADT

Assessment of Gulf of Mexico greater amberjack (*Seriola dumerili*)

Assessment ID:SEFSC-GRAMBERGM-1986-2004-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/20

Area ID: USA-NMFS-GM

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	NULL
Assessment method	Surplus production model
Publication year	2006
Timeseries span	1986-2004
Document	JENSEN_GRAMBERGM_2006.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2008-11-19
Date last loaded	2010-03-16
QA/QC complete	YES
Date approved	2010-03-16

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		
SSB-AGE-yr		
SSB-SEX-sex		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
SSBmsy-MT (SSB)	4024.721816	MT
Flim-1/yr (F)	0.5679	1/yr
Fmsy-1/T (F)	0.5679	1/T
MSY-MT (TB)	2285.650088	MT
F_{2004}/F_{lim}	1.514	
F_{2004}/F_{msy}	1.514	

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year			1986	1986	1986
Maximum year			2004	2004	2004
Time series minimum			0.48	1045.53	842.32
Time series maximum			1.28	5724.33	4085.05
Units			1/yr	MT	MT

No recruitment data available

No SSB−recruit data available

SEFSC-GRAMBERGM-1986-2004-JENSEN.pdf
Created on 2010-05-18 12:38:08 ADT

Assessment of Southern Atlantic coast greater amberjack (*Seriola dumerili*)

Assessment ID:SEFSC-GRAMBERSATLC-1946-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/70

Area ID: USA-NMFS-SATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	NULL
Assessment method	Statistical catch-at-age model
Publication year	2008
Timeseries span	1946-2006
Document	JENSEN_GRAMBERSATLC_2008.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2008-11-23
Date last loaded	2010-02-12
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
6 - Southeast U.S. Continental Shelf	na	na

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

Reference points

Parameter	Value	Units
Blim-MT (TB)	1455	MT
Bmsy-MT (TB)	5491	MT
Flim-1/yr (F)	0.424	1/yr
Fmsy-1/T (F)	0.424	1/T
MSY-MT (TB)	2005	MT
SSBmsy-MT (SSB)	1940	MT
F_{2006}/F_{lim}	0.542	
TB_{2006}/B_{msy}	1.023	
F_{2006}/F_{msy}	0.542	
SSB_{2006}/SSB_{msy}	1.096	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1946	1946	1947	1946	
Maximum year	2006	2005	2006	2006	
Time series minimum	2071.47	125.609	0	5616.53	
Time series maximum	6297.2	1054.1	0.55	14597.1	
Units	MT	E03	1/yr	MT	

SEFSC-GRAMBERSATLC-1946-2006-JENSEN.pdf
Created on 2010-05-18 12:38:10 ADT

Assessment of South Africa South coast cape horse mackerel (*Trachurus capensis*)

Assessment ID:MARAM-CTRACSA-1950-2007-Johnston
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/134

Area ID: South Africa-DETMCM-SASC

General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Management Group, Department of Mathematics and Applied Mathematics, University of Cape Town, Rondebosch, 7701, South Africa
Assessment authors	Johnston SJ
Assessment method	Age-structured surplus production model
Publication year	
Timeseries span	1950-2007
Document	Johnston-SAHorseMackerel-2007.pdf (pdf in database)
Recorder	Johnston
Date entered	2009-02-12
Date last loaded	2009-03-17
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
30 - Agulhas Current	na	na

Parameter	Value	Units
REC-AGE-yr	0	yr
F-AGE-yr-yr	0-10	yr-yr
A50-yr	3	yr
M-1/yr	0.3	1/yr
SSB-AGE-yr		
TB-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Blim-MT (SSB)	418631	MT
SSB0-MT (SSB)	1010700	MT
R0-E00	166623000	E00
BH-h-dimless	0.6	dimless
SSB_{2007}/B_{lim}	1.561	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1950	1950	1950	1950	1950
Maximum year	2007	2007	2007	2007	2007
Time series minimum	418631	1348400	0.013	469844	8693
Time series maximum	1010700	1666230	0.171	1045060	120650
Units	MT	E03	1/yr	MT	MT

Assessment of Chilean EEZ and offshore chilean jack mackerel (*Trachurus murphyi*)

Assessment ID:IFOP-CHTRACCH-1975-2007-JENSEN

Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/424

Area ID: multinational-SPRFMO-CH

General assessment details.

Detail	Value
Management body	SPRFMO
Assessment group	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute
Assessment authors	Canales, Cristian
Assessment method	Unknown
Publication year	2008
Timeseries span	1975-2007
Document	JENSEN-JACKMACKCH-2008.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-11-07
Date last loaded	2009-11-08
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
13 - Humboldt Current	na	na

Parameter	Value	Units
A50-yr	5	yr
M-1/yr	0.23	1/yr
REC-AGE		
SSB-AGE-yr		
SSB-SEX-sex		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1975			1975	1975
Maximum year	2007			2007	2006
Time series minimum	1203600			2922000	274900
Time series maximum	19684800			28194600	4180300
Units	MT			MT	MT

No recruitment data available

No SSB−recruit data available

IFOP-CHTRACCH-1975-2007-JENSEN.pdf
Created on 2010-05-18 12:37:11 ADT

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

Assessment ID:CSIRO-WAREHOUESE-1984-2006-FULTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/101

Area ID: Australia-AFMA-ESE

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	NULL (pdf not in database)
Recorder	FULTON
Date entered	2008-04-30
Date last loaded	2010-01-19
QA/QC complete	YES
Date approved	2009-06-11

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

primary LME	secondary LME	tertiary LME
42 - Southeast Australian Shelf	na	na

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		

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

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	662.813	425.674	0	1040.75	0
Time series maximum	12693.7	14295.7	0.196514	16808.9	2563.853
Units	MT	E03		MT	MT

CSIRO-WAREHOUESE-1984-2006-FULTON.pdf
Created on 2010-04-08 12:02:15 ADT

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

Assessment ID:CSIRO-WAREHOUWSE-1984-2006-FULTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/97

Area ID: Australia-AFMA-WSE

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	NULL (pdf not in database)
Recorder	FULTON
Date entered	2008-04-30
Date last loaded	2010-01-19
QA/QC complete	YES
Date approved	2009-06-11

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

primary LME	secondary LME	tertiary LME
43 - Southwest Australian Shelf	na	na

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		

Reference points

Parameter	Value	Units
Blim-MT (TB)	653.4	MT
SSBmsy-MT (SSB)	1568.16	MT
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

CSIRO-WAREHOUWSE-1984-2006-FULTON.pdf
Created on 2010-04-08 12:02:17 ADT

Assessment of Southeast Australia silverfish (*Seriolella punctata*)

Assessment ID:CSIRO-SILVERFISHSE-1978-2006-FULTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/91

Area ID: Australia-AFMA-SE

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	NULL (pdf not in database)
Recorder	FULTON
Date entered	2008-04-30
Date last loaded	2009-06-12
QA/QC complete	YES
Date approved	2009-06-11

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

primary LME	secondary LME	tertiary LME
42 - Southeast Australian Shelf	na	na

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		

Reference points		
Parameter	Value	Units
Blim-MT (TB)	4136.44	MT
SSBmsy-MT (SSB)	9927.456	MT
BH-h-dimless	0.75	dimless
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 jackass morwong (*Nemadactylus macropterus*)

Assessment ID:CSIRO-MORWONGSE-1913-2007-FULTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/90

Area ID: Australia-AFMA-SE

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	NULL (pdf not in database)
Recorder	FULTON
Date entered	2008-04-30
Date last loaded	2009-06-11
QA/QC complete	YES
Date approved	2009-06-11

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

primary LME	secondary LME	tertiary LME
42 - Southeast Australian Shelf	na	na

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		

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

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1913	1913	1913	1913	1913
Maximum year	2007	2007	2007	2007	2007
Time series minimum	3011.69	1496.92	0	5002.88	0
Time series maximum	23922.1	47480.1	0.193278	30566.5	2709
Units	MT	E03		MT	MT

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

Assessment ID:CSIRO-GEMFISHSE-1966-2007-FULTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/88

Area ID: Australia-AFMA-SE

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	NULL (pdf not in database)
Recorder	FULTON
Date entered	2008-04-30
Date last loaded	2009-06-11
QA/QC complete	YES
Date approved	2009-04-22

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

primary LME	secondary LME	tertiary LME
42 - Southeast Australian Shelf	na	na

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

Reference points		
Parameter	Value	Units
Blim-MT (TB)	2274.3	MT
SSBmsy-MT (SSB)	5458.32	MT
BH-h-dimless	0.75	dimless
SSB_{2007}/SSB_{msy}	0.249	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1966	1966	1966	1966	1966
Maximum year	2007	2007	2007	2007	2007
Time series minimum	717.45	527.877	0	1929.18	0
Time series maximum	11729.3	51881.3	0.068202	38665.4	6672
Units	MT	E03		MT	MT

Assessment of New Zealand common gemfish (*Rexea solandri*)

Assessment ID:NZMFishMIDDEPTHSWG-GEMFISHNZ-1952-2007-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/182

Area ID: New Zealand-MFish-NZ

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Middle Depths Working Group
Assessment authors	
Assessment method	CASAL
Publication year	
Timeseries span	1952-2007
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-03-11
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
46 - New Zealand Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
TB-AGE-yr	1	yr
A50-yr	8	yr
M-1/yr	0.24	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
SSB0-MT (SSB)	11484.6666666667	MT
MSY-MT (TB)	1432.04273333333	MT
SSBmsy-MT (SSB)	1803.02616666667	MT
Fmsy-1/yr (F)	0.289566666666667	1/yr
BH-h-dimless	0.9	dimless
F_{2007}/F_{msy}	0.429	
SSB_{2006}/SSB_{msy}	1.636	

Time series minima and maxima				
	SSB	R	F	TB
Minimum year	1952	1952	1952	1952
Maximum year	2006	2005	2007	2006
Time series minimum	2825.23	408.241333333333	0.00153075366666667	7086.31
Time series maximum	11450.2	8519.18333333333	0.188977266666667	23459.0666666667
Units	MT	E03	1/yr	MT

NZMFishMIDDEPTHSWG-GEMFISHNZ-1952-2007-JENSEN.pdf
Created on 2010-05-18 12:37:40 ADT

Assessment of Rhode Island tautog (*Tautoga onitis*)

Assessment ID:RIDEM-TAUTOGRI-1959-2007-COLLIE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/313

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
Assessment method	Age-aggregated surplus production model
Publication year	2008
Timeseries span	1959-2007
Document	NULL (pdf not in database)
Recorder	COLLIE
Date entered	2008-04-12
Date last loaded	2009-05-14
QA/QC complete	YES
Date approved	2009-05-14

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
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
MSY-MT (TB)	369.56	MT
Fmsy-1/yr (F)	0.292	1/yr
Fext-1/yr (F)	0.584	1/yr
Bmsy-MT (TB)	1562	MT
TB_{2007}/B_{msy}	0.729	
F_{2006}/F_{msy}	0.620	

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 Southern Atlantic coast and Gulf of Mexico mutton snapper (*Lutjanus analis*)

Assessment ID:SEFSC-MUTSNAPSATLCGM-1981-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/85

Area ID: USA-NMFS-SATLCGM

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	
Assessment method	Statistical catch-at-age model
Publication year	2008
Timeseries span	1981-2006
Document	JENSEN_MUTSNAPSATLCGM_2008.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2008-11-25
Date last loaded	2009-03-25
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
A50-yr	3.7	yr
M-1/yr	0.11	1/yr
REC-AGE		
SSB-AGE-yr		
SSB-SEX-sex		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/T (F)	0.340	1/T
MSY-MT (TB)	688	MT
SSBmsy-MT (SSB)	6296	MT
SSB_{2006}/SSB_{msy}	1.135	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1981	1981		1981	
Maximum year	2006	2005		2006	
Time series minimum	2997.36	462.157		3806.68	
Time series maximum	7145.87	2402.66		9573.19	
Units	MT	E03		MT	

Assessment of Southern Atlantic coast red snapper (*Lutjanus campechanus*)

Assessment ID:SEFSC-RSNAPSATLC-1945-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/69

Area ID: USA-NMFS-SATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	NULL
Assessment method	Statistical catch-at-age model
Publication year	2008
Timeseries span	1945-2006
Document	JENSEN_RSNAPSATLC_2008.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2008-11-22
Date last loaded	2009-03-25
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	na	na

Parameter	Value	Units
SSB-SEX-sex	1	sex
M-1/yr	0.078	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Blim-FemaleGonadMT	7275	FemaleGonadMT
Flim-1/yr (F)	0.841	1/yr
Fmsy-1/T (F)	0.07	1/T
MSY-MT (TB)	1049.61	MT
SSBmsy-MT (SSB)	7.89E+03	MT
F_{2006}/F_{lim}	1.001	
F_{2006}/F_{msy}	12.021	
SSB_{2006}/SSB_{msy}	0.025	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1945	1945	1945	1945	
Maximum year	2006	2005	2006	2006	
Time series minimum	121.502	126.576	0.00411	412.95	
Time series maximum	13256.2	750.12	1.30281	27822.6	
Units	MT	E03	1/yr	MT	

SEFSC-RSNAPSATLC-1945-2006-JENSEN.pdf
Created on 2010-05-18 12:38:23 ADT

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

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

Area ID: USA-NMFS-EGM

General assessment details.

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

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

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

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

Reference points

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

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

SEFSC-RSNAPEGM-1872-2003-STANTON.pdf
Created on 2010-05-12 14:37:31 ADT

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

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

Area ID: USA-NMFS-WGM

General assessment details.

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

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

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

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

Reference points

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

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

SEFSC-RSNAPWGM-1880-2003-STANTON.pdf
Created on 2010-05-12 14:37:33 ADT

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

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

Area ID: USA-NMFS-SATLCGM

General assessment details.

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

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

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

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

Reference points

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

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

SEFSC-YTSNAPSATLCGM-1962-2001-STANTON.pdf
Created on 2010-05-12 14:37:40 ADT

Assessment of Gulf of Mexico vermilion snapper (*Rhomboplites aurorubens*)

Assessment ID:SEFSC-VSNAPGM-1981-2004-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/19

Area ID: USA-NMFS-GM

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	NULL
Assessment method	Age-structured surplus production model
Publication year	2006
Timeseries span	1981-2004
Document	JENSEN_VSNAPGM_2006.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2008-11-19
Date last loaded	2010-03-16
QA/QC complete	YES
Date approved	2010-03-08

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
M-1/T	AVAILABLE	1/T
REC-AGE		
SSB-AGE-yr		
SSB-SEX-sex		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
SSBlim-E00eggs	7.14E+13	E00eggs
Flim-1/yr (F)	0.79	1/yr
Fmsy-1/T (F)	0.81	1/T
MSY-MT (TB)	3374.72	MT
SSBmsy-E03eggs	68800000000	E03eggs
SSB_{2004}/SSB_{lim}	0.001	
F_{2004}/F_{lim}	0.618	
F_{2004}/F_{msy}	0.602	
SSB_{2004}/SSB_{msy}	1.520	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1981	1981	1981		1981
Maximum year	2004	2003	2004		2004
Time series minimum	80395000000	10800	0.288		206.23
Time series maximum	212030000000	43700	0.619		1766.47
Units	E03eggs	E03	1/yr		MT

SEFSC-VSNAPGM-1981-2004-JENSEN.pdf
Created on 2010-05-18 12:38:26 ADT

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

SEFSC-VSNAPSATLC-1946-2008-STANTON.pdf
Created on 2010-05-12 14:37:38 ADT

Assessment of Mid-Atlantic Coast tilefish (*Lopholatilus chamaeleonticeps*)

Assessment ID:NEFSC-TILEMATLC-1973-2008-NITSCHKE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/315

Area ID: USA-NMFS-MATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Surplus production model
Publication year	2005
Timeseries span	1973-2008
Document	Tilefish2005.pdf (pdf in database)
Recorder	NITSCHKE
Date entered	2009-04-22
Date last loaded	2009-11-08
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	na

Parameter	Value	Units
A50-yr	4.5	yr
L50-cm	46	cm
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		

Reference points

Parameter	Value	Units
Fmax-1/yr (F)	0.138	1/yr
F40%-1/T	0.08	1/T

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1973	1973	1973
Maximum year			2004	2005	2008
Time series minimum			0.037	2492	394
Time series maximum			0.855	13850	3968
Units			1/T	MT	MT

No recruitment data available

No SSB−recruit data available

NEFSC-TILEMATLC-1973-2008-NITSCHKE.pdf
Created on 2010-02-25 13:53:45 AST

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 in database)
Recorder	STANTON
Date entered	2009-05-29
Date last loaded	2010-03-17
QA/QC complete	YES
Date approved	2010-03-17

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

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

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

Reference points

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

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

Assessment of Gulf of Maine / Cape Hatteras striped bass (*Morone saxatilis*)

Assessment
ID:NEFSC-STRIPEDBASSGOMCHATT-1982-2006-SHEPHERD
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/298

Area ID: USA-NMFS-5YCHATT

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1982-2006
Document	07AssessmentReport.pdf (pdf in database)
Recorder	SHEPHERD
Date entered	2009-04-29
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
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	6+	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	8-11	yr-yr
TB-AGE-yr	0+	yr
A50-yr	6	yr
M-1/T	0.15	1/T
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/T (F)	0.33	1/T
MSY-MT (TB)	17823	MT
F_{2006}/F_{msy}	0.939	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1982	1982		1982
Maximum year	2006	2005	2006		2006
Time series minimum	2420.67	3275.23	0.08		426.8
Time series maximum	56464	22279.1	0.45		16887.34
Units	MT	E03	1/T		MT

NEFSC-STRIPEDBASSGOMCHATT-1982-2006-SHEPHERD.pdf
Created on 2010-02-25 13:53:42 AST

Assessment of South Africa Subantarctic Prince Edward Islands patagonian toothfish (*Dissostichus eleginoides*)

Assessment ID:MARAM-PTOOTHFISHPEI-1960-2008-DEDECKER
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/199

Area ID: South Africa-DETMCM-PEI

General assessment details.

Detail	Value
Management body	DETMCM
Assessment group	Marine Resource Assessment and Management Group, Department of Mathematics and Applied Mathematics, University of Cape Town, Rondebosch, 7701, South Africa
Assessment authors	Brandao, A
Assessment method	Age-structured surplus production model
Publication year	2007
Timeseries span	1960-2008
Document	Branch-SA-Toothfish-2007.pdf (pdf in database)
Recorder	DEDECKER
Date entered	2009-03-05
Date last loaded	2009-12-07
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
-96 - Subantarctic High Seas	na	na

Parameter	Value	Units
SSB-AGE-yr	13+	yr
REC-AGE-yr	0	yr
TB-AGE-yr	6+	yr
A50-yr	13	yr
M-1/yr	0.13	1/yr
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBmsy-MT (SSB)	5678	MT
SSB0-MT (SSB)	28111	MT
MSY-MT (TB)	2366	MT
BH-h-dimless	0.75	dimless
SSB_{2008}/SSB_{msy}	1.812	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1960	1960	1960	1960	1960
Maximum year	2008	2007	2007	2008	2007
Time series minimum	10288.9	123205000	0	13993.9	0
Time series maximum	33635.4	3975250000	0.524	46337.7	24271.2
Units	MT	E03	1/yr	MT	MT

Assessment of Ross Sea antarctic toothfish (*Dissostichus mawsoni*)

Assessment ID:CCAMLR-ATOOTHFISHRS-1995-2007-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/420

Area ID: multinational-CCAMLR-RS

General assessment details.

Detail	Value
Management body	CCAMLR
Assessment group	Commission for the Conservation of Antarctic Marine Living Resources
Assessment authors	A. Dunn
Assessment method	CASAL
Publication year	
Timeseries span	1995-2007
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-04-07
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
-96 - Subantarctic High Seas	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
TB-AGE-yr	1	yr
A50-yr	9.25	yr
M-1/yr	0.13	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.136	1/yr
MSY-MT (TB)	3105.3982	MT
Bmsy-MT (TB)	18802.1604	MT
SSB0-MT (SSB)	70738	MT
BH-h-dimless	0.75	dimless
TB_{2007}/B_{msy}	4.030	
F_{2007}/F_{msy}	0.322	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1995	1995	1995	1995	1995
Maximum year	2007	2006	2007	2007	2007
Time series minimum	57865.8	983	0	75776.5	0
Time series maximum	70738	997	0.04382281	89269.9	3206.99
Units	MT	E03	1/yr	MT	MT

CCAMLR-ATOOTHFISHRS-1995-2007-JENSEN.pdf
Created on 2010-05-18 12:36:52 ADT

Assessment of Atlantic Coast bluefish (*Pomatomus saltatrix*)

Assessment ID:NEFSC-BLUEFISHATLC-1981-2007-SHEPHERD
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/303

Area ID: USA-NMFS-ATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Age Structured Assessment Program
Publication year	2006
Timeseries span	1981-2007
Document	final-2005-SAW-41-assessment.pdf (pdf in database)
Recorder	SHEPHERD
Date entered	2009-04-30
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
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	2+	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	01-Jan	yr-yr
TB-AGE-yr	0+	yr
A50-yr	2	yr
M-1/T	0.2	1/T
M		
L50-cm		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	147052	MT
Fmsy-1/T (F)	0.19	1/T
MSY-MT (TB)	15565	MT
TB_{2007}/B_{msy}	1.046	
F_{2007}/F_{msy}	0.789	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1982	1982	1982	1981
Maximum year	2007	2007	2007	2007	2007
Time series minimum	77	11900	0.13	89812	8264
Time series maximum	335	50100	0.36	365924	52688
Units	MT	E03	1/T	MT	MT

Assessment of Atlantic Coast weakfish (*Cynoscion regalis*)

Assessment ID:NEFSC-WEAKFISHATLC-1980-2008-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	Northeast Regional Stock Assessment Workshop
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	1980-2008
Document	NEFSC-Weakfish-2009.pdf (pdf in database)
Recorder	STANTON
Date entered	2010-04-11
Date last loaded	2010-03-26
QA/QC complete	NO
Date approved	

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

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

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

Reference points

Parameter	Value	Units
SSBmsy-MT (SSB)	10179	MT
SSB_{2008}/SSB_{msy}	0.786	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1980			1981	1981
Maximum year	2008			2008	2008
Time series minimum	8000			1369	899
Time series maximum	213000			28826	20417
Units	MT			MT	MT

No recruitment data available

No SSB−recruit data available

NEFSC-WEAKFISHATLC-1980-2008-STANTON.pdf
Created on 2010-05-12 14:37:09 ADT

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

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

Area ID: USA-NMFS-MATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Atlantic States Marine Fisheries Commission
Assessment authors	
Assessment method	Age-structured surplus production model
Publication year	2004
Timeseries span	1973-2002
Document	2004_ASMFC_AtlCroak.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-08-13
Date last loaded	2009-11-03
QA/QC complete	NO
Date approved	

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

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

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

Reference points

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

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

ASMFC-ATLCROAKMATLC-1973-2002-STANTON.pdf
Created on 2010-05-12 14:37:02 ADT

Assessment of Central Western Pacific skipjack tuna (*Katsuwonus pelamis*)

Assessment ID:SPC-SKJCWPAC-1972-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/15

Area ID: USA-NMFS-CWPAC

General assessment details.

