

US Southeast and Gulf Stocks

v4.25 (Jan-28-2018)

1. Bonnethead shark Atlantic [BHEADSHARATL]
2. Black Grouper Gulf of Mexico and South Atlantic [BLACKGROUPERGMSATL]
3. Blueline tilefish Southern Atlantic coast [BLTILESATLC]
4. Blacknose shark Atlantic [BNOSESHARATL]
5. Brown shrimp Gulf of Mexico [BRNSHRIMPGM]
6. Black sea bass South Atlantic [BSBASSSATL]
7. Blacktip shark Atlantic [BTIPSHARATL]
8. Blacktip shark Gulf of Mexico [BTIPSHARGM]
9. Cobia Gulf of Mexico [COBGM]
10. Cobia Southern Atlantic coast [COBSATLC]
11. Dusky shark Gulf of Mexico and Atlantic [DSKSHARGMATL]
12. Finetooth shark Atlantic [FTOOTHSHARATL]
13. Gag Gulf of Mexico [GAGGM]
14. Gag Southern Atlantic coast [GAGSATLC]
15. Goliath grouper Southern Atlantic coast and Gulf of Mexico [GLGROUPSATLCGM]
16. Greater amberjack Gulf of Mexico [GRAMBERGM]
17. Greater amberjack Southern Atlantic coast [GRAMBERSATLC]
18. Gray triggerfish Gulf of Mexico [GTRIGGM]
19. Hogfish Eastern Gulf of Mexico [HOGFISHEGM]
20. Hogfish Southeast Florida [HOGFISHSEFL]
21. King mackerel Gulf of Mexico [KMACKGM]
22. King mackerel Southern Atlantic Coast [KMACKSATLC]
23. Longfin inshore squid Atlantic Coast [LISQUIDATLC]
24. Gulf menhaden Gulf of Mexico [MENATGM]
25. Mutton snapper Southern Atlantic coast and Gulf of Mexico [MUTSNAPSATLCGM]
26. Pink shrimp Gulf of Mexico [PINKSHRIMPGM]
27. Red grouper Gulf of Mexico [RGROUPGM]
28. Red grouper South Atlantic [RGROUPSATL]
29. Red porgy Southern Atlantic coast [RPORGYSATLC]
30. Red snapper Gulf of Mexico [RSNAPGM]
31. Red snapper Southern Atlantic coast [RSNAPSATLC]
32. Sandbar shark Atlantic [SBARSHARATL]
33. Silk snapper Caribbean [SKSNAPCARIB]
34. Atlantic sharpnose shark Atlantic [SNOSESHARATL]
35. Snowy grouper Southern Atlantic coast [SNOWGROUPSATLC]
36. Spanish mackerel Gulf of Mexico [SPANMACKGM]
37. Spanish mackerel Southern Atlantic Coast [SPANMACKSATLC]
38. Tilefish Gulf of Mexico [TILEGM]
39. Tilefish Southern Atlantic coast [TILESATLC]
40. Vermilion snapper Gulf of Mexico [VSNAPGM]
41. Vermilion snapper Southern Atlantic coast [VSNAPSATLC]
42. White shrimp Gulf of Mexico [WSHRIMPGM]
43. Yellowedge grouper Gulf of Mexico [YEGROUPGM]
44. Yellowtail Snapper Southern Atlantic Coast and Gulf of Mexico [YTSNAPSATLCGM]

Bonnethead shark Atlantic [BHEADSHARATL]

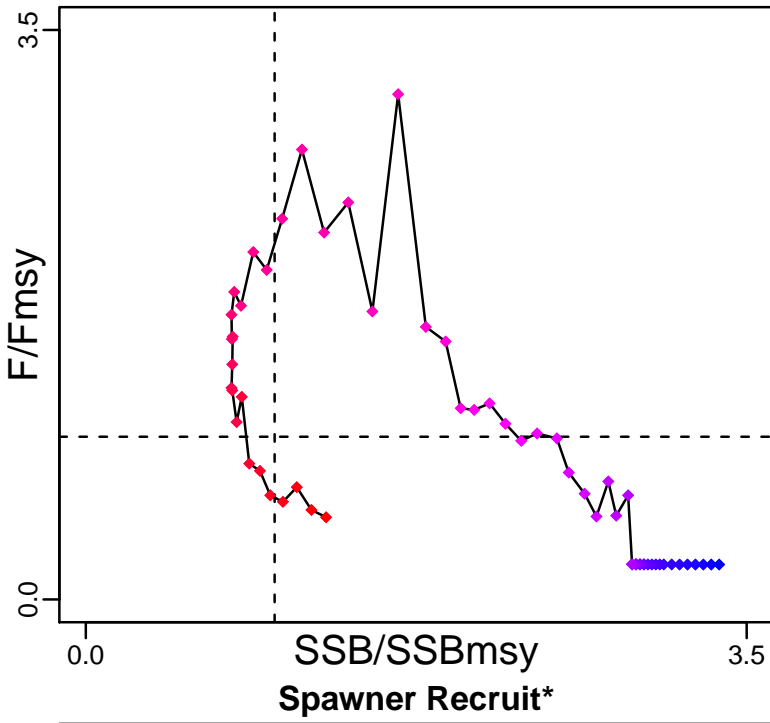
Metadata	
Scientific Name	Sphyrna tiburo
Current Assess ID	SEFSC-BHEADSHARATL-1950-2011-HIVELY
Area	Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSFmsy-E00	2011	4,770,000
Fmsy	Fmsy-1/yr	2011	0.2
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-E00	2011	589,000
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

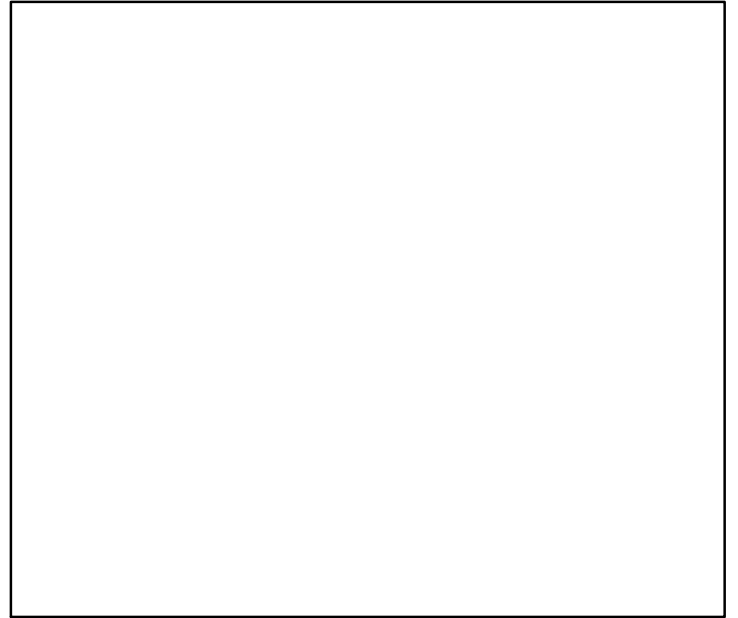
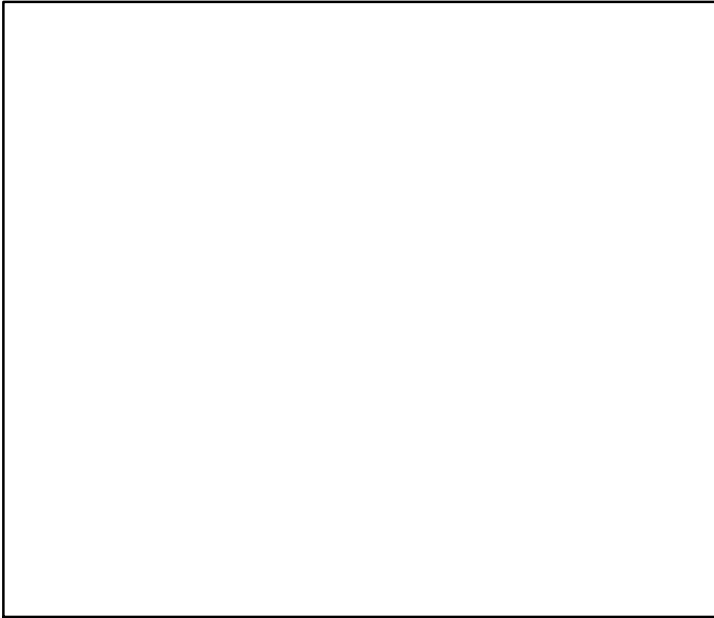
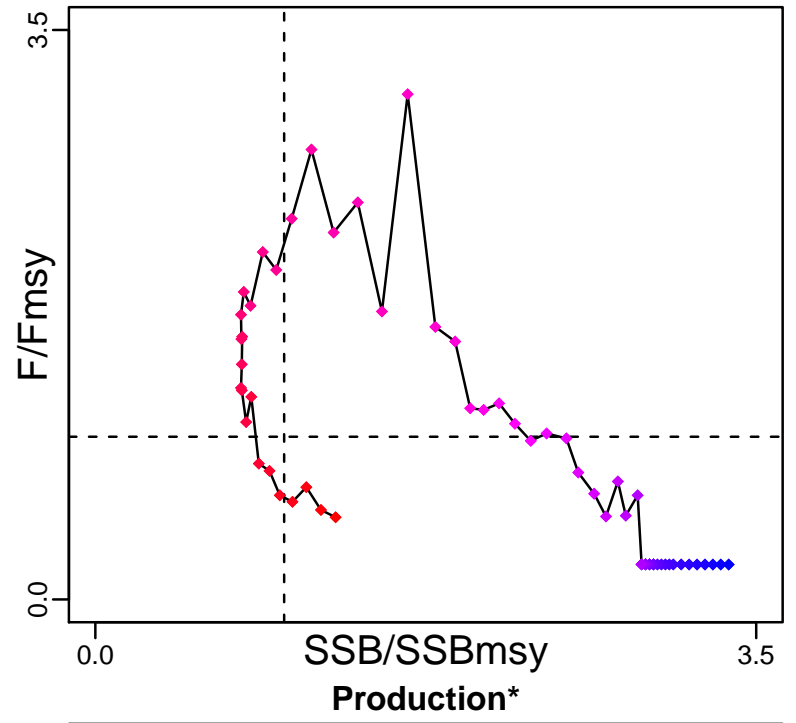
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSF-E00	2011	6,070,000	-	-
TN	TN-E00	2011	4,890,000	-	-
R	-	-	-	-	-
F	F-1/yr	2011	0.1	-	-
ER	ER-calc-ratio	2011	0.08	-	-
TC	TC-E00	2011	369,000	-	-
TL	-	-	-	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	SSF-E00/SSFmsy-E00	2011	1.27	-	-
F/Fmsy	F-1/yr/Fmsy-1/yr	2011	0.5	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	-	-	-	-	-
ER/ERmgt	-	-	-	-	-

Bonnethead shark Atlantic [BHEADSHARATL]

Kobe MSYpref (1950–2011–HIVELY)



Kobe MGTpref (1950–2011–HIVELY)



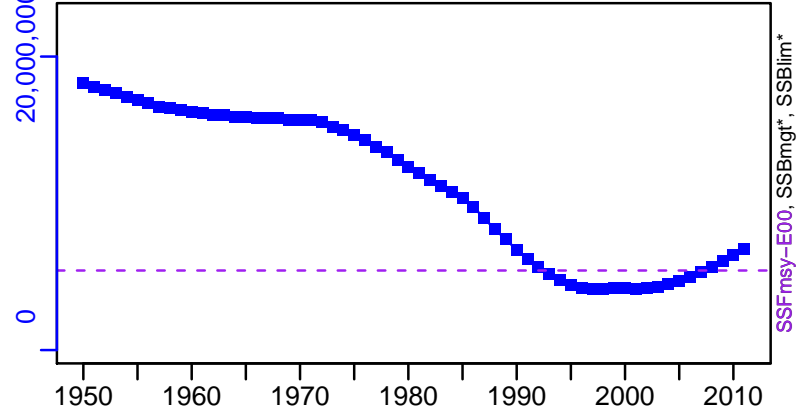
◆ Start Year ◆ End Year * No Data

Bonnethead shark Atlantic [BHEADSHARATL]

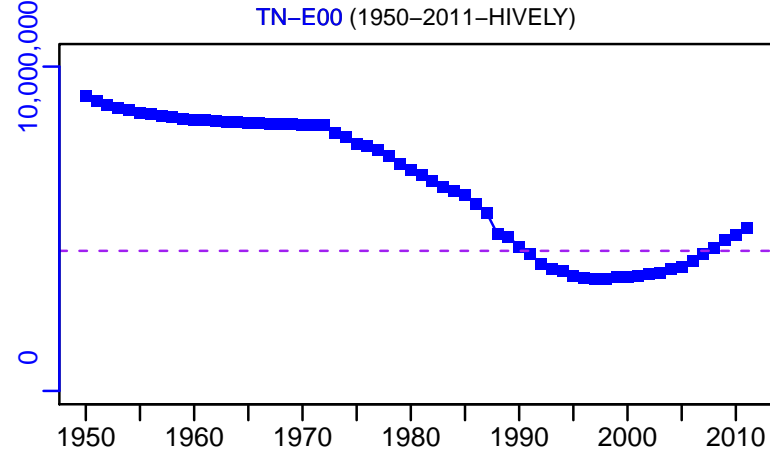
TB*



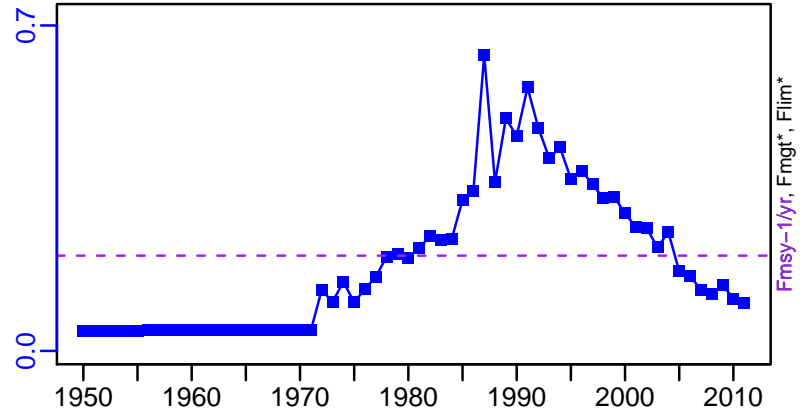
SSF-E00 (1950-2011-HIVELY)



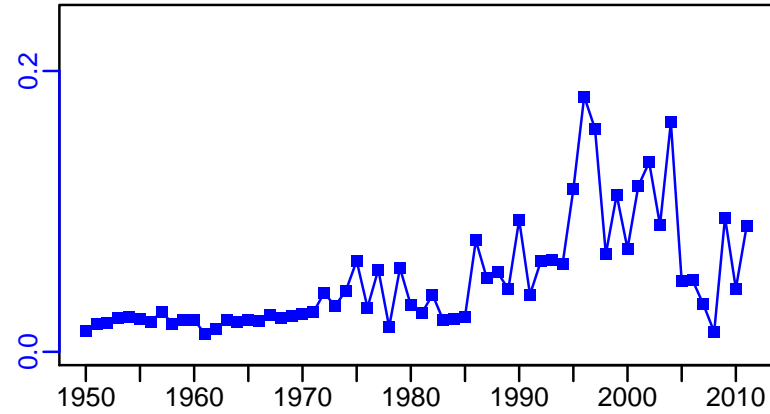
TN-E00 (1950-2011-HIVELY)



F-1/yr (1950-2011-HIVELY)



ER-calc-ratio (1950-2011-HIVELY)



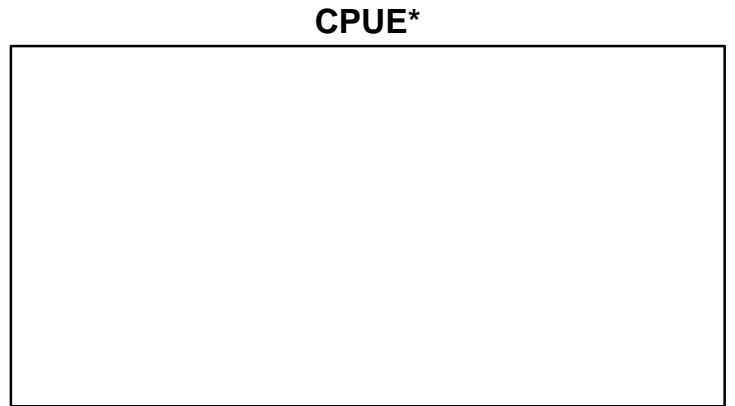
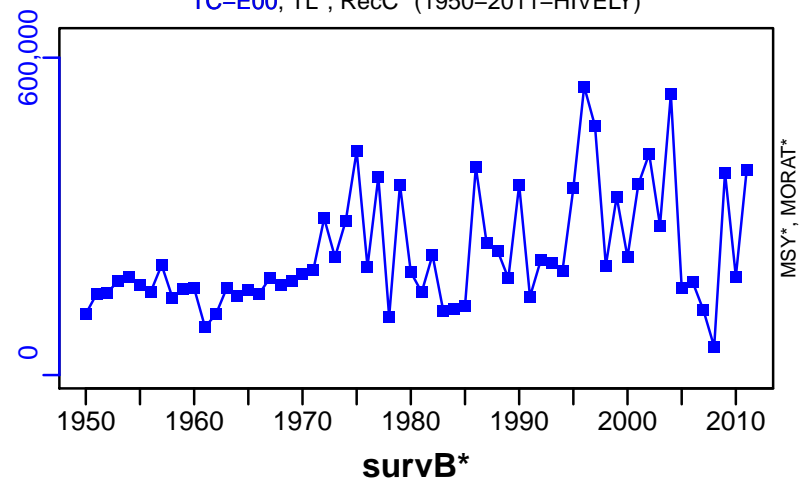
Recruits*



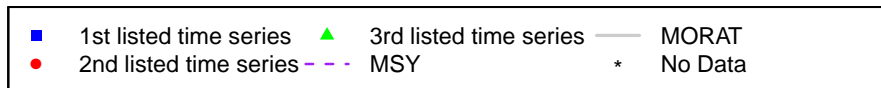
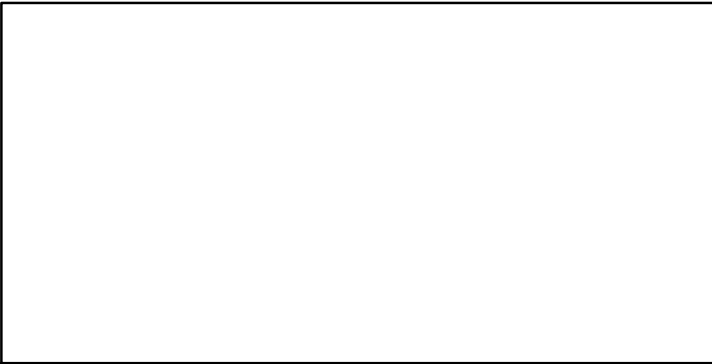
Bonnethead shark Atlantic [BHEADSHARATL]

TC-E00, TL*, RecC* (1950–2011–HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*



Black Grouper Gulf of Mexico and South Atlantic [BLACKGROUPELGMSATL]

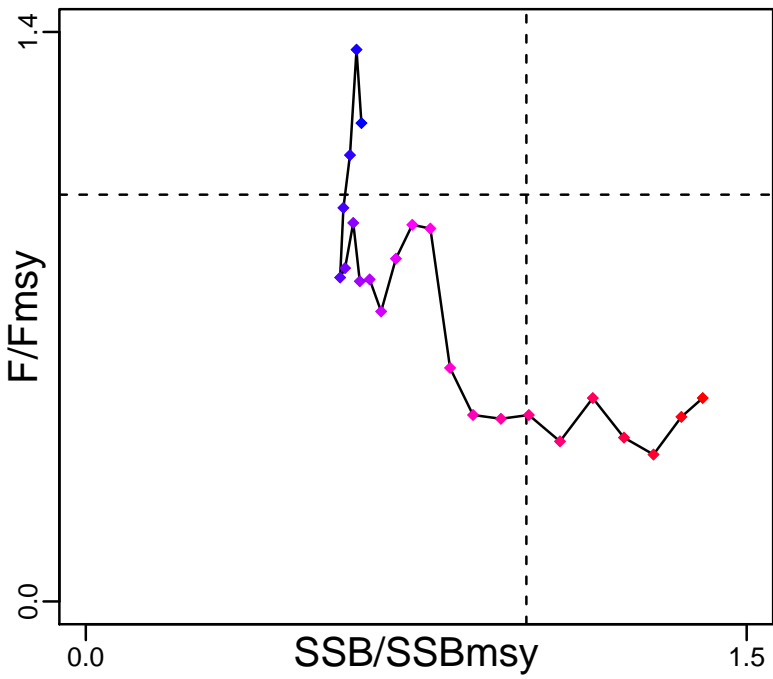
Metadata	
Scientific Name	Mycteroperca bonaci
Current Assess ID	SEFSC-BLACKGROUPELGMSATL-1986-2008-THORSON
Area	Gulf of Mexico and South Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2008

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-pr-MT	2008	2685
Fmsy	Fmsy-pr-1/yr	2008	0.22
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2008	0.14
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

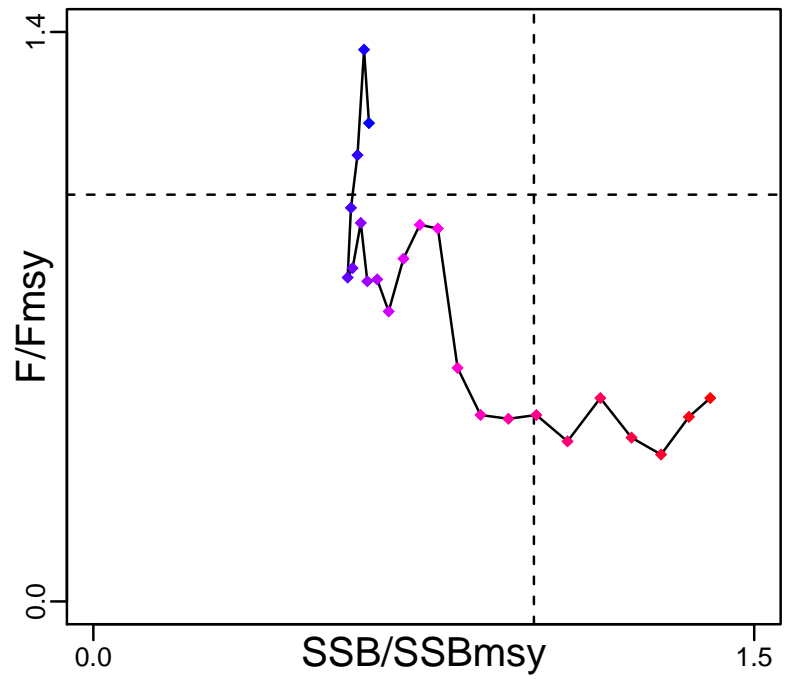
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2008	3760	Both	7+
TN	-	-	-	-	-
R	R-E00	2008	169,000	-	1
F	F-1/yr	2008	0.11	Females	5
ER	ER-calc-ratio	2008	0.02	-	-
TC	TC-MT	2008	138		
TL	TL-MT	2008	99		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2008	1.4		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2008	0.5		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Black Grouper Gulf of Mexico and South Atlantic [BLACKGROUPEMGMSATL]

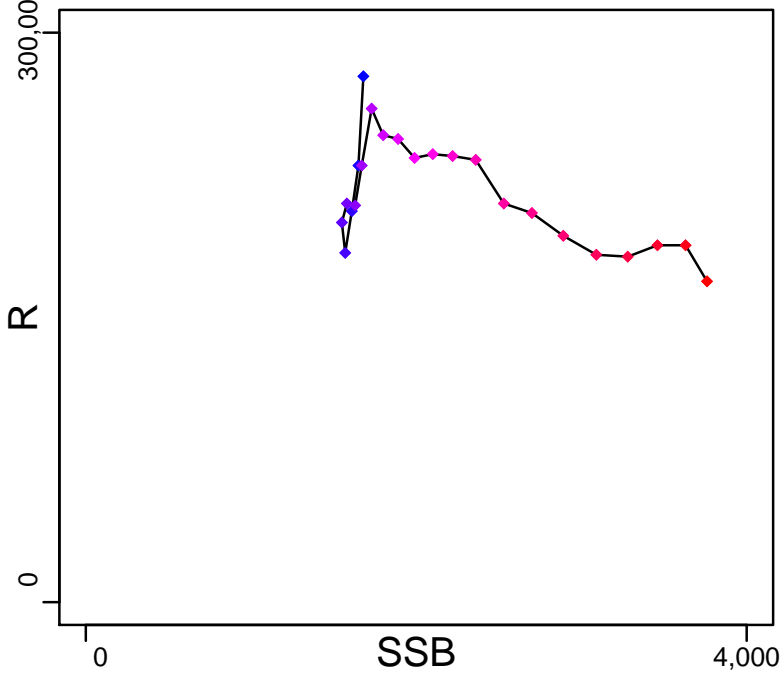
Kobe MSYpref (1986–2008–THORSON)



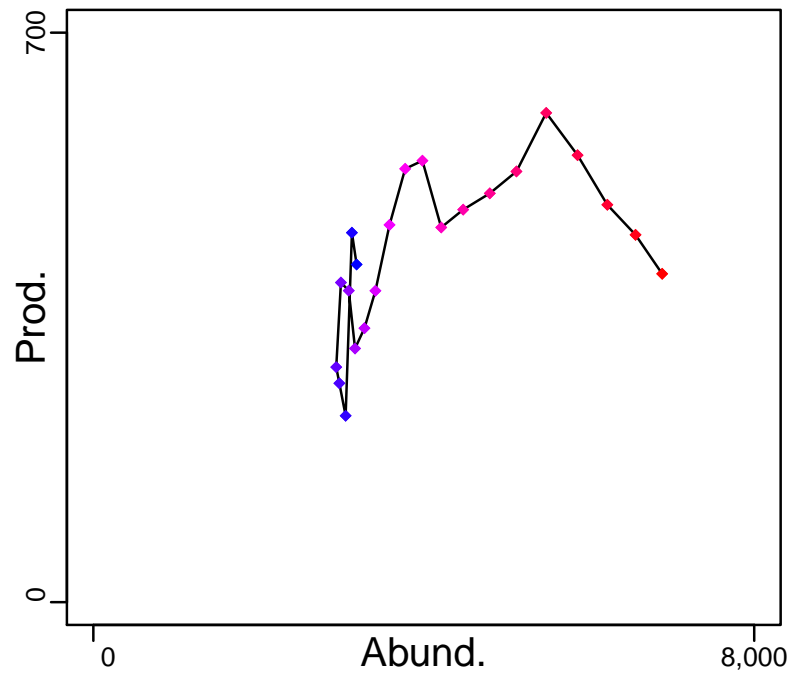
Kobe MGTpref (1986–2008–THORSON)



Spawner Recruit (1986–2008–THORSON)



Production (1986–2008–THORSON)



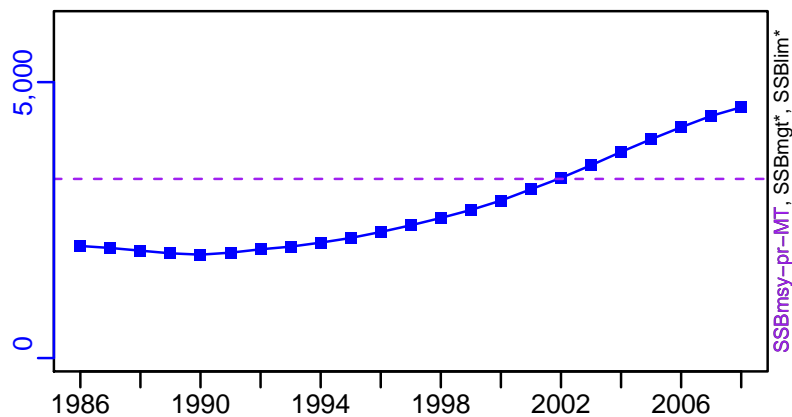
◆ Start Year ◆ End Year * No Data

Black Grouper Gulf of Mexico and South Atlantic [BLACKGROUPEMGMSATL]

TB*



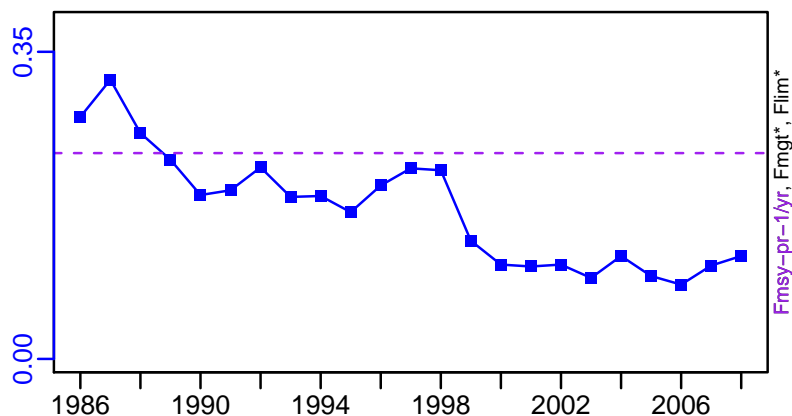
SSB-MT (1986–2008–THORSON)



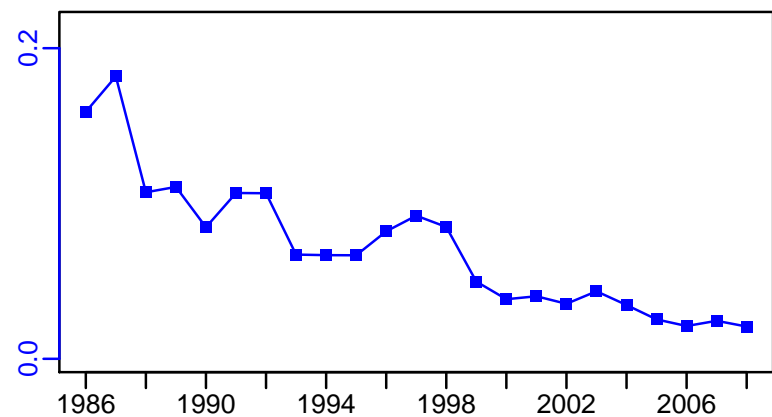
TN *



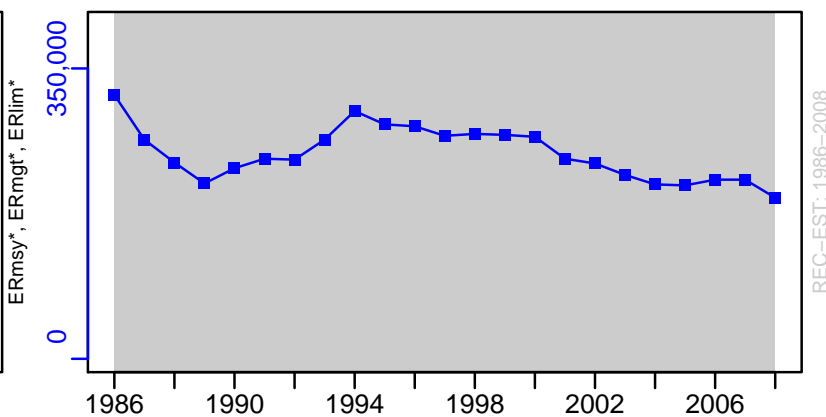
F-1/yr (1986–2008–THORSON)



ER-calc-ratio (1986–2008–THORSON)



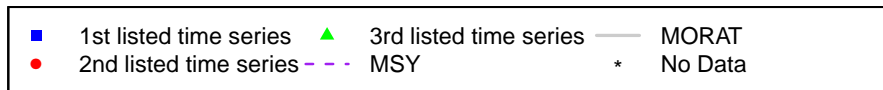
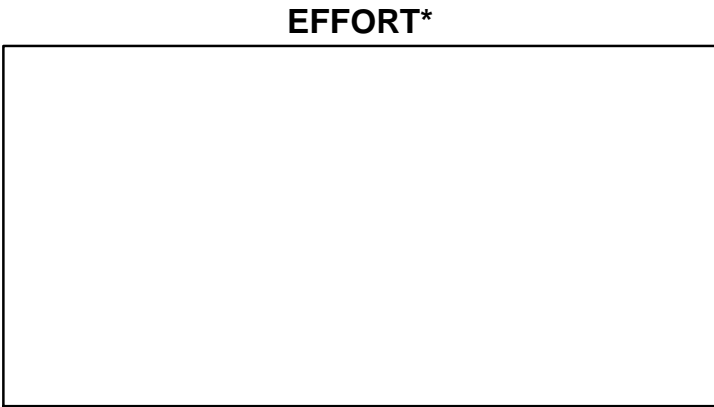
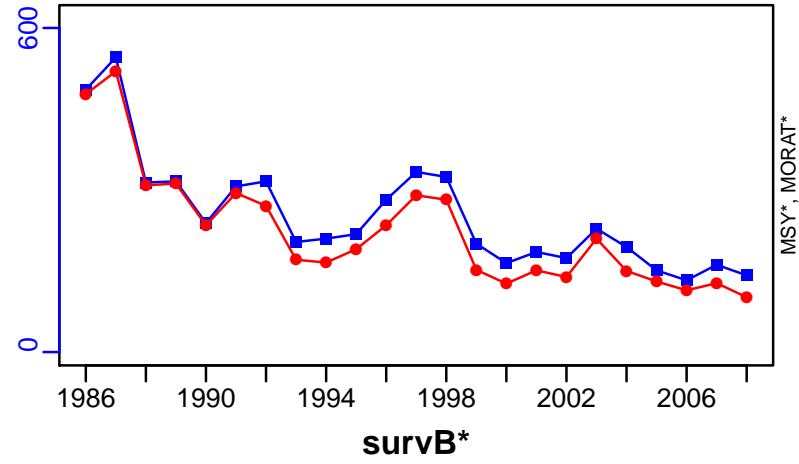
R-E00 (1986–2008–THORSON)



Black Grouper Gulf of Mexico and South Atlantic [BLACKGROUPEMGMSATL]

TC-MT, TL-MT, RecC* (1986-2008-THORSON)

TAC*, Cpair*, Cadv*



Blueline tilefish Southern Atlantic coast [BLTILESATLC]

Metadata	
Scientific Name	Caulolatilus microps
Current Assess ID	SEFSC-BLTILESATLC-1974-2011-SISIMP2016
Area	Southern Atlantic coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2011	246,600
Fmsy	-	-	-
ERmsy	ERmsy-conv-ratio	2011	0
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2011	103
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2011	221,960
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2011	202,000	Females	3+
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-	-	-
TL	-	-	-	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2011	0.82	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	-	-	-	-	-
ER/ERmgt	-	-	-	-	-

Kobe MSY*



Kobe MGT*



Spawner Recruit*



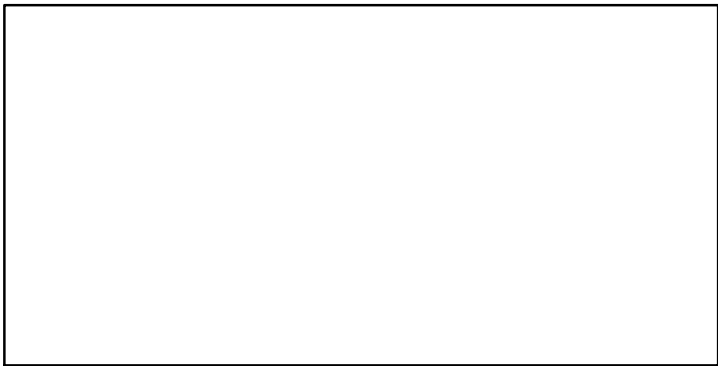
Production*



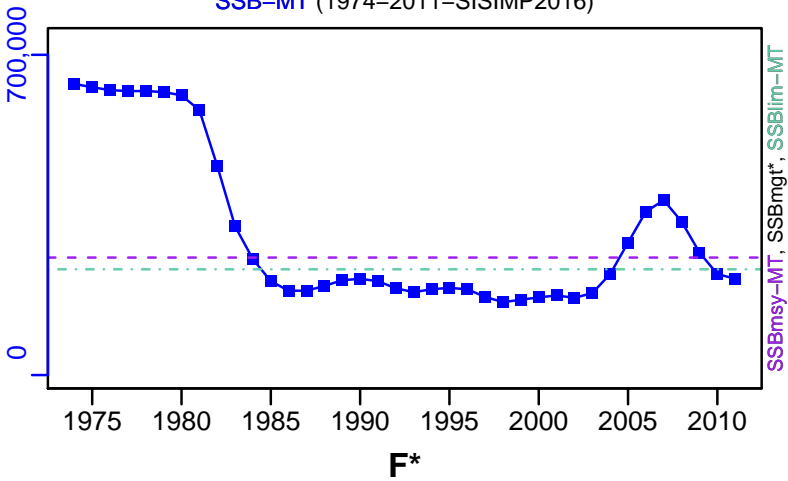
◆ Start Year ◆ End Year * No Data

Blueline tilefish Southern Atlantic coast [BLTILESATLC]

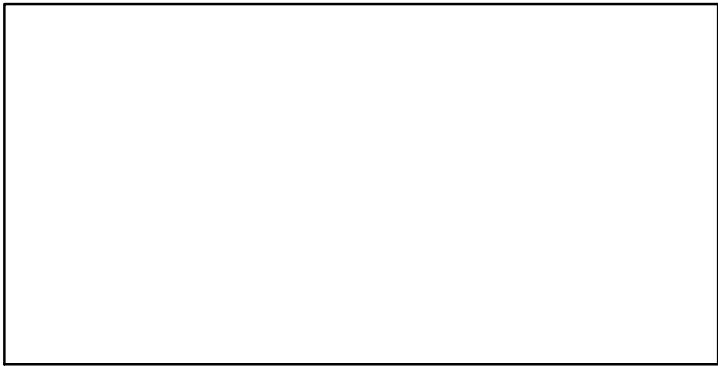
TB*



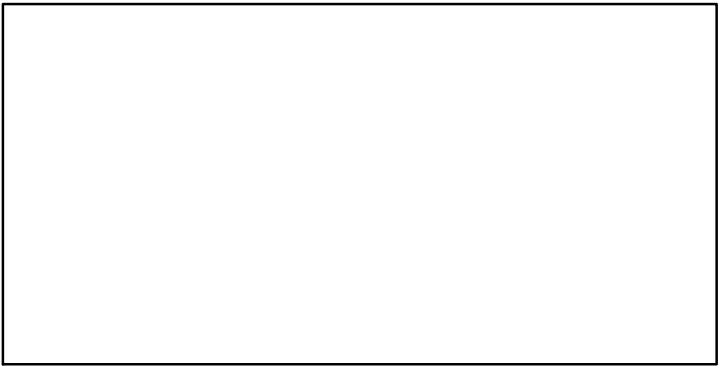
SSB-MT (1974-2011-SISIMP2016)



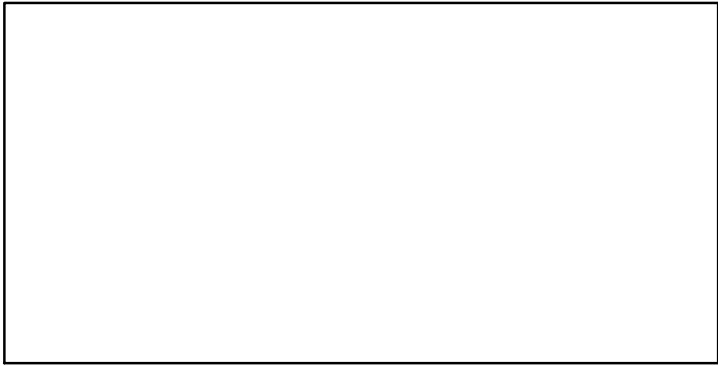
TN *



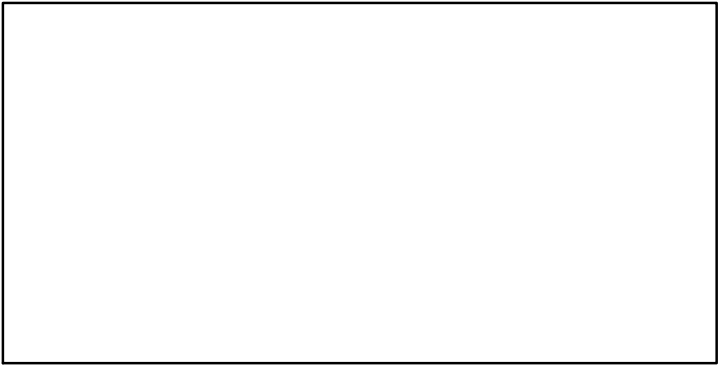
F*



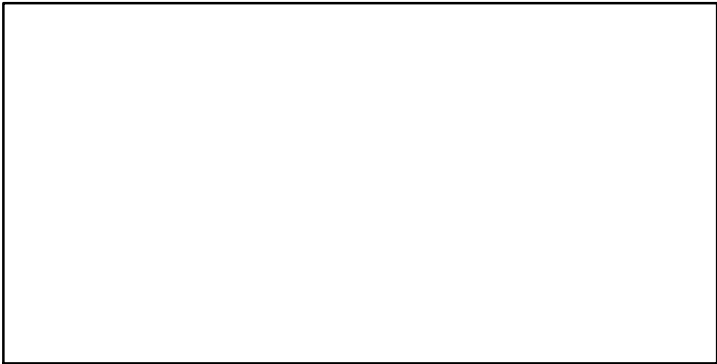
ER*



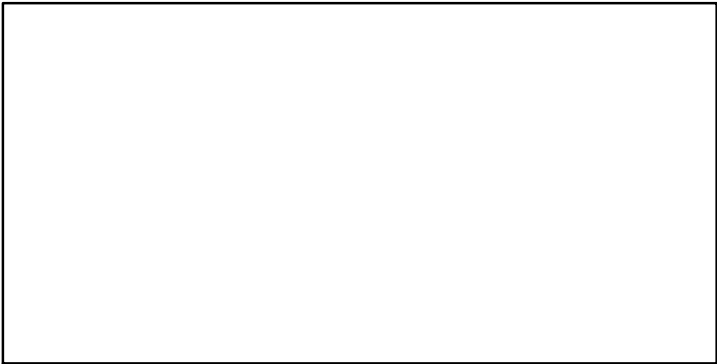
Recruits*



TC*, TL*, RecC*



TAC*, Cpair*, Cadv*



survB*



CPUE*



EFFORT*



■ 1st listed time series

● 2nd listed time series

▲ 3rd listed time series

- - MSY

— MORAT

* No Data

Blacknose shark Atlantic [BNOSESHARATL]

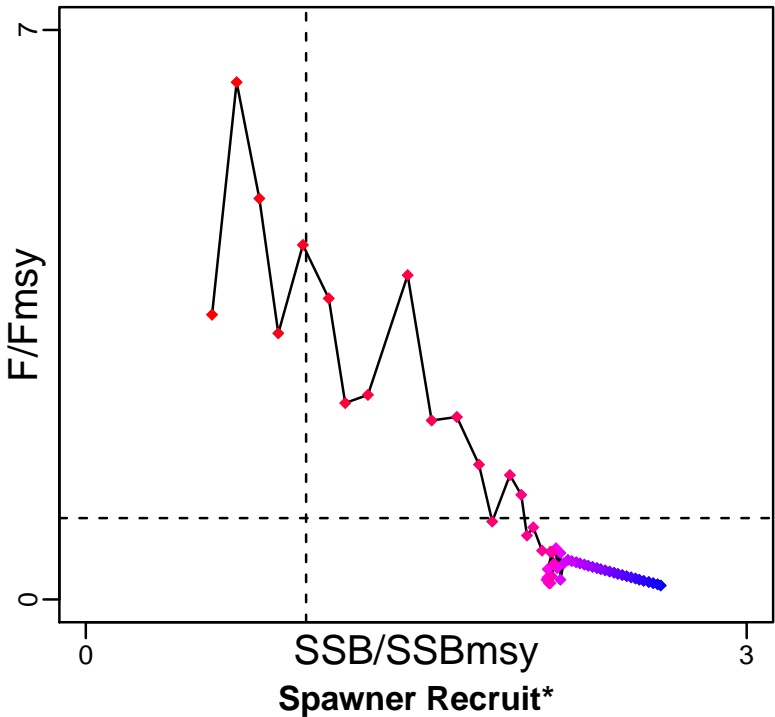
Metadata	
Scientific Name	Carcharhinus acronotus
Current Assess ID	SEFSC-BNOSESHARATL-1950-2009-SISIMP2016
Area	Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2005, 2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-E00pups	2009	153,709
Fmsy	Fmsy-1/yr	2009	0.08
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2009	0.06
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-E00	2009	24,495
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-E00pups	2009	77,447
Flim	Flim-1/yr	2009	0.08
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-E00pups	2009	58,000	-	-
TN	TN-E00	2009	152,000	-	-
R	-	-	-	-	-
F	F-1/yr	2009	0.38	-	-
ER	ER-calc-ratio	2009	0.21	-	-
TC	TC-E00	2009	31,300	-	-
TL	-	-	-	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	SSF-E00/SSFmsy-E00	2005	0.57	-	-
F/Fmsy	F-1/yr/Fmsy-1/yr	2009	4.7	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	F-1/yr/Fmgt-1/yr	2009	6.27	-	-
ER/ERmgt	-	-	-	-	-

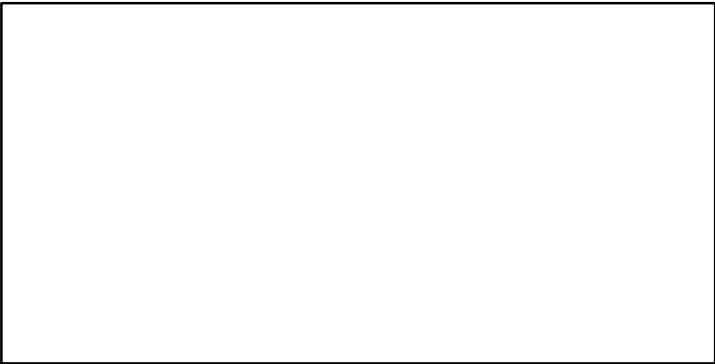
Blacknose shark Atlantic [BNOSESHARATL]

Kobe MSYpref (1950–2005–FAUCONNET)

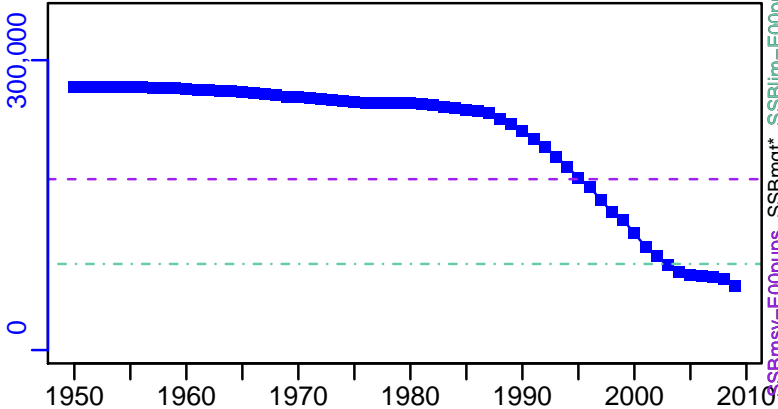


Blacknose shark Atlantic [BNOSESHARATL]

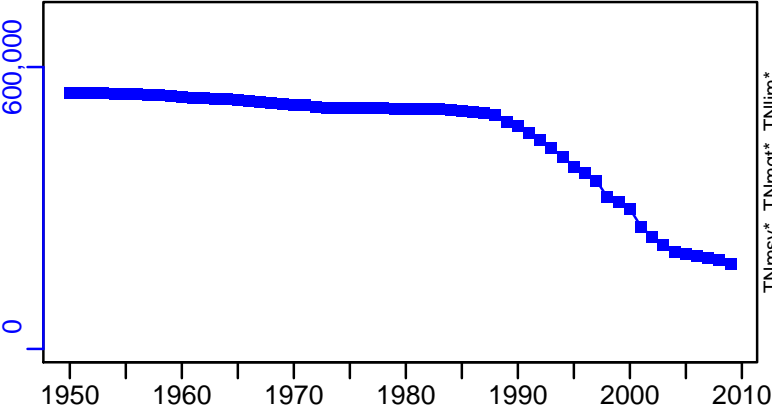
TB*



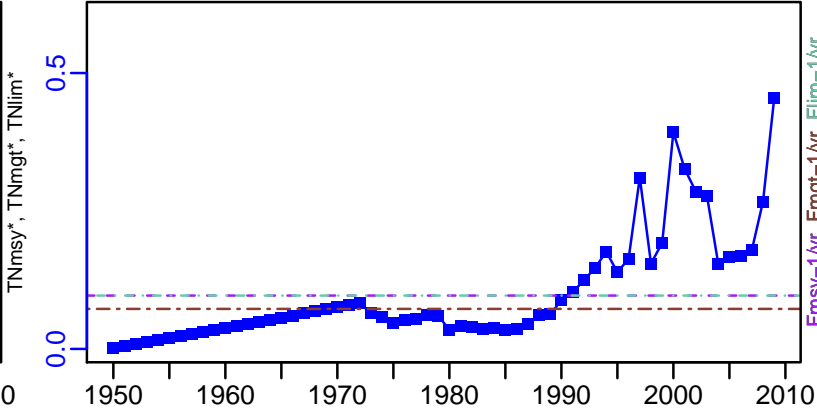
SSB-E00pups (1950-2009-SISIMP2016)



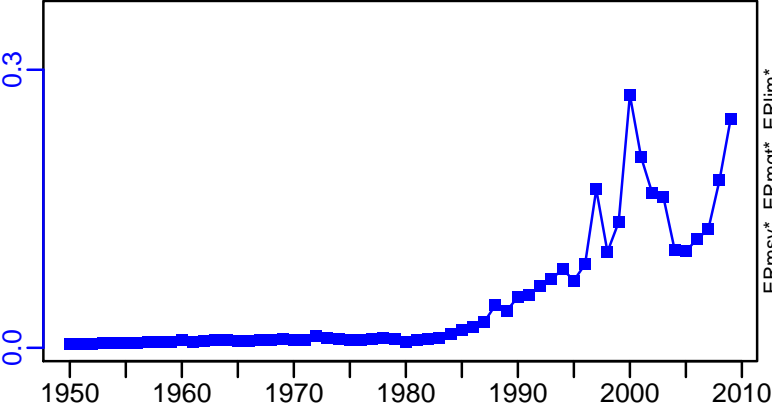
TN-E00 (1950-2009-SISIMP2016)



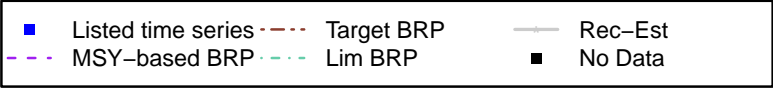
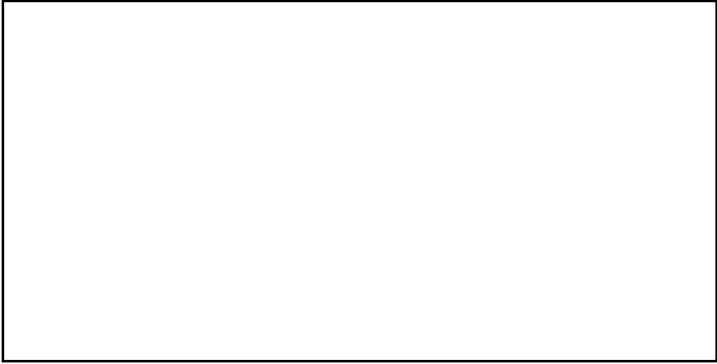
F-1/yr (1950-2009-SISIMP2016)



ER-calc-ratio (1950-2009-SISIMP2016)

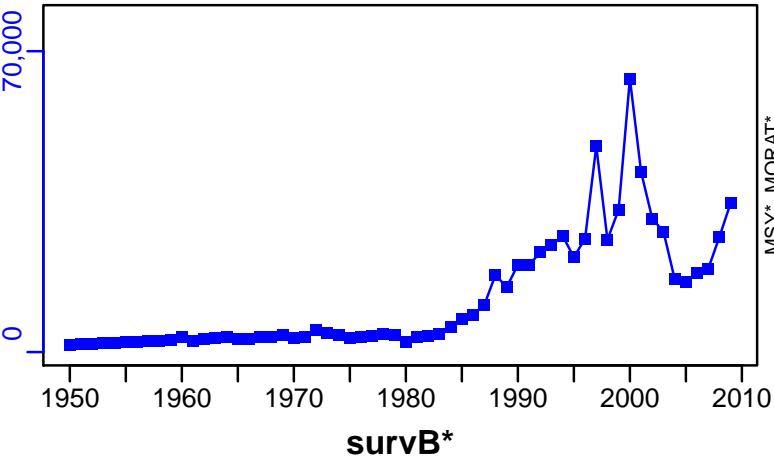


Recruits*



Blacknose shark Atlantic [BNOSESHARATL]

TC-E00, TL*, RecC* (1950-2009-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Brown shrimp Gulf of Mexico [BRNSHRIMPGM]

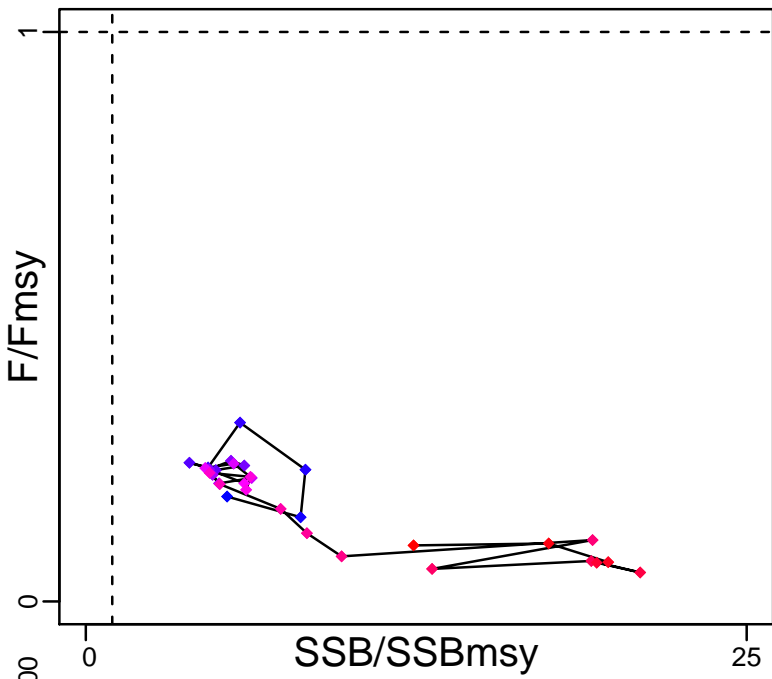
Metadata	
Scientific Name	Farfantepenaeus aztecus
Current Assess ID	SEFSC-BRNSHRIMPGM-1984-2014-SISIMP2016
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	2767
Fmsy	Fmsy-1/yr	2014	9.12
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	2767
Flim	-	-	-
ERlim	-	-	-

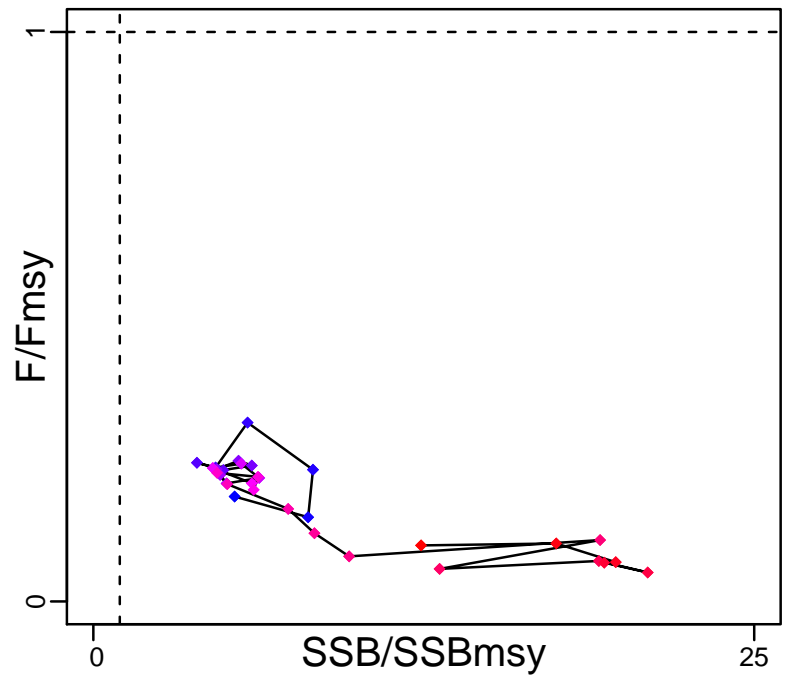
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	34,300	-	4+
TN	-	-	-	-	-
R	R-E00	2014	4.12×10^{10}	-	0
F	F-1/yr	2014	0.9	-	-
ER	ER-calc-ratio	2014	0.24	-	-
TC	TC-MT	2014	28,300		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	12.4		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.1		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Brown shrimp Gulf of Mexico [BRNSHRIMPGM]

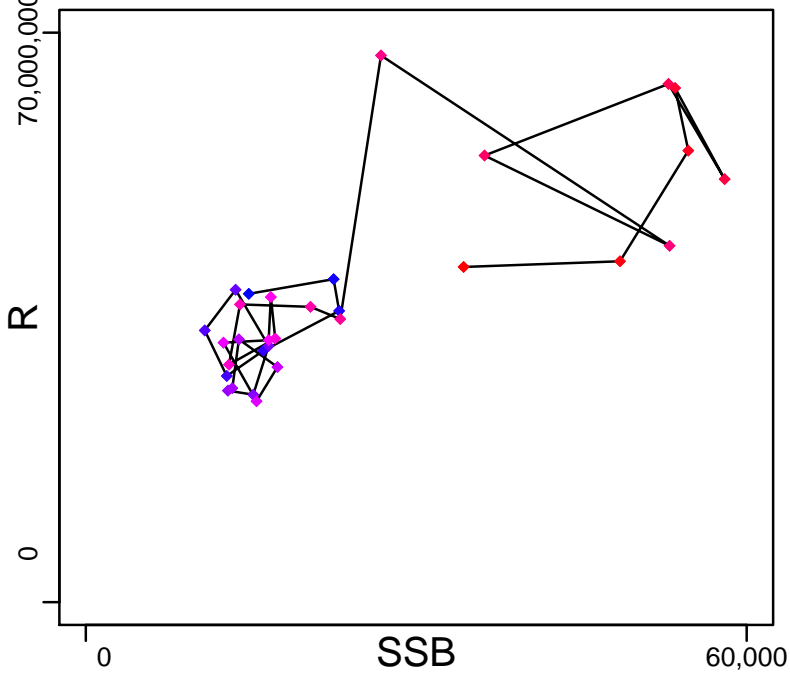
Kobe MSYpref (1984–2014–SISIMP2016)



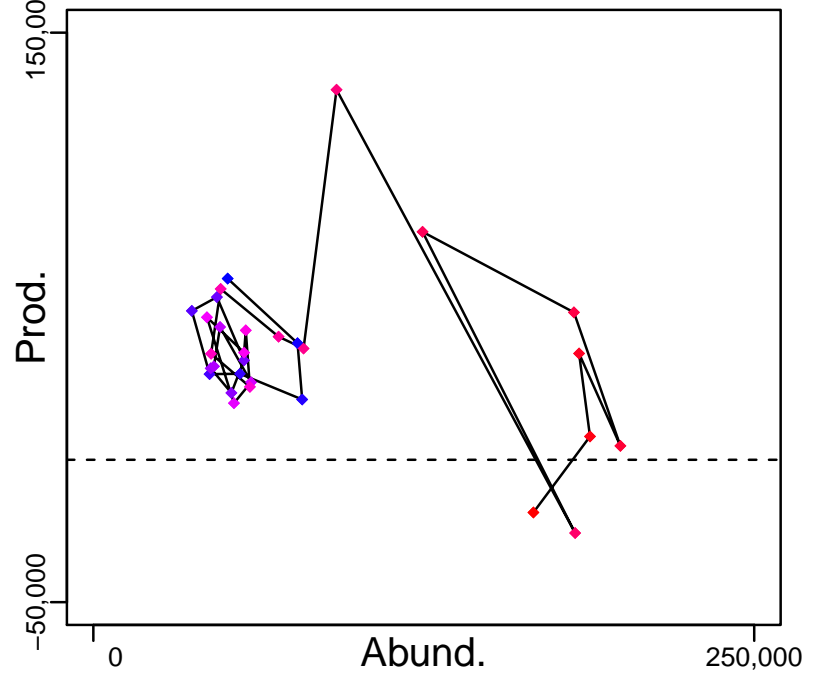
Kobe MGTpref (1984–2014–SISIMP2016)