Detail	Value
Management body	WCPFC
Assessment group	Secretariat of the Pacific Community
Assessment authors	Langley, Adam
Assessment method	A length-based, age and spatially-structured model for fisheries stock assessment
Publication year	2008
Timeseries span	1972-2006
Document	SC4-SA-WP4-SKJ-Assessment-rev1-skipjack.pdf (pdf in database)
Recorder	JENSEN
Date entered	2008-11-18
Date last loaded	2010-05-04
QA/QC complete	NO
Date approved	2010-05-04

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

primary LME	secondary LME	tertiary LME
-99 - Pacific High Seas	na	na

Parameter	Value	Units
A50-yr	0.3125	yr
M-1/T	AVAILABLE	1/T
REC-AGE		
SSB-AGE-yr		
SSB-SEX-sex		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Bmsy-MT (TB)	1,438,000	MT
Umsy-ratio (U)	0.8900	ratio
MSY-MT (TB)	1,279,600	MT
SSBmsy-MT (SSB)	894200	MT
TB_{2006}/B_{msy}	4923525.000	
SSB_{2006}/SSB_{msy}	4.378	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1972	1972	1972	1972	1972
Maximum year	2006	2006	2006	2006	2006
Time series minimum	2161842.5	1807470	0.04	2582900	114138.2
Time series maximum	4379400	6784900	0.31	5024875	1339779
Units	MT	E03	ratio	MT	MT

SPC-SKJCWPAC-1972-2006-JENSEN.pdf
Created on 2010-05-18 12:38:34 ADT

Assessment of Eastern Atlantic skipjack tuna (*Katsuwonus pelamis*)

Assessment ID:ICCAT-SKJEATL-1950-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/254

Area ID: multinational-ICCAT-EATL

General assessment details.

Detail	Value
Management body	ICCAT
Assessment group	International Commission for the Conservation of Atlantic Tunas
Assessment authors	
Assessment method	Bayesian Surplus Production Model
Publication year	2008
Timeseries span	1950-2006
Document	JENSEN_YFINATL-2008.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2009-04-11
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
-98 - Atlantic High Seas	na	na

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

Reference points

Parameter	Value	Units
Fmsy-1/T (F)	0.636753571828511	1/T
MSY-MT (TB)	225796	MT
Bmsy-MT (TB)	384159	MT
B0-MT	768318	MT
TB_{2006}/B_{msy}	1.708	
F_{2006}/F_{msy}	0.270	

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year			1950	1950	1950
Maximum year			2006	2006	2006
Time series minimum			0.000223689689387923	616733.53	176
Time series maximum			0.282733661203231	768026.51	186329.21
Units			1/T	MT	MT

No recruitment data available

No SSB−recruit data available

ICCAT-SKJEATL-1950-2006-JENSEN.pdf
Created on 2010-05-18 12:37:00 ADT

Assessment of Western Atlantic skipjack tuna (*Katsuwonus pelamis*)

Assessment ID:ICCAT-SKJWATL-1952-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/253

Area ID: multinational-ICCAT-WATL

General assessment details.

Detail	Value
Management body	ICCAT
Assessment group	International Commission for the Conservation of Atlantic Tunas
Assessment authors	
Assessment method	Bayesian Surplus Production Model
Publication year	2008
Timeseries span	1952-2006
Document	JENSEN_YFINATL-2008.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2009-04-11
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
-98 - Atlantic High Seas	na	na

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

Reference points

Parameter	Value	Units
Fmsy-1/T (F)	0.489367075307683	1/T
MSY-MT (TB)	57815	MT
Bmsy-MT (TB)	100052	MT
B0-MT	200104	MT
TB_{2006}/B_{msy}	1.671	
F_{2006}/F_{msy}	0.323	

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year			1952	1952	1952
Maximum year			2006	2006	2006
Time series minimum			0.0063272611699945	156798.05	1229
Time series maximum			0.256188321434316	194191.85	40272.31
Units			1/T	MT	MT

No recruitment data available

No SSB−recruit data available

ICCAT-SKJWATL-1952-2006-JENSEN.pdf
Created on 2010-05-18 12:37:02 ADT

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
SSB-AGE-yr	3+	yr
REC-AGE-yr	0	yr
TB-AGE-yr	1+	yr
M-1/yr	0.5	1/yr
NATMORT-1/yr	0.5	1/yr
SSB-SEX-sex		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
NATMORT-1/yr (M)	0.5	1/yr
MSY-MT (TB)	51772	MT
SSBlim-MT (SSB)	29420	MT
MSY-MT (TB)	23048.2	MT
SSBmsy-MT (SSB)	122357	MT
SSB0-MT (SSB)	182791	MT
BH-h-dimless	0.315471	dimless
SSB_{2008}/SSB_{lim}	2.827	
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

SWFSC-CMACKPCOAST-1929-2008-PINSKY.pdf
Created on 2010-04-13 11:58:25 ADT

Assessment of IIa-IIIabd-IV-Vb-VI-VII-VIIIabcde-XII-XIV-Ixa mackerel (*Scomber scombrus*)

Assessment ID:WGMHSA-MACKNEICES-1972-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/48

Area ID:

multinational-ICES-IIa-IIIabd-IV-Vb-VI-VII-VIIIabcde-XII-XIV-Ixa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Mackerel
Assessment authors	Anon
Assessment method	Integrated Catch-at-age Analysis
Publication year	2007
Timeseries span	1972-2007
Document	ICES-WGMHSA07.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-21
Date last loaded	2010-03-11
QA/QC complete	YES
Date approved	2009-05-28

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	25 - Iberian Coastal	22 - North Sea

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	4 to 8	yr-yr
TB-AGE-yr	0+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.15	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Flim-1/T (F)	0.27	1/T
Fpa-1/T (F)	0.17	1/T
SSBpa-MT (SSB)	2300000	MT
F_{2006}/F_{lim}	0.957	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1972	1972	1972	1972	1972
Maximum year	2006	2006	2006	2006	2006
Time series minimum	1672164	962290	0.0188	2556921	361262
Time series maximum	3995311	8899180	0.4566	5295849	842739
Units	MT	E03	1/T	MT	MT

Assessment of Gulf of Maine / Cape Hatteras mackerel (*Scomber scombrus*)

Assessment ID:NEFSC-MACKGOMCHATT-1960-2005-OVERHOLTZ
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/299

Area ID: USA-NMFS-5YCHATT

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Virtual Population Analysis
Publication year	2006
Timeseries span	1960-2005
Document	AtlanticMackerel2005.pdf (pdf in database)
Recorder	OVERHOLTZ
Date entered	2009-04-29
Date last loaded	2009-05-26
QA/QC complete	NO
Date approved	

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

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

Parameter	Value	Units
SSB-AGE-yr	2+	yr
REC-AGE-yr	1	yr
A50-yr	1.9	yr
L50-cm	25.85	cm
M-1/yr	0.2	1/yr
TB-AGE-yr		
F-AGE-yr		
M		

Reference points		
Parameter	Value	Units
F0.1-1/yr (F)	0.25	1/yr
Fmsy-1/yr (F)	0.16	1/yr
F40%-1/T	0.24	1/T
SSBmsy-MT (SSB)	644000	MT
MSY-MT (TB)	89000	MT
F_{2004}/F_{msy}	0.311	
SSB_{2004}/SSB_{msy}	3.607	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1962	1962	1962		1960
Maximum year	2004	2003	2004		2005
Time series minimum	298218	108962	0.0147906		6841
Time series maximum	2353680	5853030	0.536505		436698
Units	MT	E03	1/T		MT

NEFSC-MACKGOMCHATT-1960-2005-OVERHOLTZ.pdf
Created on 2010-02-25 13:53:13 AST

Assessment of Gulf of Mexico king mackerel (*Scomberomorus cavalla*)

Assessment ID:SEFSC-KMACKGM-1992-2001-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/71

Area ID: USA-NMFS-GM

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	NULL
Assessment method	Virtual Population Analysis
Publication year	2004
Timeseries span	1992-2001
Document	JENSEN_KMACKGMSATLC_2004.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2008-11-23
Date last loaded	2010-03-05
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
5 - Gulf of Mexico	na	na

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

Reference points

Parameter	Value	Units
Fmsy-1/T (F)	0.269	1/T
MSY-MT (TB)	5178.659864	MT
SSBmsy-E03eggs	6385000000	E03eggs
F_{2001}/F_{msy}	0.595	
SSB_{2001}/SSB_{msy}	0.930	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1992	1992	1992	1992	1992
Maximum year	2001	2001	2001	2001	2001
Time series minimum	4830000000	2080	0.12	31433.93	3184.22
Time series maximum	5940000000	5270	0.21	36033.35	4921.47
Units	E03eggs	E03	1/yr	MT	MT

SEFSC-KMACKGM-1992-2001-JENSEN.pdf
Created on 2010-05-18 12:38:13 ADT

Assessment of Southern Atlantic coast king mackerel (*Scomberomorus cavalla*)

Assessment ID:SEFSC-KMACKSATLC-1981-2001-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/72

Area ID: USA-NMFS-SATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	
Assessment method	Virtual Population Analysis
Publication year	2004
Timeseries span	1981-2001
Document	JENSEN_KMACKGMSATLC_2004.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2008-11-23
Date last loaded	2009-03-25
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	na	na

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

Reference points

Parameter	Value	Units
Fmsy-1/T (F)	0.29	1/T
MSY-MT (TB)	2576.40	MT
SSBmsy-E03eggs	2930000000	E03eggs
F_{2001}/F_{msy}	0.448	
SSB_{2001}/SSB_{msy}	1.355	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1992	1991	1992	1992	1981
Maximum year	2001	2000	2001	2001	2001
Time series minimum	2980000000	320	0.13	14782.56	2567.33
Time series maximum	3970000000	2990	0.21	19763	4361.74
Units	E03eggs	E03	1/yr	MT	MT

SEFSC-KMACKSATLC-1981-2001-JENSEN.pdf
Created on 2010-05-18 12:38:15 ADT

Assessment of Southern Atlantic coast spanish mackerel (*Scomberomorus maculatus*)

Assessment ID:SEFSC-SPANMACKSATLC-1950-2008-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/75

Area ID: USA-NMFS-SATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	
Assessment method	Statistical catch-at-age model
Publication year	2008
Timeseries span	1950-2008
Document	JENSEN_SPANMACKSATLC_2008.pdf (pdf in database)
Recorder	JENSEN
Date entered	2008-11-25
Date last loaded	2010-04-30
QA/QC complete	YES
Date approved	2010-04-30

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
REC-AGE		
SSB-AGE-yr		
SSB-SEX-sex		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
Bmsy-MT (TB)	40288	MT
Fmsy-1/yr (F)	0.352	1/yr
MSY-MT (TB)	5941.60	MT
SSBmsy-MT (SSB)	15027	MT
TB_{2008}/B_{msy}	0.467	
F_{2007}/F_{msy}	0.909	
SSB_{2007}/SSB_{msy}	0.377	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1950	1950	1950	1950	1950
Maximum year	2007	2008	2007	2008	2007
Time series minimum	2263	10149.6	0.32	8074	1797.32
Time series maximum	18087	40494.5	1.74	45316	9308.03
Units	MT	E03	1/yr	MT	MT

SEFSC-SPANMACKSATLC-1950-2008-JENSEN.pdf
Created on 2010-05-18 12:38:25 ADT

Assessment of South Pacific Ocean albacore tuna (*Thunnus alalunga*)

Assessment ID:SPC-ALBASPAC-1959-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/57

Area ID: multinational-WCPFC-SPAC

General assessment details.

Detail	Value
Management body	WCPFC
Assessment group	Secretariat of the Pacific Community
Assessment authors	Simon Hoyle
Assessment method	A length-based, age and spatially-structured model for fisheries stock assessment
Publication year	2008
Timeseries span	1959-2006
Document	JENSEN_ALBWPO_2008.pdf (pdf in database)
Recorder	JENSEN
Date entered	2008-10-21
Date last loaded	2010-05-04
QA/QC complete	YES
Date approved	2010-05-04

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

primary LME	secondary LME	tertiary LME
-99 - Pacific High Seas	na	na

Parameter	Value	Units
SSB-SEX-sex	0	sex
A50-yr	5.5	yr
M-1/T	AVAILABLE	1/T
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Umsy-ratio (U)	1.88E-01	ratio
MSY-MT (TB)	63,830	MT
SSBmsy-MT (SSB)	4.04E+04	MT
B0-MT	698000	MT
SSB_{2006}/SSB_{msy}	2.457	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1959	1959	1959	1959	1959
Maximum year	2006	2006	2006	2006	2006
Time series minimum	99278	8295	0	318910	7307.4
Time series maximum	475880	88750	0.18	1476200	72553.5
Units	MT	E03	ratio	MT	MT

SPC-ALBASPAC-1959-2006-JENSEN.pdf
Created on 2010-05-18 12:38:30 ADT

Assessment of Northern Atlantic albacore tuna (*Thunnus alalunga*)

Assessment ID:ICCAT-ALBANATL-1929-2005-WORM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/24

Area ID: multinational-ICCAT-NATL

General assessment details.

Detail	Value
Management body	ICCAT
Assessment group	International Commission for the Conservation of Atlantic Tunas
Assessment authors	Anon.
Assessment method	Virtual Population Analysis
Publication year	2007
Timeseries span	1929-2005
Document	2007-ALB-STOCK-ASSESS-REP.pdf (pdf in database)
Recorder	WORM
Date entered	2008-11-14
Date last loaded	2009-06-04
QA/QC complete	YES
Date approved	2009-06-04

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

primary LME	secondary LME	tertiary LME
-98 - Atlantic High Seas	na	na

Parameter	Value	Units
SSB-AGE-yr	5	yr
SSB-SEX-sex	0	sex
A50-yr	5	yr
L50-cm	90	cm
NATMORT-1/yr	0.3	1/yr
REC-AGE		
TB-AGE-yr		
F-AGE-yr		
M		

Reference points

Parameter	Value	Units
Flim-1/T (F)	0.181	1/T
Fmsy-1/T (F)	0.181	1/T
Fcurrent-1/T (F)	0.272	1/T
NATMORT-1/yr (M)	0.3	1/yr
MSY-MT (TB)	30230	MT
Bmsy-MT (TB)	167000	MT
Brebuild-MT (TB)	167000	MT
F_{2005}/F_{lim}	1.490	
TB_{2005}/B_{msy}	0.813	
F_{2005}/F_{msy}	1.490	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1930	1929	1930	1930	1930
Maximum year	2005	2004	2005	2005	2005
Time series minimum	16138	2770	0.05382	97677	11250
Time series maximum	150260	26950	0.4781	312140	64633.908
Units	MT	E03	1/T	MT	MT

ICCAT-ALBANATL-1929-2005-WORM.pdf
Created on 2010-04-29 09:45:05 ADT

Assessment of Atlantic yellowfin tuna (*Thunnus albacares*)

Assessment ID:ICCAT-YFINATL-1970-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/252

Area ID: USA-NMFS-ATL

General assessment details.

Detail	Value
Management body	ICCAT
Assessment group	International Commission for the Conservation of Atlantic Tunas
Assessment authors	
Assessment method	Virtual Population Analysis
Publication year	2008
Timeseries span	1970-2006
Document	JENSEN-YFINATL-2008.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-04-10
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
-98 - Atlantic High Seas	na	na

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

Reference points

Parameter	Value	Units
Fmsy-1/T (F)	0.73235	1/T
SSBmsy-MT (SSB)	173191.00788815	MT
MSY-MT (TB)	129800	MT
F_{2006}/F_{msy}	0.810	
SSB_{2006}/SSB_{msy}	1.069	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1970	1970	1970	1970	1970
Maximum year	2006	2006	2006	2006	2006
Time series minimum	182867.5	47043.438	0.1775	341600	74447.748
Time series maximum	489994	94386.279	1.0465	684850	193448.27
Units	MT	E03	1/T	MT	MT

ICCAT-YFINATL-1970-2006-JENSEN.pdf
Created on 2010-05-18 12:37:09 ADT

Assessment of Central Western Pacific yellowfin tuna (*Thunnus albacares*)

Assessment ID:SPC-YFINCWPAC-1952-2005-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/60

Area ID: USA-NMFS-CWPAC

General assessment details.

Detail	Value
Management body	WCPFC
Assessment group	Secretariat of the Pacific Community
Assessment authors	Langley, Adam
Assessment method	A length-based, age and spatially-structured model for fisheries stock assessment
Publication year	2007
Timeseries span	1952-2005
Document	WCPFC-SC3-SA-SWG-WP-01.pdf (pdf in database)
Recorder	JENSEN
Date entered	2008-11-18
Date last loaded	2010-05-04
QA/QC complete	YES
Date approved	2010-05-04

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

primary LME	secondary LME	tertiary LME
-99 - Pacific High Seas	na	na

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

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	1489000	MT
Umsy-ratio (U)	0.2686	ratio
MSY-MT (TB)	400,000	MT
SSBmsy-MT (SSB)	679800	MT
TB_{2005}/B_{msy}	1.289	
SSB_{2005}/SSB_{msy}	1.224	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1952	1952	1952	1952	1952
Maximum year	2005	2004	2005	2005	2005
Time series minimum	828000	291000	0.0051	1760000	21038.2
Time series maximum	3580000	952000	0.2458	5880000	449994.9
Units	MT	E03	ratio	MT	MT

SPC-YFINCWPAC-1952-2005-JENSEN.pdf
Created on 2010-05-18 12:38:36 ADT

Assessment of Northeast Pacific yellowfin tuna (*Thunnus albacares*)

Assessment ID:IATTC-YFINEPAC-1975-2007-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/56

Area ID: multinational-IATTC-NEPAC

General assessment details.

Detail	Value
Management body	IATTC
Assessment group	Inter-American Tropical Tuna Commission
Assessment authors	Maunder, Mark
Assessment method	IATTC Statistical Catch at Age and Length Assessment
Publication year	2007
Timeseries span	1975-2007
Document	SAR8-YFT-ENG.pdf (pdf in database)
Recorder	JENSEN
Date entered	2008-04-21
Date last loaded	2009-03-25
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
-99 - Pacific High Seas	na	na

Parameter	Value	Units
REC-AGE-yr	0.50	yr
TB-AGE-yr	1.50	yr
M-1/yr	0.25	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	417813.00	MT
MSY-MT (TB)	289140.00	MT
TB_{2007}/B_{msy}	0.951	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1975	1975		1975	
Maximum year	2007	2006		2007	
Time series minimum	0.27	77206		239493	
Time series maximum	1	312948		835924	
Units	relative	E03		MT	

No exploitation data available

IATTC-YFINEPAC-1975-2007-JENSEN.pdf
Created on 2010-05-18 12:36:56 ADT

Assessment of Atlantic bigeye tuna (*Thunnus obesus*)

Assessment ID:ICCAT-BIGEYEATL-1950-2005-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/245

Area ID: USA-NMFS-ATL

General assessment details.

Detail	Value
Management body	ICCAT
Assessment group	International Commission for the Conservation of Atlantic Tunas
Assessment authors	
Assessment method	Surplus production model
Publication year	2008
Timeseries span	1950-2005
Document	JENSEN-BIGEYEATL-2008.pdf (pdf in database)
Recorder	JENSEN
Date entered	2009-04-10
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
-98 - Atlantic High Seas	na	na

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

Reference points

Parameter	Value	Units
Fmsy-1/T (F)	0.201	1/T
MSY-MT (TB)	90820	MT
Bmsy-MT (TB)	451800	MT
TB_{2005}/B_{msy}	0.898	
F_{2005}/F_{msy}	0.871	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1975	1975	1950	1950	1950
Maximum year	2005	2005	2005	2005	2005
Time series minimum	403425	37844.186	0.001	384400	808
Time series maximum	1009957	73820.329	0.305	903300	132200
Units	MT	E03	1/T	MT	MT

ICCAT-BIGEYEATL-1950-2005-JENSEN.pdf
Created on 2010-05-18 12:36:58 ADT

Assessment of Eastern Pacific bigeye tuna (*Thunnus obesus*)

Assessment ID:IATTC-BIGEYEEPAC-1975-2007-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/87

Area ID: multinational-IATTC-EPAC

General assessment details.

Detail	Value
Management body	IATTC
Assessment group	Inter-American Tropical Tuna Commission
Assessment authors	Alexandre Aires-da-Silva
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1975-2007
Document	JENSEN_BETEPAC_2008.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2008-11-30
Date last loaded	2009-03-25
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
-99 - Pacific High Seas	na	na

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

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	313767.00	MT
MSY-MT (TB)	92758.00	MT
SSBmsy-relative	688	relative
TB_{2007}/B_{msy}	1.084	
SSB_{2007}/SSB_{msy}	0.903	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1975	1975		1975	
Maximum year	2007	2006		2007	
Time series minimum	513	8536		278962	
Time series maximum	1551	33434		614898	
Units	relative	E03		MT	

No exploitation data available

IATTC-BIGEYEEPAC-1975-2007-JENSEN.pdf
Created on 2010-05-18 12:36:54 ADT

Assessment of Indian Ocean bigeye tuna (*Thunnus obesus*)

Assessment ID:IOTC-BIGEYEIO-1957-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/241

Area ID: multinational-IOTC-IO

General assessment details.

Detail	Value
Management body	IOTC
Assessment group	Indian Ocean Tuna Commission
Assessment authors	
Assessment method	Age-structured surplus production model
Publication year	2007
Timeseries span	1957-2006
Document	JENSEN_BIGEYEIO-2007.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2009-04-08
Date last loaded	2009-11-02
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
-97 - Indian High Seas	na	na

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

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.3	1/yr
SSBmsy-MT (SSB)	350000	MT
MSY-MT (TB)	111200	MT
B0-MT	1380000	MT
SSB0-MT (SSB)	1150000	MT
F_{2004}/F_{msy}	0.967	
SSB_{2004}/SSB_{msy}	1.229	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1960		1960		1957
Maximum year	2004		2004		2006
Time series minimum	418300		0.0249		9900
Time series maximum	1258200		0.3153		150500
Units	MT		1/yr		MT

No recruitment data available

No SSB−recruit data available

IOTC-BIGEYEIO-1957-2006-JENSEN.pdf
Created on 2010-05-18 12:37:13 ADT

Assessment of Western Pacific Ocean bigeye tuna (*Thunnus obesus*)

Assessment ID:SPC-BIGEYEWPO-1952-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/59

Area ID: multinational-SPC-WPO

General assessment details.

Detail	Value
Management body	WCPFC
Assessment group	Secretariat of the Pacific Community
Assessment authors	Adam Langley
Assessment method	A length-based, age and spatially-structured model for fisheries stock assessment
Publication year	2008
Timeseries span	1952-2006
Document	SC4-SA-WP1-rev1-bigeye-tuna.pdf (pdf in database)
Recorder	JENSEN
Date entered	2008-10-30
Date last loaded	2010-05-04
QA/QC complete	NO
Date approved	2010-05-04

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

primary LME	secondary LME	tertiary LME
-99 - Pacific High Seas	na	na

Parameter	Value	Units
SSB-SEX-sex	0	sex
A50-yr	3.6	yr
M-1/T	AVAILABLE	1/T
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Bmsy-MT (TB)	249600	MT
Umsy-ratio (U)	0.2588	ratio
MSY-MT (TB)	64,600	MT
SSBmsy-MT (SSB)	102200	MT
TB_{2006}/B_{msy}	1.206	
SSB_{2006}/SSB_{msy}	1.057	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1952	1952	1952	1952	1952
Maximum year	2006	2003	2006	2006	2006
Time series minimum	103000	7820	0.0231	301000	22573.92
Time series maximum	607000	34300	0.4069	1000000	145859.3
Units	MT	E03	ratio	MT	MT

SPC-BIGEYEWPO-1952-2006-JENSEN.pdf
Created on 2010-05-18 12:38:32 ADT

Assessment of Eastern Atlantic atlantic bluefin tuna (*Thunnus thynnus*)

Assessment ID:ICCAT-ATBTUNAEATL-1969-2007-WORM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/128

Area ID: multinational-ICCAT-EATL

General assessment details.

Detail	Value
Management body	ICCAT
Assessment group	International Commission for the Conservation of Atlantic Tunas
Assessment authors	Anon.
Assessment method	Virtual Population Analysis
Publication year	
Timeseries span	1969-2007
Document	2008-BFT-STOCK-ASSESS-REP.pdf (pdf in database)
Recorder	WORM
Date entered	2009-01-22
Date last loaded	2010-02-25
QA/QC complete	YES
Date approved	2009-06-04

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

primary LME	secondary LME	tertiary LME
-98 - Atlantic High Seas	26 - Mediterranean Sea	na

Parameter	Value	Units
SSB-AGE-yr	4	yr
SSB-SEX-sex	0	sex
REC-AGE-yr	1	yr
F-AGE-yr-yr	1-10	yr-yr
A50-yr	4	yr
L50-cm	115	cm
M-1/yr	AVAILABLE	1/yr
TB-AGE-yr		
M		

Reference points		
Parameter	Value	Units
Fmsy-1/T (F)	0.1141685	1/T
Fcurrent-1/T (F)	1.071	1/T
MSY-MT (TB)	49313.8	MT
Bmsy-MT (TB)	495914.5	MT
TB_{2007}/B_{msy}	0.336	
F_{2007}/F_{msy}	9.381	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1970	1969	1970	1970	1970
Maximum year	2007	2007	2007	2007	2007
Time series minimum	78899	758.519	0.15	166431.7	13510.5
Time series maximum	308609	5114.56	1.071	374650.16	60714.66
Units	MT	E03	1/T	MT	MT

Assessment of Western Atlantic atlantic bluefin tuna (*Thunnus thynnus*)

Assessment ID:ICCAT-ATBTUNAWATL-1969-2007-WORM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/23

Area ID: multinational-ICCAT-WATL

General assessment details.

Detail	Value
Management body	ICCAT
Assessment group	International Commission for the Conservation of Atlantic Tunas
Assessment authors	Anon.
Assessment method	Virtual Population Analysis
Publication year	NULL
Timeseries span	1969-2007
Document	2008-BFT-STOCK-ASSESS-REP.pdf (pdf in database)
Recorder	WORM
Date entered	2008-11-14
Date last loaded	2009-06-04
QA/QC complete	YES
Date approved	2009-06-04

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

primary LME	secondary LME	tertiary LME
-98 - Atlantic High Seas	na	na

Parameter	Value	Units
SSB-AGE-yr	8	yr
SSB-SEX-sex	0	sex
REC-AGE-yr	1	yr
F-AGE-yr-yr	1-10	yr-yr
A50-yr	8	yr
L50-cm	190	cm
M-1/yr	0.14	1/yr
NATMORT-1/yr	0.14	1/yr
TB-AGE-yr		
M		

Reference points

Parameter	Value	Units
Flim-1/T (F)	0.15	1/T
Fmax-1/yr (F)	0.19	1/yr
Fmsy-1/T (F)	0.15	1/T
Fcurrent-1/T (F)	0.19	1/T
NATMORT-1/yr (M)	0.14	1/yr
SSBmsy-MT (SSB)	15148	MT
MSY-MT (TB)	2851.9	MT
Bmsy-MT (TB)	15148	MT
Brebuild-MT (TB)	15148	MT
F0.1-1/yr (F)	0.08	1/yr
F_{2006}/F_{lim}	1.327	
F_{2006}/F_{msy}	1.327	
SSB_{2007}/SSB_{msy}	0.574	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1970	1969	1970		1970
Maximum year	2007	2006	2006		2007
Time series minimum	6511	9.486	0.094		1458
Time series maximum	49482	481.004	1.183		6407
Units	MT	E03	1/T		MT

ICCAT-ATBTUNAWATL-1969-2007-WORM.pdf
Created on 2010-04-29 09:45:11 ADT

Assessment of Mid-Atlantic Coast black sea bass (*Centropristis striata*)

Assessment ID:NEFSC-BSBASSMATLC-1968-2007-SHEPHERD
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/292

Area ID: USA-NMFS-MATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Data Poor Working Group
Assessment method	A statistical catch-at-length model
Publication year	2009
Timeseries span	1968-2007
Document	DataPoorReviewPanelReportFinal-1-20-09.pdf (pdf in database)
Recorder	SHEPHERD
Date entered	2009-04-29
Date last loaded	2010-02-11
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
REC-AGE-yr	1	yr
F-AGE-yr-yr	0	yr-yr
L50-cm	21 cm	cm
M-1/T	0.4	1/T
SSB-AGE-yr		
TB-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	12892.30	MT
F0.1-1/yr (F)	0.368	1/yr
F40%-1/T	0.419	1/T
SSBmsy-MT (SSB)	12537	MT
MSY-MT (TB)	3903	MT
TB_{2007}/B_{msy}	1.000	
SSB_{2007}/SSB_{msy}	0.916	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1968	1968	1968	1968	1968
Maximum year	2007	2006	2007	2007	2007
Time series minimum	5498.58	20444.6	0.21	6586.79	1106
Time series maximum	13315.11	59027.7	1.21	15024.1	7758
Units	MT	E03	1/T	MT	MT

Assessment of Gulf of Mexico red grouper (*Epinephelus morio*)

Assessment ID:SEFSC-RGROUPGM-1986-2005-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/68

Area ID: USA-NMFS-GM

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	NULL
Assessment method	Age Structured Assessment Program
Publication year	2006
Timeseries span	1986-2005
Document	JENSEN_RGROUPGM-2006.pdf (pdf in database)
Recorder	JENSEN
Date entered	2008-11-22
Date last loaded	2010-01-19
QA/QC complete	YES
Date approved	2009-06-05

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
M-1/yr	0.14	1/yr
REC-AGE		
SSB-AGE-yr		
SSB-SEX-sex		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Blim-FemaleGonadMT	509	FemaleGonadMT
SSBmsy-MT (SSB)	591	MT
Flim-1/yr (F)	0.22	1/yr
Fmsy-1/T (F)	0.22	1/T
MSY-MT (TB)	3501.73024	MT
F_{2005}/F_{lim}	0.727	
F_{2005}/F_{msy}	0.727	

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year		1986	1986	1986	1986
Maximum year		2004	2005	2005	2005
Time series minimum		5595.53	0.14	28984.4	2423.59
Time series maximum		22335	0.27	40284.12	4631.5
Units		E03	1/yr	MT	MT

No SSB−recruit
data available

SEFSC-RGROUPGM-1986-2005-JENSEN.pdf
Created on 2010-05-18 12:38:19 ADT

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	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 in database)
Recorder	STANTON
Date entered	2009-05-29
Date last loaded	2010-03-17
QA/QC complete	YES
Date approved	2010-03-17

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

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

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

Reference points

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

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1961	1961	1961	1961	1962
Maximum year	2002	2002	2002	2002	2002
Time series minimum	394.4	117	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

SEFSC-SNOWGROUPSATLC-1961-2002-STANTON.pdf
Created on 2010-05-12 14:37:34 ADT

Assessment of Gulf of Mexico gag (*Mycteroperca microlepis*)

Assessment ID:SEFSC-GAGGM-1963-2004-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/18

Area ID: USA-NMFS-GM

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	
Assessment method	Unknown
Publication year	2007
Timeseries span	1963-2004
Document	JENSEN_GAGGM_2007.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2008-11-19
Date last loaded	2010-03-16
QA/QC complete	YES
Date approved	2010-03-16

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
A50-yr	3.5	yr
M-1/T	AVAILABLE	1/T
REC-AGE		
SSB-AGE-yr		
SSB-SEX-sex		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
F0.1-1/yr (F)	0.129	1/yr
Flim-1/yr (F)	0.27	1/yr
Fmax-1/yr (F)	0.201	1/yr
Fmsy-1/yr (F)	0.201	1/yr
MSY-MT (TB)	2241.65	MT
SSBmsy-MT (SSB)	12383.06	MT
F_{2004}/F_{lim}	1.815	
F_{2004}/F_{msy}	2.438	
SSB_{2004}/SSB_{msy}	0.997	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1963	1963	1963	1963	1963
Maximum year	2004	2003	2004	2004	2004
Time series minimum	5410.9	172.637	0.03	8116.58	787.44
Time series maximum	23661.63	5741.39	0.56	33847.49	4633.44
Units	MT	E03	1/yr	MT	MT

SEFSC-GAGGM-1963-2004-JENSEN.pdf
Created on 2010-05-18 12:38:04 ADT

Assessment of Southern Atlantic coast gag (*Mycteroperca microlepis*)

Assessment ID:SEFSC-GAGSATLC-1962-2005-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/17

Area ID: USA-NMFS-SATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	NULL
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2006
Timeseries span	1962-2005
Document	JENSEN_GAGSATLC_2006.pdf (pdf in database)
Recorder	JENSEN
Date entered	2008-11-19
Date last loaded	2010-03-16
QA/QC complete	YES
Date approved	2010-03-16

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
M-1/yr	0.14	1/yr
REC-AGE		
SSB-AGE-yr		
SSB-SEX-sex		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
SSBlim-MT (SSB)	3091.456276	MT
Flim-1/yr (F)	0.237	1/yr
Fmsy-1/yr (F)	0.237	1/yr
MSY-MT (TB)	562	MT
SSBmsy-MT (SSB)	3594.7166	MT
SSB_{2005}/SSB_{lim}	1.096	
F_{2004}/F_{lim}	1.308	
F_{2004}/F_{msy}	1.308	
SSB_{2005}/SSB_{msy}	0.942	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1962	1962	1962	1962	
Maximum year	2005	2004	2004	2004	
Time series minimum	1820.98	99.7721	0.03	3016.8	
Time series maximum	6611.83	853.149	1.2	7328.64	
Units	MT	E03	1/yr	MT	

SEFSC-GAGSATLC-1962-2005-JENSEN.pdf
Created on 2010-05-18 12:38:06 ADT

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

Assessment ID:CSIRO-SWHITSE-1945-2007-FULTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/94

Area ID: Australia-AFMA-SE

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	NULL (pdf not in database)
Recorder	FULTON
Date entered	2008-04-30
Date last loaded	2009-06-12
QA/QC complete	YES
Date approved	2009-06-11

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

primary LME	secondary LME	tertiary LME
42 - Southeast Australian Shelf	na	na

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		

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

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1945	1945	1945	1945	1945
Maximum year	2007	2007	2007	2007	2007
Time series minimum	1828.94	127052	0	6630.53	0
Time series maximum	7780.5	492880	0.50773	14060.6	2448.9199
Units	MT	E03		MT	MT

CSIRO-SWHITSE-1945-2007-FULTON.pdf
Created on 2010-04-08 12:02:11 ADT

Assessment of New Zealand Area 8 (Auckland and Central West) new zealand snapper (*Chrysophrys auratus*)

Assessment ID:NZMFishINSHOREWG-NZSNAPNZ8-1931-2005-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/193

Area ID: New Zealand-MFish-8

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Inshore Working Group
Assessment authors	
Assessment method	CASAL
Publication year	
Timeseries span	1931-2005
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-03-24
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
46 - New Zealand Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	3	yr
TB-AGE-yr	3	yr
A50-yr	3	yr
M-1/yr	0.0507649	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.0923	1/yr
MSY-MT (TB)	2284.7076	MT
SSBmsy-MT (SSB)	23536.1148	MT
SSB0-MT (SSB)	120884	MT
BH-h-dimless	1	dimless
F_{2005}/F_{msy}	2.497	
SSB_{2005}/SSB_{msy}	0.353	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1931	1971	1931	1931	1931
Maximum year	2005	2000	2005	2005	2005
Time series minimum	7570.19	711.922	0.002787383	7570.19	207.95
Time series maximum	109631	5198.47	0.3686518	109631	9376.26
Units	MT	E03	1/yr	MT	MT

Assessment of Southern Atlantic coast red porgy (*Pagrus pagrus*)

Assessment ID:SEFSC-RPORGYSATLC-1972-2004-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/73

Area ID: USA-NMFS-SATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	
Assessment method	Statistical catch-at-age model
Publication year	2006
Timeseries span	1972-2004
Document	JENSEN_RPORGYSATLC_2006.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2008-11-25
Date last loaded	2010-05-05
QA/QC complete	YES
Date approved	2010-05-05

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
A50-yr	2	yr
M-1/T	0.225	1/T
REC-AGE		
SSB-AGE-yr		
SSB-SEX-sex		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Blim-FemaleGonadMT	2507.9155	FemaleGonadMT
Flim-1/yr (F)	0.2	1/yr
Fmsy-1/yr (F)	0.200	1/yr
MORATOR-yr-yr	1999-2000	yr-yr
MSY-MT (TB)	283.81	MT
SSBmsy-MT (SSB)	3236.02	MT
F_{2004}/F_{lim}	0.391	
F_{2004}/F_{msy}	0.391	
SSB_{2004}/SSB_{msy}	0.611	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1972	1972	1972	1972	1972
Maximum year	2004	2004	2004	2004	2004
Time series minimum	848.386	793.722	0.04862	1097.46	30
Time series maximum	7530.42	5535.27	0.76616	7790.46	930
Units	MT	E03	1/yr	MT	MT

SEFSC-RPORGYSATLC-1972-2004-JENSEN.pdf
Created on 2010-05-18 12:38:21 ADT

Assessment of Northwestern Atlantic Coast scup (*Stenotomus chrysops*)

Assessment ID:NEFSC-SCUPNWATLC-1960-2007-TERCEIRO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/296

Area ID: USA-NMFS-NWATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Age Structured Assessment Program
Publication year	2009
Timeseries span	1960-2007
Document	crd0902.pdf (pdf in database)
Recorder	TERCEIRO
Date entered	2009-04-29
Date last loaded	2009-10-07
QA/QC complete	NO
Date approved	

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

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

Parameter	Value	Units
SSB-AGE-yr	2+	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	2-7+	yr-yr
A50-yr	2	yr
M-1/yr	0.2	1/yr
TB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	92044	MT
Bpa-MT (SSB)	46022	MT
F0.1-1/yr (F)	0.177	1/yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1984	1984	1984		1960
Maximum year	2007	2007	2007		2007
Time series minimum	3992.54	30400	0.054		4582
Time series maximum	119343	311200	1.12		37785
Units	MT	E03	1/T	MT	MT

Assessment of Gulf of Maine / Cape Hatteras atlantic butterfish (*Peprilus triacanthus*)

Assessment ID:NEFSC-BUTTERGOMCHATT-1965-2005-OVERHOLTZ
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/300

Area ID: USA-NMFS-5YCHATT

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Unknown
Publication year	2004
Timeseries span	1965-2005
Document	butterfish-assessment-2004.pdf (pdf in database)
Recorder	OVERHOLTZ
Date entered	2009-04-17
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
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	1+	yr
REC-AGE-yr	0	yr
L50-cm	11.7	cm
M-1/yr	0.8	1/yr
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	22798	MT
F0.1-1/yr (F)	1.6	1/yr
Fmsy-1/T (F)	0.38	1/T
MSY-MT (TB)	12.175	MT
F_{2002}/F_{msy}	0.900	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1968	1968	1968		1965
Maximum year	2002	2002	2002		2005
Time series minimum	7843.34	2812.32	0.115		432
Time series maximum	62914.7	61062	0.932		34266
Units	MT	MT	1/T		MT

NEFSC-BUTTERGOMCHATT-1965-2005-OVERHOLTZ.pdf
Created on 2010-02-25 13:52:56 AST

Assessment of Mediterranean Sea swordfish (*Xiphias gladius*)

Assessment ID:ICCAT-SWORDMED-1968-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/58

Area ID: multinational-ICCAT-MED

General assessment details.

Detail	Value
Management body	ICCAT
Assessment group	International Commission for the Conservation of Atlantic Tunas
Assessment authors	NULL
Assessment method	Surplus production model
Publication year	2007
Timeseries span	1968-2006
Document	ICCAT-Mediterranean-Xiphiasgladius-2007.pdf (pdf in database)
Recorder	JENSEN
Date entered	2008-11-17
Date last loaded	2009-03-25
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
26 - Mediterranean Sea	na	na

Parameter	Value	Units
L50-cm	142	cm
M-1/yr	0.2	1/yr
REC-AGE		
SSB-AGE-yr		
SSB-SEX-sex		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		

Reference points		
Parameter	Value	Units
Bmsy-MT (TB)	117300	MT
Umsy-ratio (U)	0.1035	ratio
MSY-MT (TB)	12140	MT
TB_{2006}/B_{msy}	0.938	

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year			1968	1968	1968
Maximum year			2005	2006	2005
Time series minimum			0.018	110000	3340
Time series maximum			0.135	202000	20400
Units			ratio	MT	MT

No recruitment data available

No SSB−recruit data available

ICCAT-SWORDMED-1968-2006-JENSEN.pdf
Created on 2010-05-18 12:37:04 ADT

Assessment of Northern Atlantic swordfish (*Xiphias gladius*)

Assessment ID:ICCAT-SWORDNATL-1978-2007-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/249

Area ID: multinational-ICCAT-NATL

General assessment details.

Detail	Value
Management body	ICCAT
Assessment group	International Commission for the Conservation of Atlantic Tunas
Assessment authors	
Assessment method	Surplus production model
Publication year	2007
Timeseries span	1978-2007
Document	JENSEN_SWORDSATL-2007.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2009-04-10
Date last loaded	2009-09-30
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
-98 - Atlantic High Seas	na	na

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

Reference points		
Parameter	Value	Units
Fmsy-1/T (F)	0.3895	1/T
MSY-MT (TB)	14879	MT
Bmsy-MT (TB)	47399	MT
TB_{2005}/B_{msy}	0.990	
F_{2005}/F_{msy}	0.875	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1978	1978	1978	1978	1983
Maximum year	2005	2004	2005	2005	2007
Time series minimum	7533	426.861	0.303	31077.76	10269
Time series maximum	21893	819.176	0.703	53133.48	20236
Units	MT	E03	1/T	MT	MT

ICCAT-SWORDNATL-1978-2007-JENSEN.pdf
Created on 2010-05-18 12:37:05 ADT

Assessment of South Atlantic swordfish (*Xiphias gladius*)

Assessment ID:ICCAT-SWORDSATL-1950-2005-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/247

Area ID: multinational-ICCAT-SATL

General assessment details.