Spawner Recruit (1984–2014–SISIMP2016)



Production (1984–2014–SISIMP2016)



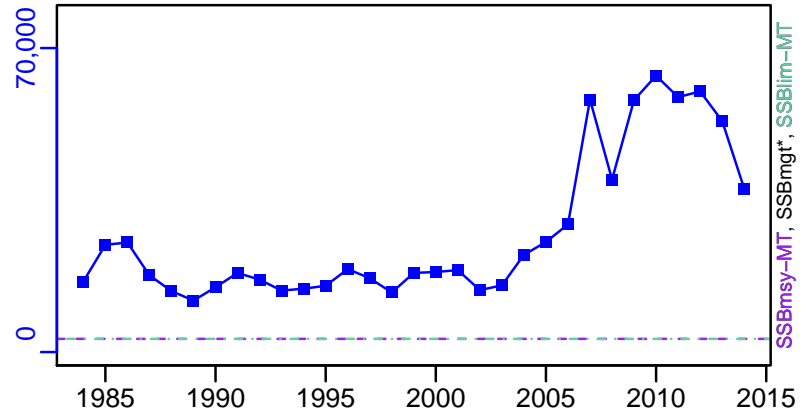
◆ Start Year ◆ End Year * No Data

Brown shrimp Gulf of Mexico [BRNSHRIMPGM]

TB*



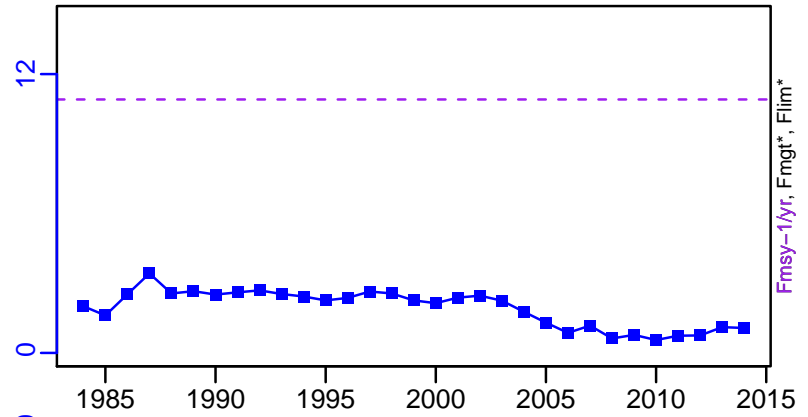
SSB-MT (1984–2014–SISIMP2016)



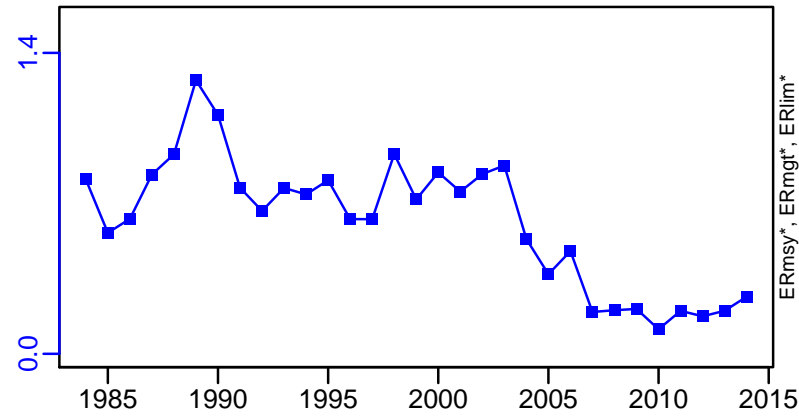
TN *



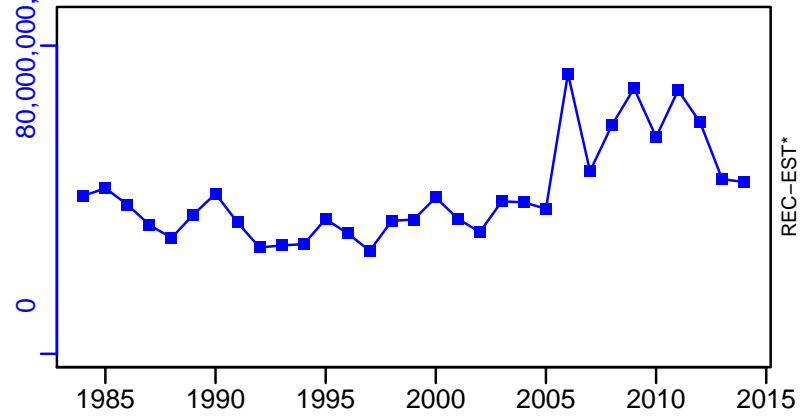
F-1/yr (1984–2014–SISIMP2016)



ER-calc-ratio (1984–2014–SISIMP2016)

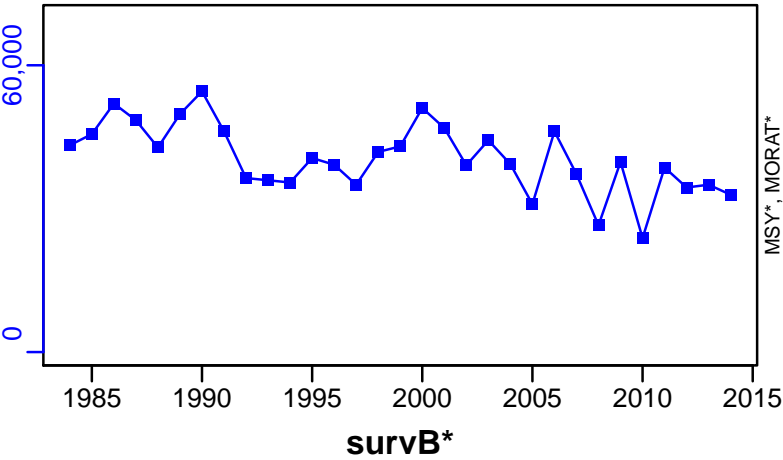


R-E00 (1984–2014–SISIMP2016)



Brown shrimp Gulf of Mexico [BRNSHRIMPGM]

TC-MT, TL*, RecC* (1984-2014-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Black sea bass South Atlantic [BSBASSSATL]

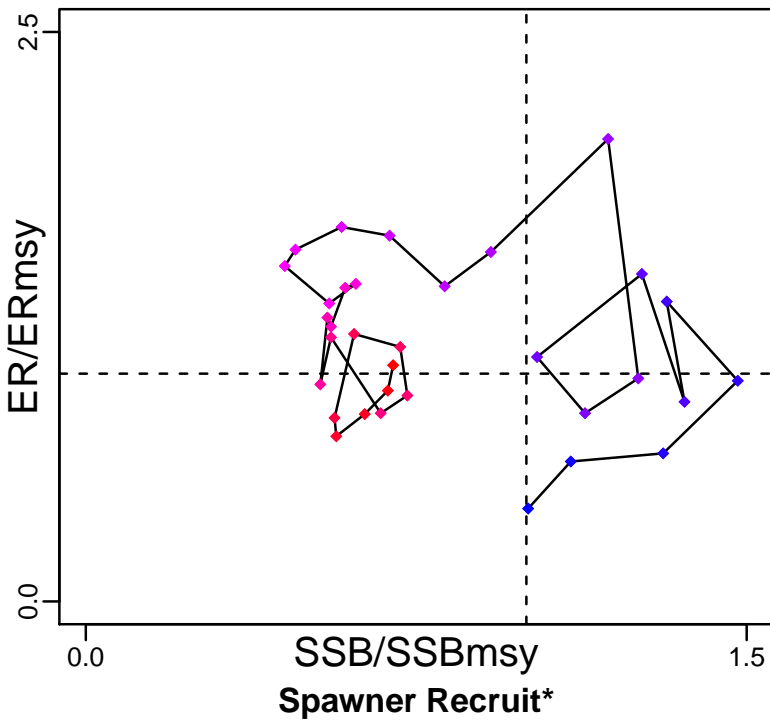
Metadata	
Scientific Name	Centropristis striata
Current Assess ID	SEFSC-BSBASSSATL-1978-2012-SISIMP2016
Area	South Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2010, 2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2010	5399
SSBmsy	SSBmsy-E00eggs	2012	2.56×10^{12}
Fmsy	Fmsy-1/yr	2010	0.7
ERmsy	ERmsy-calc-ratio	2010	0.15
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2012	807
M	M-1/yr	2010	0.38
TBlim	-	-	-
SSBlim	SSBlim-E00eggs	2012	1.59×10^{12}
Flim	-	-	-
ERlim	-	-	-

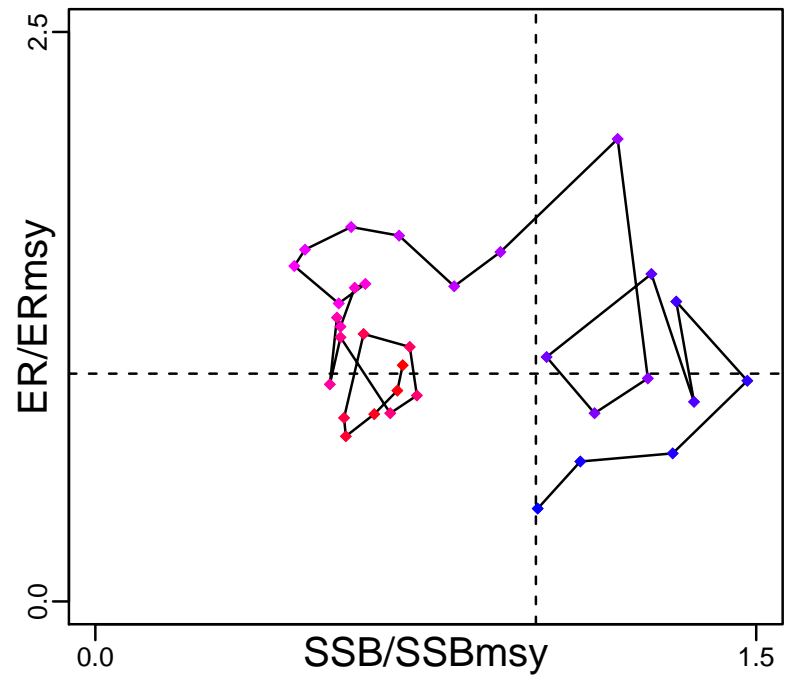
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2010	3800	-	-
SSB	SSB-E00eggs	2012	2.65×10^{12}	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2010	0.76	-	-
ER	ER-calc-ratio	2010	0.15	-	-
TC	-	-	-		
TL	TL-MT	2010	585		
TB/TBmsy	TB-MT/TBmsy-MT	2010	0.7		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2012	1.04		
F/Fmsy	F-1/yr/Fmsy-1/yr	2010	1.09		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2010	1.04		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Black sea bass South Atlantic [BSBASSSATL]

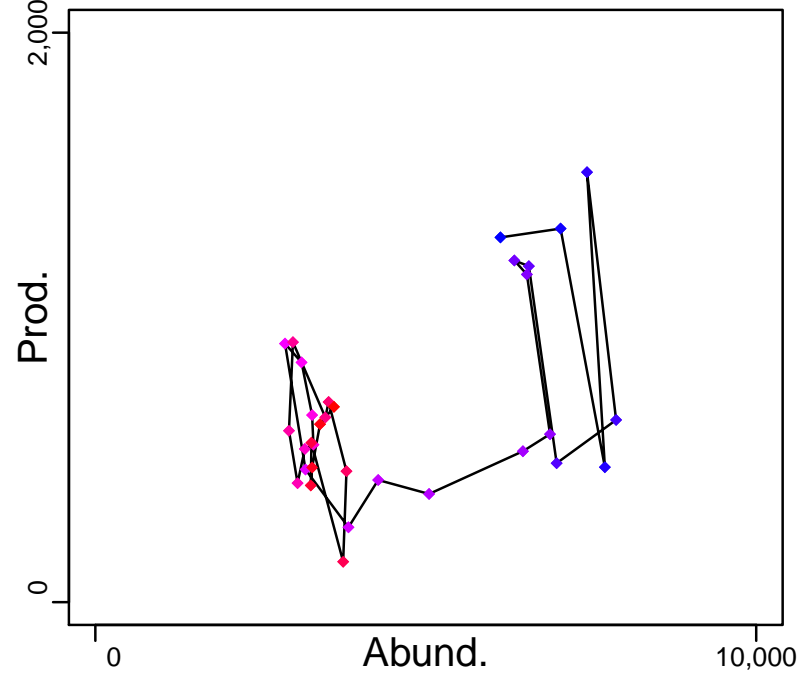
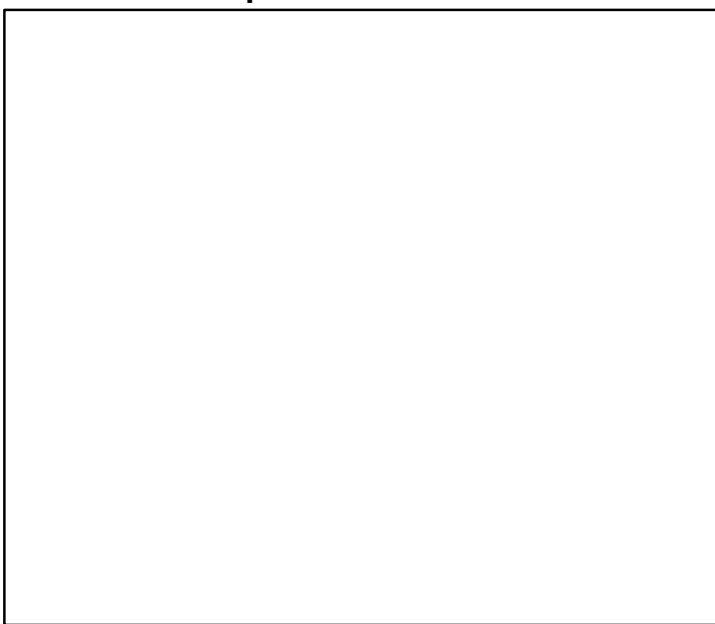
Kobe MSYpref (1950–2010–HIVELY)



Kobe MGTpref (1950–2010–HIVELY)



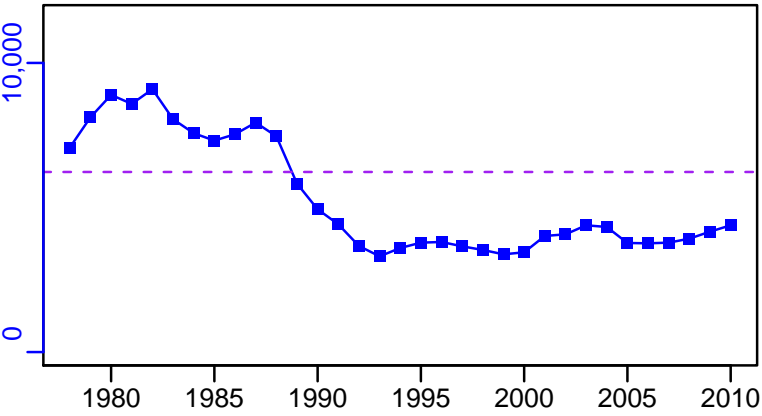
Production (1950–2010–HIVELY)



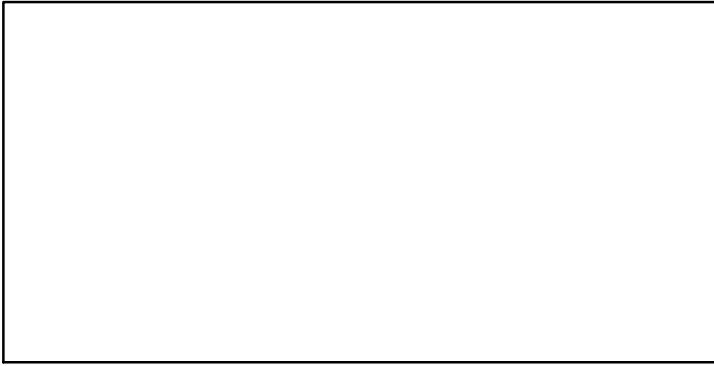
◆ Start Year ◆ End Year * No Data

Black sea bass South Atlantic [BSBASSSATL]

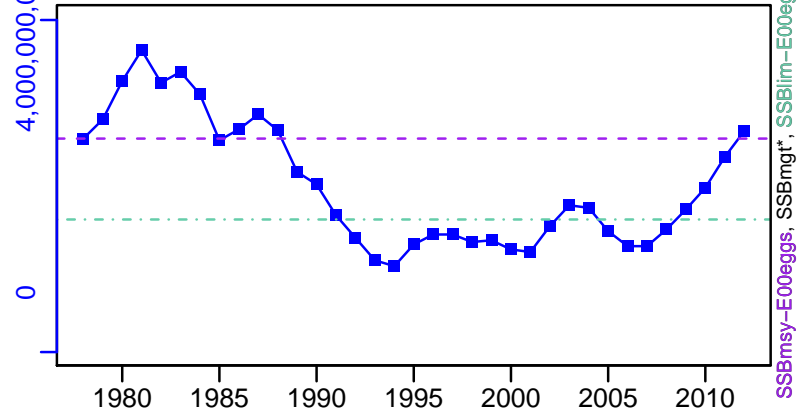
TB-MT (1950-2010-HIVELY)



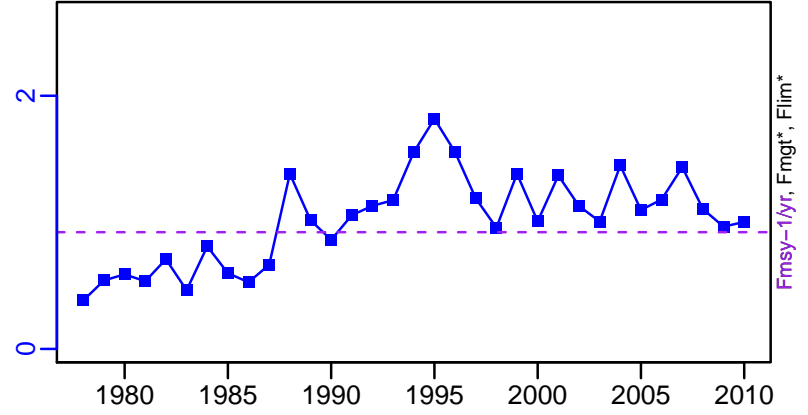
TN *



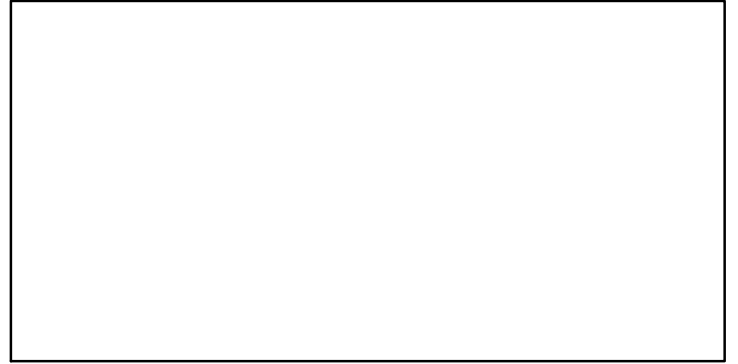
SSB-E00eggs (1978-2012-SISIMP2016)



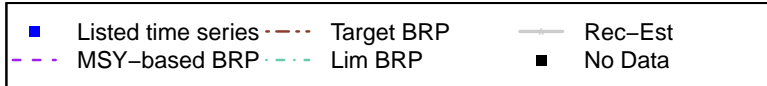
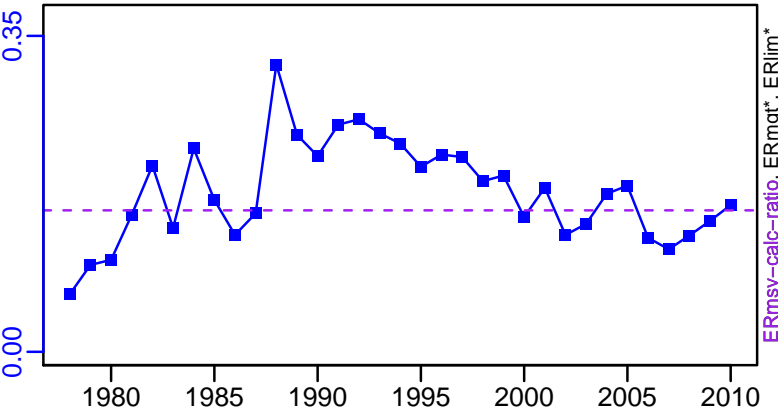
F-1/yr (1950-2010-HIVELY)



Recruits*



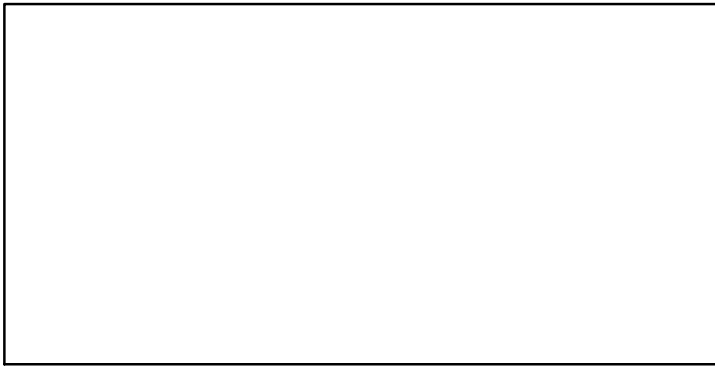
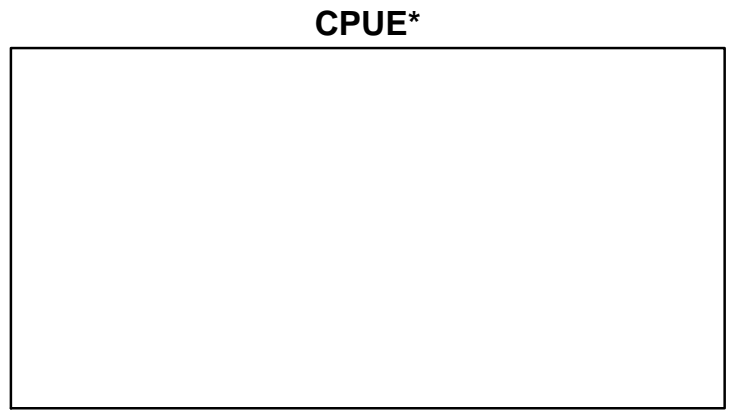
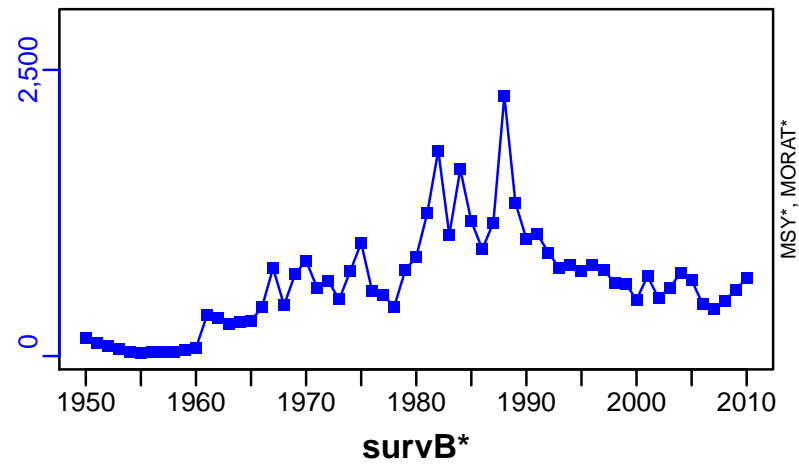
ER-calc-ratio (1950-2010-HIVELY)



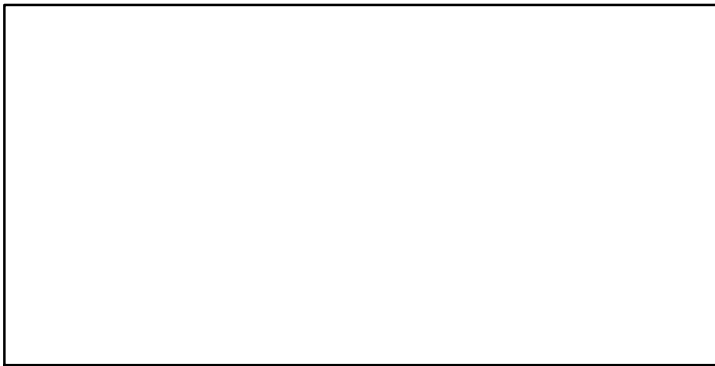
Black sea bass South Atlantic [BSBASSSATL]

TL-MT, TC*, RecC* (1950-2010-HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*

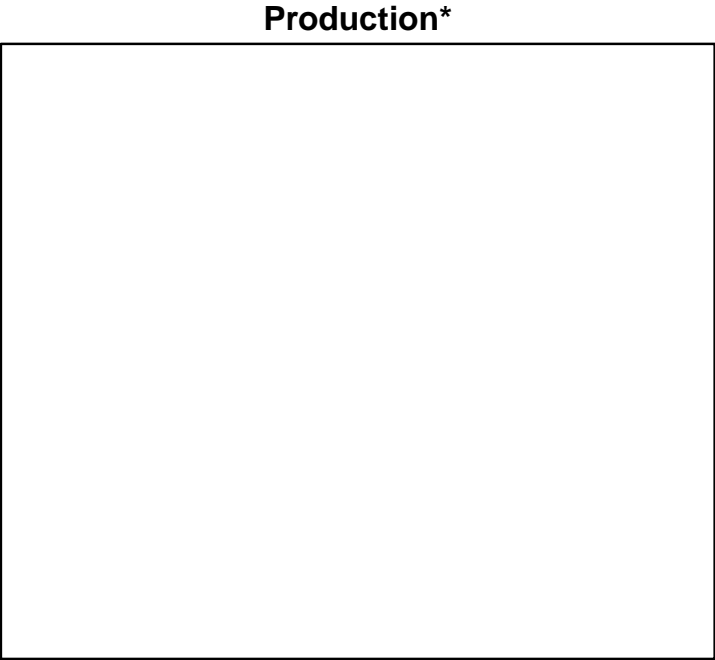
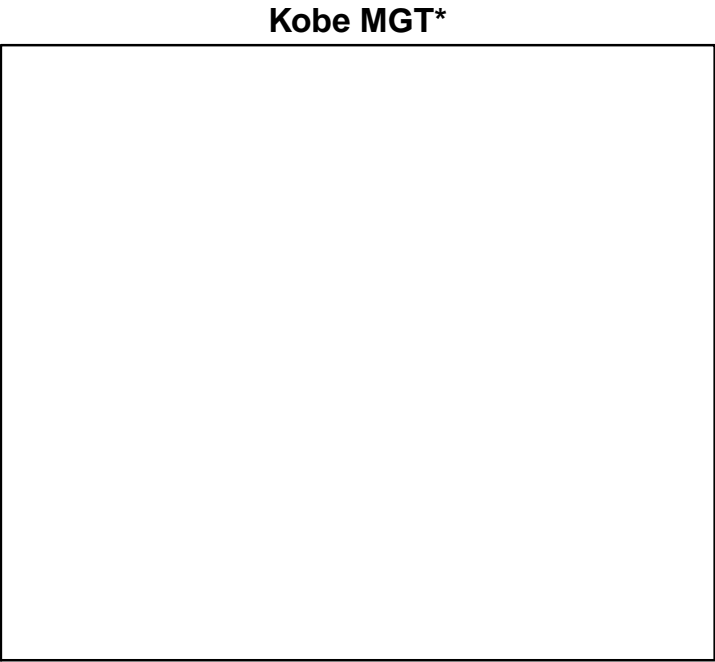


Blacktip shark Atlantic [BTIPSHARATL]

Metadata	
Scientific Name	Carcharhinus limbatus
Current Assess ID	SEFSC-BTIPSHARATL-1981-2004-FAUCONNET
Area	Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2004

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2004	0.2
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2004	14,900
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSF-E00	2004	18,200,000	Females	7.5
TN	TN-E00	2004	50,400,000	-	-
R	-	-	-	-	-
F	F-1/yr	2004	0	-	-
ER	ER-calc-ratio	2004	0	-	-
TC	TC-E00	2004	17,700		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2004	0		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



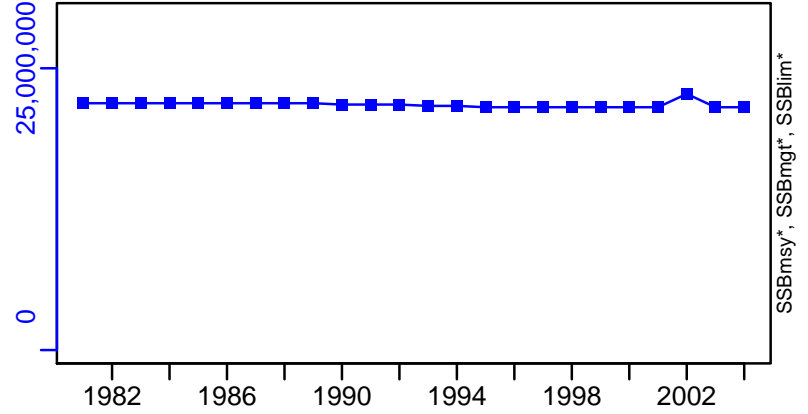
◆ Start Year ♦ End Year * No Data

Blacktip shark Atlantic [BTIPSHARATL]