Detail	Value
Management body	ICCAT
Assessment group	International Commission for the Conservation of Atlantic Tunas
Assessment authors	
Assessment method	Surplus production model
Publication year	2007
Timeseries span	1950-2005
Document	JENSEN_SWORDSATL-2007.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2009-04-10
Date last loaded	2009-09-30
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
-98 - Atlantic High Seas	na	na

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

Reference points

Parameter	Value	Units
Fmsy-1/T (F)	0.356	1/T
MSY-MT (TB)	16640	MT
Bmsy-MT (TB)	46690	MT
TB_{2005}/B_{msy}	1.540	
F_{2005}/F_{msy}	0.494	

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year			1950	1950	1950
Maximum year			2005	2005	2005
Time series minimum			0.001	29.77	1
Time series maximum			6.717	118200	21780
Units			1/T	MT	MT

No recruitment data available

No SSB−recruit data available

ICCAT-SWORDSATL-1950-2005-JENSEN.pdf
Created on 2010-05-18 12:37:07 ADT

Assessment of Northwestern Atlantic Coast ocean pout (*Zoarces americanus*)

Assessment ID:NEFSC-OPOUTNWATLC-1962-2008-WIGLEY
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/113

Area ID: USA-NMFS-NWATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2008
Timeseries span	1962-2008
Document	.pdf (pdf not in database)
Recorder	WIGLEY
Date entered	2008-12-11
Date last loaded	2009-03-17
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
M-1/T	0.2	1/T
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	4.94	MT
Fmsy-1/T (F)	0.76	1/T
MSY-MT (TB)	3754	MT
F_{2007}/F_{msy}	0.493	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1968		1962
Maximum year			2007		2007
Time series minimum			0.149		0
Time series maximum			5.394		30101.46
Units			ratio		MT

No biomass data available

No recruitment data available

No SSB−recruit data available

NEFSC-OPOUTNWATLC-1962-2008-WIGLEY.pdf
Created on 2010-02-25 13:53:20 AST

Assessment of Mid-Atlantic Coast summer flounder (*Paralichthys dentatus*)

Assessment ID:NEFSC-SFLOUNMATLC-1940-2007-BAUM
Issue URL: no issueID

Area ID: USA-NMFS-MATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Age Structured Assessment Program
Publication year	2008
Timeseries span	1940-2007
Document	NMFS-MATLC-Paralichthysdentatus-2008.pdf (pdf in database)
Recorder	BAUM
Date entered	2008-11-03
Date last loaded	2009-03-17
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	na

Parameter	Value	Units
SSB-SEX-sex	NA	sex
REC-AGE-yr	0	yr
F-AGE-yr-yr	3-7+	yr-yr
A50-yr	AVAILABLE	yr
L50-cm	AVAILABLE	cm
M-1/T	0.25	1/T
SSB-AGE-yr		
TB-AGE-yr		
M		

Reference points

Parameter	Value	Units
F40%-1/T	0.255	1/T
SSBmsy-MT (SSB)	60074	MT
F35%-1/T	0.31	1/T
Frebuild-1/T (F)	0.274	1/T
Blim-MT (TB)	30037	MT
SSB_{2007}/SSB_{msy}	0.722	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1982	1982	1982	1982
Maximum year	2007	2007	2007	2007	2007
Time series minimum	7017	12831	0.288	51853	7976
Time series maximum	43932	81631	2.042	164410	26466
Units	MT	E03	1/T	E03	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	2004_SAFE_WCpetralesole.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-05-20
Date last loaded	2009-11-10
QA/QC complete	NO
Date approved	

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

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

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

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

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

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

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

Area ID: USA-NMFS-SPCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Lai, Han-Lin
Assessment method	Stock Synthesis v2.0 model
Publication year	2005
Timeseries span	1874-2005
Document	2004-SAFE-WCpetralesole.pdf (pdf in database)
Recorder	STANTON
Date entered	2009-05-20
Date last loaded	2009-11-10
QA/QC complete	NO
Date approved	

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

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

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

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

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

Assessment of Gulf of Maine witch flounder (*Glyptocephalus cynoglossus*)

Assessment ID:NEFSC-WITFLOUN5Y-1982-2008-WIGLEY
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/114

Area ID: USA-NMFS-5Y

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Virtual Population Analysis
Publication year	2008
Timeseries span	1982-2008
Document	NULL (pdf not in database)
Recorder	WIGLEY
Date entered	2008-12-10
Date last loaded	2009-03-23
QA/QC complete	NO
Date approved	

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

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

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	3	yr
F-AGE-yr-yr	AVAILABLE	yr-yr
M-1/T	0.15	1/T
TB-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/T (F)	0.20	1/T
F40%-1/T	0.20	1/T
SSBmsy-MT (SSB)	11447	MT
MSY-MT (TB)	2352	MT
Frebuild-1/T (F)	0.194	1/T
F_{2007}/F_{msy}	1.450	
SSB_{2007}/SSB_{msy}	0.300	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1982	1982		1982
Maximum year	2007	2008	2007		2007
Time series minimum	3434	2175	0.23		1171.56
Time series maximum	16903	25781	1.14		6759.74
Units	MT	E03	1/T		MT

NEFSC-WITFLOUN5Y-1982-2008-WIGLEY.pdf
Created on 2010-02-25 13:53:59 AST

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	2008_SAFE_GOArex.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
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

AFSC-REXSOLEGA-1979-2008-STANTON.pdf
Created on 2010-05-12 14:36:57 ADT

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

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

Area ID: USA-NMFS-BSAI

General assessment details.

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

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

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

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

Reference points

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

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

AFSC-FLSOLEBSAI-1977-2008-STANTON.pdf
Created on 2010-05-12 14:36:46 ADT

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

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

Area ID: USA-NMFS-GA

General assessment details.

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

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

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

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

Reference points

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

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

AFSC-FLSOLEGA-1978-2008-STANTON.pdf
Created on 2010-05-12 14:36:48 ADT

Assessment of Grand Banks american plaice (*Hippoglossoides platessoides*)

Assessment ID:NAFO-SC-AMPL3LNO-1955-2007-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/7

Area ID: multinational-NAFO-3LNO

General assessment details.

Detail	Value
Management body	NAFO
Assessment group	NAFO Scientific Council
Assessment authors	Dwyer, K.S.
Assessment method	Virtual Population Analysis
Publication year	2007
Timeseries span	1955-2007
Document	NAFO-GrandBanks-AmPlaice-2007.pdf (pdf in database)
Recorder	BAUM
Date entered	2008-04-07
Date last loaded	2009-06-08
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
9 - Newfoundland-Labrador Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr		yr
SSB-SEX-sex	0	sex
REC-AGE-yr	5	yr
F-AGE-yr-yr	9-14	yr-yr
TB-AGE-yr	5+	yr
M-1/T	0.2	1/T
M-1/T	0.53	1/T
M-1/T	0.2	1/T
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
MORATOR-yr-yr	1995-2007	yr-yr
Blim-MT (TB)	50000	MT
F0.1-1/yr (F)	0.19	1/yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1960	1955	1960	1960	1960
Maximum year	2007	2002	2006	2007	2006
Time series minimum	6526	11.57	0.044	21499.54	548
Time series maximum	236083	299.711	1.199	562561.92	94413
Units	MT	E03	1/T	MT	MT

Assessment of Flemish Cap american plaice (*Hippoglossoides platessoides*)

Assessment ID:NAFO-SC-AMPL3M-1960-2007-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/352

Area ID: multinational-NAFO-3M

General assessment details.

Detail	Value
Management body	NAFO
Assessment group	NAFO Scientific Council
Assessment authors	Alpoim, R.
Assessment method	Extended Survivor Analysis
Publication year	2008
Timeseries span	1960-2007
Document	NAFO-AMPL3M-2008.pdf (pdf not in database)
Recorder	BAUM
Date entered	2009-05-28
Date last loaded	2010-01-07
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
9 - Newfoundland-Labrador Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	5+	yr
SSB-SEX-sex	NA	sex
REC-AGE-yr	1	yr
F-AGE-yr-yr	3-13	yr-yr
TB-AGE-yr	NA	yr
M-1/T	0.2	1/T
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Fmax-1/yr (F)	0.346	1/yr
MORATOR-yr-yr	1996-2008	yr-yr
F0.1-1/yr (F)	0.162	1/yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1988	1987	1988	1988	1960
Maximum year	2007	2006	2007	2007	2007
Time series minimum	1162	394	0.0159	1807	0
Time series maximum	9580	20846	0.4804	14366	5627
Units	MT	E03	1/T	MT	MT

Assessment of Gulf of Maine / Georges Bank american plaice (*Hippoglossoides platessoides*)

Assessment ID:NEFSC-AMPL5YZ-1960-2008-OBRIEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/112

Area ID: USA-NMFS-5YZ

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
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	2008
Timeseries span	1960-2008
Document	.pdf (pdf not in database)
Recorder	OBRIEN
Date entered	2008-12-12
Date last loaded	2009-03-23
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	1+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.2	1/T
SSB-AGE-yr	1+	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	6-9	yr-yr
M		
L50-cm		

Reference points

Parameter	Value	Units
F40%-1/T	0.19	1/T
SSBmsy-MT (SSB)	22243	MT
MSY-MT (TB)	4059	MT
SSB_{2007}/SSB_{msy}	0.704	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1980	1979	1980	1980	1980
Maximum year	2007	2007	2007	2008	2007
Time series minimum	7880.98	12409.45	0.06	11431.53	1226.17
Time series maximum	36806.95	53494.2	0.9	52640.22	15566.81
Units	MT	E03	1/T	MT	MT

Assessment of Labrador - NE Newfoundland american plaice (*Hippoglossoides platessoides*)

Assessment ID:DFO-NFLD-AMPL23K-1960-2004-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/8

Area ID: multinational-NAFO-23K

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Newfoundland Region
Assessment authors	Dwyer, K.S.
Assessment method	Temporal indices derived from scientific survey data
Publication year	2003
Timeseries span	1960-2004
Document	NAFO-AMPL23K-2003.pdf (pdf in database)
Recorder	PREFONTAINE
Date entered	2008-06-03
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
9 - Newfoundland-Labrador Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	3+	yr
TB-AGE-yr	0-19	yr
A50-yr	FOUND AS A TIME SERIES IN FIGURE 10	yr
L50-cm	FOUND AS A TIME SERIES IN FIGURE 11	cm
SSB-AGE-yr		
F-AGE-yr		
M		

Reference points

Parameter	Value	Units
MORATOR-yr-yr	1994-2003	yr-yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1979	1979		1978	1960
Maximum year	2003	1998		2004	2003
Time series minimum	3350	2470		6820	2
Time series maximum	129310	40050		332410	12686
Units	MT	E03		MT	MT

DFO-NFLD-AMPL23K-1960-2004-PREFONTAINE.pdf
Created on 2010-03-26 08:53:21 ADT

Assessment of St. Pierre Bank american plaice (*Hippoglossoides platessoides*)

Assessment ID:DFO-NFLD-AMPL3Ps-1960-2005-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/178

Area ID: Canada-DFO-3Ps

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Newfoundland Region
Assessment authors	Morgan, M.J.
Assessment method	Unknown
Publication year	2005
Timeseries span	1960-2005
Document	NAFO-AMPL3Ps-2005.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-07-04
Date last loaded	2009-03-17
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
9 - Newfoundland-Labrador Shelf	8 - Scotian Shelf	na

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

Reference points

Parameter	Value	Units
Blim-MT (TB)	7.7-16.2	MT
MORATOR-yr-yr	1993-present	yr-yr
SSB50-MT	13.6	MT

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					1960
Maximum year					2005
Time series minimum					90
Time series maximum					14769
Units					MT

No biomass data available

No recruitment data available

No SSB−recruit data available

DFO-NFLD-AMPL3Ps-1960-2005-PREFONTAINE.pdf
Created on 2010-03-26 08:53:22 ADT

Assessment of Gulf of Maine / Georges Bank atlantic halibut (*Hippoglossus hippoglossus*)

Assessment ID:NEFSC-ATHAL5YZ-1800-2007-COL
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/274

Area ID: USA-NMFS-5YZ

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Unknown
Publication year	2008
Timeseries span	1800-2007
Document	AtlanticHalibut5YZ2008.pdf (pdf in database)
Recorder	COL
Date entered	2009-04-15
Date last loaded	2009-10-01
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
A50-yr	7	yr
L50-cm	103	cm
M-1/yr	0.15	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	49000	MT
Bpa-MT (SSB)	24000	MT
F0.1-1/yr (F)	0.073	1/yr
Fmax-1/yr (F)	0.114	1/yr
Fmsy-1/yr (F)	0.073	1/yr
SPRF0-E01 (SPR)	109	E01
F40%-1/T	0.064	1/T
SSBmsy-MT (SSB)	49000	MT
MSY-MT (TB)	3500	MT
Frebuild-1/T (F)	0.044	1/T
TB_{2007}/B_{msy}	0.026	
F_{2007}/F_{msy}	0.890	

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year			1800	1800	1893
Maximum year			2007	2007	2007
Time series minimum			0	426.61	18.33
Time series maximum			0.669	97018.46	5724.72
Units			1/T	MT	MT

No recruitment data available

No SSB−recruit data available

Assessment of North Pacific pacific halibut (*Hippoglossus stenolepis*)

Assessment ID:IPHC-PHALNPAC-1988-2009-Parma
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/187

Area ID: multinational-IPHC-NPAC

General assessment details.

Detail	Value
Management body	IPHC
Assessment group	International Pacific Halibut Commission
Assessment authors	Hare, Steven
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2009
Timeseries span	1988-2009
Document	hare-clark08.pdf (pdf in database)
Recorder	Parma
Date entered	2009-03-12
Date last loaded	2009-04-24
QA/QC complete	YES
Date approved	2009-04-23

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	11.59	yr
REC-AGE-yr	8	yr
F-AGE-yr-yr	6+	yr-yr
TB-AGE-yr	6	yr
A50-yr	11.59	yr
L50-cm	97.63	cm
M-1/yr	0.15	1/yr
NATMORT-1/yr M	0.15	1/yr

Reference points

Parameter	Value	Units
Flim-1/yr (F)	available	1/yr
SSBlimit30%-MT	142758.76	MT
SSBlimit20%-MT	106464.16	MT
SSB0-MT (SSB)	531110.98	MT
ERtarget-ratio	0.2	ratio
ERcurrent-ratio	0.26	ratio
NATMORT-1/yr (M)	0.15	1/yr
SPRF0-E01 (SPR)	29.82	E01
F40%-1/T	0.17	1/T
F0.1-1/yr (F)	0.26	1/yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1996	1988	1996	1996	1996
Maximum year	2009	2001	2008	2009	2008
Time series minimum	161580.08	10022.68	0.123	175147.11	38462.26
Time series maximum	248746.72	53885.1	0.26	352901.09	54902.89
Units	MT	E03	ratio	MT	MT

IPHC-PHALNPAC-1988-2009-Parma.pdf
Created on 2010-02-05 12:08:34 AST

Assessment of Hecate Strait rock sole (*Lepidopsetta bilineata*)

Assessment ID:DFO-PAC-RSOLEHSTR-1945-2001-COLLIE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/107

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 analysis
Publication year	1999
Timeseries span	1945-2001
Document	Flat99.pdf (pdf in database)
Recorder	COLLIE
Date entered	2008-04-21
Date last loaded	2009-05-14
QA/QC complete	YES
Date approved	2009-05-13

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
M-1/yr	0.2	1/yr
TB-AGE-yr	4+	yr
REC-AGE-yr	4	yr
SSB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
F0.1-1/yr (F)	0.22	1/yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1945	1945	1945	1945	1945
Maximum year	2001	1997	2001	2001	2001
Time series minimum	1476	600	0.029	1559	112
Time series maximum	8085	7520	0.896	8275	2666
Units	MT	E03	1/yr	MT	MT

DFO-PAC-RSOLEHSTR-1945-2001-COLLIE.pdf
Created on 2009-12-08 10:43:09 AST

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

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

Area ID: USA-NMFS-EBSAI

General assessment details.

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

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

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

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

Reference points

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

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

AFSC-NRSOLEEBSAI-1971-2008-STANTON.pdf
Created on 2010-05-12 14:36:53 ADT

Assessment of Bering Sea and Aleutian Islands yellowfin sole (*Limanda aspera*)

Assessment ID:AFSC-YSOLEBSAI-1959-2008-MELNYCHUK
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/270

Area ID: USA-NMFS-BSAI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Wilderbuer T
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1959-2008
Document	AFSC-YSOLEBSAI-2008-Yellowfin sole BSAI.pdf (pdf in database)
Recorder	MELNYCHUK
Date entered	2009-04-14
Date last loaded	2009-05-22
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
1 - East Bering Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	10.5	yr
REC-AGE-yr	5	yr
TB-AGE-yr	2+	yr
A50-yr	10.5	yr
M-1/yr	0.12	1/yr
NATMORT-1/yr	0.12	1/yr
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.13	1/yr
NATMORT-1/yr (M)	0.12	1/yr
SSBmsy-MT (SSB)	329000	MT
F_{2008}/F_{msy}	0.615	
SSB_{2008}/SSB_{msy}	1.939	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1964	1959	1964	1964	1977
Maximum year	2008	2003	2008	2008	2007
Time series minimum	60692	519000	0.04	724283	58373
Time series maximum	855155	3907000	0.83	2834670	227107
Units	MT	E03	1/yr	MT	MT

AFSC-YSOLEBSAI-1959-2008-MELNYCHUK.pdf
Created on 2010-02-17 16:01:17 AST

Assessment of Grand Banks yellowtail flounder (*Limanda ferruginea*)

Assessment ID:NAFO-SC-YELL3LNO-1960-2009-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/353

Area ID: multinational-NAFO-3LNO

General assessment details.

Detail	Value
Management body	NAFO
Assessment group	NAFO Scientific Council
Assessment authors	Parsons, D.M.
Assessment method	Surplus production model
Publication year	2008
Timeseries span	1960-2009
Document	NAFO-YELL3LNO-2008.pdf (pdf not in database)
Recorder	BAUM
Date entered	2009-05-28
Date last loaded	2010-01-07
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	8 - Scotian Shelf	na

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

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.26	1/yr
MORATOR-yr-yr	1994-1997	yr-yr
MSY-MT (TB)	18820	MT
Bmsy-MT (TB)	73580	MT
TB_{2009}/B_{msy}	1.636	
F_{2008}/F_{msy}	0.485	

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year			1965	1965	1960
Maximum year			2008	2009	2007
Time series minimum			0.003	14700	7
Time series maximum			0.783	132200	39259
Units			ratio	MT	MT

No recruitment data available

No SSB−recruit data available

NAFO-SC-YELL3LNO-1960-2009-BAUM.pdf
Created on 2010-05-05 23:00:52 ADT

Assessment of Southern New England /Mid Atlantic yellowtail flounder (*Limanda ferruginea*)

Assessment ID:NEFSC-YELLSNEMATL-1935-2008-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/14

Area ID: USA-NMFS-SNEMATL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Virtual Population Analysis
Publication year	2008
Timeseries span	1935-2008
Document	NMFS-SNEMATL-Limandaferruginea-2008.pdf (pdf not in database)
Recorder	BAUM
Date entered	2008-11-04
Date last loaded	2009-03-24
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
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-SEX-sex	NA	sex
REC-AGE-yr	1	yr
F-AGE-yr-yr	4-6+	yr-yr
A50-yr	2	yr
SSB-AGE-yr		
TB-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/T (F)	0.254	1/T
F40%-1/T	0.254	1/T
SSBmsy-MT (SSB)	27400	MT
MSY-MT (TB)	6100	MT
Frebuild-1/T (F)	0.08	1/T
F_{2007}/F_{msy}	1.614	
SSB_{2007}/SSB_{msy}	0.128	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1973	1972	1973	1973	1935
Maximum year	2007	2006	2007	2007	2007
Time series minimum	542	1133	0.4	4853	345
Time series maximum	28815	136011	3.22	199647	44369
Units	MT	E03	1/T	E03	MT

Assessment of Georges Bank yellowtail flounder (*Limanda ferruginea*)

Assessment ID:NEFSC-YELLGB-1935-2008-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/12

Area ID: USA-NMFS-5Z

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Virtual Population Analysis
Publication year	2008
Timeseries span	1935-2008
Document	NMFS-GB-Limandaferruginea-2008.pdf (pdf in database)
Recorder	BAUM
Date entered	2008-11-04
Date last loaded	2009-03-17
QA/QC complete	NO
Date approved	

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

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

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

Reference points		
Parameter	Value	Units
Fmsy-1/T (F)	0.254	1/T
F40%-1/T	0.254	1/T
SSBmsy-MT (SSB)	43200	MT
MSY-MT (TB)	9400	MT
Frebuild-1/T (F)	0.202	1/T
F_{2007}/F_{msy}	1.142	
SSB_{2007}/SSB_{msy}	0.221	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1973	1972	1973	1973	1935
Maximum year	2007	2007	2007	2008	2007
Time series minimum	2198	6581	0.29	4904	400
Time series maximum	22161	70632	1.83	34860	21410
Units	MT	E03	1/T	MT	MT

NEFSC-YELLGB-1935-2008-BAUM.pdf
Created on 2010-05-05 23:01:06 ADT

Assessment of Cape Cod / Gulf of Maine yellowtail flounder (*Limanda ferruginea*)

Assessment ID:NEFSC-YELLCCODGOM-1935-2008-LEGAULT
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/111

Area ID: USA-NMFS-CCOD5Y

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Virtual Population Analysis
Publication year	2008
Timeseries span	1935-2008
Document	NMFS-CCGOM-Limandaferruginea-2008.pdf (pdf not in database)
Recorder	LEGAULT
Date entered	2008-11-26
Date last loaded	2009-03-17
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
REC-AGE-yr	1	yr
F-AGE-yr-yr	4+	yr-yr
A50-yr	2	yr
SSB-AGE-yr		
TB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/T (F)	0.239	1/T
F40%-1/T	0.239	1/T
SSBmsy-MT (SSB)	7790	MT
MSY-MT (TB)	1720	MT
Frebuild-1/T (F)	0.238	1/T
F_{2007}/F_{msy}	1.732	
SSB_{2007}/SSB_{msy}	0.247	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1985	1984	1985	1985	1935
Maximum year	2007	2006	2007	2007	2007
Time series minimum	670	3540	0.414	11018	500
Time series maximum	2633	23080	2.6	33021	6167
Units	MT	E03	1/T	E03	MT

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

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

Area ID: USA-NMFS-GA

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Stockhausen, W.T.
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1978-2010
Document	2007_SAFE_GOAdeepflat.pdf (pdf not in database)
Recorder	STANTON
Date entered	2009-04-27
Date last loaded	2009-11-06
QA/QC complete	NO
Date approved	

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

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

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

Reference points

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

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

AFSC-DSOLEGA-1978-2010-STANTON.pdf
Created on 2010-05-12 14:36:44 ADT

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

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

Area ID: USA-NMFS-PCOAST

General assessment details.

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

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

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

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

Reference points

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

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

Assessment of Pacific Coast english sole (*Parophrys vetulus*)

Assessment ID:NWFSC-ESOLEPCOAST-1876-2007-BRANCH
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/21

Area ID: USA-NMFS-PCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Stewart, Ian J.
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1876-2007
Document	NWFSC-ESOLEPCOAST-2007-EnglishSole.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-18
Date last loaded	2010-03-17
QA/QC complete	YES
Date approved	2010-03-16

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

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

Parameter	Value	Units
SSB-AGE-yr	3+	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	1+	yr-yr
L50-cm	23.3	cm
TB-AGE-yr	7.7+	yr
A50-yr	7.7+	yr
M		

Reference points

Parameter	Value	Units
SSBlim-MT (SSB)	7364	MT
SSBmsy-MT (SSB)	6526	MT
Fmsy-1/yr (F)	0.27	1/yr
SSB0-MT (SSB)	36012	MT
R0-E03 (R)	124990	E03
BH-h-dimless	0.798	dimless
SSBtarget-MT (SSB)	14405	MT
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.13	1/yr
SPRtarget-ratio (SPR)	0.49	ratio
MSY-MT (TB)	4252	MT
SSB_{2007}/SSB_{lim}	5.691	
F_{2006}/F_{msy}	0.074	
SSB_{2007}/SSB_{msy}	6.422	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1876	1876	1876	1876	1876
Maximum year	2007	2007	2006	2007	2006
Time series minimum	7364	47349	0	21903	1
Time series maximum	42193	403289	0.22	72795	6030
Units	MT	E03	1/T	MT	MT

Assessment of Hecate Strait english sole (*Parophrys vetulus*)

Assessment ID:DFO-PAC-ESOLEHS-1944-2001-COLLIE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/106

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 analysis
Publication year	1999
Timeseries span	1944-2001
Document	Flat99.pdf (pdf in database)
Recorder	COLLIE
Date entered	2008-04-21
Date last loaded	2009-05-14
QA/QC complete	YES
Date approved	2009-05-13

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
M-1/yr	0.2	1/yr
TB-AGE-yr	4+	yr
REC-AGE-yr	4	yr
SSB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
F0.1-1/yr (F)	0.25	1/yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year		1944	1944	1944	1944
Maximum year		1997	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

DFO-PAC-ESOLEHS-1944-2001-COLLIE.pdf
Created on 2009-12-08 10:42:54 AST

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

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

Area ID: USA-NMFS-NPCOAST

General assessment details.

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

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

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

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

Reference points

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

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

SWFSC-STFLOUNNPCOAST-1970-2005-STANTON.pdf
Created on 2010-05-12 14:37:47 ADT

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

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

Area ID: USA-NMFS-SPCOAST

General assessment details.

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

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

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

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

Reference points

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

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

SWFSC-STFLOUNSPCOAST-1970-2005-STANTON.pdf
Created on 2010-05-12 14:37:49 ADT

Assessment of Western English Channel european plaice (*Pleuronectes platessa*)

Assessment ID:WGSSDS-PLAICECHW-1975-2006-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/52

Area ID: multinational-ICES-VIIe

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Southern Shelf Demersal Stocks
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1975-2006
Document	ICES-WGSSDS-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-23
Date last loaded	2010-03-11
QA/QC complete	YES
Date approved	2009-05-28

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	3 to 7	yr-yr
TB-AGE-yr	1+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.12	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fpa-1/T (F)	0.45	1/T
SSBlim-MT (SSB)	1300	MT
SSBpa-MT (SSB)	2500	MT
SSB_{2006}/SSB_{lim}	1.262	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1976	1975	1976	1976	1976
Maximum year	2006	2005	2006	2006	2006
Time series minimum	1270	2006	0.404	2101	640
Time series maximum	4283	13617	0.763	7747	2593
Units	MT	E03	1/T	MT	MT

Assessment of Celtic Sea european plaice (*Pleuronectes platessa*)

Assessment ID:WGSSDS-PLAICCELT-1976-2006-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/51

Area ID: multinational-ICES-VIIf-g

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Southern Shelf Demersal Stocks
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1976-2006
Document	ICES-WGSSDS-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-22
Date last loaded	2010-03-11
QA/QC complete	YES
Date approved	2009-05-28

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	3 to 6	yr-yr
TB-AGE-yr	1+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.12	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points

Parameter	Value	Units
SSBlim-MT (SSB)	1100	MT
SSBpa-MT (SSB)	1800	MT
SSB_{2006}/SSB_{lim}	1.009	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1977	1976	1977	1977	1977
Maximum year	2006	2005	2006	2006	2006
Time series minimum	951	1572	0.294	1666	389
Time series maximum	3831	12071	0.755	8855	2151
Units	MT	E03	1/T	MT	MT

Assessment of Kattegat and Skagerrak european plaice (*Pleuronectes platessa*)

Assessment ID:WGNSSK-PLAICIIIa-1976-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/391

Area ID: multinational-ICES-IIIa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1976-2006
Document	ICES-WGNSSK-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-13
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
22 - North Sea	na	na

Parameter	Value	Units
A50-yr	2	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	2	yr
M-1/T	0.1	1/T
F-AGE-yr-yr	4-8	yr-yr
TB-AGE-yr	2+	yr
M		
L50-cm		

Reference points

Parameter	Value	Units
SSBpa-MT (SSB)	24000	MT
Fpa-1/T (F)	0.73	1/T

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1978	1976	1978		1978
Maximum year	2006	2004	2006		2006
Time series minimum	11423	19141	0.57		6916
Time series maximum	45470	94503	1.87		26953
Units	MT	E03	1/T		MT

Assessment of Eastern English Channel european plaice (*Pleuronectes platessa*)

Assessment ID:WGNSSK-PLAIC7d-1979-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/390

Area ID: multinational-ICES-VIId

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1979-2006
Document	ICES-WGNSSK-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-13
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
A50-yr	3	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	1	yr
TB-AGE-yr	1+	yr
M-1/T	0.1	1/T
F-AGE-yr-yr	3-6	yr-yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBlim-MT (SSB)	5600	MT
SSBpa-MT (SSB)	8000	MT
Flim-1/T (F)	0.54	1/T
Fpa-1/T (F)	0.45	1/T
SSB_{2006}/SSB_{lim}	0.942	
F_{2006}/F_{lim}	0.833	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1980	1979	1980		1980
Maximum year	2006	2005	2006		2006
Time series minimum	4473	12969	0.41		2650
Time series maximum	14714	60704	1.14		10420
Units	MT	E03	1/T		MT

Assessment of Irish Sea european plaice (*Pleuronectes platessa*)

Assessment ID:WGNSDS-PLAICIS-1962-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/385

Area ID: multinational-ICES-VIIa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Northern Shelf Demersal Stocks
Assessment authors	Anon
Assessment method	Integrated Catch-at-age Analysis
Publication year	2007
Timeseries span	1962-2006
Document	ICES-WGNSDS-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-15
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
A50-yr	3	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	2	yr
TB-AGE-yr	2+	yr
F-AGE-yr-yr	3-6	yr-yr
M-1/T	0.12	1/T
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fmax-1/T	0.36	1/T
F0.1-1/T	0.13	1/T
Fpa-1/T (F)	0.45	1/T
SSBpa-MT (SSB)	3100	MT

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1964	1962	1964	1964	1964
Maximum year	2006	2004	2006	2006	2006
Time series minimum	3003	6600	0.0941	4819	932
Time series maximum	10092	29060	0.9231	14152	6220
Units	MT	E03	1/T	MT	MT

WGNSDS-PLAICIS-1962-2006-MINTO.pdf
Created on 2010-03-17 10:30:03 ADT

Assessment of North Sea european plaice (*Pleuronectes platessa*)

Assessment ID:WGNSSK-PLAICNS-1956-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/392

Area ID: multinational-ICES-IV

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1956-2006
Document	ICES-WGNSSK-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-13
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
22 - North Sea	na	na

Parameter	Value	Units
A50-yr	2-3	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	1	yr
M-1/T	0.1	1/T
F-AGE-yr-yr	2-6	yr-yr
TB-AGE-yr	1+	yr
M		
L50-cm		

Reference points

Parameter	Value	Units
SSBlim-MT (SSB)	160000	MT
SSBpa-MT (SSB)	230000	MT
Fpa-1/T (F)	0.6	1/T
Flim-1/T (F)	0.74	1/T
F0.1-1/T	0.17	1/T
SSB_{2006}/SSB_{lim}	1.233	
F_{2006}/F_{lim}	0.743	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1957	1956	1957		1957
Maximum year	2006	2005	2006		2006
Time series minimum	180384	366.601	0.27		55700
Time series maximum	441943	4752.726	0.79		169818
Units	MT	E03	1/T		MT

Assessment of Bering Sea and Aleutian Islands alaska plaice (*Pleuronectes quadrituberculatus*)

Assessment ID:AFSC-ALPLAICBSAI-1972-2008-MELNYCHUK
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/269

Area ID: USA-NMFS-BSAI

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Wilderbuer WT
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1972-2008
Document	AFSC-ALPLAICBSAI-2008-Alaska plaice BSAI.pdf (pdf in database)
Recorder	MELNYCHUK
Date entered	2009-04-14
Date last loaded	2009-05-22
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
1 - East Bering Sea	na	na

Parameter	Value	Units
REC-AGE-yr	3	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	3+	yr
M-1/yr	0.25	1/yr
NATMORT-1/yr	0.25	1/yr
SSB-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.86	1/yr
NATMORT-1/yr (M)	0.25	1/yr
F40%-1/T	0.62	1/T
SSBmsy-MT (SSB)	129300	MT
SSBF40%-MT	147850	MT
F_{2008}/F_{msy}	0.050	
SSB_{2008}/SSB_{msy}	2.461	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1975	1972	1975	1975	1975
Maximum year	2008	2005	2008	2008	2007
Time series minimum	172125	397000	0.01	1021130	2492
Time series maximum	476423	4080000	0.096	1729330	61638
Units	MT	E03	1/yr	MT	MT

AFSC-ALPLAICBSAI-1972-2008-MELNYCHUK.pdf
Created on 2010-02-17 16:00:15 AST

Assessment of Rhode Island winter flounder (*Pseudopleuronectes americanus*)

Assessment ID:RIDEM-WINFLOUNDRI-1959-2007-COLLIE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/314

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-aggregated surplus production model
Publication year	2008
Timeseries span	1959-2007
Document	NULL (pdf not in database)
Recorder	COLLIE
Date entered	2008-04-12
Date last loaded	2009-05-14
QA/QC complete	YES
Date approved	2009-05-14

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
M-1/T	0.2	1/T
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Bmsy-MT (TB)	5478	MT
Fmsy-1/yr (F)	0.266	1/yr
Fext-1/yr (F)	0.532	1/yr
TB_{2007}/B_{msy}	0.225	
F_{2006}/F_{msy}	2.022	

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/yr	MT	MT

No recruitment data available

No SSB−recruit data available

RIDEM-WINFLOUNDRI-1959-2007-COLLIE.pdf
Created on 2009-12-08 10:43:14 AST

Assessment of Georges Bank winter flounder (*Pseudopleuronectes americanus*)

Assessment ID:NEFSC-WINFLOUN5Z-1982-2007-HENDRICKSON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/330

Area ID: USA-NMFS-5Z

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Lisa Hendrickson
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	2008
Timeseries span	1982-2007
Document	garm3k.pdf (pdf in database)
Recorder	HENDRICKSON
Date entered	2009-04-20
Date last loaded	2009-05-26
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
REC-AGE-yr	1	yr
F-AGE-yr-yr	4-6	yr-yr
A50-yr	1.9	yr
L50-cm	24.9	cm
M-1/yr	0.2	1/yr
SSB-AGE-yr		
TB-AGE-yr		
M		

Reference points

Parameter	Value	Units
F40%-1/T	0.26	1/T
SSBmsy-MT (SSB)	16000	MT
MSY-MT (TB)	3500	MT
Frebuild-1/T (F)	0.254	1/T
SSB_{2006}/SSB_{msy}	0.280	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1982	1982	1982	1982
Maximum year	2006	2006	2007	2006	2007
Time series minimum	3305	2584000	0.248	4447	784.06
Time series maximum	15641	18565000	1.319	19121	4133.06
Units	MT	E03	1/T	MT	MT

NEFSC-WINFLOUN5Z-1982-2007-HENDRICKSON.pdf
Created on 2010-02-25 13:53:54 AST

Assessment of Gulf of Maine winter flounder (*Pseudopleuronectes americanus*)

Assessment ID:NEFSC-WINFLOUND5Y-1982-2008-NITSCHKE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/316

Area ID: USA-NMFS-5Y

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Unknown
Publication year	2008
Timeseries span	1982-2008
Document	crd0815.pdf (pdf in database)
Recorder	NITSCHKE
Date entered	2009-04-22
Date last loaded	2009-05-26
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
A50-yr	3.5	yr
L50-cm	29	cm
M-1/yr	0.2	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		

Reference points

Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					1982
Maximum year					2007
Time series minimum					245.63
Time series maximum					6177.82
Units					MT

No biomass data available

No recruitment data available

No SSB−recruit data available

NEFSC-WINFLOUND5Y-1982-2008-NITSCHKE.pdf
Created on 2010-02-25 13:53:55 AST

Assessment of Southern New England /Mid Atlantic winter flounder (*Pseudopleuronectes americanus*)

Assessment ID:NEFSC-WINFLOUNSNEMATL-1940-2007-TERCEIRO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/117

Area ID: USA-NMFS-SNEMATL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	VPA/ADPAT version 2.3.2 NOAA Fisheries
Publication year	2008
Timeseries span	1940-2007
Document	NMFS-SNEMATL-Pseudopleuronectesamercianus-2008.pdf (pdf not in database)
Recorder	TERCEIRO
Date entered	2008-12-03
Date last loaded	2009-03-17
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
REC-AGE-yr	1	yr
F-AGE-yr-yr	4-5	yr-yr
TB-AGE-yr	1+	yr
A50-yr	3	yr
L50-cm	AVAILABLE	cm
M-1/T	0.2	1/T
SSB-AGE-yr		
M		

Reference points

Parameter	Value	Units
F40%-1/T	0.248	1/T
SSBmsy-MT (SSB)	38761	MT
MSY-MT (TB)	9742	MT
Frebuild-1/T (F)	0	1/T
Blim-MT (SSB)	19381	MT
SSB_{2007}/B_{lim}	0.174	
SSB_{2007}/SSB_{msy}	0.087	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1981	1981	1981	1981	1981
Maximum year	2007	2007	2007	2007	2007
Time series minimum	2098.34	3600	0.425	5188	1563
Time series maximum	14714.39	56200	1.502	37479	15764
Units	MT	E03	1/T	MT	MT

Assessment of North-East Arctic greenland halibut (*Reinhardtius hippoglossoides*)

Assessment ID:AFWG-GHALNEAR-1959-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/76

Area ID: multinational-ICES-I-II

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Arctic Fisheries Working Group
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1959-2007
Document	ICES-AFWG-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-26
Date last loaded	2009-06-01
QA/QC complete	YES
Date approved	2009-05-29

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

primary LME	secondary LME	tertiary LME
20 - Barents Sea	21 - Norwegian Sea	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	5	yr
F-AGE-yr-yr	6 to 10	yr-yr
TB-AGE-yr	5+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.15	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1964	1959	1964	1964	1964
Maximum year	2006	2001	2006	2006	2006
Time series minimum	14516	10569	0.1309	45036	8602
Time series maximum	139620	70443	0.6561	312354	89484
Units	MT	E03	1/T	MT	MT

AFWG-GHALNEAR-1959-2007-JENNINGS.pdf
Created on 2010-05-18 12:33:08 ADT

Assessment of NAFO 01ABCDEF greenland halibut (*Reinhardtius hippoglossoides*)

Assessment ID:NAFO-SC-GHAL01ABCDEF-1987-2006-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/4

Area ID: multinational-NAFO-01ABCDEF

General assessment details.

Detail	Value
Management body	NAFO
Assessment group	NAFO Scientific Council
Assessment authors	Jrgensen, O.A.
Assessment method	Temporal indices derived from scientific survey data
Publication year	2007
Timeseries span	1987-2006
Document	NAFO-GHAL01ABCDEF-2007.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-02-13
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
18 - West Greenland Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.22	1/yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					1987
Maximum year					2006
Time series minimum					388
Time series maximum					12358
Units					MT

No biomass data available

No recruitment data available

No SSB−recruit data available

NAFO-SC-GHAL01ABCDEF-1987-2006-PREFONTAINE.pdf
Created on 2010-03-26 08:53:48 ADT

Assessment of Labrador Shelf - Grand Banks greenland halibut (*Reinhardtius hippoglossoides*)

Assessment ID:NAFO-SC-GHAL23KLMNO-1960-2006-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/164

Area ID: multinational-NAFO-23KLMNO

General assessment details.

Detail	Value
Management body	NAFO
Assessment group	NAFO Scientific Council
Assessment authors	Healey, B.P.
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1960-2006
Document	NAFO-GHAL23KLMNO-2007.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-07-02
Date last loaded	2009-03-17
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
9 - Newfoundland-Labrador Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
M-1/T	0.2	1/T
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
F0.1-1/yr (F)	0.14	1/yr
Fmax-1/yr (F)	0.25	1/yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1975	1975	1975	1975	1960
Maximum year	2006	2006	2006	2006	2006
Time series minimum	2129	42064	0.1285	73913	600
Time series maximum	30050	186714	0.7243	224362	65000
Units	MT	E03	1/T	MT	MT

Assessment of Gulf of St. Lawrence greenland halibut (*Reinhardtius hippoglossoides*)

Assessment ID:DFO-QUE-GHAL4RST-1970-2002-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/165

Area ID: Canada-DFO-4RST

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Quebec Region
Assessment authors	Bernier, B.
Assessment method	Unknown
Publication year	2003
Timeseries span	1970-2002
Document	NAFO-GHAL4RST-2003.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-07-03
Date last loaded	2009-03-17
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
9 - Newfoundland-Labrador Shelf	8 - Scotian Shelf	na

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

Reference points

Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					1970
Maximum year					2002
Time series minimum					683
Time series maximum					11069
Units					MT

No biomass data available

No recruitment data available

No SSB−recruit data available

DFO-QUE-GHAL4RST-1970-2002-PREFONTAINE.pdf
Created on 2010-03-26 08:53:35 ADT

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

Assessment ID:AFSC-GHALBSAI-1960-2009-STANTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/243

Area ID: USA-NMFS-BSAI

General assessment details.

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

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

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

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

Reference points

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

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

No recruitment data available

No SSB−recruit data available

Assessment of Pacific Coast arrowtooth flounder (*Reinhardtius stomias*)

Assessment ID:NWFSC-ARFLOUNDPCOAST-1916-2007-BRANCH
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/22

Area ID: USA-NMFS-PCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Kaplan, I.C.
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1916-2007
Document	NWFSC-ARFLOUNDPCOAST-2007-Arrowtooth flounder.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-19
Date last loaded	2010-03-16
QA/QC complete	YES
Date approved	2009-04-27

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	2 - Gulf of Alaska	na

Parameter	Value	Units
SSB-AGE-yr	4.5	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	3+	yr
L50-cm	37.3	cm
M-1/yr	0.166	1/yr
A50-yr	4.5	yr
M		

Reference points

Parameter	Value	Units
SSBlim-MT (SSB)	35129	MT
SSBmsy-MT (SSB)	16593	MT
Fmsy-1/yr (F)	0.21	1/yr
SSB0-MT (SSB)	80313	MT
R0-E03 (R)	28528	E03
SSBtarget-MT (SSB)	30780	MT
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.11	1/yr
SPRtarget-ratio (SPR)	0.4	ratio
MSY-MT (TB)	5844	MT
BH-h-dimless	0.902	dimless
SSB_{2007}/SSB_{lim}	1.802	
F_{2006}/F_{msy}	0.210	
SSB_{2007}/SSB_{msy}	3.815	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1916	1916	1916	1916	1916
Maximum year	2007	2007	2006	2007	2007
Time series minimum	35128.8	3867.56	0	47228.2	0
Time series maximum	80313.5	126747	0.147	98022.2	7802
Units	MT	E03	1/yr	MT	MT

Assessment of Bering Sea and Aleutian Islands arrowtooth flounder (*Reinhardtius stomias*)

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

Area ID: USA-NMFS-BSAI

General assessment details.

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

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

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

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

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

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

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

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

Area ID: USA-NMFS-GA

General assessment details.