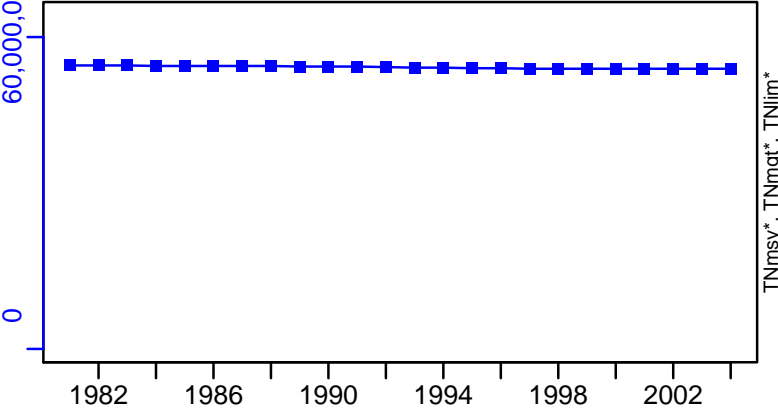
TB*



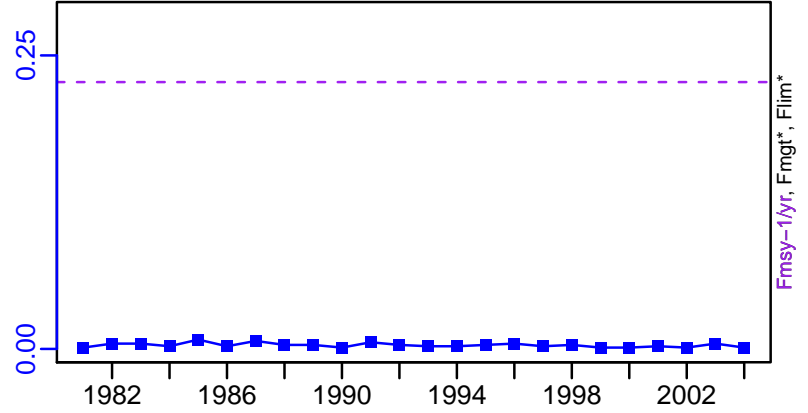
SSF-E00 (1981-2004-FAUCONNET)



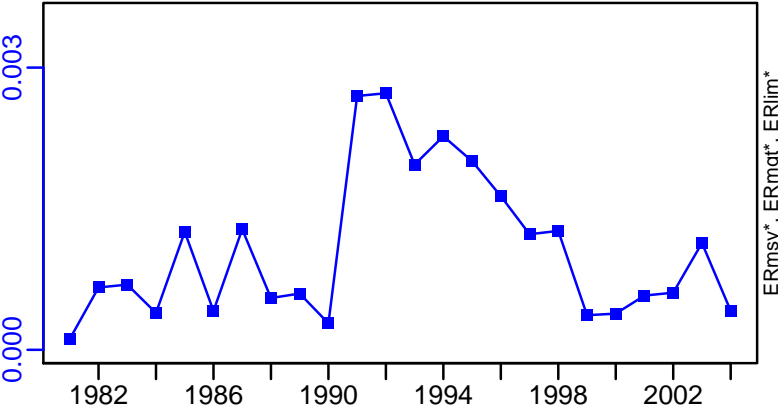
TN-E00 (1981-2004-FAUCONNET)



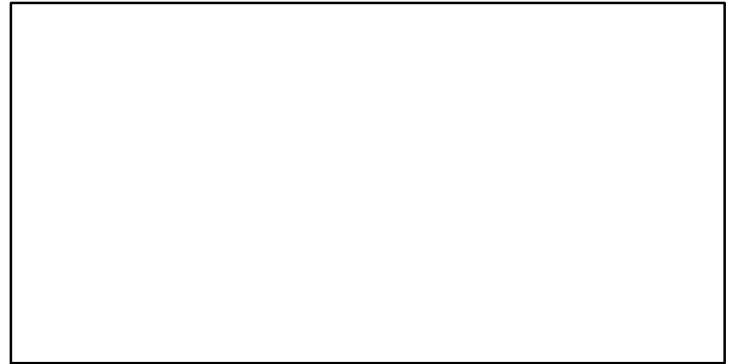
F-1/yr (1981-2004-FAUCONNET)



ER-calc-ratio (1981-2004-FAUCONNET)



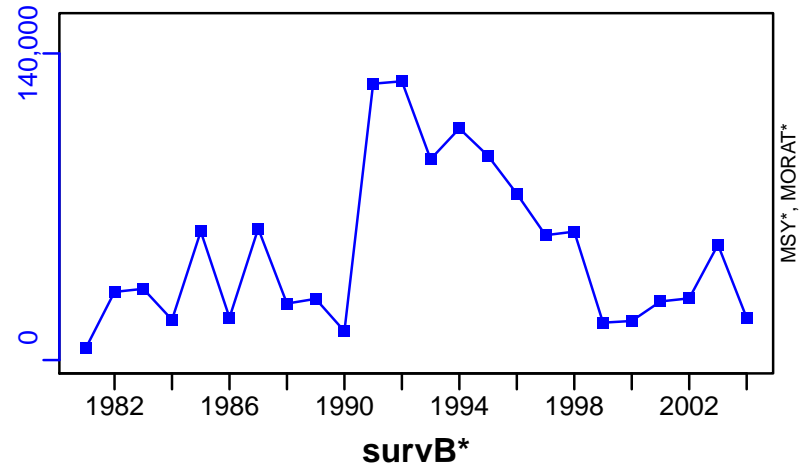
Recruits*



Blacktip shark Atlantic [BTIPSHARATL]

TC-E00, TL*, RecC* (1981-2004-FAUCONNET)

TAC*, Cpair*, Cadv*



EFFORT*



Blacktip shark Gulf of Mexico [BTIPSHARGM]

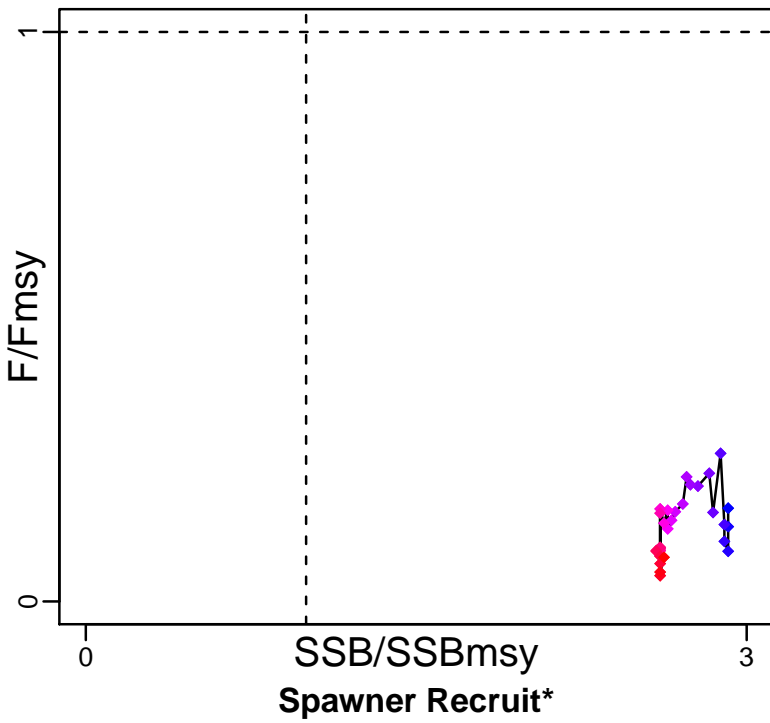
Metadata	
Scientific Name	Carcharhinus limbatus
Current Assess ID	SEFSC-BTIPSHARGM-1981-2010-HIVELY
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSFmsy-E00	2010	5,830,000
Fmsy	Fmsy-1/yr	2010	0.08
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-E00	2010	7,287,500
Fmgt	Fmgt-1/yr	2010	0.06
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-E00	2010	1,340,000
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

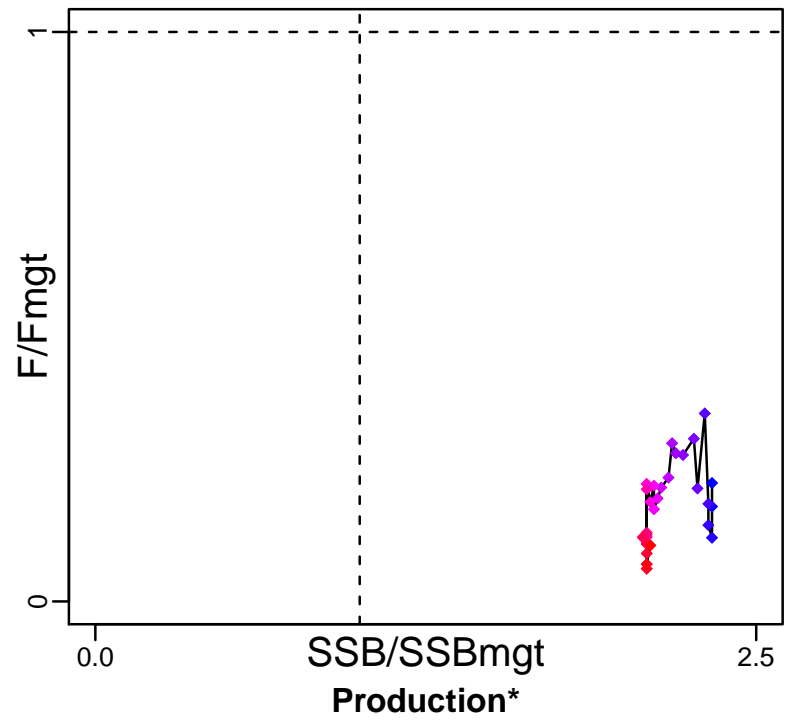
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSF-E00	2010	15,300,000	-	-
TN	TN-E00	2010	23,800,000	-	-
R	-	-	-	-	-
F	F-1/yr	2010	0.01	-	-
ER	ER-calc-ratio	2010	0	-	-
TC	TC-E00	2010	86,700		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSF-E00/SSFmsy-E00	2010	2.62		
F/Fmsy	F-1/yr/Fmsy-1/yr	2010	0.08		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSF-E00/SSBmgt-E00	2010	2.1		
F/Fmgt	F-1/yr/Fmgt-1/yr	2010	0.1		
ER/ERmgt	-	-	-		

Blacktip shark Gulf of Mexico [BTIPSHARGM]

Kobe MSYpref (1981–2010–HIVELY)



Kobe MGTpref (1981–2010–HIVELY)



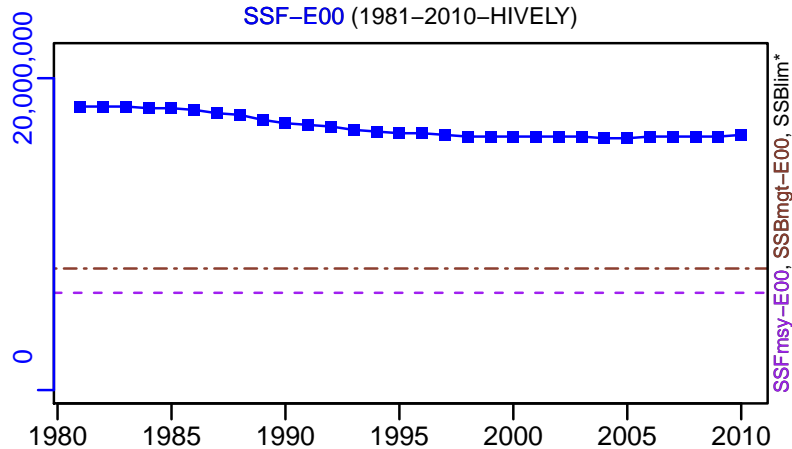
◆ Start Year ◆ End Year * No Data

Blacktip shark Gulf of Mexico [BTIPSHARGM]

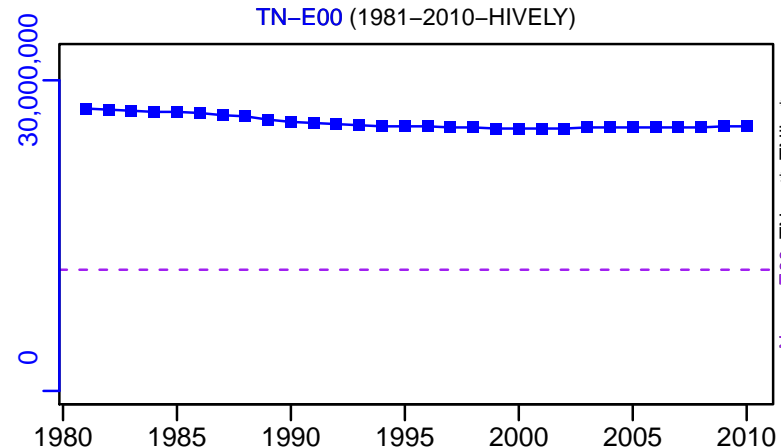
TB*



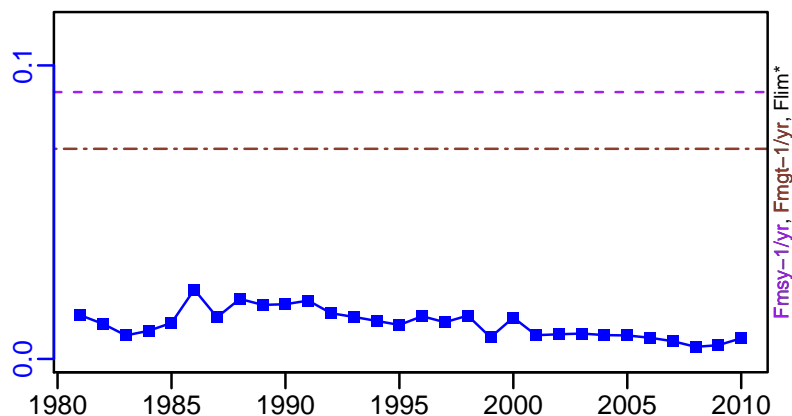
SSF-E00 (1981-2010-HIVELY)



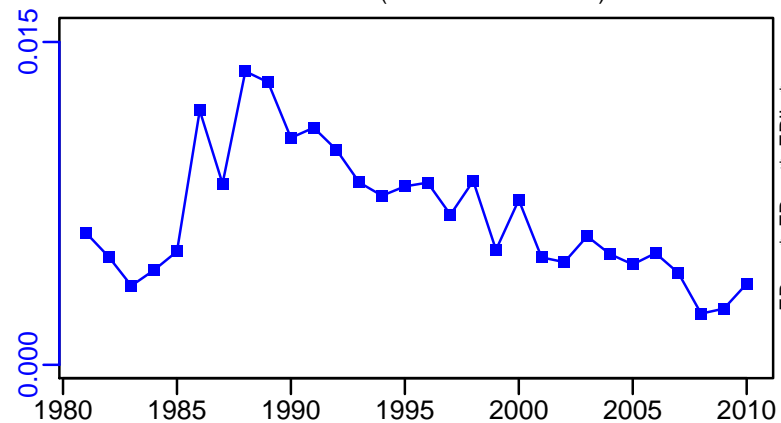
TN-E00 (1981-2010-HIVELY)



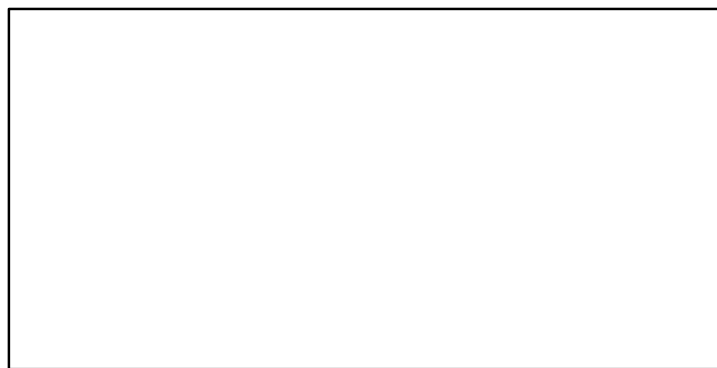
F-1/yr (1981-2010-HIVELY)



ER-calc-ratio (1981-2010-HIVELY)



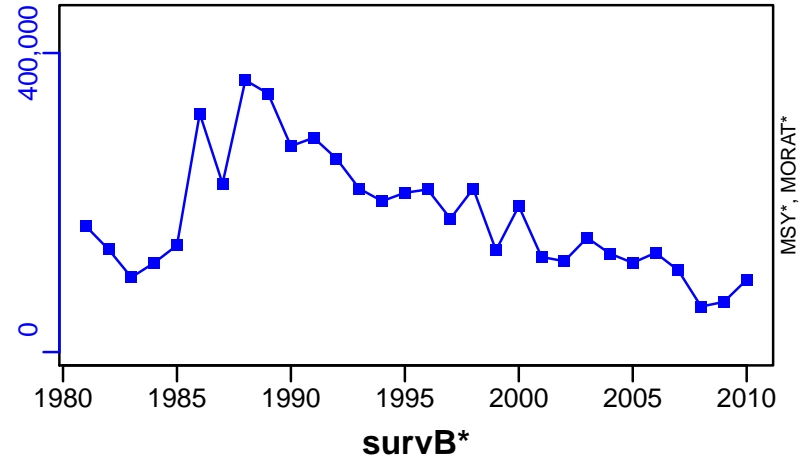
Recruits*



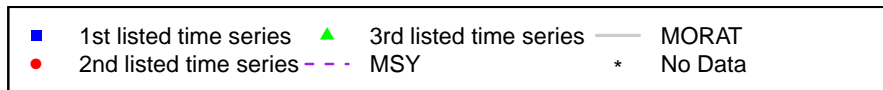
Blacktip shark Gulf of Mexico [BTIPSHARGM]

TC-E00, TL*, RecC* (1981-2010-HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*



Cobia Gulf of Mexico [COBGM]

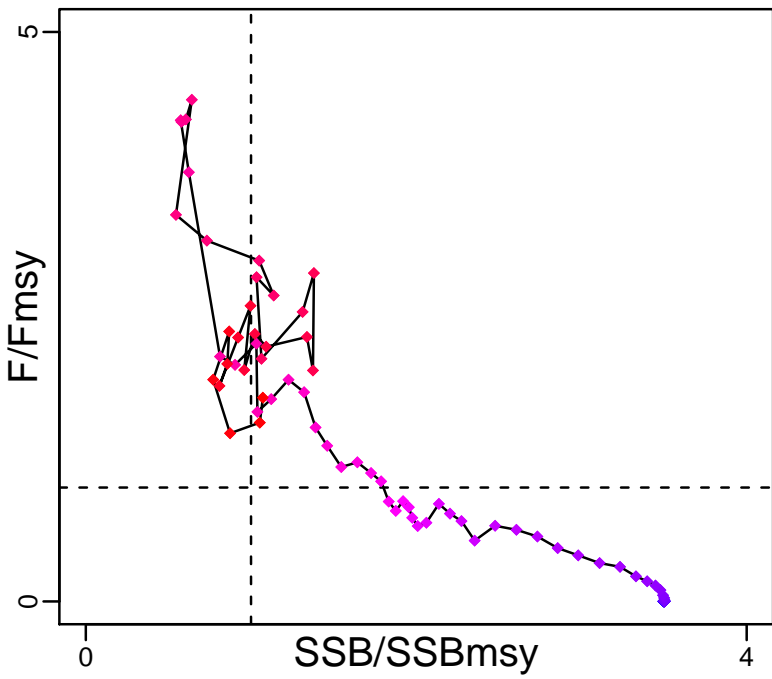
Metadata	
Scientific Name	Rachycentron canadum
Current Assess ID	SEFSC-COBGM-1927-2011-SISIMP2016
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2011	2065
Fmsy	Fmsy-1/yr	2011	0.38
ERmsy	ERmsy-conv-ratio	2011	0.26
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.38
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2011	1208
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2011	1280
Flim	Flim-1/yr	2011	0.38
ERlim	-	-	-

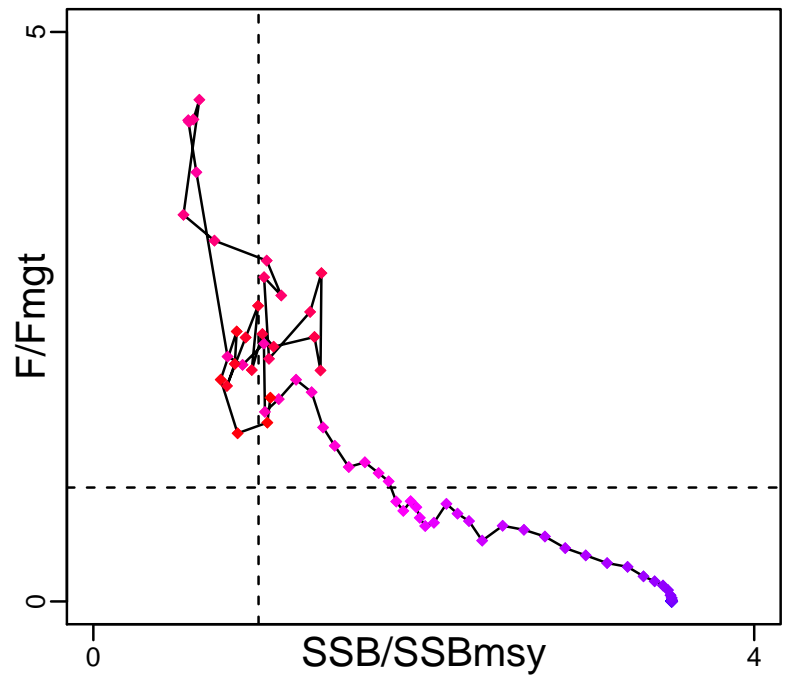
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	3020	-	1+
SSB	SSB-MT	2011	2210	Females	-
TN	-	-	-	-	-
R	R-E00	2011	1,350,000	-	0
F	F-1/yr	2011	0.68	-	-
ER	ER-calc-ratio	2011	0.29	-	-
TC	TC-MT	2011	866		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2011	1.07		
F/Fmsy	F-1/yr/Fmsy-1/yr	2011	1.79		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2011	1.1		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	1.79		
ER/ERmgt	-	-	-		

Cobia Gulf of Mexico [COBGM]

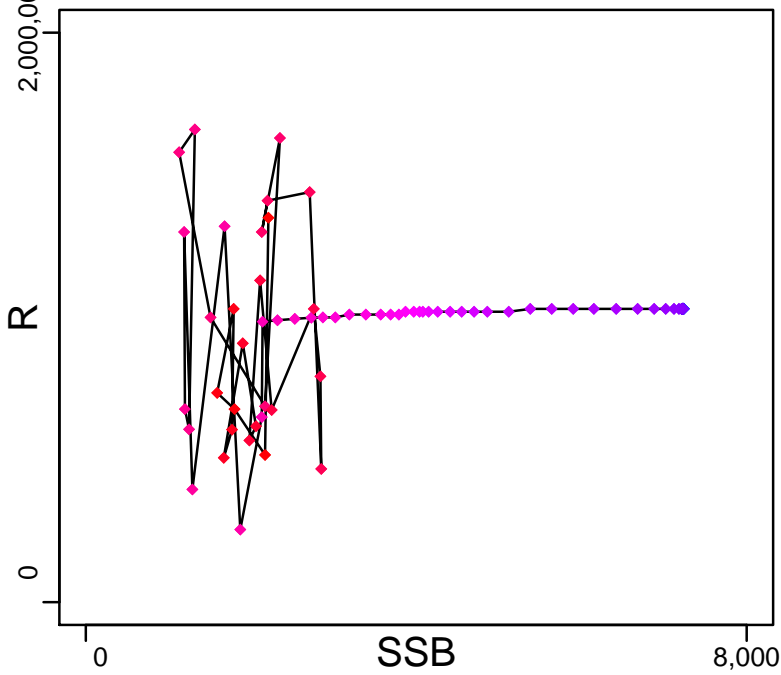
Kobe MSYpref (1927–2011–SISIMP2016)



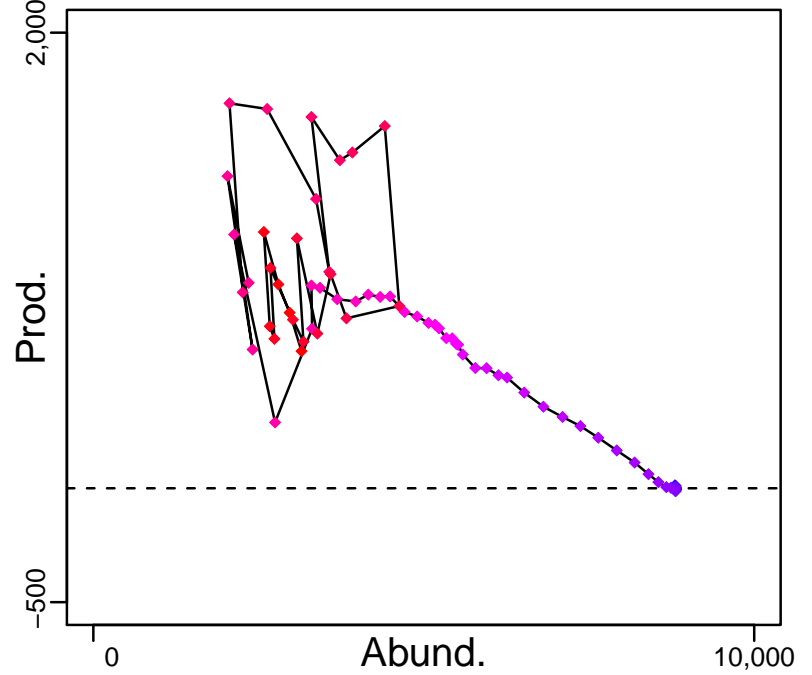
Kobe MGTpref (1927–2011–SISIMP2016)



Spawner Recruit (1927–2011–SISIMP2016)



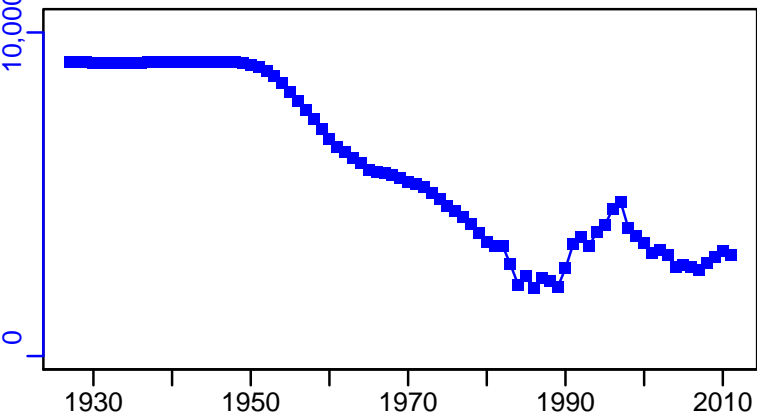
Production (1927–2011–SISIMP2016)



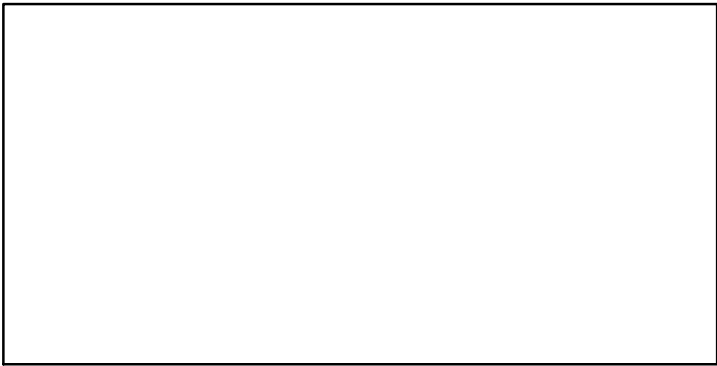
◆ Start Year ◆ End Year * No Data

Cobia Gulf of Mexico [COBGM]

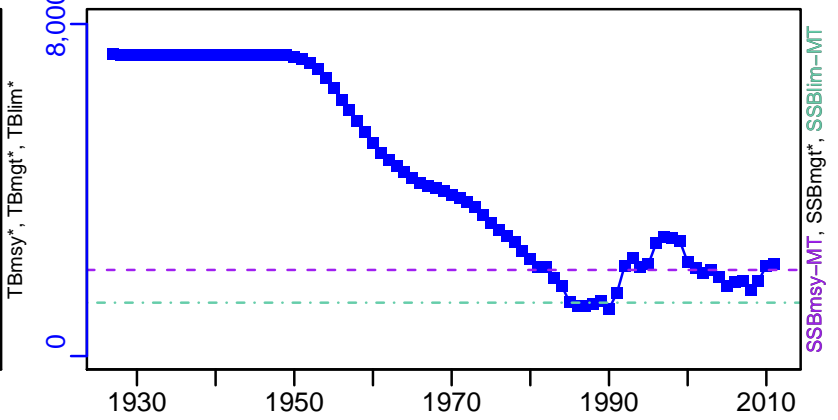
TB-MT (1927-2011-SISIMP2016)



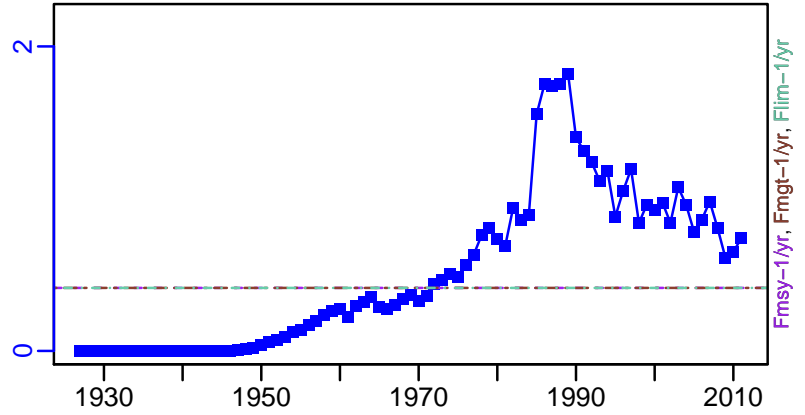
TN *



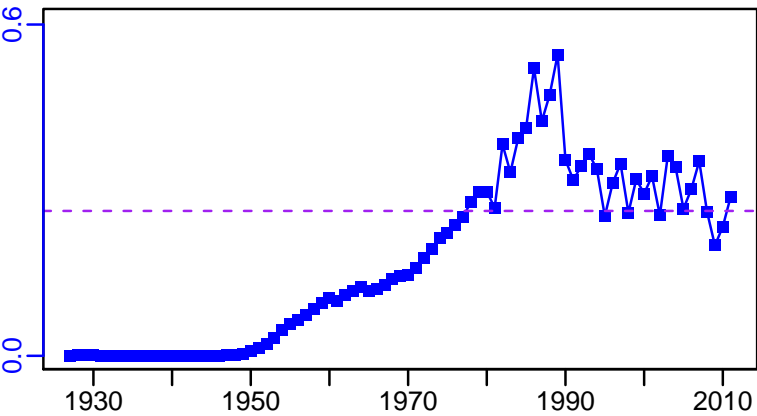
SSB-MT (1927-2011-SISIMP2016)



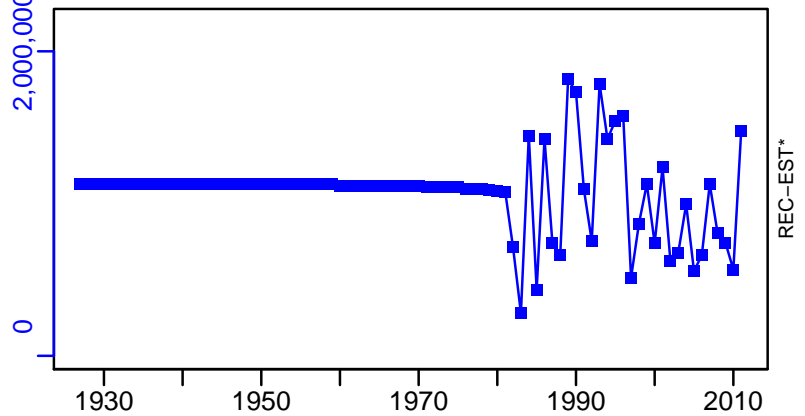
F-1/yr (1927-2011-SISIMP2016)



ER-calc-ratio (1927-2011-SISIMP2016)



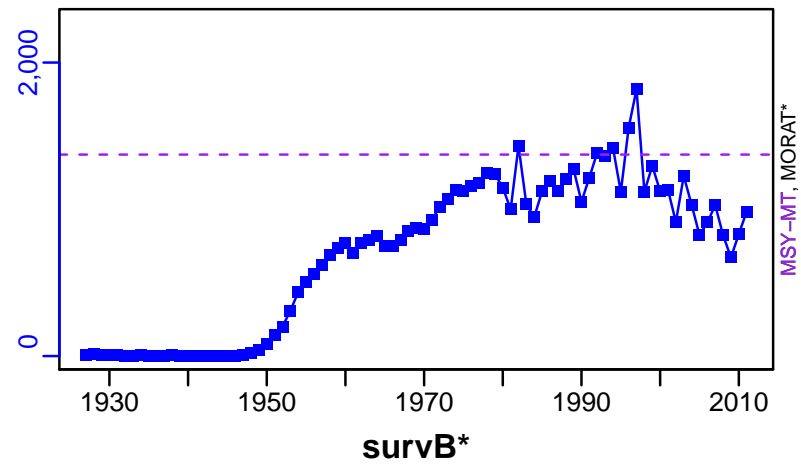
R-E00 (1927-2011-SISIMP2016)



Cobia Gulf of Mexico [COBGM]

TC-MT, TL*, RecC* (1927-2011-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



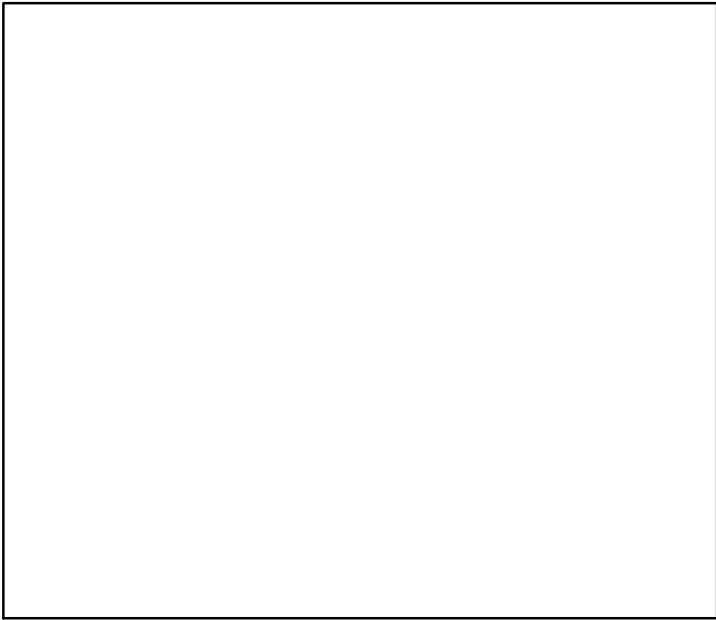
Cobia Southern Atlantic coast [COBSATLC]

Metadata	
Scientific Name	Rachycentron canadum
Current Assess ID	SEFSC-COBSATLC-1950-2011-SISIMP2016
Area	Southern Atlantic coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2011	536,800
Fmsy	-	-	-
ERmsy	ERmsy-conv-ratio	2011	0
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2011	367
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2011	397,200
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2011	693,000	Females	2+
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-	-	-
TL	-	-	-	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2011	1.29	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	-	-	-	-	-
ER/ERmgt	-	-	-	-	-

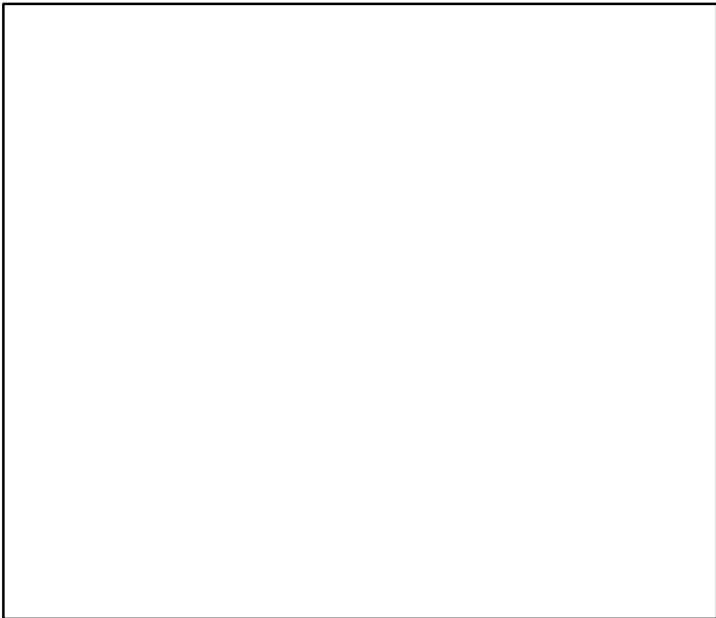
Kobe MSY*



Kobe MGT*



Spawner Recruit*



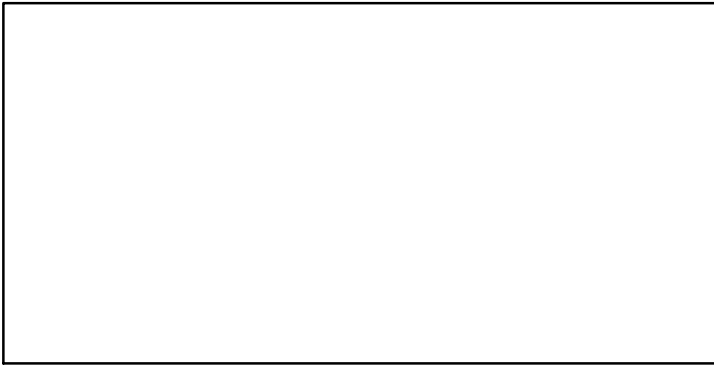
Production*



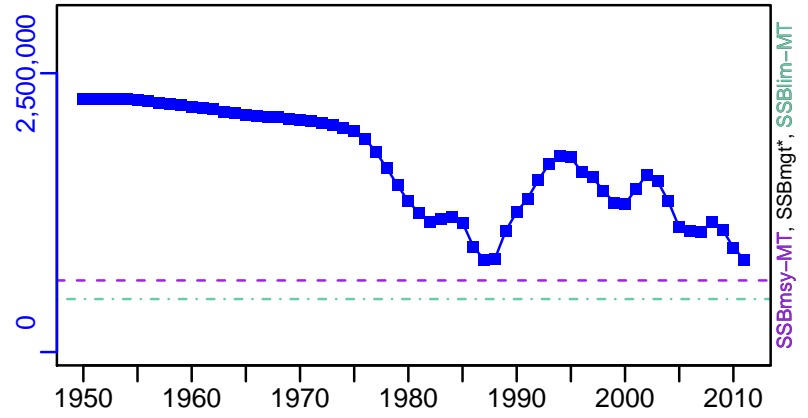
◆ Start Year ◆ End Year * No Data

Cobia Southern Atlantic coast [COBSATLC]

TB*



SSB-MT (1950-2011-SISIMP2016)



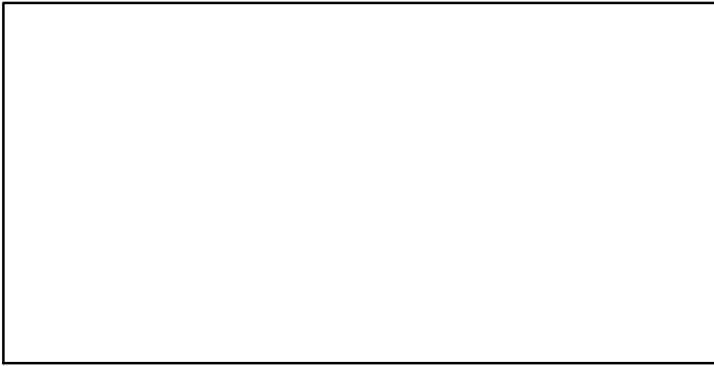
TN *



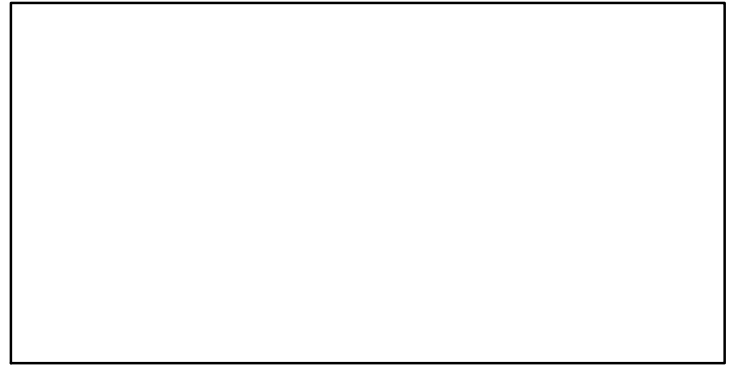
F*



ER*

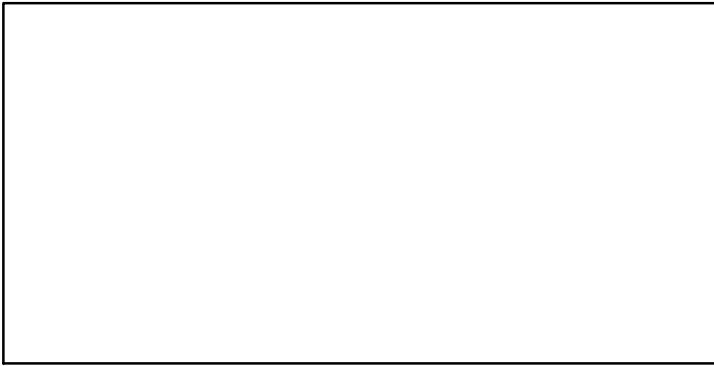


Recruits*

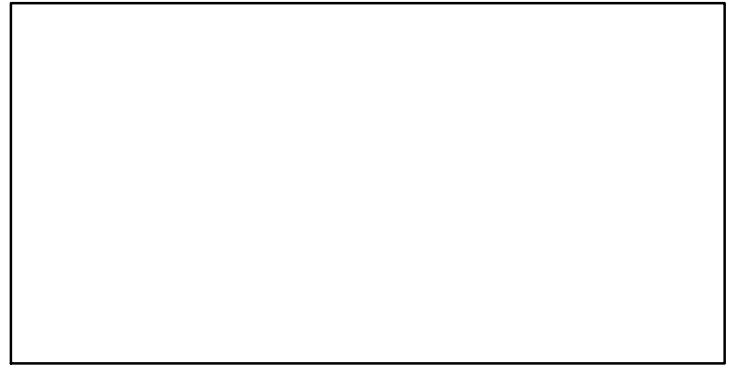


Cobia Southern Atlantic coast [COBSATLC]

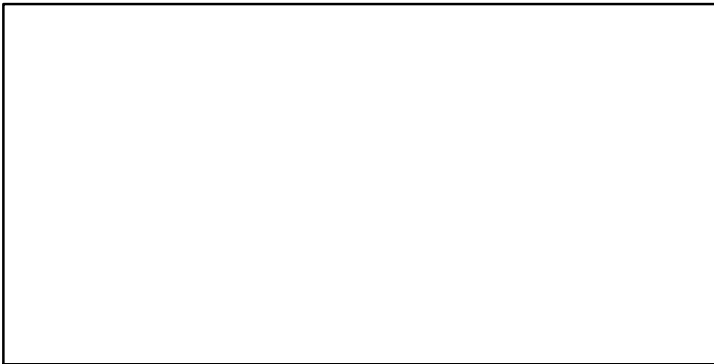
TC*, TL*, RecC*



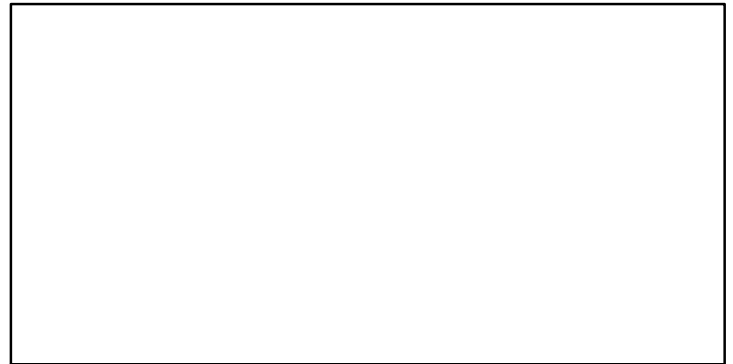
TAC*, Cpair*, Cadv*



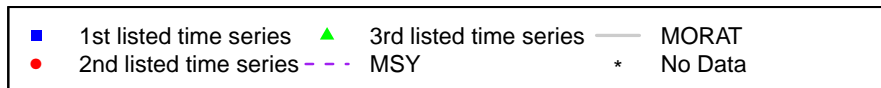
survB*



CPUE*



EFFORT*



Dusky shark Gulf of Mexico and Atlantic [DSKSHARGMATL]

Metadata	
Scientific Name	Carcharhinus obscurus
Current Assess ID	SEFSC-DSKSHARGMATL-1960-2009-SISIMP2016
Area	Gulf of Mexico and Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-extr-1/yr	2009	0.03
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2009	0.06	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	FdivFmsy-dimensionless	2009	1.56		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Dusky shark Gulf of Mexico and Atlantic [DSKSHARGMATL]

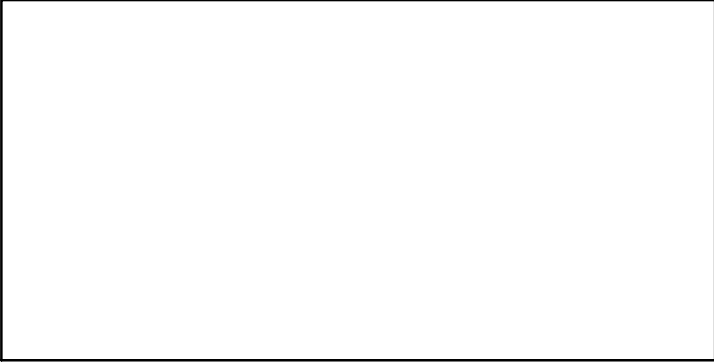
TB*



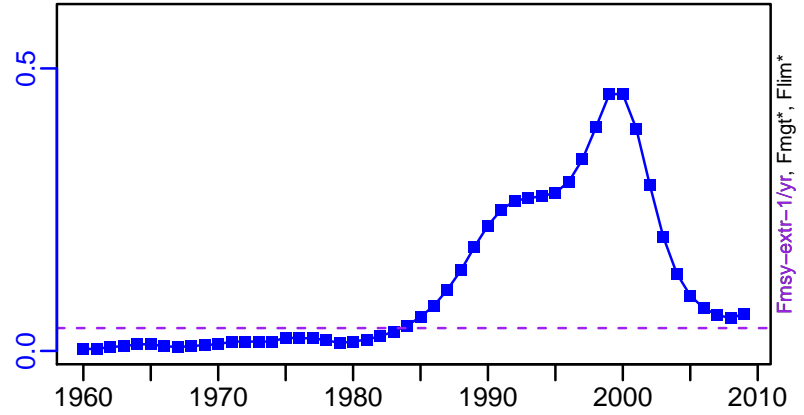
SSB*



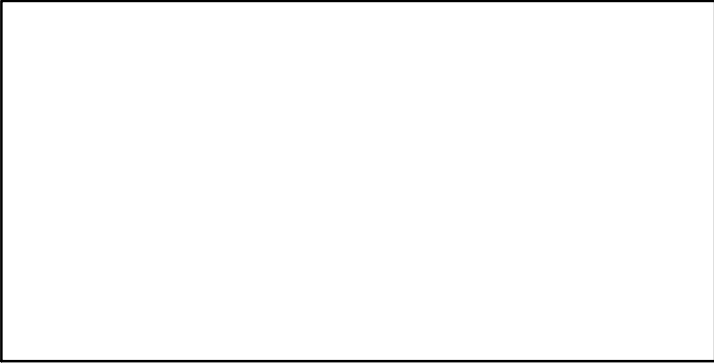
TN *



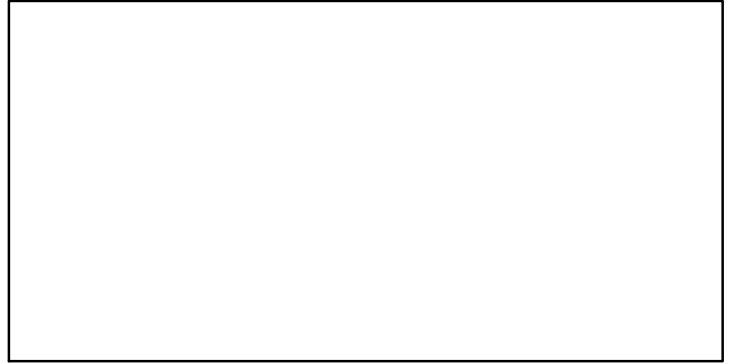
F-1/yr (1960-2009-SISIMP2016)



ER*



Recruits*



Dusky shark Gulf of Mexico and Atlantic [DSKSHARGMATL]

TC*, TL*, RecC*



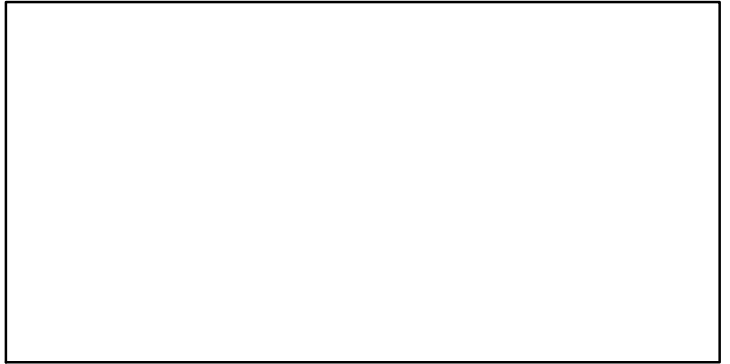
TAC*, Cpair*, Cadv*



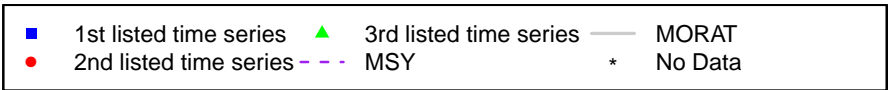
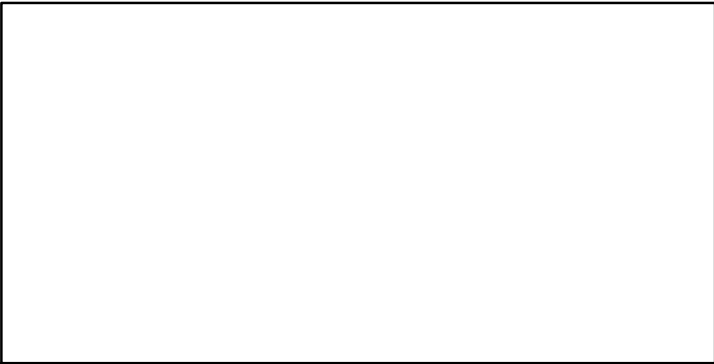
survB*



CPUE*



EFFORT*



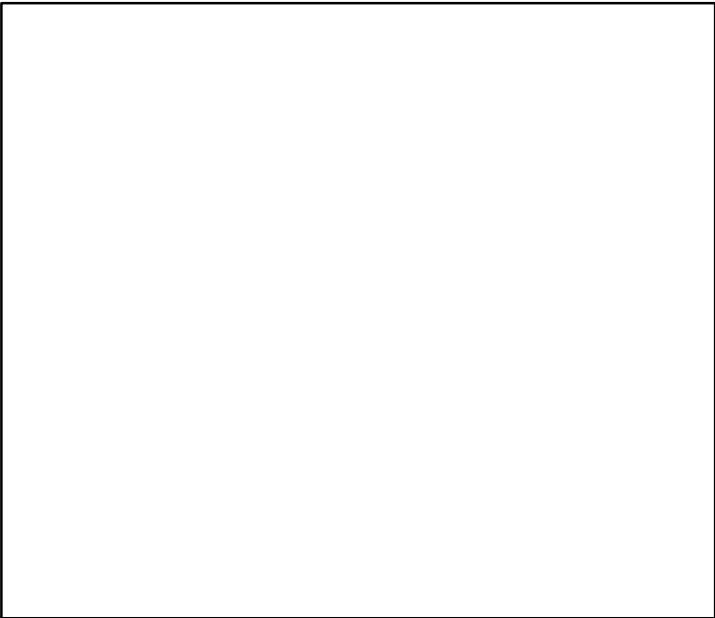
Finetooth shark Atlantic [FTOOTHSHARATL]

Metadata	
Scientific Name	Carcharhinus isodon
Current Assess ID	SEFSC-FTOOTHSHARATL-1976-2005-FAUCONNET
Area	Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2005

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2005	0.03
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-E00	2005	96,000
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	TN-E00	2005	4,160,000	-	-
R	-	-	-	-	-
F	F-1/yr	2005	0	-	-
ER	ER-calc-ratio	2005	0	-	-
TC	TC-E00	2005	10,700		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2005	0.09		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

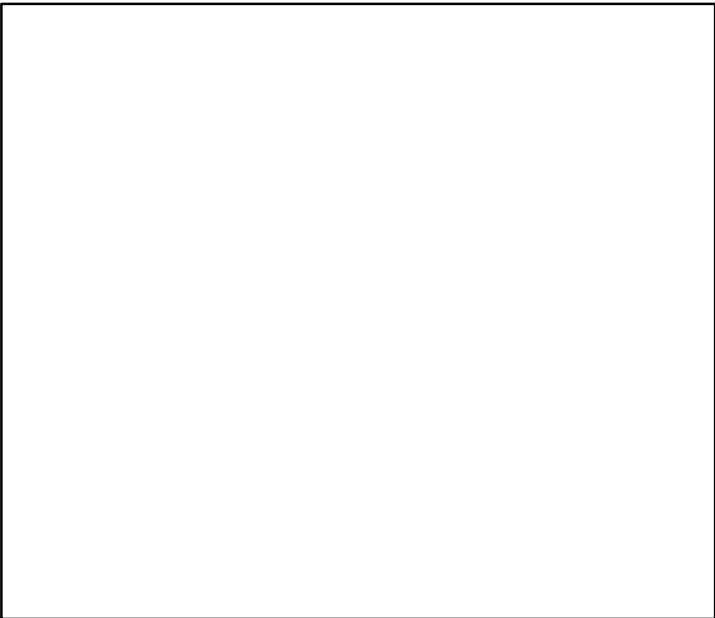
Kobe MSY*



Kobe MGT*



Spawner Recruit*



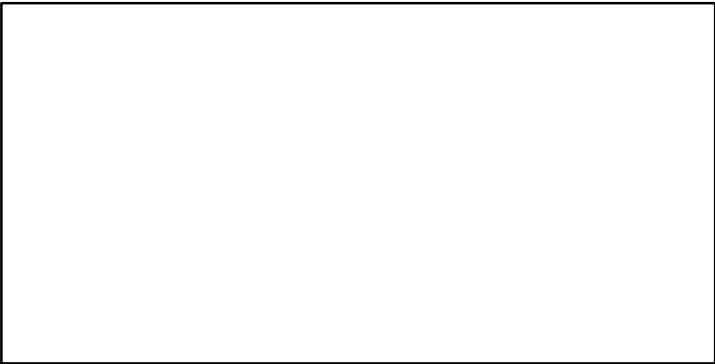
Production*



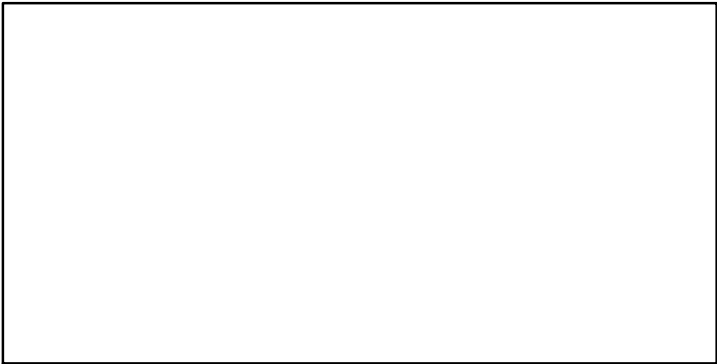
◆ Start Year ◆ End Year * No Data

Finetooth shark Atlantic [FTOOTHSHARATL]

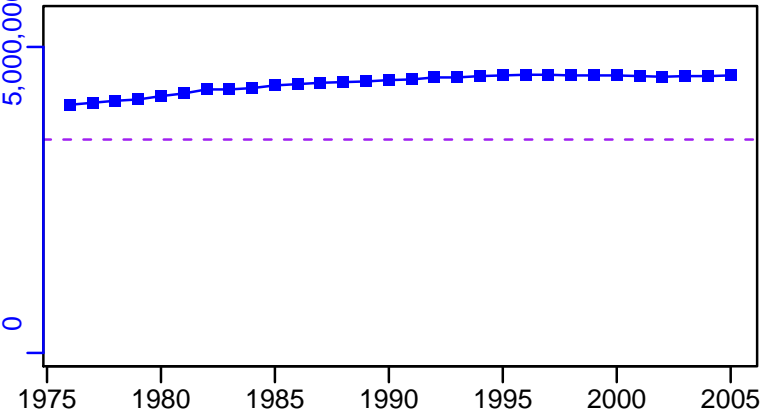
TB*



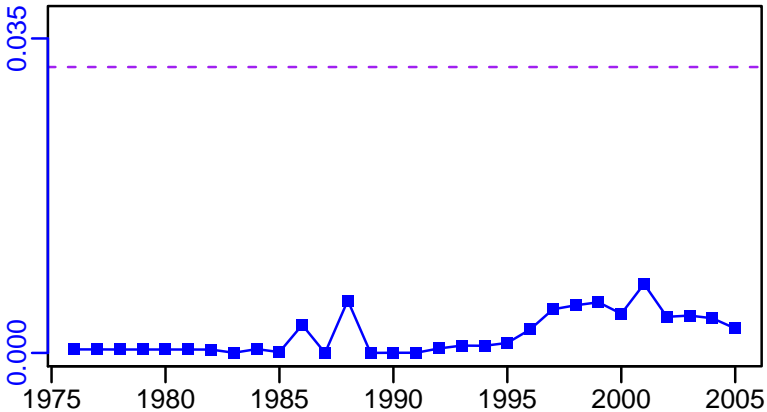
SSB*



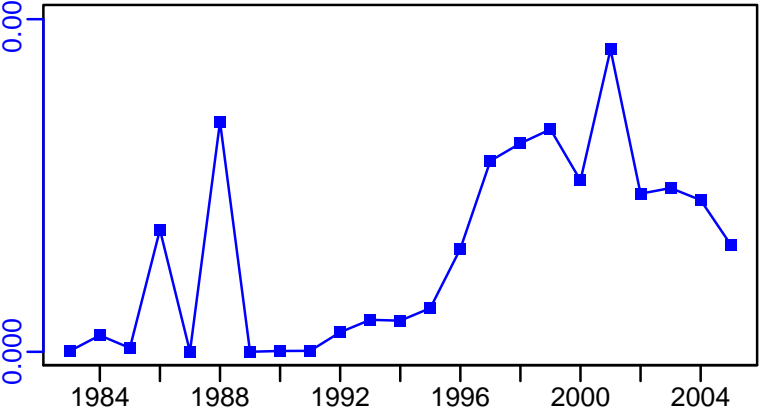
TN-E00 (1976-2005-FAUCONNET)



F-1/yr (1976-2005-FAUCONNET)



ER-calc-ratio (1976-2005-FAUCONNET)