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

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

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

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

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

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

AFSC-ARFLOUNDGA-1958-2010-STANTON.pdf
Created on 2010-05-12 14:36:37 ADT

Assessment of VIIIc-IXa fourspotted megrim (*Lepidorhombus boscii*)

Assessment ID:WGHMM-FMEG8c9a-1986-2006-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/49

Area ID: multinational-ICES-VIIIc-IXa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Southern Shelf Stocks of Hake, Monk and Megrim
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1986-2006
Document	ICES-WGHMM-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-24
Date last loaded	2009-06-01
QA/QC complete	YES
Date approved	2009-05-28

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

primary LME	secondary LME	tertiary LME
25 - Iberian Coastal	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	2 to 4	yr-yr
TB-AGE-yr	0+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.2	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1986	1986	1986	1986	1986
Maximum year	2006	2006	2006	2006	2006
Time series minimum	3598	9961	0.2312	4214	720
Time series maximum	7270	53785	0.5178	8214	2629
Units	MT	E03	1/T	MT	MT

WGHMM-FMEG8c9a-1986-2006-JENNINGS.pdf
Created on 2010-05-18 12:33:29 ADT

Assessment of VIIIc-IXa megrim (*Lepidorhombus whiffiagonis*)

Assessment ID:WGHMM-MEG8c9a-1985-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/50

Area ID: multinational-ICES-VIIIc-IXa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Southern Shelf Stocks of Hake, Monk and Megrim
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1985-2007
Document	ICES-WGHMM-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-24
Date last loaded	2009-06-01
QA/QC complete	YES
Date approved	2009-05-28

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

primary LME	secondary LME	tertiary LME
25 - Iberian Coastal	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	2 to 4	yr-yr
TB-AGE-yr	1+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.2	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1986	1985	1986	1986	1986
Maximum year	2006	2005	2006	2006	2006
Time series minimum	954	1360	0.1219	1134	117
Time series maximum	2557	12138	0.4583	2955	977
Units	MT	E03	1/T	MT	MT

WGHMM-MEG8c9a-1985-2007-JENNINGS.pdf
Created on 2010-05-18 12:33:34 ADT

Assessment of Southern New England /Mid Atlantic windowpane (*Scophthalmus aquosus*)

Assessment
ID:NEFSC-WINDOWSNEMATL-1975-2007-HENDRICKSON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/328

Area ID: USA-NMFS-SNEMATL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Survey based stock assessment method
Publication year	2008
Timeseries span	1975-2007
Document	crd0815.pdf (pdf in database)
Recorder	HENDRICKSON
Date entered	2009-04-20
Date last loaded	2009-10-07
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
L50-cm	21.2	cm
M-1/yr	0.2	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
MSY-MT (TB)	500	MT
Bpa-relative	0.17	relative
Umsy-ratio (U)	1.47	ratio
Bmsy-relative	0.34	relative
TB_{2007}/B_{msy}	0.562	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1977	1975	1975
Maximum year			2007	2007	2007
Time series minimum			0.7	0.124	181.22
Time series maximum			18.56	1.917	5399.87
Units			ratio	relative	MT

No recruitment data available

No SSB−recruit data available

Assessment of Gulf of Maine / Georges Bank windowpane (*Scophthalmus aquosus*)

Assessment ID:NEFSC-WINDOWGOMGB-1975-2007-HENDRICKSON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/329

Area ID: USA-NMFS-5YZ

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Survey based stock assessment method
Publication year	2008
Timeseries span	1975-2007
Document	garm3p.pdf (pdf in database)
Recorder	HENDRICKSON
Date entered	2009-04-20
Date last loaded	2009-10-05
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
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
L50-cm	22.5	cm
M-1/yr	0.2	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
MSY-MT (TB)	700	MT
Bpa-relative	0.70	relative
Umsy-ratio (U)	0.50	ratio
Bmsy-relative	1.40	relative
TB_{2007}/B_{msy}	0.173	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1977	1975	1975
Maximum year			2007	2007	2007
Time series minimum			0.114	0.193	104.76
Time series maximum			7.588	3.305	3645.29
Units			ratio	relative	MT

No recruitment data available

No SSB−recruit data available

Assessment of Bay of Biscay common european sole (*Solea vulgaris*)

Assessment ID:WGHMM-SOLEVIII-1982-2006-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/54

Area ID: multinational-ICES-VIII

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Southern Shelf Stocks of Hake, Monk and Megrim
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1982-2006
Document	ICES-WGHMM-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-23
Date last loaded	2010-03-11
QA/QC complete	YES
Date approved	2009-05-29

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	25 - Iberian Coastal	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	2	yr
F-AGE-yr-yr	3 to 6	yr-yr
TB-AGE-yr	2+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.1	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Flim-1/T (F)	0.58	1/T
Fpa-1/T (F)	0.42	1/T
SSBpa-MT (SSB)	13000	MT
F_{2006}/F_{lim}	0.893	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1984	1982	1984	1984	1984
Maximum year	2006	2004	2006	2006	2006
Time series minimum	9556	16530	0.3739	12915	3990
Time series maximum	16618	36055	0.8083	20609	7227
Units	MT	E03	1/T	MT	MT

Assessment of Celtic Sea common european sole (*Solea vulgaris*)

Assessment ID:WGSSDS-SOLECS-1970-2006-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/55

Area ID: multinational-ICES-VIIf-g

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Southern Shelf Demersal Stocks
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1970-2006
Document	ICES-WGSSDS-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-23
Date last loaded	2010-03-11
QA/QC complete	YES
Date approved	2009-05-29

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	4 to 8	yr-yr
TB-AGE-yr	1+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.1	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Flim-1/T (F)	0.52	1/T
Fpa-1/T (F)	0.37	1/T
SSBpa-MT (SSB)	2200	MT
F_{2006}/F_{lim}	0.637	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1971	1970	1971	1971	1971
Maximum year	2006	2005	2006	2006	2006
Time series minimum	1602	2964	0.187	2963	780
Time series maximum	7942	14698	0.667	9404	1861
Units	MT	E03	1/T	MT	MT

WGSSDS-SOLECS-1970-2006-JENNINGS.pdf
Created on 2010-05-18 12:33:51 ADT

Assessment of Kattegat and Skagerrak common european sole (*Solea vulgaris*)

Assessment ID:WGBFAS-SOLEIIIa-1982-2007-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/80

Area ID: multinational-ICES-IIIa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Baltic Fisheries Assessment Working Group
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1982-2007
Document	ICES-WGBFAS-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-27
Date last loaded	2010-03-11
QA/QC complete	YES
Date approved	2009-05-29

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

primary LME	secondary LME	tertiary LME
22 - North Sea	na	na

Parameter	Value	Units
SSB-AGE-yr	3	yr
REC-AGE-yr	2	yr
F-AGE-yr-yr	4 to 8	yr-yr
TB-AGE-yr	2+	yr
A50-yr	3	yr
M-1/T	0.1	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points

Parameter	Value	Units
Flim-1/T (F)	0.47	1/T
Fpa-1/T (F)	0.3	1/T
SSBlim-MT (SSB)	770	MT
SSBpa-MT (SSB)	1060	MT
SSB_{2007}/SSB_{lim}	5.384	
F_{2006}/F_{lim}	0.462	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1984	1982	1984	1984	1984
Maximum year	2007	2005	2006	2006	2006
Time series minimum	885	1145	0.1935	1390	337
Time series maximum	4742	9266	0.6063	6715	1439
Units	MT	E03	1/T	MT	MT

WGBFAS-SOLEIIIa-1982-2007-JENNINGS.pdf
Created on 2010-05-18 12:33:25 ADT

Assessment of Western English Channel common european sole (*Solea vulgaris*)

Assessment ID:WGSSDS-SOLEVIIe-1968-2006-JENNINGS
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/78

Area ID: multinational-ICES-VIIe

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Southern Shelf Demersal Stocks
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1968-2006
Document	ICES-WGSSDS-2007.pdf (pdf in database)
Recorder	JENNINGS
Date entered	2008-11-25
Date last loaded	2010-03-11
QA/QC complete	YES
Date approved	2009-05-29

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	AVAILABLE	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	3 to 7	yr-yr
TB-AGE-yr	1+	yr
A50-yr	AVAILABLE	yr
M-1/T	0.1	1/T
SSB-SEX-sex		
M		
L50-cm		

Reference points

Parameter	Value	Units
Flim-1/T (F)	0.28	1/T
Fpa-1/T (F)	0.2	1/T
SSBlim-MT (SSB)	2000	MT
SSBpa-MT (SSB)	2800	MT
SSB_{2006}/SSB_{lim}	1.154	
F_{2006}/F_{lim}	1.521	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1969	1968	1969	1969	1969
Maximum year	2006	2005	2006	2006	2006
Time series minimum	2308	1635	0.122	3354	353
Time series maximum	5421	8952	0.434	6877	1498
Units	MT	E03	1/T	MT	MT

WGSSDS-SOLEVIIe-1968-2006-JENNINGS.pdf
Created on 2010-05-18 12:33:53 ADT

Assessment of Eastern English Channel common european sole (*Solea vulgaris*)

Assessment ID:WGNSSK-SOLEVIId-1981-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/396

Area ID: multinational-ICES-VIId

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1981-2006
Document	ICES-WGNSSK-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-13
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
A50-yr	3	yr
SSB-AGE-yr	3+	yr
REC-AGE-yr	1	yr
TB-AGE-yr	1+	yr
M-1/T	0.1	1/T
F-AGE-yr-yr	3-8	yr-yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSBpa-MT (SSB)	8000	MT
Fpa-1/T (F)	0.4	1/T
Flim-1/T (F)	0.55	1/T
F0.1-1/T	0.13	1/T
Fmax-1/T	0.3	1/T
F_{2006}/F_{lim}	0.653	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1982	1981	1982	1982	1982
Maximum year	2006	2005	2006	2006	2006
Time series minimum	7876	11007	0.2938	10484	3190
Time series maximum	13442	61817	0.5792	22566	5038
Units	MT	E03	1/T	MT	MT

Assessment of Irish Sea common european sole (*Solea vulgaris*)

Assessment ID:WGNSDS-SOLEIS-1968-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/386

Area ID: multinational-ICES-VIIa

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Northern Shelf Demersal Stocks
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1968-2006
Document	ICES-WGNSDS-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-15
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
24 - Celtic-Biscay Shelf	na	na

Parameter	Value	Units
A50-yr	2-3	yr
SSB-AGE-yr	2+	yr
REC-AGE-yr	2	yr
TB-AGE-yr	2+	yr
F-AGE-yr-yr	4-7	yr-yr
M-1/T	0.1	1/T
M		
L50-cm		

Reference points

Parameter	Value	Units
Fmax-1/T	0.51	1/T
F0.1-1/T	0.18	1/T
Fpa-1/T (F)	0.3	1/T
SSBpa-MT (SSB)	3800	MT
SSBlim-MT (SSB)	2800	MT
Flim-1/T (F)	0.4	1/T
SSB_{2006}/SSB_{lim}	0.625	
F_{2006}/F_{lim}	1.062	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1970	1968	1970	1970	1970
Maximum year	2006	2004	2006	2006	2006
Time series minimum	1750	1886	0.263	2155	569
Time series maximum	6540	23415	0.8401	8359	2808
Units	MT	E03	1/T	MT	MT

Assessment of North Sea common european sole (*Solea vulgaris*)

Assessment ID:WGNSSK-SOLENS-1956-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/395

Area ID: multinational-ICES-IV

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Assessment authors	Anon
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1956-2006
Document	ICES-WGNSSK-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-13
Date last loaded	2010-03-15
QA/QC complete	YES
Date approved	2009-06-10

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

primary LME	secondary LME	tertiary LME
22 - North Sea	na	na

Parameter	Value	Units
A50-yr	3	yr
SSB-AGE-yr	3+	yr
REC-AGE-yr	1	yr
M-1/T	0.1	1/T
F-AGE-yr-yr	2-6	yr-yr
TB-AGE-yr	1+	yr
M		
L50-cm		

Reference points

Parameter	Value	Units
SSBlim-MT (SSB)	25000	MT
SSBpa-MT (SSB)	35000	MT
Fpa-1/T (F)	0.4	1/T
F0.1-1/T	0.119	1/T
Fmax-1/T	0.51	1/T
SSB_{2006}/SSB_{lim}	1.120	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1957	1956	1957		1957
Maximum year	2006	2005	2006		2006
Time series minimum	20945	11.727	0.17		11342
Time series maximum	117094	538.987	0.7		35120
Units	MT	E03	1/T		MT

WGNSSK-SOLENS-1956-2006-MINTO.pdf
Created on 2010-03-17 10:30:23 ADT

Assessment of Gulf of Maine / Georges Bank-Southern New England thorny skate (*Amblyraja radiata*)

Assessment ID:NEFSC-TSKAT5YZSNE-1963-2005-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/433

Area ID: USA-NMFS-5YZSNE

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2007
Timeseries span	1963-2005
Document	skates2007.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-21
Date last loaded	2009-12-14
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
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					
Maximum year					
Time series minimum					
Time series maximum					
Units					

No biomass data available

No recruitment data available

No SSB−recruit data available

Assessment of Canadian Atlantic Ocean barndoor skate (*Dipturus laevis*)

Assessment ID:DFO-MAR-BSKATCANATL-1970-1987-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/151

Area ID: Canada-DFO-ATL

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Maritimes Region
Assessment authors	Simon, James E.
Assessment method	Temporal indices derived from scientific survey data
Publication year	2002
Timeseries span	1970-1987
Document	NAFO-BARNSK-2002.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-07-09
Date last loaded	2009-03-17
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
8 - Scotian Shelf	7 - Northeast U.S. Continental Shelf	9 - Newfoundland-Labrador Shelf

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					
Maximum year					
Time series minimum					
Time series maximum					
Units					

No biomass data available

No recruitment data available

No exploitation data available

No SSB−recruit data available

DFO-MAR-BSKATCANATL-1970-1987-PREFONTAINE.pdf
Created on 2010-03-26 08:53:15 ADT

Assessment of Gulf of Maine / Georges Bank-Southern New England barndoor skate (*Dipturus laevis*)

Assessment ID:NEFSC-BSKAT5YZSNE-1963-2005-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/428

Area ID: USA-NMFS-5YZSNE

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2007
Timeseries span	1963-2005
Document	skates2007.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-21
Date last loaded	2009-12-11
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
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					
Maximum year					
Time series minimum					
Time series maximum					
Units					

No biomass data available

No recruitment data available

No SSB−recruit data available

Assessment of Gulf of Maine / Cape Hatteras little skate (*Leucoraja erinacea*)

Assessment ID:NEFSC-LSKAT5YCHATT-1968-2006-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/430

Area ID: USA-NMFS-5YCHATT

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2007
Timeseries span	1968-2006
Document	skates2007.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-21
Date last loaded	2009-12-14
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
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					
Maximum year					
Time series minimum					
Time series maximum					
Units					

No biomass data available

No recruitment data available

No SSB−recruit data available

NEFSC-LSKAT5YCHATT-1968-2006-SOSEBEE.pdf
Created on 2010-02-25 13:53:11 AST

Assessment of Mid-Atlantic Coast rosette skate (*Leucoraja garmani*)

Assessment ID:NEFSC-RSKATMATLC-1967-2005-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/431

Area ID: USA-NMFS-MATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2007
Timeseries span	1967-2005
Document	skates2007.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-21
Date last loaded	2009-12-14
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	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					
Maximum year					
Time series minimum					
Time series maximum					
Units					

No biomass data available

No recruitment data available

No SSB−recruit data available

Assessment of Gulf of Maine / Cape Hatteras winter skate (*Leucoraja ocellata*)

Assessment ID:NEFSC-WSKAT5YCHATT-1967-2005-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/434

Area ID: USA-NMFS-5YCHATT

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2007
Timeseries span	1967-2005
Document	skates2007.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-21
Date last loaded	2009-12-14
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
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					
Maximum year					
Time series minimum					
Time series maximum					
Units					

No biomass data available

No recruitment data available

No SSB−recruit data available

NEFSC-WSKAT5YCHATT-1967-2005-SOSEBEE.pdf
Created on 2010-02-25 13:54:01 AST

Assessment of Gulf of Maine / Georges Bank-Southern New England smooth skate (*Malacoraja senta*)

Assessment ID:NEFSC-SSKAT5YZSNE-1963-2005-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/432

Area ID: USA-NMFS-5YZSNE

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2007
Timeseries span	1963-2005
Document	skates2007.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-21
Date last loaded	2009-12-14
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
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					
Maximum year					
Time series minimum					
Time series maximum					
Units					

No biomass data available

No recruitment data available

No SSB−recruit data available

Assessment of Mid-Atlantic Coast clearnose skate (*Raja eglanteria*)

Assessment ID:NEFSC-CSKATMATLC-1975-2005-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/429

Area ID: USA-NMFS-MATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Temporal indices derived from scientific survey data
Publication year	2007
Timeseries span	1975-2005
Document	skates2007.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-21
Date last loaded	2009-12-11
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	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					
Maximum year					
Time series minimum					
Time series maximum					
Units					

No biomass data available

No recruitment data available

No SSB−recruit data available

Assessment of Pacific Coast longnose skate (*Raja rhina*)

Assessment ID:NWFSC-LNOSESKAPCOAST-1915-2007-BRANCH
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/41

Area ID: USA-NMFS-PCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Gertseva VV
Assessment method	Stock Synthesis v2.0 model
Publication year	2008
Timeseries span	1915-2007
Document	NWFSC-LNOSESKAPCOAST-2008-Longnose skate.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-23
Date last loaded	2009-06-02
QA/QC complete	YES
Date approved	2009-06-02

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
REC-AGE-yr	0	yr
F-AGE-yr-yr	2+	yr-yr
TB-AGE-yr	0+	yr
L50-cm	120	cm
M-1/yr	0.2	1/yr
SSB-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Blim-MT (TB)	4617	MT
Bmsy-MT (TB)	2626	MT
Fmsy-1/yr (F)	0.027	1/yr
SSB0-MT (SSB)	7034	MT
R0-E03 (R)	15454	E03
SSBtarget-MT (SSB)	2814	MT
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.0257	1/yr
SPRtarget-ratio (SPR)	0.4	ratio
MSY-MT (TB)	1268	MT
BH-h-dimless	0.4	dimless
TB_{2007}/B_{msy}	27.120	
F_{2007}/F_{msy}	0.800	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1915	1915	1915	1915	1915
Maximum year	2007	2007	2007	2007	2007
Time series minimum	4617.13	12918.1	0	70670.6	0
Time series maximum	7034.32	15454.2	0.0688	90955.2	3212.68
Units	MT	E03	ratio	MT	MT

Assessment of Pacific Coast sablefish (*Anoplopoma fimbria*)

Assessment ID:NWFSC-SABLEFPCOAST-1900-2007-BRANCH
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/42

Area ID: USA-NMFS-PCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Schirripa MJ
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1900-2007
Document	NWFSC-SABLEFPCOAST-2007-Sablefish.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-23
Date last loaded	2009-06-02
QA/QC complete	YES
Date approved	2009-06-02

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

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

Parameter	Value	Units
SSB-AGE-yr	5.5	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	2+	yr-yr
TB-AGE-yr	2+	yr
L50-cm	55.3	cm
M-1/yr	0.07	1/yr
M		
A50-yr		

Reference points

Parameter	Value	Units
Blim-MT (TB)	76036	MT
Bmsy-MT (TB)	91559	MT
Fmsy-1/yr (F)	0.0333	1/yr
SSB0-MT (SSB)	244688	MT
R0-E03 (R)	17656	E03
SSBtarget-MT (SSB)	97919	MT
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.0313	1/yr
SPRtarget-ratio (SPR)	0.4	ratio
MSY-MT (TB)	6303	MT
BH-h-dimless	0.48	dimless
TB_{2007}/B_{msy}	2.126	
F_{2007}/F_{msy}	0.691	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1900	1900	1900	1900	1900
Maximum year	2007	2007	2007	2007	2007
Time series minimum	76036.2	2103.55	0	156707	0
Time series maximum	244809	34500.6	0.069	464403	26105.8
Units	MT	E03	1/yr	MT	MT

Assessment of Eastern Bering Sea / Aleutian Islands / Gulf of Alaska sablefish (*Anoplopoma fimbria*)

Assessment ID:AFSC-SABLEFEBSAIGA-1956-2008-MELNYCHUK
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/266

Area ID: USA-NMFS-EBSAIGA

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Hanselman D
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1956-2008
Document	AFSC-SABLEFEBSAIGA-2008-Sablefish EBS AI GA.pdf (pdf in database)
Recorder	MELNYCHUK
Date entered	2009-04-14
Date last loaded	2009-05-20
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
1 - East Bering Sea	2 - Gulf of Alaska	na

Parameter	Value	Units
SSB-AGE-yr	6.5	yr
REC-AGE-yr	2	yr
TB-AGE-yr	4+	yr
A50-yr	6.5	yr
L50-cm	65	cm
M-1/yr	0.1	1/yr
NATMORT-1/yr	0.1	1/yr
F-AGE-yr		
M		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.101	1/yr
NATMORT-1/yr (M)	0.1	1/yr
F40%-1/T	0.085	1/T
MSY-MT (TB)	19000	MT
Bmsy-MT (TB)	100730	MT
SSB0-MT (SSB)	287800	MT
SSBF40%-MT	115120	MT
TB_{2008}/B_{msy}	2.283	
F_{2008}/F_{msy}	0.663	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1960	1958	1960	1960	1956
Maximum year	2008	2006	2008	2008	2008
Time series minimum	85000	600	0.011	191000	477
Time series maximum	223000	85500	0.173	579000	53080
Units	MT	E03	1/yr	MT	MT

AFSC-SABLEFEBSAIGA-1956-2008-MELNYCHUK.pdf
Created on 2010-02-17 16:01:05 AST

Assessment of Northern California cabezon (*Scorpaenichthys marmoratus*)

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

Area ID: USA-NMFS-NCAL

General assessment details.

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

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

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

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

Reference points

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

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

AFSC-CABEZNCAL-1916-2005-STANTON.pdf
Created on 2010-05-12 14:36:40 ADT

Assessment of Southern California cabezon (*Scorpaenichthys marmoratus*)

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

Area ID: USA-NMFS-SCAL

General assessment details.

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

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

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

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

Reference points

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

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

AFSC-CABEZSCAL-1932-2005-STANTON.pdf
Created on 2010-05-12 14:36:42 ADT

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

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

Area ID: USA-NMFS-ORECOAST

General assessment details.

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

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

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

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

Reference points

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

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

NWFSC-KELPGREENLINGORECOAST-1979-2005-STANTON.pdf
Created on 2010-05-12 14:37:16 ADT

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

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

Area ID: USA-NMFS-NPCOAST

General assessment details.

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

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

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

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

Reference points

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

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

PFMC-LINGCODNPCOAST-1956-2005-STANTON.pdf
Created on 2010-05-12 14:37:27 ADT

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

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

Area ID: USA-NMFS-SPCOAST

General assessment details.

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

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

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

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

Reference points

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

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

PFMC-LINGCODSPCOAST-1956-2005-STANTON.pdf
Created on 2010-05-12 14:37:29 ADT

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

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

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

Area ID: USA-NMFS-BSAI

General assessment details.

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

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

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

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

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

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

AFSC-ATKABSAI-1976-2009-STANTON.pdf
Created on 2010-05-12 14:36:39 ADT

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

Assessment ID:CSIRO-TIGERFLATSE-1913-2006-FULTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/92

Area ID: Australia-AFMA-SE

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	NULL (pdf not in database)
Recorder	FULTON
Date entered	2008-04-30
Date last loaded	2009-06-12
QA/QC complete	YES
Date approved	2009-06-11

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

primary LME	secondary LME	tertiary LME
42 - Southeast Australian Shelf	na	na

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		

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

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1913	1913	1913	1913	1913
Maximum year	2006	2006	2005	2006	2006
Time series minimum	2133.08	4041.4	0	7266.84	0
Time series maximum	25546.5	19879.9	0.384656	50789.9	4643.5
Units	MT	E03		MT	MT

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

Assessment ID:CSIRO-DEEPFLATHEADSE-1978-2007-FULTON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/99

Area ID: Australia-AFMA-SE

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	NULL (pdf not in database)
Recorder	FULTON
Date entered	2008-04-30
Date last loaded	2009-06-11
QA/QC complete	YES
Date approved	2009-06-11

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

primary LME	secondary LME	tertiary LME
43 - Southwest Australian Shelf	na	na

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		

Reference points		
Parameter	Value	Units
Blim-MT (TB)	1369.38	MT
SSBmsy-MT (SSB)	3286.512	MT
BH-h-dimless	0.85	dimless
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

CSIRO-DEEPFLATHEADSE-1978-2007-FULTON.pdf
Created on 2010-04-08 12:01:55 ADT

Assessment of N and SW Grand Banks redfish species (*Redfish species*)

Assessment ID:NAFO-SC-REDFISHSPP3LN-1959-2008-BAUM
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/351

Area ID: multinational-NAFO-3LN

General assessment details.

Detail	Value
Management body	NAFO
Assessment group	NAFO Scientific Council
Assessment authors	vila de Melo, A. M.
Assessment method	Surplus production model
Publication year	2008
Timeseries span	1959-2008
Document	NAFO-3LN-Redfishspp-2008.pdf (pdf in database)
Recorder	BAUM
Date entered	2009-05-28
Date last loaded	2010-05-05
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
9 - Newfoundland-Labrador Shelf	na	na

Parameter	Value	Units
TB-AGE-yr	ALL AGES	yr
L50-cm	30-34	cm
REC-AGE		
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
A50-yr		

Reference points		
Parameter	Value	Units
Fmsy-1/T (F)	0.172	1/T
MORATOR-yr-yr	1998-2008	yr-yr
MSY-MT (TB)	24440	MT
Bmsy-MT (TB)	141900	MT
TB_{2008}/B_{msy}	1.880	
F_{2007}/F_{msy}	0.041	

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year			1959	1959	1959
Maximum year			2007	2008	2007
Time series minimum			0.002	49370	451
Time series maximum			0.522	266800	79031
Units			1/T	MT	MT

No recruitment data available

No SSB−recruit data available

Assessment of West Greenland redfish species (*Redfish species*)

Assessment ID:NAFO-SC-REDFISHSPP1-1965-2004-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/172

Area ID: multinational-NAFO-1

General assessment details.