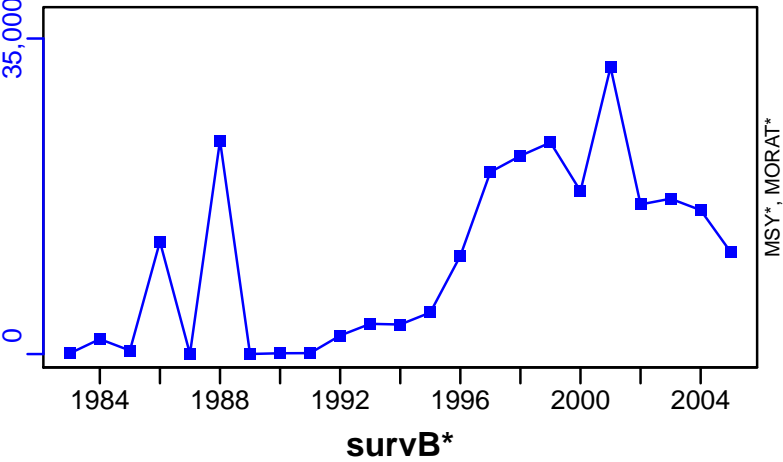


Recruits*



Finetooth shark Atlantic [FTOOTHSHARATL]

TC-E00, TL*, RecC* (1976–2005–FAUCONNET)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Gag Gulf of Mexico [GAGGM]

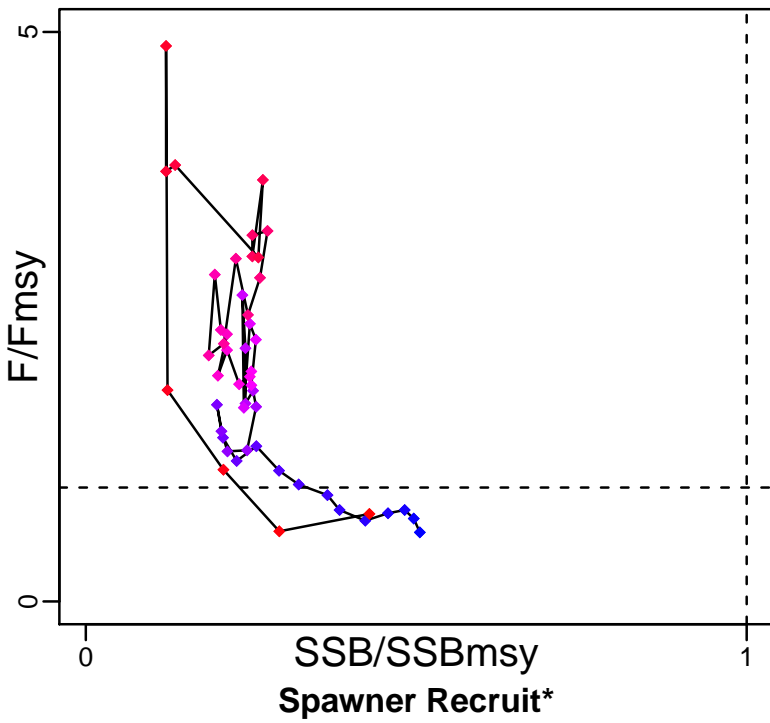
Metadata	
Scientific Name	Mycteroperca microlepis
Current Assess ID	SEFSC-GAGGM-1963-2012-HIVELY
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-pr-MT	2012	27,558
Fmsy	Fmsy-pr-1/yr	2012	0.11
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2012	27,558
Fmgt	Fmgt-1/yr	2012	0.08
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2012	0.13
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

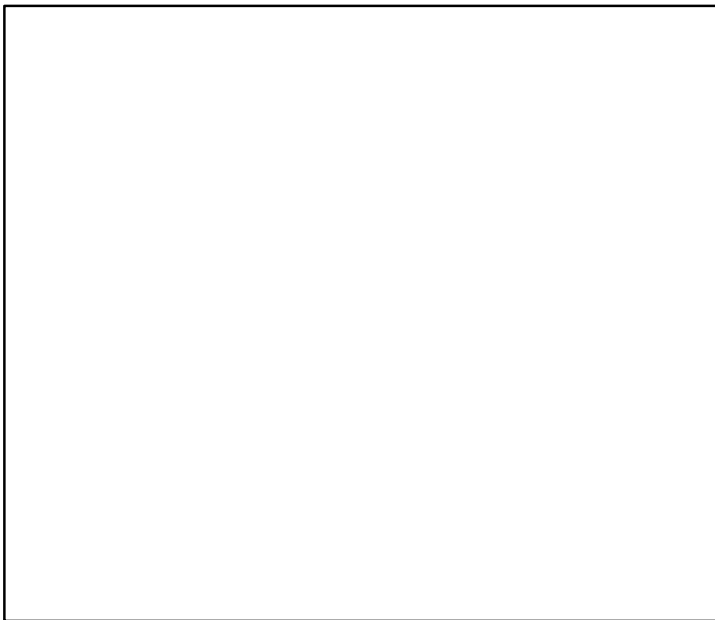
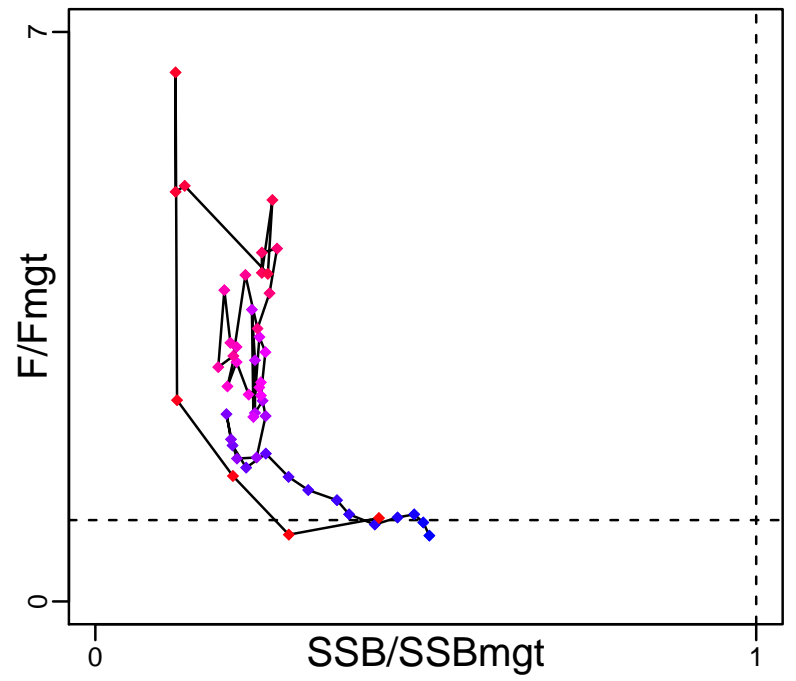
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	11,800	Females	3.7+
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2012	0.08	-	-
ER	ER-calc-ratio	2012	0.01	-	-
TC	TC-MT	2012	237		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2012	0.43		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2012	0.77		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2012	0.43		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	1.02		
ER/ERmgt	-	-	-		

Gag Gulf of Mexico [GAGGM]

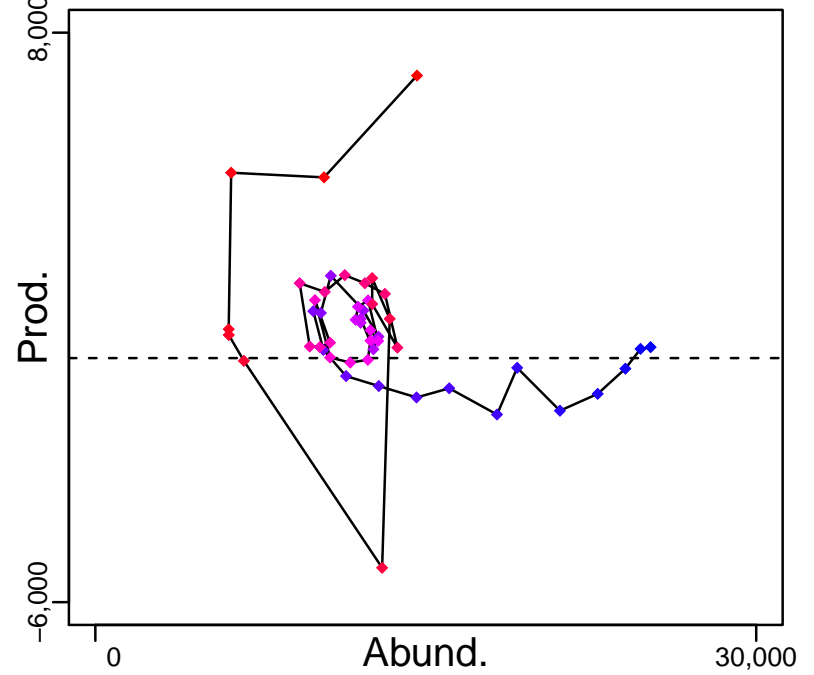
Kobe MSYpref (1963–2012–HIVELY)



Kobe MGTpref (1963–2012–HIVELY)



Production (1963–2012–HIVELY)



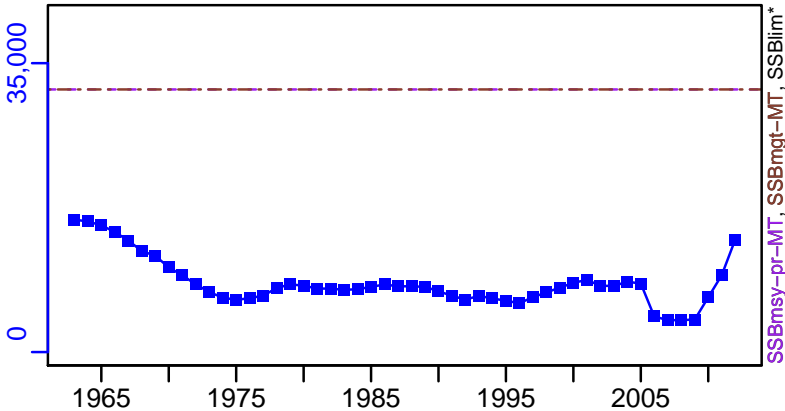
◆ Start Year ◆ End Year * No Data

Gag Gulf of Mexico [GAGGM]

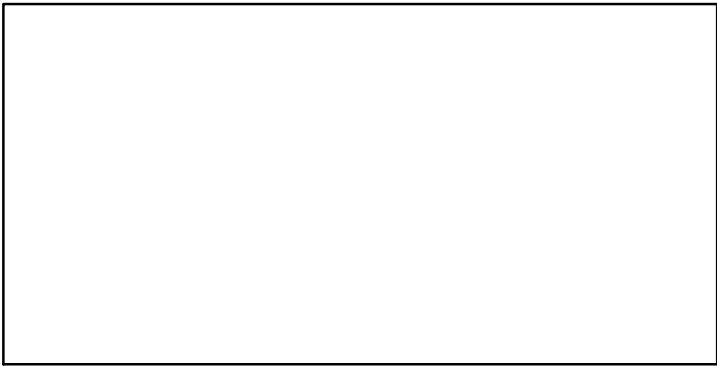
TB*



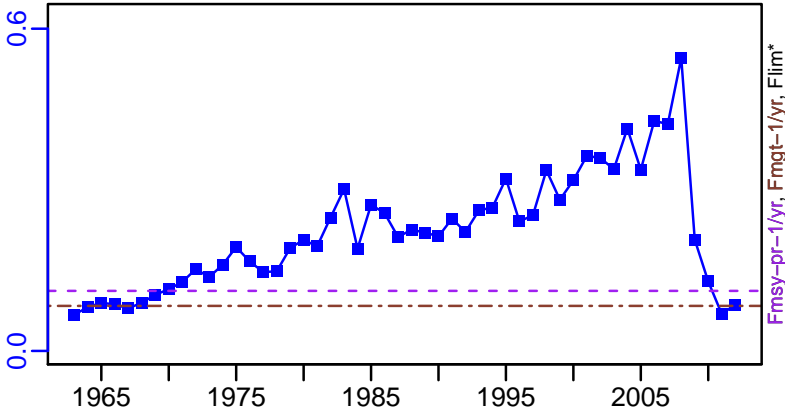
SSB-MT (1963–2012–HIVELY)



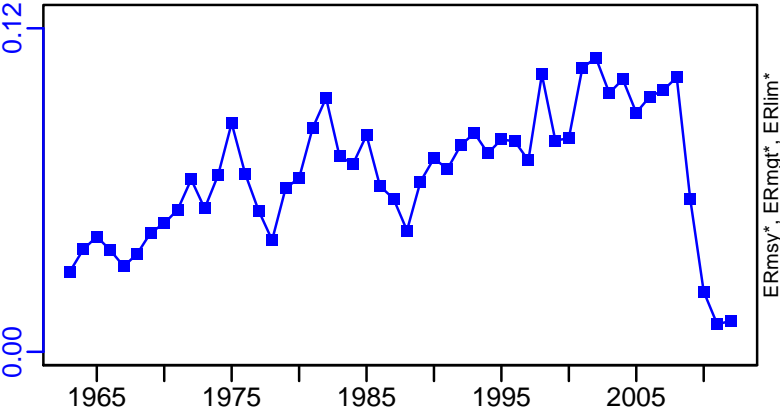
TN *



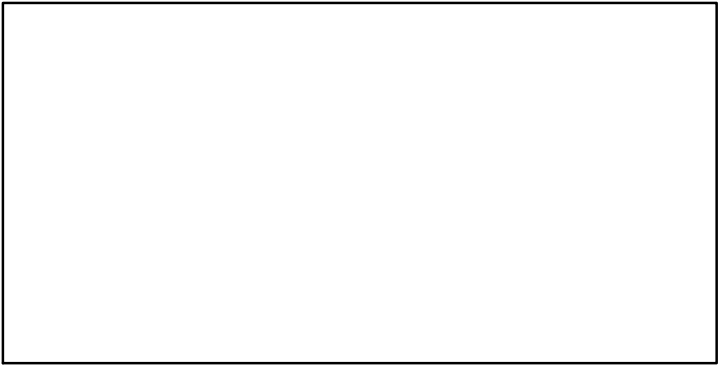
F-1/yr (1963–2012–HIVELY)



ER-calc-ratio (1963–2012–HIVELY)

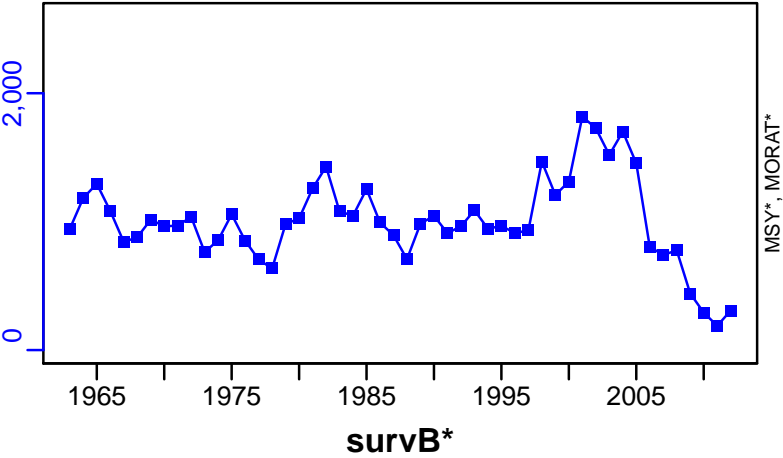


Recruits*



Gag Gulf of Mexico [GAGGM]

TC-MT, TL*, RecC* (1963–2012–HIVELY)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Gag Southern Atlantic coast [GAGSATLC]

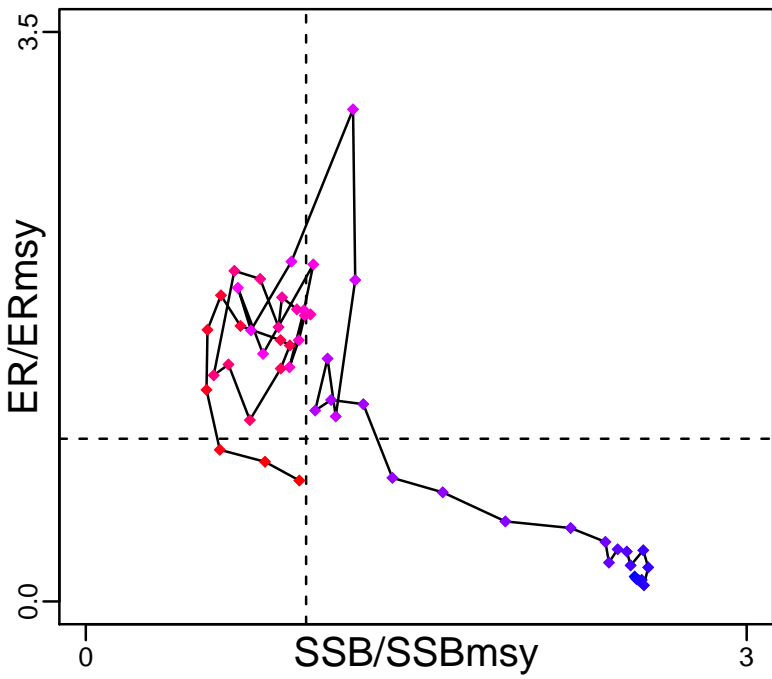
Metadata	
Scientific Name	Mycteroperca microlepis
Current Assess ID	SEFSC-GAGSATLC-1962-2012-SISIMP2016
Area	Southern Atlantic coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2005, 2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2012	1832
Fmsy	Fmsy-1/yr	2005	0.3
ERmsy	ERmsy-ratio	2005	0.12
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2012	426
M	M-1/yr	2005	0.14
TBlim	-	-	-
SSBlim	SSBlim-MT	2012	1575
Flim	Flim-1/yr	2005	0.24
ERlim	-	-	-

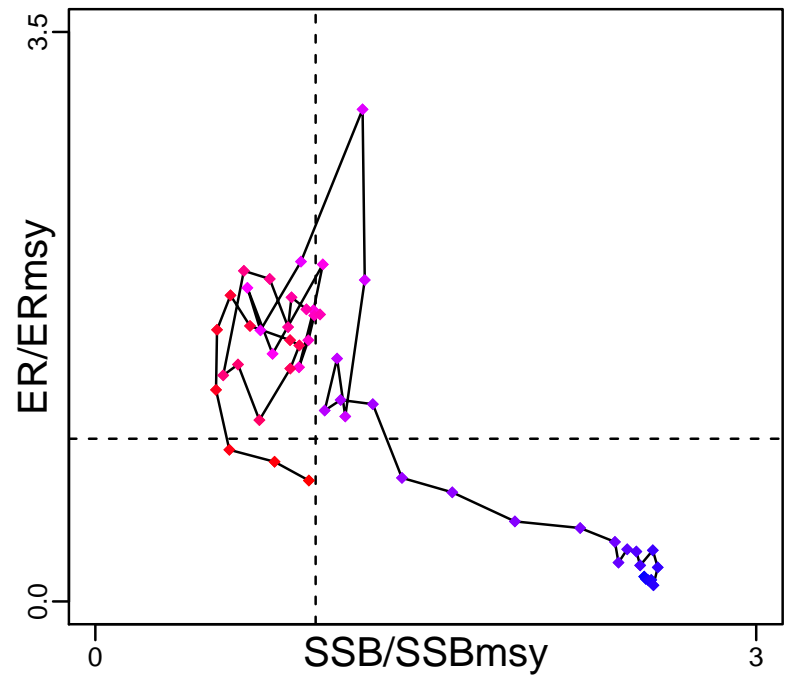
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2012	2620	-	1+
SSB	SSB-MT	2012	1780	Females	3+
TN	-	-	-	-	-
R	R-E00	2005	270,000	-	-
F	F-1/yr	2005	0.4	-	-
ER	ER-calc-ratio	2012	0.09	-	-
TC	TC-MT	2012	245		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2012	0.97		
F/Fmsy	F-1/yr/Fmsy-1/yr	2005	1.36		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2012	0.74		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Gag Southern Atlantic coast [GAGSATLC]

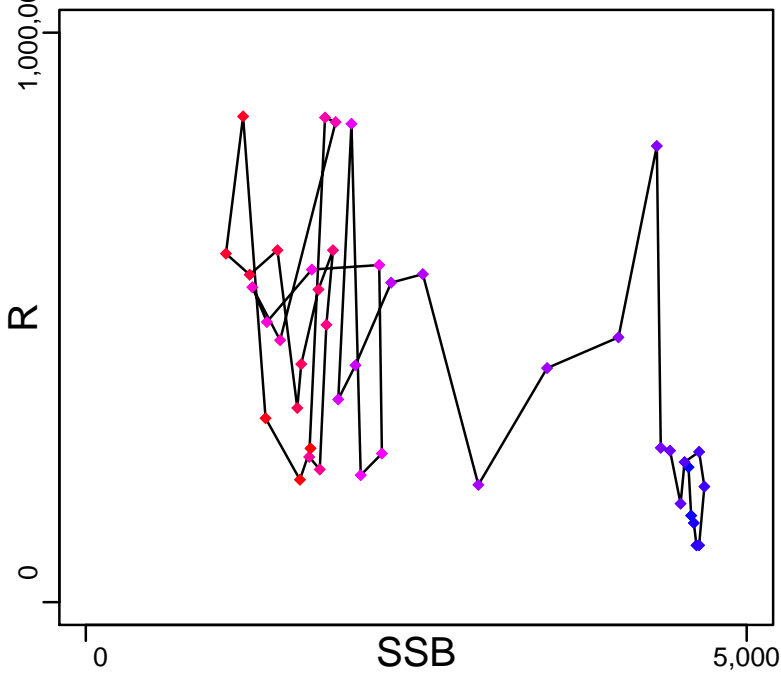
Kobe MSYpref (1962–2012–SISIMP2016)



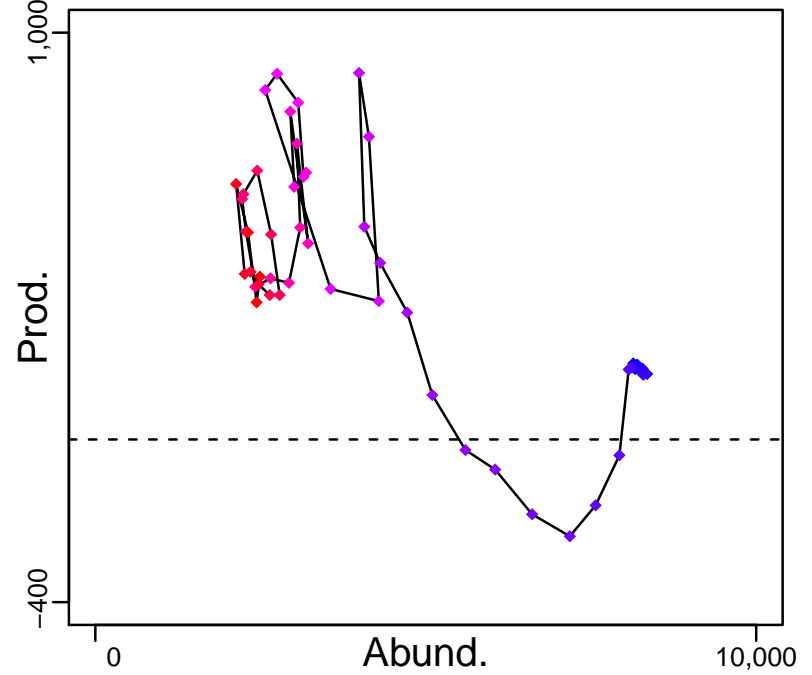
Kobe MGTpref (1962–2012–SISIMP2016)



Spawner Recruit (1962–2005–JENSEN)



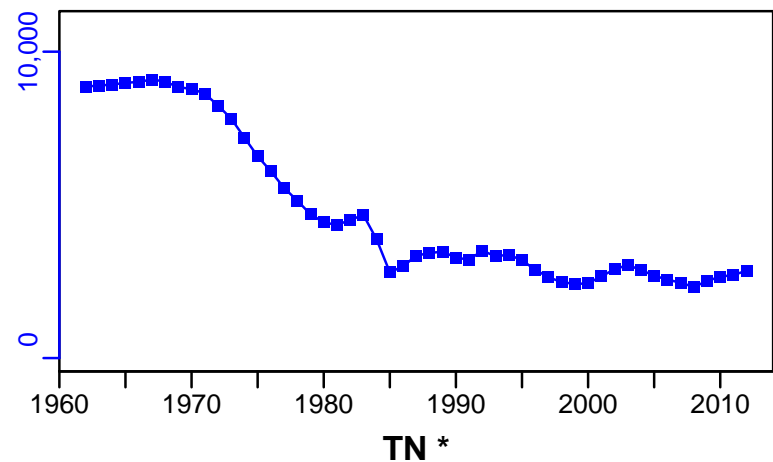
Production (1962–2012–SISIMP2016)



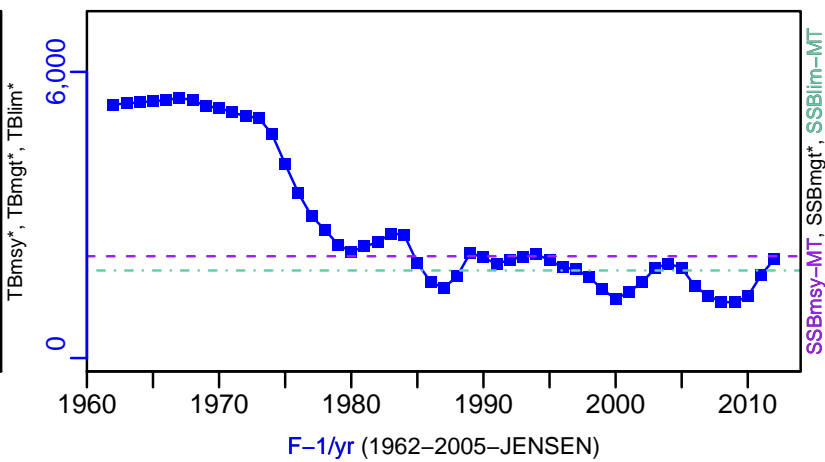
◆ Start Year ◆ End Year * No Data

Gag Southern Atlantic coast [GAGSATLC]

TB-MT (1962–2012–SISIMP2016)



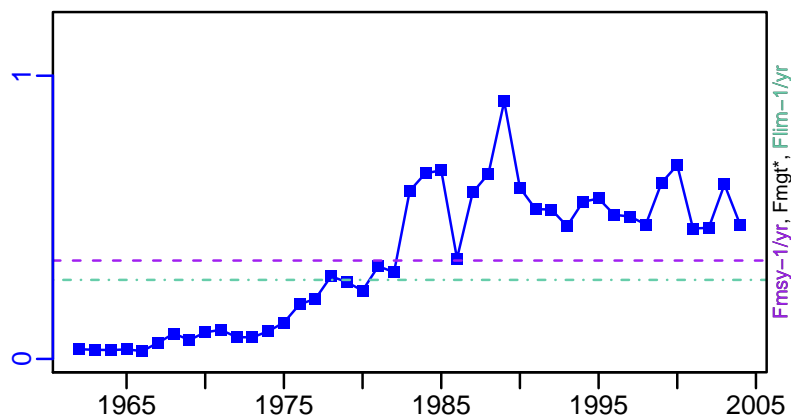
SSB-MT (1962–2012–SISIMP2016)



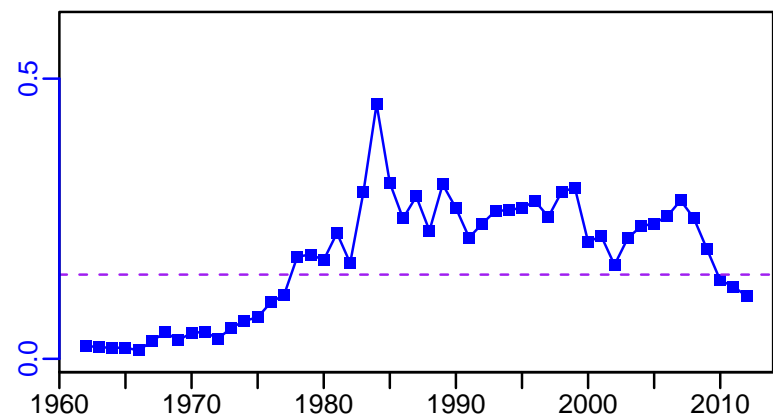
TN *



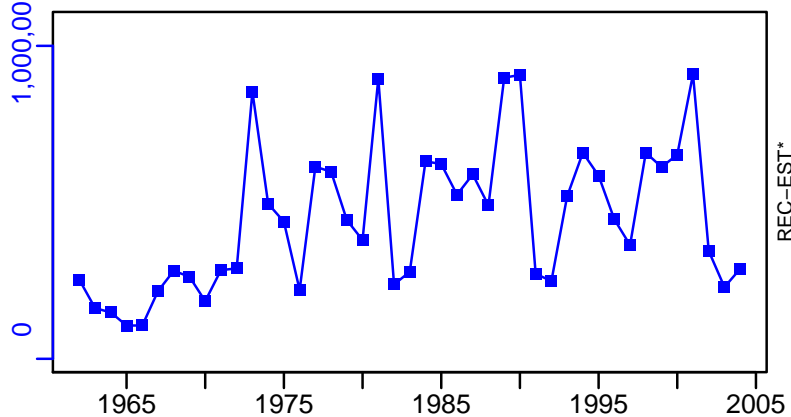
F-1/yr (1962–2005–JENSEN)



ER-calc-ratio (1962–2012–SISIMP2016)

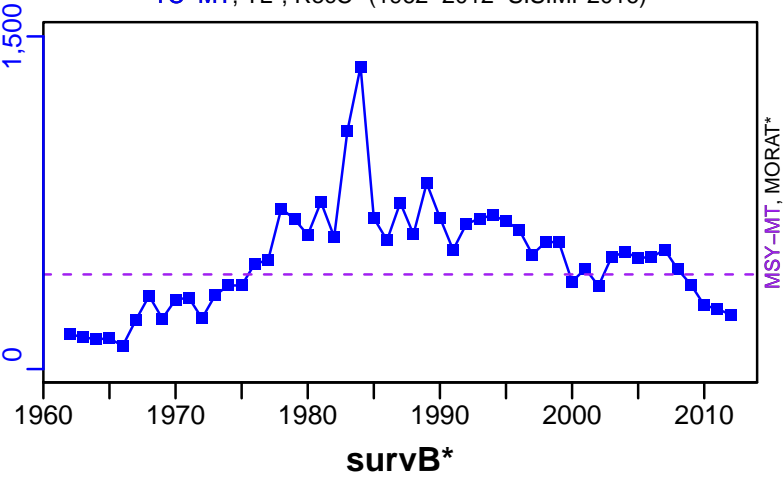


R-E00 (1962–2005–JENSEN)

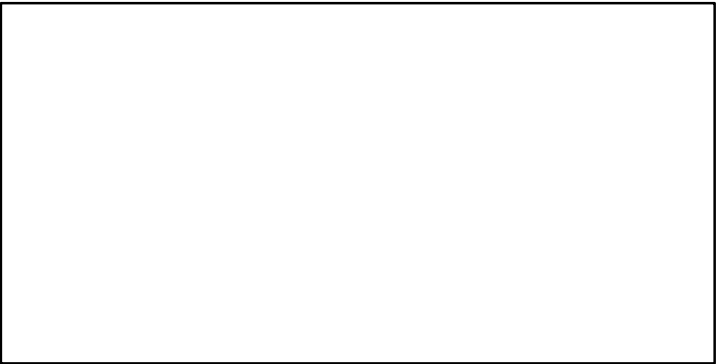


Gag Southern Atlantic coast [GAGSATLC]

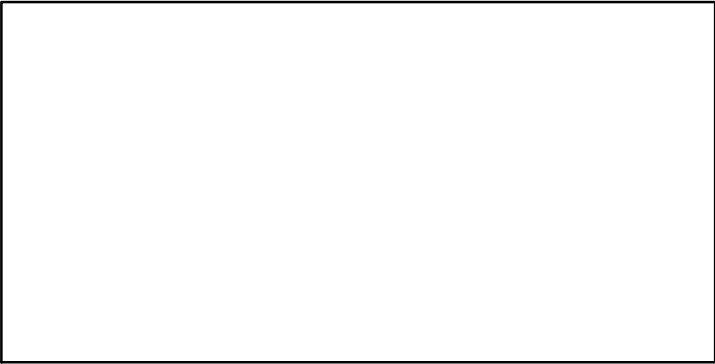
TC-MT, TL*, RecC* (1962-2012-SISIMP2016)



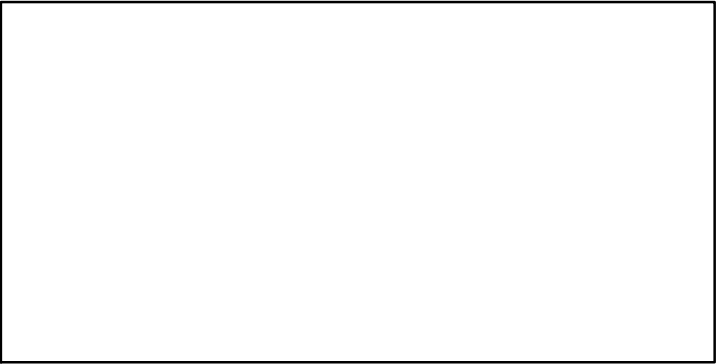
TAC*, Cpair*, Cadv*



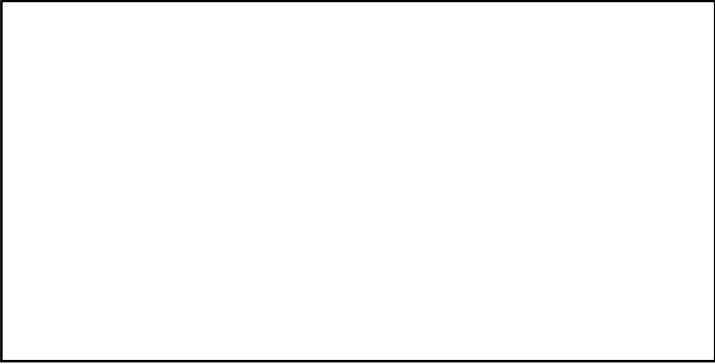
survB*



CPUE*



EFFORT*



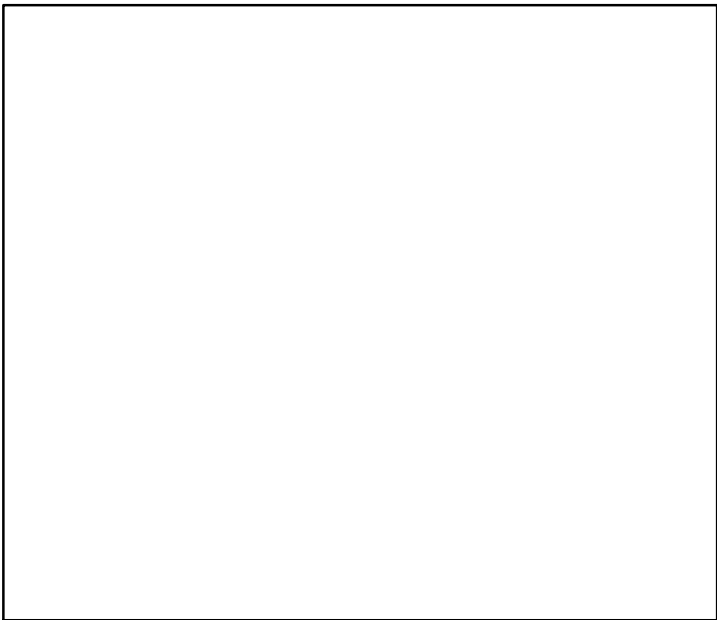
Goliath grouper Southern Atlantic coast and Gulf of Mexico [GLGROUPTSATLCGM]

Metadata	
Scientific Name	Epinephelus itajara
Current Assess ID	SEFSC-GLGROUPTSATLCGM-1950-2009-SISIMP2016
Area	Southern Atlantic coast and Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2009	0		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

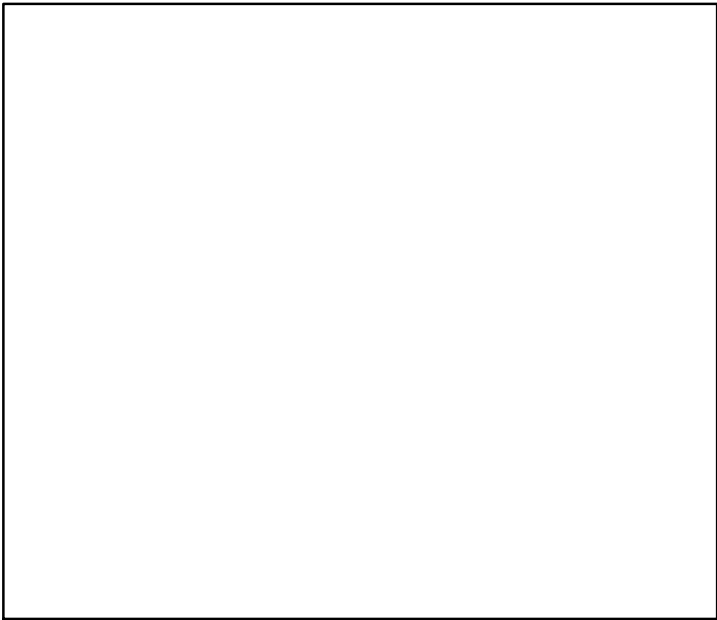
Kobe MSY*



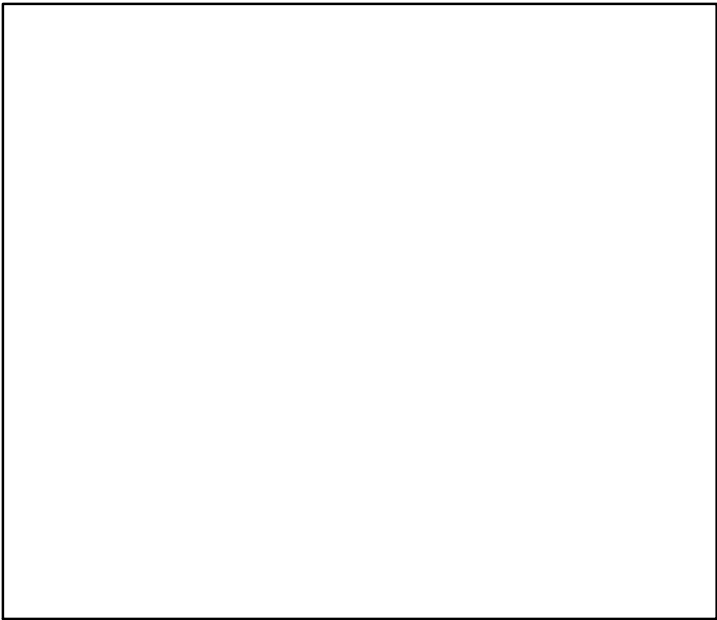
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*



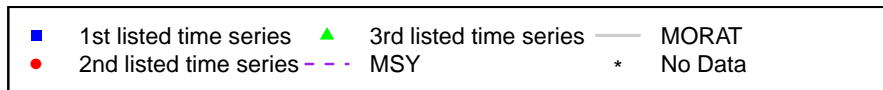
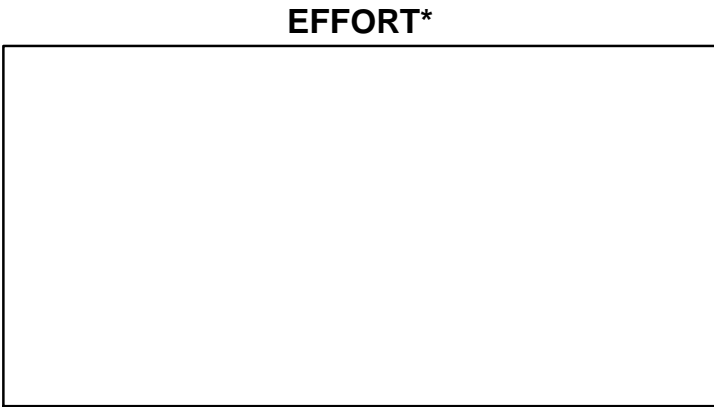
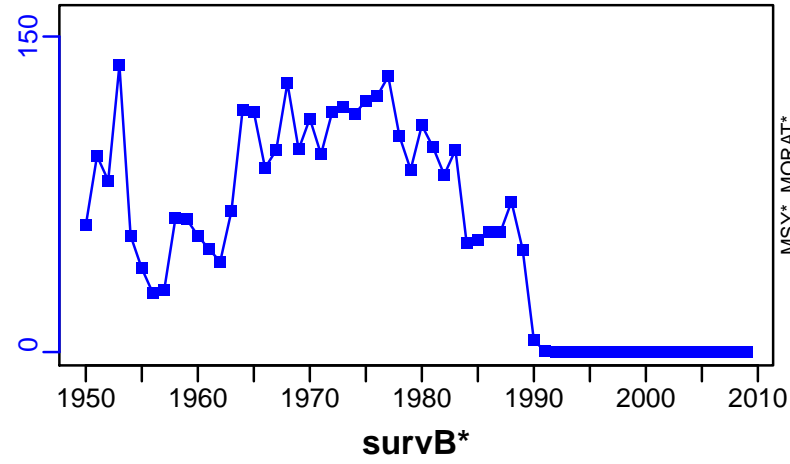
Recruits*



Goliath grouper Southern Atlantic coast and Gulf of Mexico [GLGROUPTSATLCGM]

TC-MT, TL*, RecC* (1950–2009–SISIMP2016)

TAC*, Cpair*, Cadv*



Greater amberjack Gulf of Mexico [GRAMBERGM]

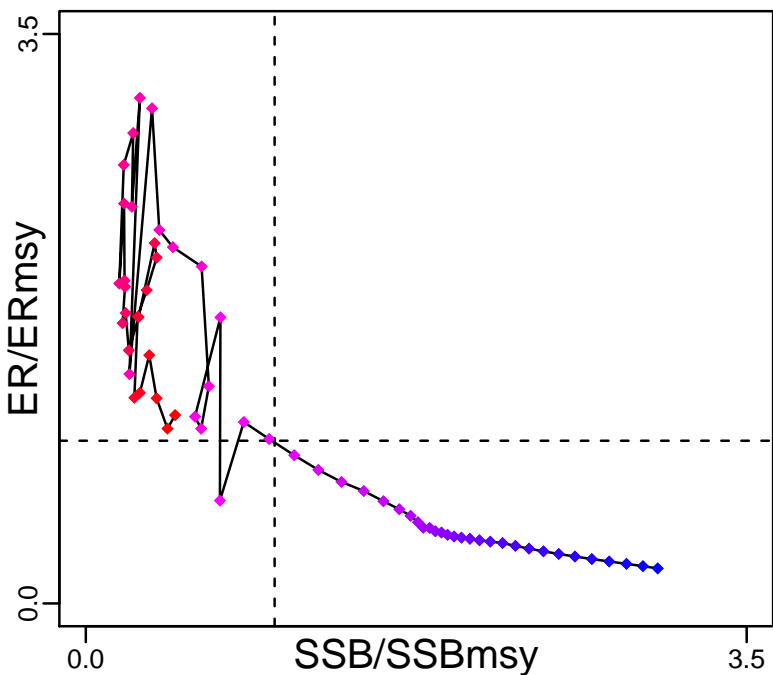
Metadata	
Scientific Name	Seriola dumerili
Current Assess ID	SEFSC-GRAMBERGM-1950-2012-SISIMP2016
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2012, 2004

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2004	4025
SSBmsy	SSBmsy-MT	2012	4627
Fmsy	Fmsy-1/yr	2004	0.57
ERmsy	ERmsy-ratio	2012	0.22
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2012	0.17
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2012	1633
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2012	3357
Flim	Flim-1/yr	2004	0.57
ERlim	ERlim-ratio	2012	0.22

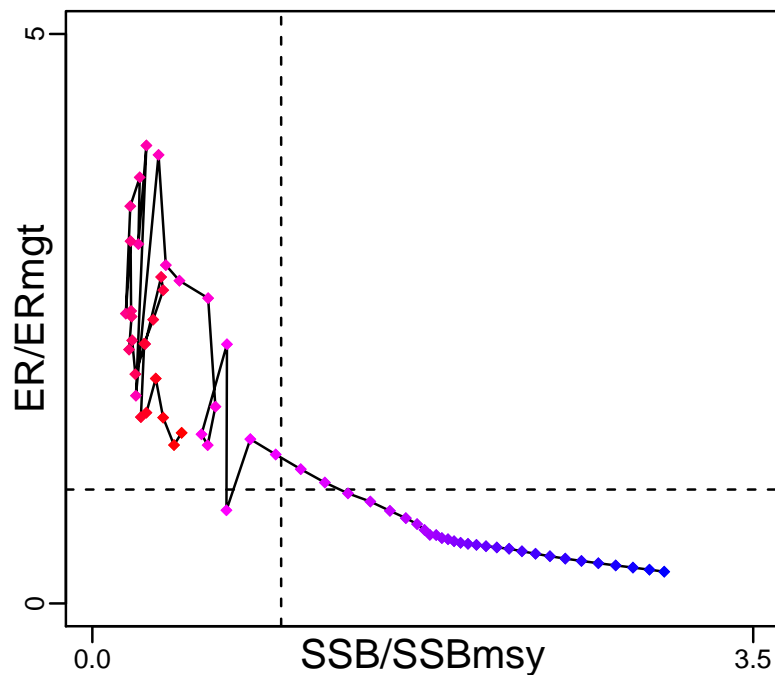
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2012	3860	-	1+
SSB	SSB-MT	2012	2190	Females	3+
TN	-	-	-	-	-
R	R-E00	2012	3×10^6	-	0
F	F-1/yr	2004	0.87	-	-
ER	ER-ratio	2012	0.26	-	-
TC	TC-MT	2012	983		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-MT	2004	0.48		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2012	0.47		
F/Fmsy	F-1/yr/Fmsy-1/yr	2004	1.53		
ER/ERmsy	ER-ratio/ERmsy-ratio	2012	1.16		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Greater amberjack Gulf of Mexico [GRAMBERGM]

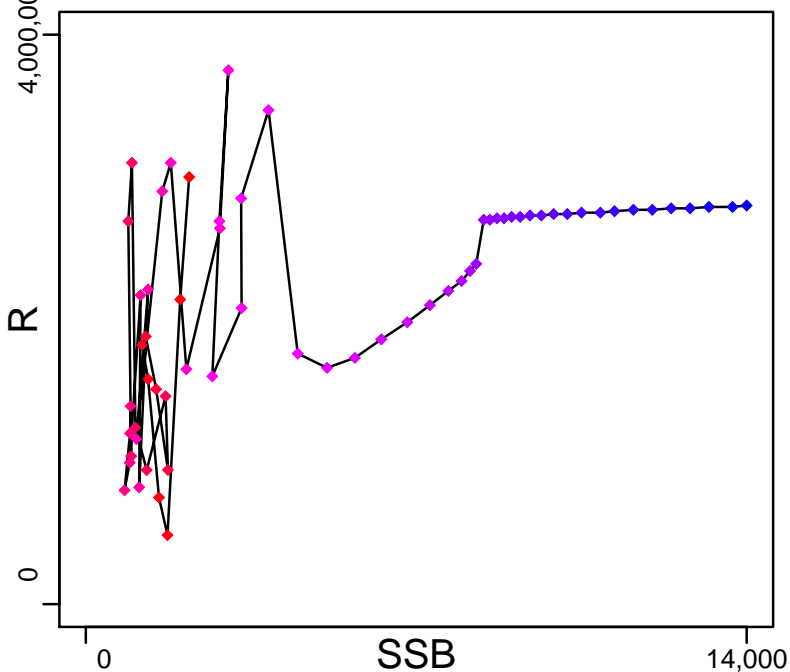
Kobe MSYpref (1950–2012–SISIMP2016)



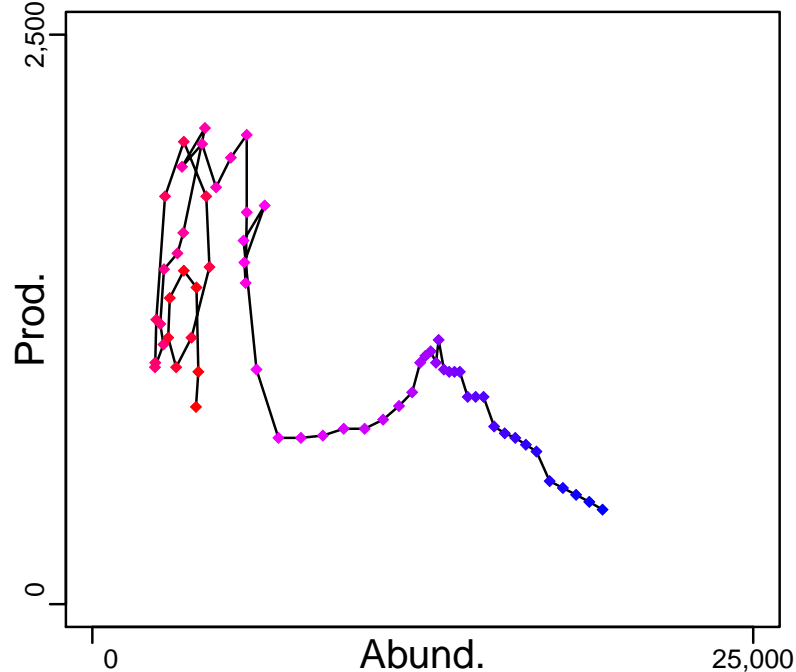
Kobe MGTpref (1950–2012–SISIMP2016)



Spawner Recruit (1950–2012–SISIMP2016)



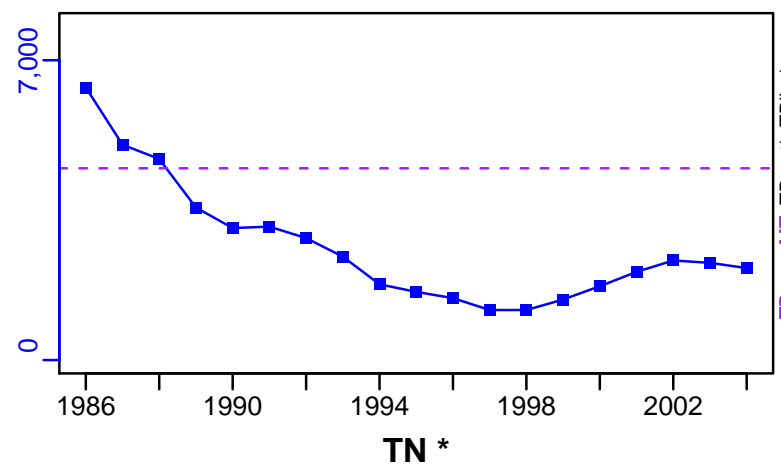
Production (1950–2012–SISIMP2016)



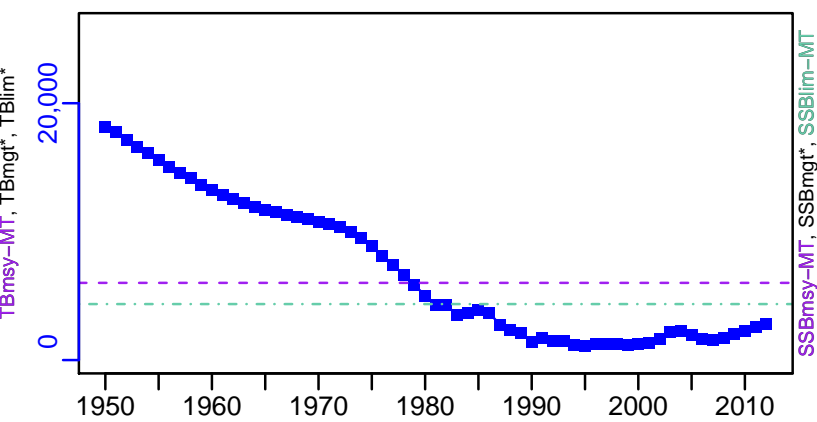
◆ Start Year ◆ End Year * No Data

Greater amberjack Gulf of Mexico [GRAMBERGM]

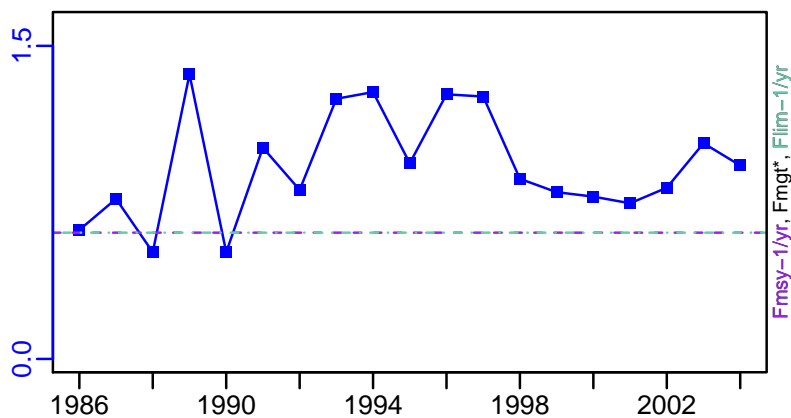
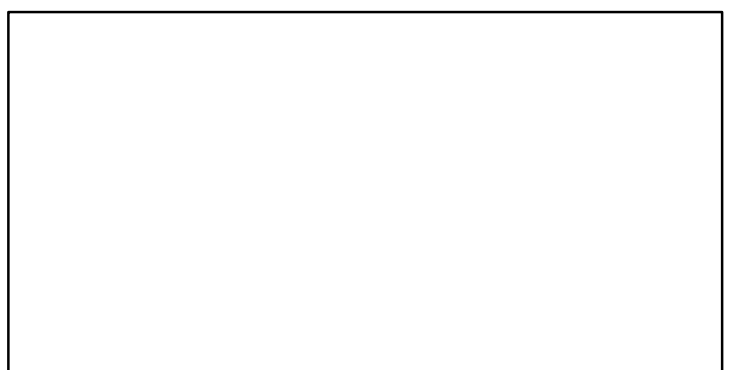
TB-MT (1986–2004–JENSEN)



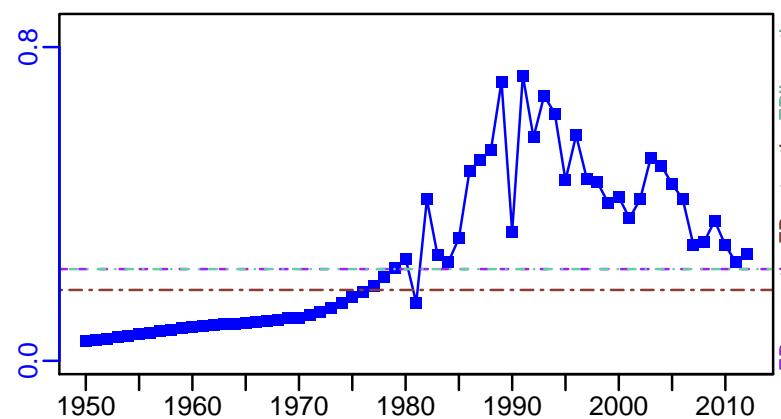
SSB-MT (1950–2012–SISIMP2016)



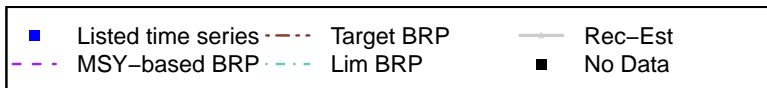
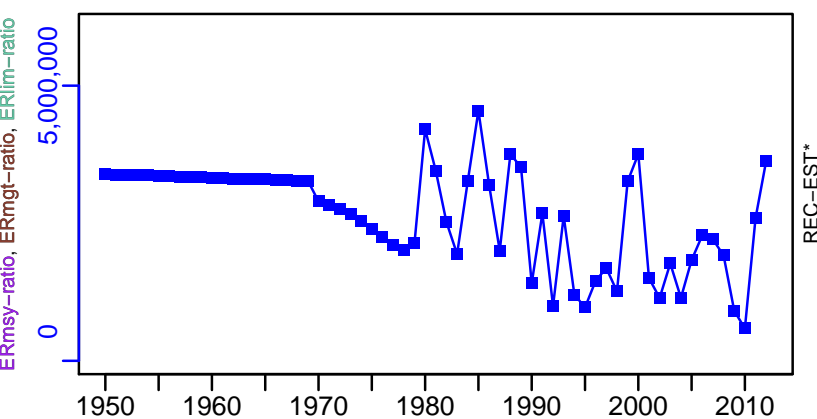
F-1/yr (1986–2004–JENSEN)



ER-ratio (1950–2012–SISIMP2016)

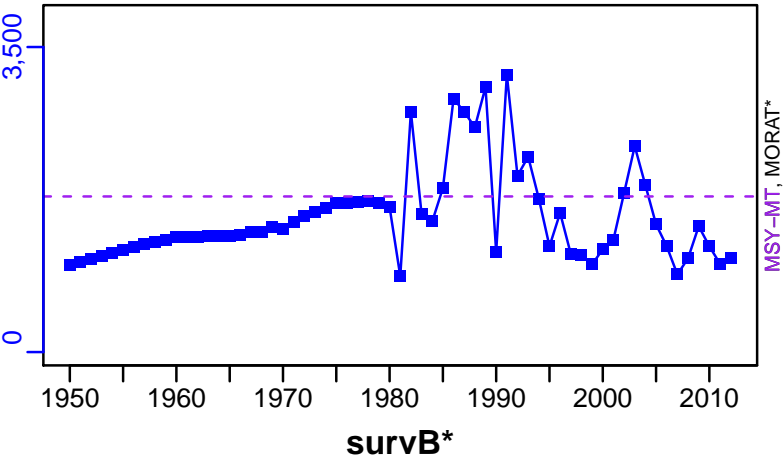


R-E00 (1950–2012–SISIMP2016)

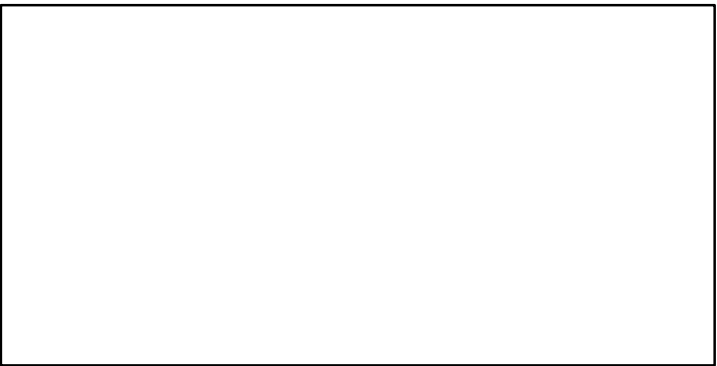


Greater amberjack Gulf of Mexico [GRAMBERGM]

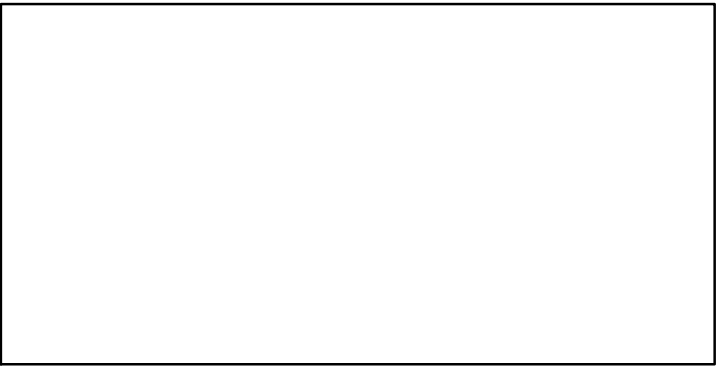
TC-MT, TL*, RecC* (1950-2012-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Greater amberjack Southern Atlantic coast [GRAMBERSATLC]