Detail	Value
Management body	NAFO
Assessment group	NAFO Scientific Council
Assessment authors	Siegstad, Helle
Assessment method	Unknown
Publication year	2005
Timeseries span	1965-2004
Document	NAFO-RED1-2005.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-07-29
Date last loaded	2009-03-17
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
18 - West Greenland Shelf	na	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					1965
Maximum year					2004
Time series minimum					300
Time series maximum					31000
Units					MT

No biomass data available

No recruitment data available

No SSB−recruit data available

NAFO-SC-REDFISHSPP1-1965-2004-PREFONTAINE.pdf
Created on 2010-03-26 08:53:51 ADT

Assessment of Labrador - NE Newfoundland redfish species (*Redfish species*)

Assessment
ID:DFO-NFLD-REDFISHSPP23K-1959-2001-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/175

Area ID: Canada-DFO-23K

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Newfoundland Region
Assessment authors	Power, D.
Assessment method	Unknown
Publication year	2001
Timeseries span	1959-2001
Document	NAFO-RED23K-2001.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-08-19
Date last loaded	2009-03-17
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
9 - Newfoundland-Labrador Shelf	na	na

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

Reference points

Parameter	Value	Units
F0.1-1/yr (F)	0.12	1/yr
MORATOR-yr-yr	1997-2001	yr-yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					1959
Maximum year					2001
Time series minimum					3
Time series maximum					186837
Units					MT

No biomass data available

No recruitment data available

No SSB−recruit data available

DFO-NFLD-REDFISHSPP23K-1959-2001-PREFONTAINE.pdf
Created on 2010-03-26 08:53:30 ADT

Assessment of N and SW Grand Banks redfish species (*Redfish species*)

Assessment ID:NAFO-SC-REDFISHSPP3LN-1959-2007-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/174

Area ID: multinational-NAFO-3LN

General assessment details.

Detail	Value
Management body	NAFO
Assessment group	NAFO Scientific Council
Assessment authors	vila de Melo, A. M.
Assessment method	Surplus production model
Publication year	2007
Timeseries span	1959-2007
Document	NAFO-RED3LN-2007.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-07-27
Date last loaded	2009-03-17
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
9 - Newfoundland-Labrador Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	NULL	yr
L50-cm	30-34	cm
REC-AGE-yr	NULL	yr
L50-cm	30-34	cm
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		

Reference points		
Parameter	Value	Units
Bmsy-MT (TB)	136000	MT
Fmsy-1/yr (F)	0.2	1/yr
MORATOR-yr-yr	1998-PRESENT	yr-yr
Bmsy-MT (TB)	136000	MT
Fmsy-1/yr (F)	0.2	1/yr
MORATOR-yr-yr	1998-PRESENT	yr-yr
TB_{2007}/B_{msy}	1.909	
F_{2006}/F_{msy}	0.005	

Time series minima and maxima				
	SSB	R	F	TB	Catch
Minimum year			1999	1999	1999
Maximum year			2006	2007	2006
Time series minimum			0.001	197900	182
Time series maximum			0.014	259600	657
Units			1/T	MT	MT

No recruitment data available

No SSB−recruit data available

Assessment of Flemish Cap redfish species (*Redfish species*)

Assessment ID:NAFO-SC-REDFISHSPP3M-1989-2006-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/173

Area ID: multinational-NAFO-3M

General assessment details.

Detail	Value
Management body	NAFO
Assessment group	NAFO Scientific Council
Assessment authors	vila de Melo, A. M.
Assessment method	Extended Survivor Analysis
Publication year	2007
Timeseries span	1989-2006
Document	NAFO-RED3M-2007.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-07-28
Date last loaded	2009-03-17
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
9 - Newfoundland-Labrador Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	4	yr
F-AGE-yr-yr	6-16	yr-yr
TB-AGE-yr	4+	yr
A50-yr	15	yr
M-1/T	0.1	1/T
SSB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1989	1989	1989	1989	1989
Maximum year	2006	2006	2006	2006	2006
Time series minimum	3640	14280	0.0463	24168	1011
Time series maximum	48810	666290	0.7453	209223	80223
Units	MT	E03	1/T	MT	MT

NAFO-SC-REDFISHSPP3M-1989-2006-PREFONTAINE.pdf
Created on 2010-03-26 08:53:53 ADT

Assessment of Gulf of St. Lawrence and Cabot Strait redfish species (*Redfish species*)

Assessment ID:DFO-QUE-REDFISHSPP3Pn4RSTVn-1953-2000-PREFONTAINE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/176

Area ID: Canada-DFO-3Pn4RSTVn

General assessment details.

Detail	Value
Management body	DFO
Assessment group	Department of Fisheries and Oceans - Quebec Region
Assessment authors	Morin, B.
Assessment method	Temporal indices derived from scientific survey data
Publication year	2001
Timeseries span	1953-2000
Document	NAFO-RED3Pn4RSTVn.pdf (pdf not in database)
Recorder	PREFONTAINE
Date entered	2008-07-25
Date last loaded	2009-03-17
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
9 - Newfoundland-Labrador Shelf	8 - Scotian Shelf	na

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

Reference points

Parameter	Value	Units
MORATOR-yr-yr	1995-PRESENT	yr-yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					1953
Maximum year					2000
Time series minimum					39
Time series maximum					136101
Units					MT

No biomass data available

No recruitment data available

No SSB−recruit data available

DFO-QUE-REDFISHSPP3Pn4RSTVn-1953-2000-PREFONTAINE.pdf
Created on 2010-03-26 08:53:40 ADT

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

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

Area ID: USA-NMFS-SCAL

General assessment details.

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

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

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

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

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

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

SWFSC-CALSCORPSCAL-1990-2005-STANTON.pdf
Created on 2010-05-12 14:37:42 ADT

Assessment of Gulf of Alaska rougheye rockfish (*Sebastes aleutianus*)

Assessment ID:AFSC-REYEROCKGA-1974-2007-MELNYCHUK
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/290

Area ID: USA-NMFS-GA

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Shotwell, S. Kalei
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1974-2007
Document	AFSC-RYEROCKGA-2008-Rougheye rockfish GA.pdf (pdf in database)
Recorder	MELNYCHUK
Date entered	2009-04-23
Date last loaded	2009-05-22
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
REC-AGE-yr	3	yr
TB-AGE-yr	3+	yr
A50-yr	19	yr
L50-cm	43.9	cm
M-1/yr	0.034	1/yr
NATMORT-1/yr	0.034	1/yr
SSB-AGE-yr	19	yr
F-AGE-yr		
M		

Reference points		
Parameter	Value	Units
Fmsy-1/T (F)	0.047	1/T
NATMORT-1/yr (M)	0.034	1/yr
F40%-1/T	0.039	1/T
SSBmsy-MT (SSB)	8694	MT
SSBF40%-MT	9935	MT
F_{2007}/F_{msy}	0.255	
SSB_{2007}/SSB_{msy}	1.638	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1977	1974	1977	1977	1977
Maximum year	2007	2004	2007	2007	2007
Time series minimum	12709	1000	0.004	41889	130
Time series maximum	17865	4000	0.067	49471	2418
Units	MT	E03	1/yr	MT	MT

AFSC-REYEROCKGA-1974-2007-MELNYCHUK.pdf
Created on 2010-02-17 16:00:57 AST

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

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

Area ID: USA-NMFS-BSAI

General assessment details.

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

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

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

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

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

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

AFSC-REYEROCKBSAI-1974-2009-STANTON.pdf
Created on 2010-05-12 14:36:58 ADT

Assessment of Pacific Coast pacific ocean perch (*Sebastes alutus*)

Assessment ID:NWFSC-POPERCHPCOAST-1953-2007-BRANCH
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/63

Area ID: USA-NMFS-PCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Hamel OS
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2007
Timeseries span	1953-2007
Document	NWFSC-POPERCHPCOAST-2007-Pacific ocean perch.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-24
Date last loaded	2010-03-19
QA/QC complete	YES
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
REC-AGE-yr	3	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	3+	yr
M-1/yr	0.053	1/yr
A50-yr	8	yr
SSB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
SSBlim-MT (SSB)	6856	MT
SSBmsy-MT (SSB)	14793	MT
Fmsy-1/yr (F)	0.0382	1/yr
SSB0-MT (SSB)	36983	MT
R0-E06 (R)	4.97	E06
SSBtarget-MT (SSB)	14793	MT
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.0388	1/yr
SPRtarget-ratio (SPR)	0.4	ratio
MSY-MT (TB)	1411	MT
BH-h-dimless	0.652	dimless
SSB_{2007}/SSB_{lim}	1.483	
SSB_{2007}/SSB_{msy}	0.687	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1956	1953	1956	1956	1956
Maximum year	2007	2003	2007	2007	2006
Time series minimum	6856	530	0	17543.8	75
Time series maximum	33654	46800	0.259	86898.1	18761
Units	MT	E03	1/yr	MT	MT

Assessment of Gulf of Alaska pacific ocean perch (*Sebastes alutus*)

Assessment ID:AFSC-POPERCHGA-1959-2008-MELNYCHUK
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/289

Area ID: USA-NMFS-GA

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Hanselman, D.
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1959-2008
Document	AFSC-POPERCHGA-2008-Pacific ocean perch GA.pdf (pdf in database)
Recorder	MELNYCHUK
Date entered	2009-04-17
Date last loaded	2009-05-26
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	10.5	yr
REC-AGE-yr	2	yr
TB-AGE-yr	2+	yr
A50-yr	10.5	yr
M-1/yr	0.06	1/yr
NATMORT-1/yr	0.06	1/yr
F-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.073	1/yr
NATMORT-1/yr (M)	0.06	1/yr
F40%-1/T	0.061	1/T
SSBmsy-MT (SSB)	78045	MT
SSBF40%-MT	89195	MT
F_{2007}/F_{msy}	0.726	
SSB_{2008}/SSB_{msy}	1.165	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1961	1959	1961	1961	1961
Maximum year	2008	2005	2007	2008	2007
Time series minimum	14473	12000	0.012	68002	800
Time series maximum	189300	236000	0.816	1174760	348600
Units	MT	E03	1/yr	MT	MT

AFSC-POPERCHGA-1959-2008-MELNYCHUK.pdf
Created on 2010-02-17 16:00:52 AST

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

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

Area ID: USA-NMFS-EBSAI

General assessment details.

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

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

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

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

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

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

AFSC-PERCHEBSAI-1974-2009-STANTON.pdf
Created on 2010-05-12 14:36:55 ADT

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

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

Area ID: USA-NMFS-BSAI

General assessment details.

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

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

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

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

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

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

No recruitment data available

No SSB−recruit data available

AFSC-SRAKEROCKBSAI-1977-2008-STANTON.pdf
Created on 2010-05-12 14:37:00 ADT

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	2010-02-10
QA/QC complete	YES
Date approved	2010-02-10

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

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

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

Reference points

Parameter	Value	Units
NATMORT-1/yr (M)	0.2	1/yr
SSBmsy-MT (SSB)	758	MT
MSY-MT (TB)	101	MT
Umsy-ratio (U)	0.103	ratio
SSB0-MT (SSB)	1995	MT
B0-MT	2440	MT
SSBmsy-MT (SSB)	798	MT
BH-h-dimless	0.65	dimless
SSB_{2005}/SSB_{msy}	2.547	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1965	1990		1990	1990
Maximum year	2005	2005		2005	2004
Time series minimum	642	1440		2048	50
Time series maximum	2432	8073		2814	208
Units	MT	E03		MT	MT

SWFSC-GOPHERSPCOAST-1965-2005-STANTON.pdf
Created on 2010-05-12 14:37:45 ADT

Assessment of Pacific Coast darkblotched rockfish (*Sebastes crameri*)

Assessment ID:NWFSC-DKROCKPCOAST-1928-2007-BRANCH
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/43

Area ID: USA-NMFS-PCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Hamel OS
Assessment method	Stock Synthesis v2.0 model
Publication year	2008
Timeseries span	1928-2007
Document	NWFSC-DKROCKPCOAST-2008-Darkblotched rockfish.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-23
Date last loaded	2010-03-05
QA/QC complete	YES
Date approved	2009-04-27

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
REC-AGE-yr	0	yr
F-AGE-yr-yr	1+	yr-yr
TB-AGE-yr	0+	yr
L50-cm	34.5	cm
M-1/yr	0.07	1/yr
SSB-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Blim-MT (TB)	3176	MT
Fmsy-1/yr (F)	0.048	1/yr
R0-E03 (R)	3295	E03
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.041	1/yr
SPRtarget-ratio (SPR)	0.5	ratio
MSY-MT (TB)	644	MT
SSBmsy-E03eggs	937600000	E03eggs
SSB0-E03eggs	3064000000	E03eggs
SSBtarget-E03eggs	1225600000	E03eggs
BH-h-dimless	0.6	dimless
F_{2006}/F_{msy}	0.312	
SSB_{2007}/SSB_{msy}	0.731	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1928	1928	1928	1928	1928
Maximum year	2007	2007	2006	2007	2006
Time series minimum	317600000	342	0	6031	1
Time series maximum	3064100000	5921	0.199	34527	4129
Units	E03eggs	E03	1/yr	MT	MT

Assessment of Pacific Coast widow rockfish (*Sebastes entomelas*)

Assessment ID:NWFSC-WROCKPCOAST-1955-2006-BRANCH
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/62

Area ID: USA-NMFS-PCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	He X
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2007
Timeseries span	1955-2006
Document	NWFSC-WROCKPCOAST-2007-widow.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-23
Date last loaded	2010-03-05
QA/QC complete	YES
Date approved	2010-03-08

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
REC-AGE-yr	3	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	3+	yr
M-1/yr	0.125	1/yr
SSB-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
BH-h-dimless	0.29	dimless
Blim-MT (TB)	39194	MT
SSBmsy-E06eggs (SSB)	20298	E06eggs
Fmsy-1/yr (F)	0.121	1/yr
SSB0-E06eggs (SSB)	50746	E06eggs
SSBtarget-E06eggs (SSB)	20298	E06eggs
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.121	1/yr
SPRtarget-ratio (SPR)	0.4	ratio
F_{2006}/F_{msy}	0.050	
SSB_{2006}/SSB_{msy}	2.339	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1958	1955	1958	1958	1958
Maximum year	2006	2003	2006	2006	2006
Time series minimum	39194	7470	0	87514	0
Time series maximum	132416	90448	0.434	270818	27005
Units	MT	E03	1/yr	MT	MT

NWFSC-WROCKPCOAST-1955-2006-BRANCH.pdf
Created on 2010-03-23 12:23:27 ADT

Assessment of Gulf of Maine / Georges Bank acadian redfish (*Sebastes fasciatus*)

Assessment ID:NEFSC-ACADREDGOMGB-1913-2007-MILLER
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/317

Area ID: USA-NMFS-5YZ

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Age Structured Assessment Program
Publication year	2008
Timeseries span	1913-2007
Document	AcadianRedfish2008.pdf (pdf in database)
Recorder	MILLER
Date entered	2009-04-16
Date last loaded	2009-11-08
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
F-AGE-yr-yr	10+	yr-yr
A50-yr	5	yr
M-1/yr	0.05	1/yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
M		
L50-cm		

Reference points

Parameter	Value	Units
F40%-1/T	0.0377	1/T
SSBmsy-MT (SSB)	27100	MT
MSY-MT (TB)	10139	MT
SSB_{2007}/SSB_{msy}	8.657	

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	8350.72	879.565	1.08e-05		7
Time series maximum	646477	206252	0.818588		55892
Units	MT	E03	1/yr		MT

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

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

Area ID: USA-NMFS-NPCOAST

General assessment details.

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

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

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

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

Reference points

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

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

NWFSC-YTROCKNPCOAST-1967-2005-STANTON.pdf
Created on 2010-05-12 14:37:25 ADT

Assessment of Southern Pacific Coast chilipepper (*Sebastes goodei*)

Assessment ID:NWFSC-CHILISPCOAST-1892-2007-BRANCH
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/83

Area ID: USA-NMFS-SPCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Field JG
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1892-2007
Document	NWFSC-CHILISPCOAST-2007-Chilipepper CA OR.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-21
Date last loaded	2009-03-17
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
REC-AGE-yr	0	yr
F-AGE-yr-yr	1-80	yr-yr
TB-AGE-yr	0+	yr
M-1/yr	0.16	1/yr
SSB-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Blim-MT (TB)	8666	MT
Bmsy-MT (TB)	12126	MT
Fmsy-1/yr (F)	0.112	1/yr
SSB0-MT (SSB)	33390	MT
R0-E03 (R)	34490	E03
SSBtarget-MT (SSB)	21034	MT
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.102	1/yr
SPRtarget-ratio (SPR)	0.4	ratio
MSY-MT (TB)	2164	MT
BH-h-dimless	0.573	dimless
TB_{2007}/B_{msy}	2.772	
F_{2006}/F_{msy}	0.036	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1892	1892	1892	1892	1892
Maximum year	2007	2007	2006	2007	2006
Time series minimum	8666	3130	0.001	15209	21
Time series maximum	33391	153415	0.163	47214	3960
Units	MT	E03	1/yr	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
REC-AGE-yr	0	yr
F-AGE-yr-yr	1+	yr-yr
TB-AGE-yr	1+	yr
M-1/yr	0.26	1/yr
SSB-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
R0-E03 (R)	309.248	E03
BH-h-dimless	0.65	dimless

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

SWFSC-SBELLYROCKPCOAST-1950-2005-BRANCH.pdf
Created on 2010-03-23 12:23:31 ADT

Assessment of Southern California cowcod (*Sebastes levis*)

Assessment ID:NWFSC-COWCODSCAL-1900-2007-BRANCH
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/40

Area ID: USA-NMFS-SCAL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Dick EJ
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1900-2007
Document	NWFSC-COWCODSCAL-2007-Cowcod CA.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-21
Date last loaded	2009-06-02
QA/QC complete	YES
Date approved	2009-06-02

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	11+	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	1+	yr-yr
TB-AGE-yr	1+	yr
M-1/yr	0.055	1/yr
A50-yr	11	yr
L50-cm	43	cm
M		

Reference points

Parameter	Value	Units
Blim-MT (TB)	38	MT
SSBmsy-MT (SSB)	995	MT
Fmsy-1/yr (F)	0.027	1/yr
SSB0-MT (SSB)	2488	MT
R0-E03 (R)	109.9	E03
SSBtarget-MT (SSB)	995	MT
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.027	1/yr
SPRtarget-ratio (SPR)	0.4	ratio
MORATOR-yr-yr	2001-present	yr-yr
B0-MT	5291	MT
BH-h-dimless	0.6	dimless
F_{2007}/F_{msy}	0.074	
SSB_{2007}/SSB_{msy}	0.094	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1900	1900	1900	1900	1900
Maximum year	2007	2007	2007	2007	2007
Time series minimum	38.3	9.4	0	124.6	0.01
Time series maximum	2488.1	109.9	0.485	5293.1	325.54
Units	MT	E03	1/yr	MT	MT

Assessment of Northern Pacific Coast black rockfish (*Sebastes melanops*)

Assessment ID:NWFSC-BLACKROCKNPCOAST-1914-2006-BRANCH
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/38

Area ID: USA-NMFS-NPCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Wallace F.R.
Assessment method	Stock Synthesis v2.0 model
Publication year	2008
Timeseries span	1914-2006
Document	NWFSC-BLACKROCKNPCOAST-2007-Black rockfish NOR WA.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-20
Date last loaded	2010-03-16
QA/QC complete	YES
Date approved	2009-04-27

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	10.31	yr
REC-AGE-yr	1	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	0+	yr
L50-cm	43.7	cm
M-1/yr	0.16	1/yr
A50-yr	10.31	yr
M		

Reference points

Parameter	Value	Units
BH-h-dimless	0.6	dimless
SSBlim-E06larvae	606	E06larvae
SSBmsy-E06lar (SSB)	698.62	E06larvae
Fmsy-1/yr (F)	0.141	1/yr
SSB0-MT (SSB)	2321	MT
R0-E03 (R)	3377	E03
SSBtarget-MT (SSB)	928.4	MT
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.065	1/yr
SPRtarget-ratio (SPR)	0.4	ratio
MSY-MT (TB)	700	MT
SSB_{2006}/SSB_{lim}	2.045	
F_{2006}/F_{msy}	0.468	
SSB_{2006}/SSB_{msy}	1.774	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1915	1914	1915	1915	1915
Maximum year	2006	2005	2006	2006	2006
Time series minimum	605.66	1688.87	0	6437	0
Time series maximum	2320.71	5354.79	0.208	13226	703.9
Units	MT	E03	1/yr	MT	MT

Assessment of Southern Pacific Coast black rockfish (*Sebastes melanops*)

Assessment ID:NWFSC-BLACKROCKSPCOAST-1915-2007-BRANCH
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/37

Area ID: USA-NMFS-SPCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Sampson, D.B.
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1915-2007
Document	NWFSC-BLACKROCKSPCOAST-2007-Black rockfish OR CA.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-19
Date last loaded	2010-03-16
QA/QC complete	YES
Date approved	2009-05-01

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	7.1	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	2+	yr-yr
TB-AGE-yr	0+	yr
L50-cm	39.53	cm
M-1/yr	0.16	1/yr
A50-yr	7.1	yr
M		

Reference points

Parameter	Value	Units
BH-h-dimless	0.6	dimless
SSBlim-MT (SSB)	1614	MT
SSBmsy-E06lar (SSB)	1444.6	E06larvae
Fmsy-1/yr (F)	0.08864	1/yr
SSB0-E06lar (SSB)	4578	E06larvae
R0-E03 (R)	7852	E03
SSBtarget-MT (SSB)	1831.4	MT
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.07227	1/yr
SPRtarget-ratio (SPR)	0.5	ratio
MSY-MT (TB)	1064.6	MT
SSB_{2007}/SSB_{lim}	1.999	
F_{2006}/F_{msy}	0.327	
SSB_{2007}/SSB_{msy}	2.233	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1915	1915	1915	1915	1915
Maximum year	2007	2007	2006	2007	2006
Time series minimum	1614.2	3264	0	13206	0
Time series maximum	4578.5	14068	0.094	29344	1455.3
Units	E06larvae	E03	1/yr	MT	MT

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

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

Area ID: USA-NMFS-PCOAST

General assessment details.

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

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

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

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

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

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

Assessment of North-East Arctic deepwater redfish (*Sebastes mentella*)

Assessment ID:AFWG-REDDEEPI-II-1985-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/368

Area ID: multinational-ICES-I-II

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Arctic Fisheries Working Group
Assessment authors	Anon
Assessment method	Temporal indices derived from scientific survey data
Publication year	2007
Timeseries span	1985-2006
Document	ICES-AFWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-07
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
20 - Barents Sea	21 - Norwegian Sea	na

Parameter	Value	Units
A50-yr	13	yr
REC-AGE		
SSB-AGE-yr		
TB-AGE-yr		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year					1985
Maximum year					2006
Time series minimum					10361
Time series maximum					92552
Units					MT

No biomass data available

No recruitment data available

No SSB−recruit data available

Assessment of California blue rockfish (*Sebastes mystinus*)

Assessment ID:NWFSC-BLUEROCKCAL-1916-2007-BRANCH
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/39

Area ID: USA-NMFS-CAL

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Key, M
Assessment method	Stock Synthesis v2.0 model
Publication year	2008
Timeseries span	1916-2007
Document	NWFSC-BLUEROCKCAL-2007-Blue rockfish CA.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-21
Date last loaded	2009-06-02
QA/QC complete	YES
Date approved	2009-06-02

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	6+	yr
REC-AGE-yr	0	yr
F-AGE-yr-yr	1+	yr-yr
TB-AGE-yr	1+	yr
L50-cm	29	cm
M-1/yr	0.12	1/yr
A50-yr	6	yr
M		

Reference points

Parameter	Value	Units
Blim-MT (TB)	205	MT
SSBmsy-E06lar (SSB)	831	E06larvae
Fmsy-1/yr (F)	0.0403	1/yr
SSB0-MT (SSB)	2077	MT
R0-E03 (R)	3220	E03
SSBtarget-E06lar (SSB)	831	E06larvae
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.0403	1/yr
SPRtarget-ratio (SPR)	0.5	ratio
MSY-MT (TB)	275	MT
B0-MT	13223	MT
BH-h-dimless	0.58	dimless
F_{2007}/F_{msy}	1.191	
SSB_{2007}/SSB_{msy}	0.748	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1916	1916	1916	1916	1916
Maximum year	2007	2007	2007	2007	2007
Time series minimum	205	519	0	2979	0.4
Time series maximum	2077	7792	0.192	13223	865.6
Units	E06larvae	E03	1/yr	MT	MT

Assessment of North-East Arctic golden redfish (*Sebastes norvegicus*)

Assessment ID:AFWG-GOLDREDNEAR-1986-2006-MINTO
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/365

Area ID: multinational-ICES-I-II

General assessment details.

Detail	Value
Management body	ICES
Assessment group	Arctic Fisheries Working Group
Assessment authors	Anon
Assessment method	Globally Applicable area-Disaggregated General Ecosystem Toolbox - An ecosystem-based management tool used for assessment
Publication year	2007
Timeseries span	1986-2006
Document	ICES-AFWG-2007.pdf (pdf in database)
Recorder	MINTO
Date entered	2008-04-07
Date last loaded	2009-06-08
QA/QC complete	YES
Date approved	2009-06-08

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

primary LME	secondary LME	tertiary LME
20 - Barents Sea	21 - Norwegian Sea	na

Parameter	Value	Units
A50-yr	12	yr
REC-AGE-yr	3	yr
SSB-AGE-yr	4+	yr
M-1/T	0.10	1/T
TB-AGE-yr	3+	yr
F-AGE-yr-yr	12-19	yr-yr
M		
L50-cm		

Reference points		
Parameter	Value	Units
MORATOR-yr-yr	2004-2007	yr-yr

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1990	1987	1990	1990	1986
Maximum year	2006	2003	2006	2006	2006
Time series minimum	32572	3547	0.129	47231	7037
Time series maximum	75317	44912	0.252	163536	30203
Units	MT	E03	1/T	MT	MT

Assessment of Southern Pacific Coast bocaccio (*Sebastes paucispinis*)

Assessment ID:NWFSC-BOCACCSPCOAST-1951-2006-BRANCH
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/61

Area ID: USA-NMFS-SPCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	MacCall AD
Assessment method	Stock Synthesis v1.0 model
Publication year	2008
Timeseries span	1951-2006
Document	NWFSC-BOCACCSPCOAST-2007 Bocaccio.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-23
Date last loaded	2010-03-19
QA/QC complete	YES
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
REC-AGE-yr	1	yr
F-AGE-yr-yr	1+	yr-yr
TB-AGE-yr	1+	yr
M-1/yr	0.15	1/yr
SSB-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.063	1/yr
R0-E03 (R)	5449	E03
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.063	1/yr
SPRtarget-ratio (SPR)	0.5	ratio
MSY-MT (TB)	1974	MT
SSBmsy-E03eggs	5429000000	E03eggs
SSB0-E03eggs	13572000000	E03eggs
SSBtarget-E03eggs	5429000000	E03eggs
BH-h-dimless	0.44	dimless
SSBlim-E03eggs	802000000	E03eggs
SSB_{2006}/SSB_{lim}	2.153	
F_{2006}/F_{msy}	0.095	
SSB_{2006}/SSB_{msy}	0.318	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1951	1951	1951	1951	1951
Maximum year	2006	2005	2006	2006	2006
Time series minimum	802000000	50	0.002	4796	14
Time series maximum	7910000000	52337	0.305	47280	8494
Units	E03eggs	E03	1/yr	MT	MT

Assessment of Pacific Coast canary rockfish (*Sebastes pinniger*)

Assessment ID:NWFSC-CROCKPCOAST-1916-2007-BRANCH
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/84

Area ID: USA-NMFS-PCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Stewart, Ian J.
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1916-2007
Document	NWFSC-CROCKPCOAST-2007-Canary.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-10
Date last loaded	2009-03-17
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
REC-AGE-yr	0	yr
F-AGE-yr-yr	5-35	yr-yr
TB-AGE-yr	0	yr
L50-cm	40.5	cm
M-1/T	0.06	1/T
SSB-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Blim-MT (TB)	4202	MT
SSBmsy-MT (SSB)	12394	MT
Flim-1/yr (F)	0.04	1/yr
Fmsy-1/yr (F)	0.094	1/yr
SSB0-MT (SSB)	32561	MT
R0-E03 (R)	4210	E03
SSBtarget-MT (SSB)	13041	MT
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.04	1/yr
SPRtarget-ratio (SPR)	0.5	ratio
MSY-MT (TB)	1169	MT
BH-h-dimless	0.511	dimless
F_{2006}/F_{lim}	0.050	
F_{2006}/F_{msy}	0.021	
SSB_{2007}/SSB_{msy}	0.851	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1916	1916	1916	1916	1916
Maximum year	2007	2007	2006	2007	2006
Time series minimum	4202	955	0.002	15147	47
Time series maximum	32561	4572	0.194	87633	5544
Units	MT	E03	1/yr	MT	MT

Assessment of Gulf of Alaska northern rockfish (*Sebastes polyspinis*)

Assessment ID:AFSC-NROCKGA-1959-2008-MELNYCHUK
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/282

Area ID: USA-NMFS-GA

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Heifetz, J
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1959-2008
Document	AFSC-NROCKGA-2008-Northern rockfish GA.pdf (pdf in database)
Recorder	MELNYCHUK
Date entered	2009-04-17
Date last loaded	2009-05-22
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
REC-AGE-yr	2	yr
F-AGE-yr-yr	2-22+	yr-yr
TB-AGE-yr	2+	yr
A50-yr	13	yr
L50-cm	36.1	cm
M-1/yr	0.06	1/yr
NATMORT-1/yr	0.06	1/yr
SSB-AGE-yr		
M		

Reference points

Parameter	Value	Units
Fmsy-1/yr (F)	0.073	1/yr
NATMORT-1/yr (M)	0.06	1/yr
F40%-1/T	0.061	1/T
SSBmsy-MT (SSB)	19500	MT
SSBF40%-MT	22300	MT
F_{2007}/F_{msy}	0.658	
SSB_{2008}/SSB_{msy}	1.496	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1961	1959	1961	1961	1961
Maximum year	2008	2005	2007	2008	2007
Time series minimum	24187	5800	0.002	82464	185
Time series maximum	80449	87500	0.149	187340	17430
Units	MT	E03	1/yr	MT	MT

AFSC-NROCKGA-1959-2008-MELNYCHUK.pdf
Created on 2010-02-17 16:00:43 AST

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

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

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

Area ID: USA-NMFS-BSAI

General assessment details.

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

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

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

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

Reference points

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

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

AFSC-NROCKBSAI-1974-2009-STANTON.pdf
Created on 2010-05-12 14:36:51 ADT

Assessment of Pacific Coast yelloweye rockfish (*Sebastes ruberrimus*)

Assessment ID:NWFSC-YEYEROCKPCOAST-1923-2006-BRANCH
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/65

Area ID: USA-NMFS-PCOAST

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northwest Fisheries Science Center
Assessment authors	Wallace GR
Assessment method	Stock Synthesis v2.0 model
Publication year	2007
Timeseries span	1923-2006
Document	NWFSC-YEYEROCKPCOAST-2007-yelloweye.pdf (pdf in database)
Recorder	BRANCH
Date entered	2008-11-23
Date last loaded	2009-03-17
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
REC-AGE-yr	0	yr
F-AGE-yr-yr	3+	yr-yr
TB-AGE-yr	1+	yr
L50-cm	36	cm
M-1/yr	0.036	1/yr
SSB-AGE-yr		
M		
A50-yr		

Reference points

Parameter	Value	Units
Blim-MT (TB)	739	MT
Bmsy-MT (TB)	1179	MT
Fmsy-1/yr (F)	0.017	1/yr
SSB0-MT (SSB)	3062	MT
R0-E03 (R)	157.8	E03
SSBtarget-MT (SSB)	1225	MT
SSBmin-ratio (SSB)	0.25	ratio
Ftarget-1/yr (F)	0.018	1/yr
SPRtarget-ratio (SPR)	0.4	ratio
MSY-MT (TB)	51.4	MT
BH-h-dimless	0.45	dimless
TB_{2006}/B_{msy}	1.111	
F_{2006}/F_{msy}	0.647	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1923	1923	1923	1923	1923
Maximum year	2006	2006	2006	2006	2006
Time series minimum	739.11	31.2	0	1141	0
Time series maximum	6124.01	918.6	0.167	7082.2	460
Units	MT	E03	1/yr	MT	MT

Assessment of Gulf of Alaska dusky rockfish (*Sebastes variabilis*)

Assessment ID:AFSC-DUSROCKGA-1973-2008-MELNYCHUK
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/283

Area ID: USA-NMFS-GA

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Alaska Fisheries Science Center
Assessment authors	Lunsford, C.R.
Assessment method	an AD-Model builder statistical Catch at Age Model
Publication year	2008
Timeseries span	1973-2008
Document	AFSC-DUSROCKGA-2008-Dusky rockfish GA.pdf (pdf in database)
Recorder	MELNYCHUK
Date entered	2009-04-21
Date last loaded	2009-05-22
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	11.3	yr
REC-AGE-yr	4	yr
TB-AGE-yr	4+	yr
A50-yr	11.3	yr
L50-cm	42.8	cm
M-1/yr	0.07	1/yr
NATMORT-1/yr	0.07	1/yr
F-AGE-yr		
M		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.107	1/yr
NATMORT-1/yr (M)	0.07	1/yr
F40%-1/T	0.087	1/T
SSBmsy-MT (SSB)	15511	MT
SSBF40%-MT	17727	MT
F_{2007}/F_{msy}	0.542	
SSB_{2007}/SSB_{msy}	1.541	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1977	1973	1977	1977	1977
Maximum year	2007	2003	2007	2007	2008
Time series minimum	7159	1000	0.001	19948	17
Time series maximum	23907	19000	0.096	72771	4538
Units	MT	E03	1/yr	MT	MT

AFSC-DUSROCKGA-1973-2008-MELNYCHUK.pdf
Created on 2010-02-17 16:00:31 AST

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

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

Area ID: USA-NMFS-PCOAST

General assessment details.

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

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

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

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

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

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

NWFSC-SSTHORNHPCOAST-1901-2005-STANTON.pdf
Created on 2010-05-12 14:37:24 ADT

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

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

Area ID: USA-NMFS-PCOAST

General assessment details.

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

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

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

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

Reference points

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

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

NWFSC-LSTHORNHPCOAST-1962-2005-STANTON.pdf
Created on 2010-05-12 14:37:18 ADT

Assessment of Atlantic Coast spiny dogfish (*Squalus acanthias*)

Assessment ID:NEFSC-SDOGATLC-1962-2006-SOSEBEE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/427

Area ID: USA-NMFS-ATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Unknown
Publication year	2006
Timeseries span	1962-2006
Document	spinydogfish2006.pdf (pdf in database)
Recorder	SOSEBEE
Date entered	2009-04-21
Date last loaded	2009-12-11
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	na

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1990	1968	1990	1990	1981
Maximum year	2005	2006	2005	2005	2005
Time series minimum	47720	50	0.082	337690	6707.68
Time series maximum	269620	9820	0.474	664850	36063.57
Units	MT	MT	1/T	MT	MT

Assessment of Gulf of Mexico gray triggerfish (*Balistes capriscus*)

Assessment ID:SEFSC-GTRIGGM-1981-2004-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/67

Area ID: USA-NMFS-GM

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Southeast Fisheries Science Center
Assessment authors	NULL
Assessment method	Age-structured surplus production model
Publication year	2006
Timeseries span	1981-2004
Document	JENSEN_GTRIGGM_2006.pdf (pdf not in database)
Recorder	JENSEN
Date entered	2008-11-21
Date last loaded	2010-03-05
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
5 - Gulf of Mexico	na	na

Parameter	Value	Units
M-1/yr	0.27	1/yr
REC-AGE		
SSB-AGE-yr		
SSB-SEX-sex		
TB-AGE-yr		
F-AGE-yr		
M		
A50-yr		
L50-cm		

Reference points

Parameter	Value	Units
Flim-1/yr (F)	0.269	1/yr
Fmsy-1/T (F)	0.45	1/T
MSY-MT (TB)	743	MT
SSBmsy-E03eggs	1210000000	E03eggs
F_{2004}/F_{lim}	1.599	
F_{2004}/F_{msy}	0.956	
SSB_{2004}/SSB_{msy}	1.116	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1981	1981	1981		
Maximum year	2004	2003	2004		
Time series minimum	1180000000	1464.6	0.26		
Time series maximum	2670000000	3971.1	0.66		
Units	E03eggs	E03	1/yr		

SEFSC-GTRIGGM-1981-2004-JENSEN.pdf
Created on 2010-05-18 12:38:12 ADT

Assessment of Northwestern Atlantic Coast northern shortfin squid (*Illex illecebrosus*)

Assessment ID:NEFSC-ILLEXNWATLC-1967-2005-HENDRICKSON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/332

Area ID: USA-NMFS-NWATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Hendrickson and Showell
Assessment method	Age-aggregated surplus production model
Publication year	2006
Timeseries span	1967-2005
Document	scr06-46.pdf (pdf in database)
Recorder	HENDRICKSON
Date entered	2009-04-20
Date last loaded	2009-05-26
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	8 - Scotian Shelf	9 - Newfoundland-Labrador Shelf

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

Reference points		
Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year				1967	1967
Maximum year				2005	2005
Time series minimum				0.1	995
Time series maximum				9.3	26097
Units				relative	MT

No recruitment data available

No SSB−recruit data available

NEFSC-ILLEXNWATLC-1967-2005-HENDRICKSON.pdf
Created on 2010-02-25 13:53:09 AST

Assessment of Atlantic Coast ocean quahog (*Arctica islandica*)

Assessment ID:NEFSC-QUAHATLC-1978-2008-CHUTE
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/437

Area ID: USA-NMFS-ATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Delay difference model
Publication year	2009
Timeseries span	1978-2008
Document	quahog.pdf (pdf in database)
Recorder	CHUTE
Date entered	2009-12-29
Date last loaded	2010-01-04
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
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	variable	yr
REC-AGE-yr	13-28 years to 50% commercial selectivity	yr
A50-yr	19	yr
L50-cm	6.4	cm
M-1/yr	0.02	1/yr
TB-AGE-yr		
F-AGE-yr		
M		

Reference points

Parameter	Value	Units

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1978	1978	1978
Maximum year			2008	2008	2008
Time series minimum			0.0045	1586000	10415000
Time series maximum			0.011	2412000	22477000
Units			1/T	MT	MT

No recruitment data available

No SSB−recruit data available

Assessment of Mid-Atlantic Coast atlantic surfclam (*Spisula solidissima*)

Assessment ID:NEFSC-SURFMATLC-1965-2008-JACOBSON
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/436

Area ID: USA-NMFS-MATLC

General assessment details.

Detail	Value
Management body	NMFS
Assessment group	Northeast Fisheries Science Center
Assessment authors	Northeast Fisheries Science Center
Assessment method	Delay difference model
Publication year	2007
Timeseries span	1965-2008
Document	Surfclam2007.pdf (pdf in database)
Recorder	JACOBSON
Date entered	2009-04-22
Date last loaded	2010-01-04
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
7 - Northeast U.S. Continental Shelf	na	na

Parameter	Value	Units
SSB-AGE-yr	0.25	yr
REC-AGE-yr	5.936	yr
F-AGE-yr-yr	5.9+	yr-yr
TB-AGE-yr	5.9+	yr
M-1/yr	0.15	1/yr
M		
A50-yr		
L50-cm		

Reference points		
Parameter	Value	Units
Blim-MT (SSB)	878	MT
Bmsy-MT (TB)	543	MT
Fmsy-1/yr (F)	0.15	1/yr
Fmsy-1/T (F)	0.15	1/T
TB_{2008}/B_{msy}	1616.943	
F_{2008}/F_{msy}	0.181	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year			1981	1981	1982
Maximum year			2008	2008	1994
Time series minimum			0.0176	831000	21.151
Time series maximum			0.0316	1092000	27.627
Units			1/T	MT	MT

No recruitment data available

No SSB−recruit data available

Assessment of West end of Chatham Rise black oreo (*Allocyttus niger*)

Assessment ID:NZMFishDEEPWATER-BLACKOREOWECR-1973-2007-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/220

Area ID: New Zealand-MFish-WECR

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Deepwater Working Group
Assessment authors	
Assessment method	CASAL
Publication year	
Timeseries span	1973-2007
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-04-07
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
46 - New Zealand Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	1	yr
TB-AGE-yr	1	yr
A50-yr	38	yr
M-1/yr	0.044	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
SSB0-MT (SSB)	88923	MT
MSY-MT (TB)	1947	MT
SSBmsy-MT (SSB)	27427	MT
Fmsy-1/yr (F)	0.0341	1/yr
BH-h-dimless	0.75	dimless
F_{2007}/F_{msy}	0.825	
SSB_{2007}/SSB_{msy}	0.991	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1973	1973	1973	1973	1973
Maximum year	2007	2006	2007	2007	2007
Time series minimum	25981.7	18900	0.006334863	143796	709.97
Time series maximum	89015.2	22700	0.1291476	227865	12638.29
Units	MT	E03	1/yr	MT	MT

NZMFishDEEPWATER-BLACKOREOWECR-1973-2007-JENSEN.pdf
Created on 2010-05-18 12:37:18 ADT

Assessment of Chatham Rise smooth oreo (*Pseudocyttus maculatus*)

Assessment ID:NZMFishDEEPWATER-SMOOTHOREOCR-1979-2006-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/423

Area ID: New Zealand-MFish-CR

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Deepwater Working Group
Assessment authors	
Assessment method	CASAL
Publication year	
Timeseries span	1979-2006
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-11-05
Date last loaded	2010-02-01
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
46 - New Zealand Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	5	yr
TB-AGE-yr	5	yr
A50-yr	30.5	yr
M-1/yr	0.063	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
BH-h-dimless	0.75	dimless
Fmsy-1/yr (F)	0.0955	1/yr
MSY-MT (TB)	5132.855	MT
SSBmsy-MT (SSB)	50242.75375	MT
SSB0-MT (SSB)	197417.5	MT
F_{2006}/F_{msy}	0.385	
SSB_{2006}/SSB_{msy}	2.249	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1979	1979	1979	1979	1979
Maximum year	2006	2001	2006	2006	2006
Time series minimum	112982.4	31400	0.0003339579	207166	114
Time series maximum	197417.5	33200	0.03908979	295065	7771
Units	MT	E03	1/yr	MT	MT

Assessment of West end of Chatham Rise smooth oreo (*Pseudocyttus maculatus*)

Assessment ID:NZMFishDEEPWATER-SMOOTHOREOWECR-1973-2004-JENSEN
Issue URL: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/221

Area ID: New Zealand-MFish-WECR

General assessment details.

Detail	Value
Management body	MFish
Assessment group	Deepwater Working Group
Assessment authors	
Assessment method	CASAL
Publication year	
Timeseries span	1973-2004
Document	NULL (pdf not in database)
Recorder	JENSEN
Date entered	2009-04-07
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
46 - New Zealand Shelf	na	na

Parameter	Value	Units
REC-AGE-yr	5	yr
TB-AGE-yr	5	yr
A50-yr	25.5	yr
M-1/yr	0.063	1/yr
SSB-AGE-yr		
SSB-SEX-sex		
F-AGE-yr		
M		
L50-cm		

Reference points		
Parameter	Value	Units
Fmsy-1/yr (F)	0.0793	1/yr
MSY-MT (TB)	2218.0808	MT
SSBmsy-MT (SSB)	21242.3892	MT
BH-h-dimless	0.75	dimless
SSB0-MT (SSB)	85310.8	MT
F_{2004}/F_{msy}	0.531	
SSB_{2004}/SSB_{msy}	1.249	

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1973	1973	1973	1973	1973
Maximum year	2004	1999	2004	2004	2004
Time series minimum	22693.3	10000	0.006769455	62262	650
Time series maximum	83773.4	12300	0.1694174	128639	6960
Units	MT	E03	1/yr	MT	MT

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