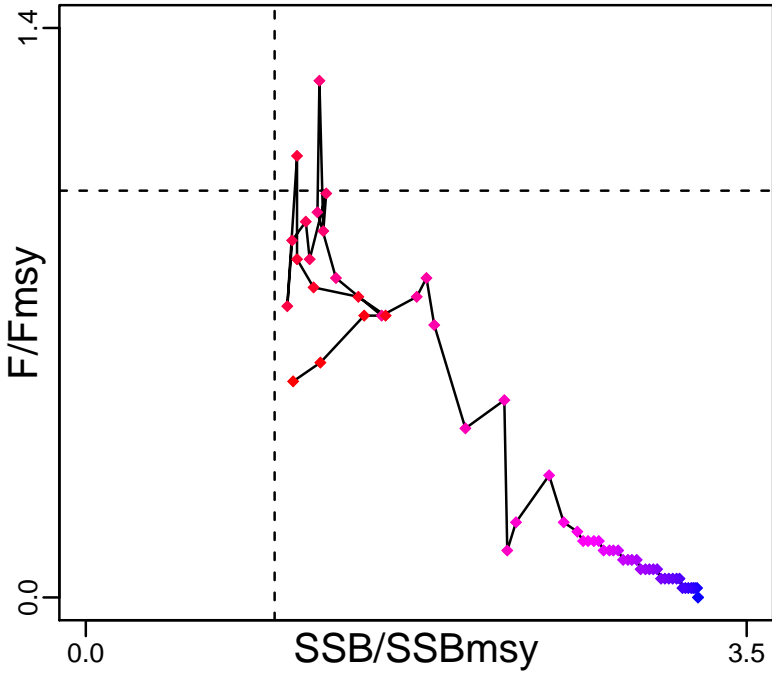
Metadata	
Scientific Name	Seriola dumerili
Current Assess ID	SEFSC-GRAMBERSATLC-1946-2006-JENSEN
Area	Southern Atlantic coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2006

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2006	5491
SSBmsy	SSBmsy-MT	2006	1940
Fmsy	Fmsy-1/yr	2006	0.43
ERmsy	ERmsy-ratio	2006	0.17
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2006	909
M	M-1/yr	2006	0.25
TBlim	TBlim-MT	2006	1455
SSBlim	-	-	-
Flim	Flim-1/yr	2006	0.43
ERlim	-	-	-

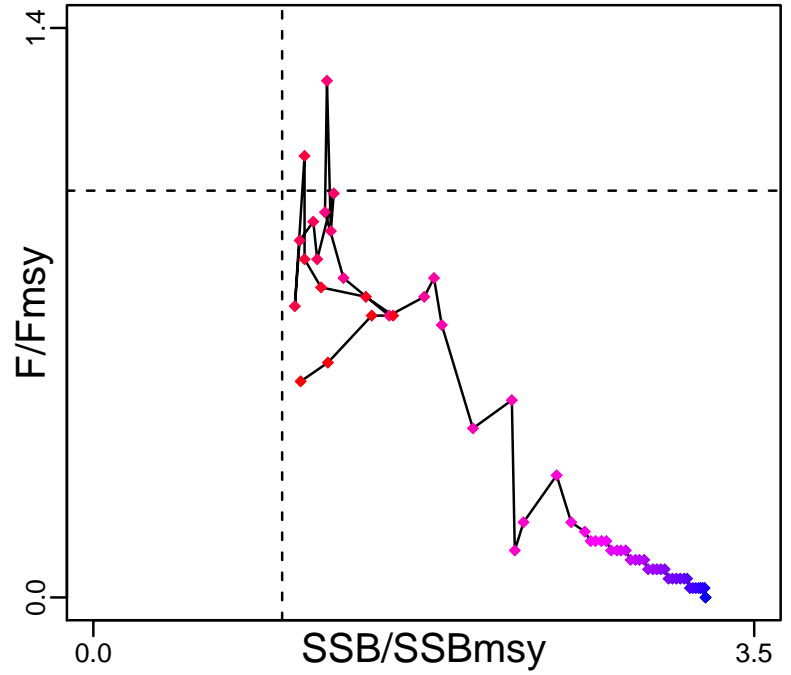
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2006	5620	-	-
SSB	SSB-MT	2006	2130	-	1.3+
TN	-	-	-	-	-
R	R-E00	2006	498,000	-	-
F	F-1/yr	2006	0.23	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-MT	2006	1.02		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2006	1.1		
F/Fmsy	F-1/yr/Fmsy-1/yr	2006	0.53		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Greater amberjack Southern Atlantic coast [GRAMBERSATLC]

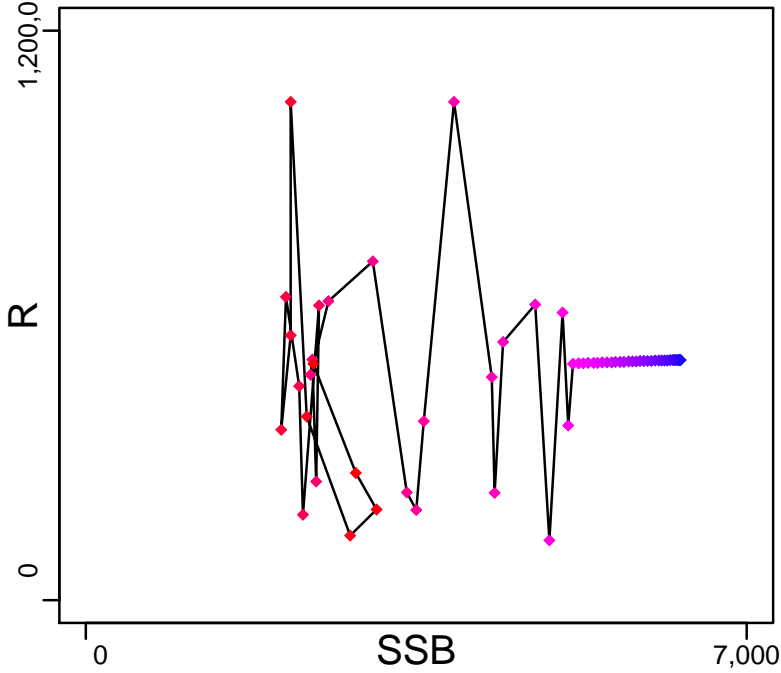
Kobe MSYpref (1946–2006–JENSEN)



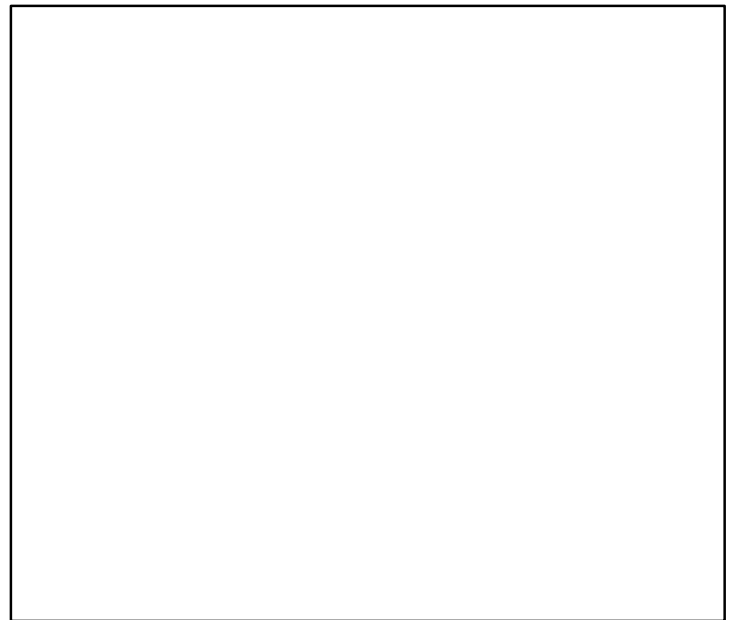
Kobe MGTpref (1946–2006–JENSEN)



Spawner Recruit (1946–2006–JENSEN)



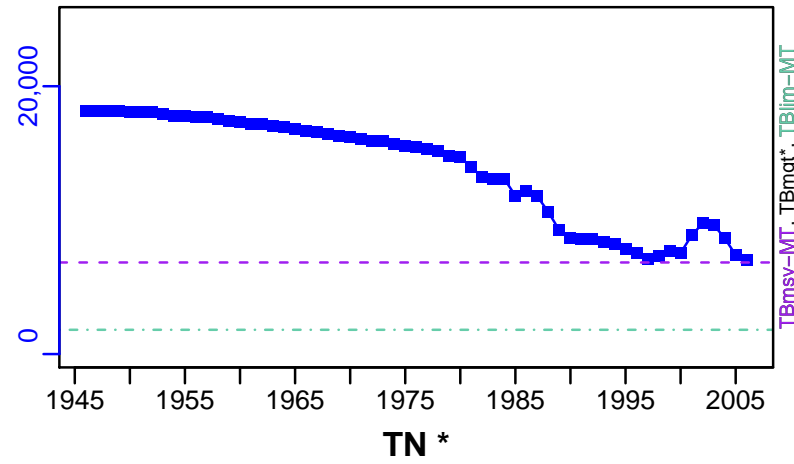
Production*



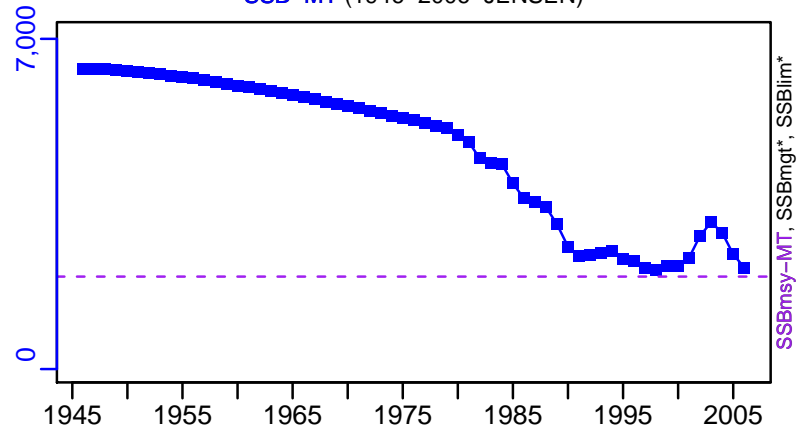
◆ Start Year ◆ End Year * No Data

Greater amberjack Southern Atlantic coast [GRAMBERSATLC]

TB-MT (1946-2006-JENSEN)



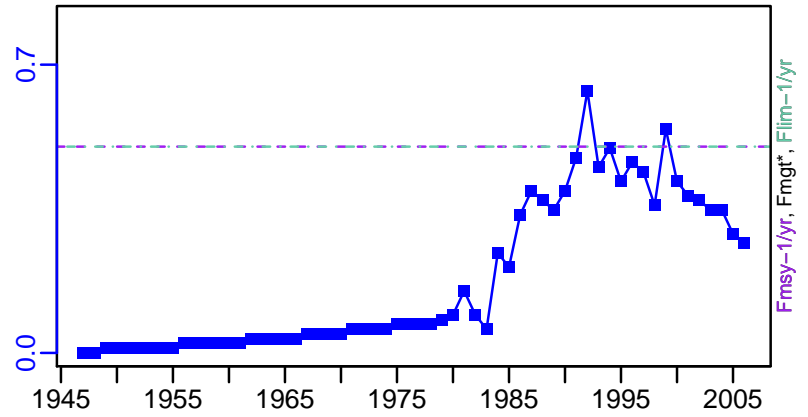
SSB-MT (1946-2006-JENSEN)



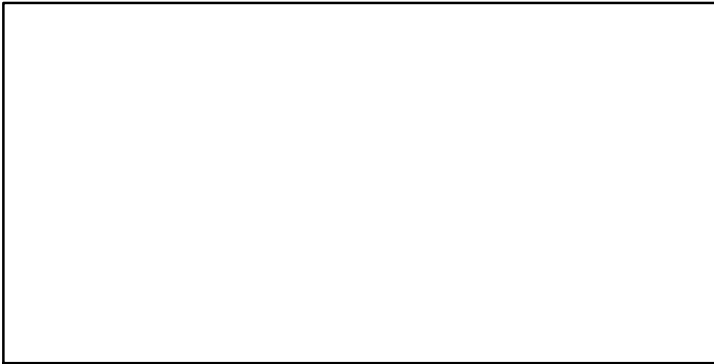
TN *



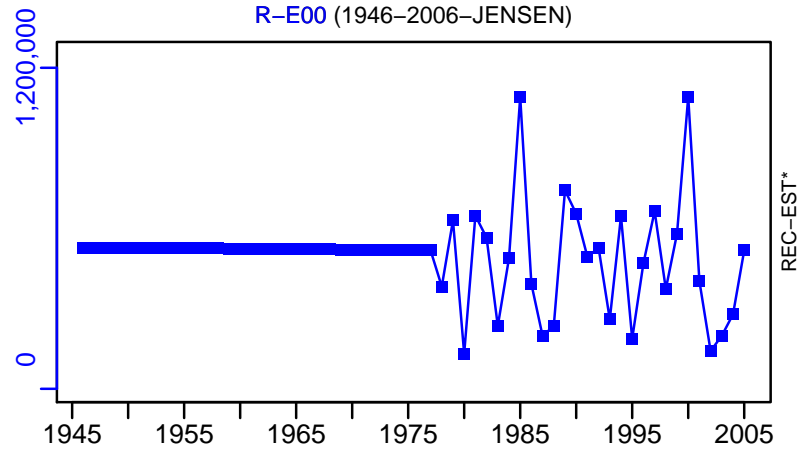
F-1/yr (1946-2006-JENSEN)



ER*



R-E00 (1946-2006-JENSEN)

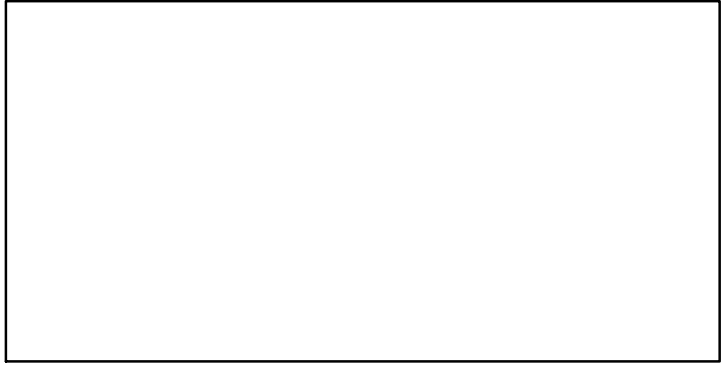


Greater amberjack Southern Atlantic coast [GRAMBERSATLC]

TC*, TL*, RecC*



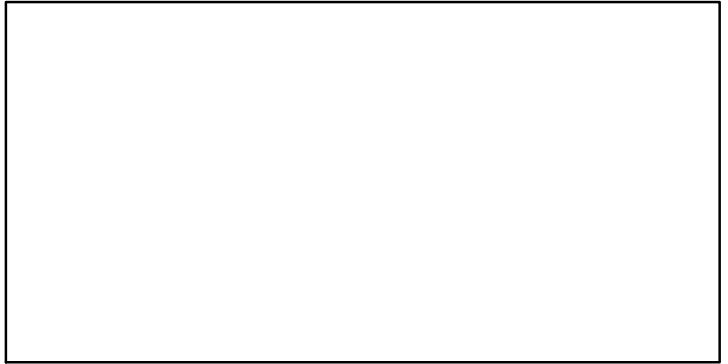
TAC*, Cpair*, Cadv*



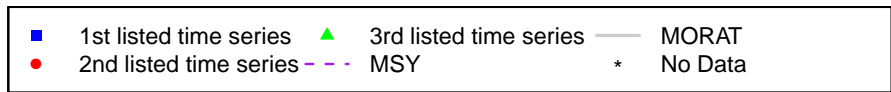
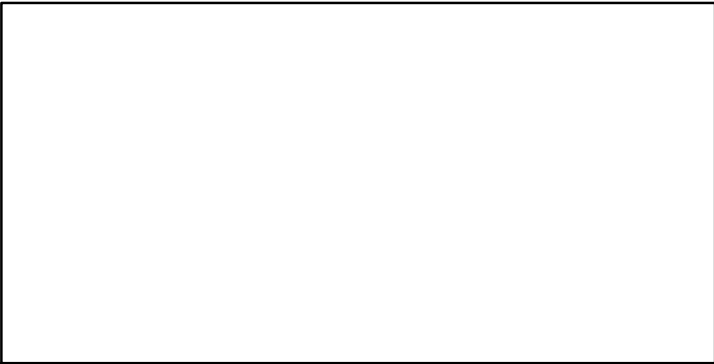
survB*



CPUE*



EFFORT*



Gray triggerfish Gulf of Mexico [GTRIGGM]

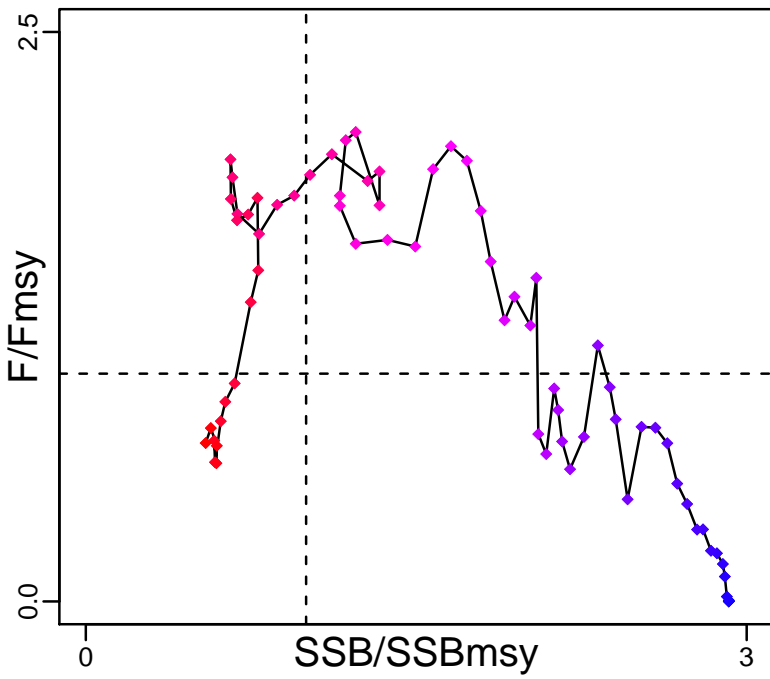
Metadata	
Scientific Name	Balistes capriscus
Current Assess ID	SEFSC-GTRIGGM-1945-2013-SISIMP2016
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2013, 2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-E00eggs	2013	1.11×10^{10}
Fmsy	Fmsy-1/yr	2013	0.15
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.12
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2013	447
M	M-1/yr	2010	0.27
TBlim	-	-	-
SSBlim	SSBlim-E00eggs	2013	7×10^9
Flim	Flim-1/yr	2013	0.38
ERlim	-	-	-

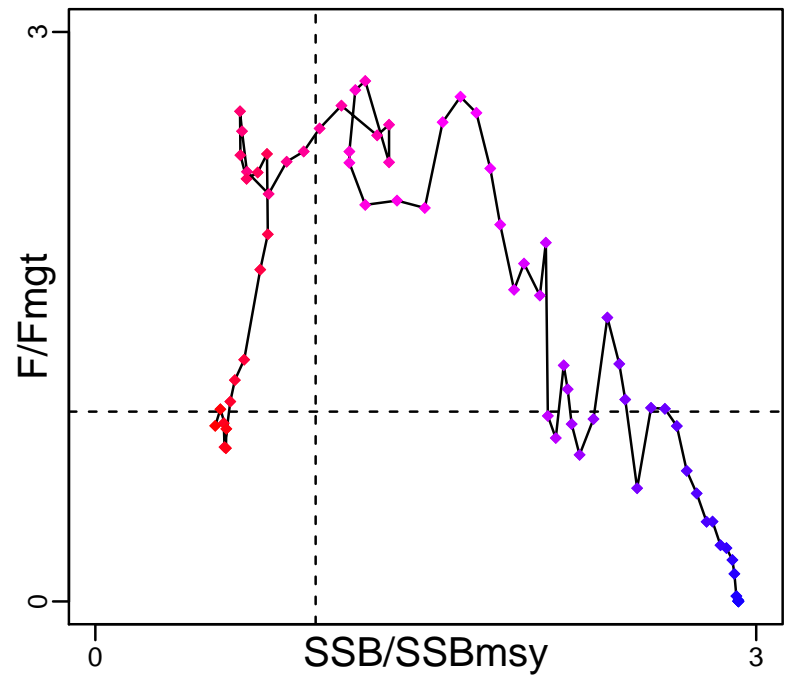
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2013	5780	-	1+
SSB	SSB-E00eggs	2013	6.04×10^9	Females	-
TN	TN-E00	2010	2,050,000	-	-
R	R-E00	2013	6,710,000	-	0
F	F-1/yr	2013	0.11	-	-
ER	ER-calc-ratio	2013	0.13	-	-
TC	TC-MT	2013	757		
TL	TL-E00	2010	103,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2013	0.54		
F/Fmsy	F-1/yr/Fmsy-1/yr	2013	0.7		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	0.93		
ER/ERmgt	-	-	-		

Gray triggerfish Gulf of Mexico [GTRIGGM]

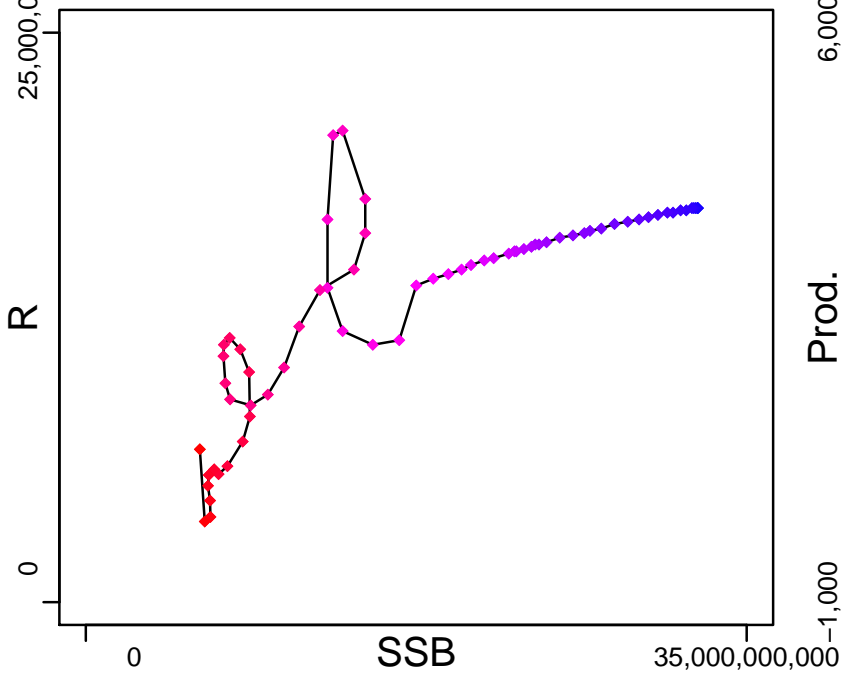
Kobe MSYpref (1945–2013–SISIMP2016)



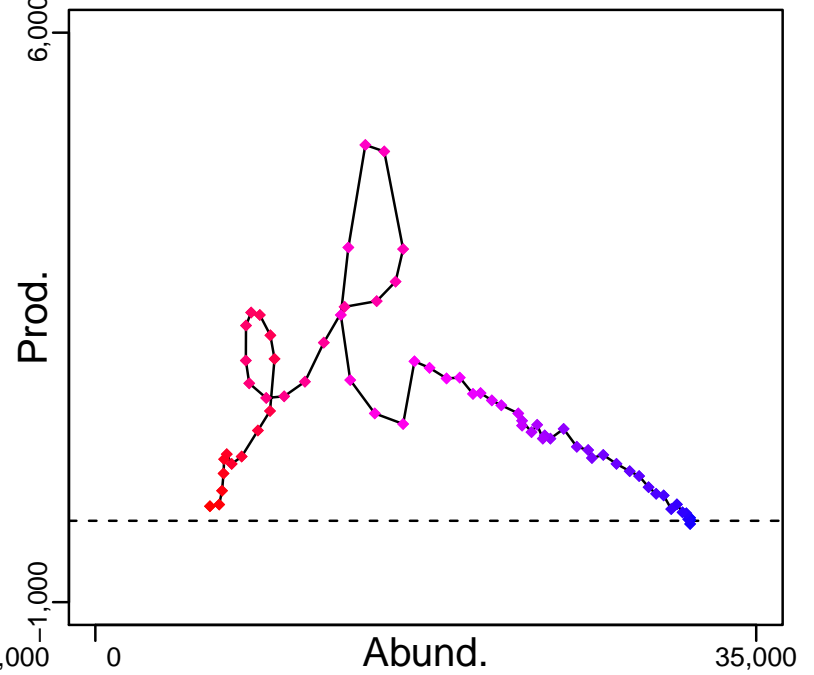
Kobe MGTpref (1945–2013–SISIMP2016)



Spawner Recruit (1945–2013–SISIMP2016)

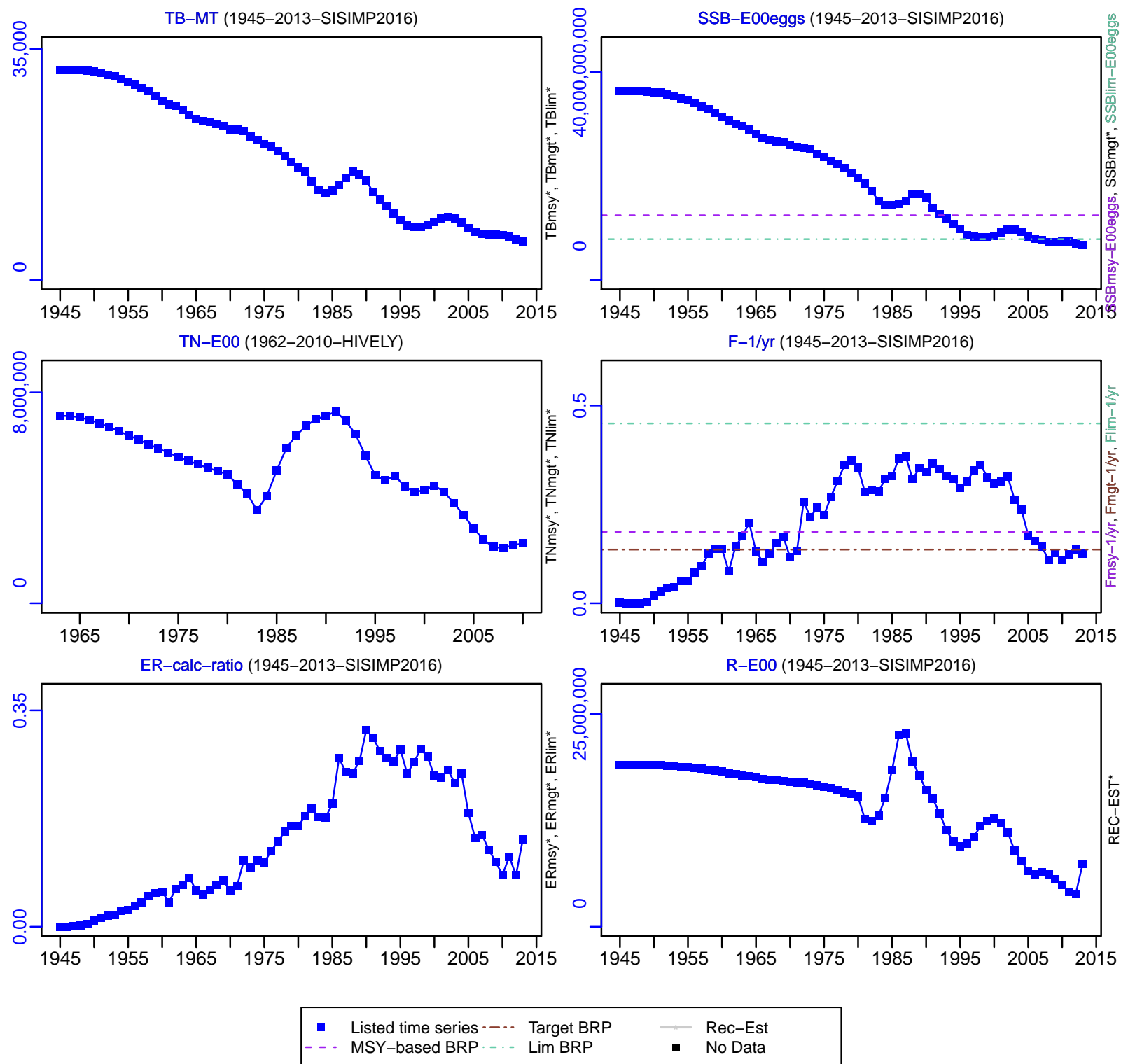


Production (1945–2013–SISIMP2016)



◆ Start Year ◆ End Year * No Data

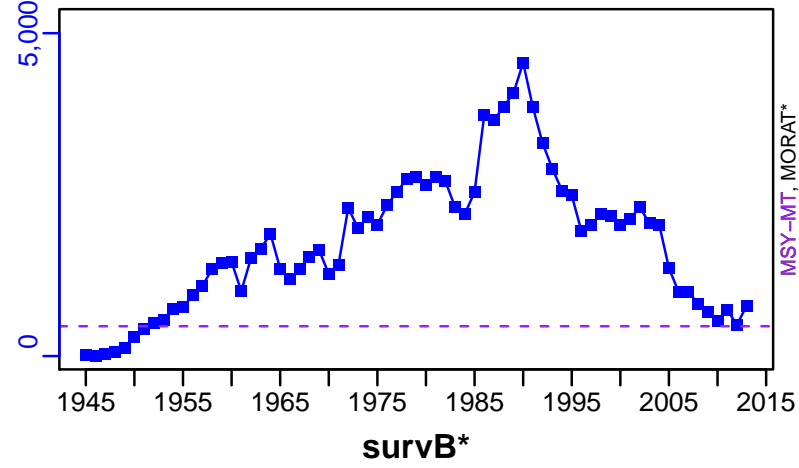
Gray triggerfish Gulf of Mexico [GTRIGGM]



Gray triggerfish Gulf of Mexico [GTRIGGM]

TC-MT, TL*, RecC* (1945-2013-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Hogfish Eastern Gulf of Mexico [HOGFISHEGM]

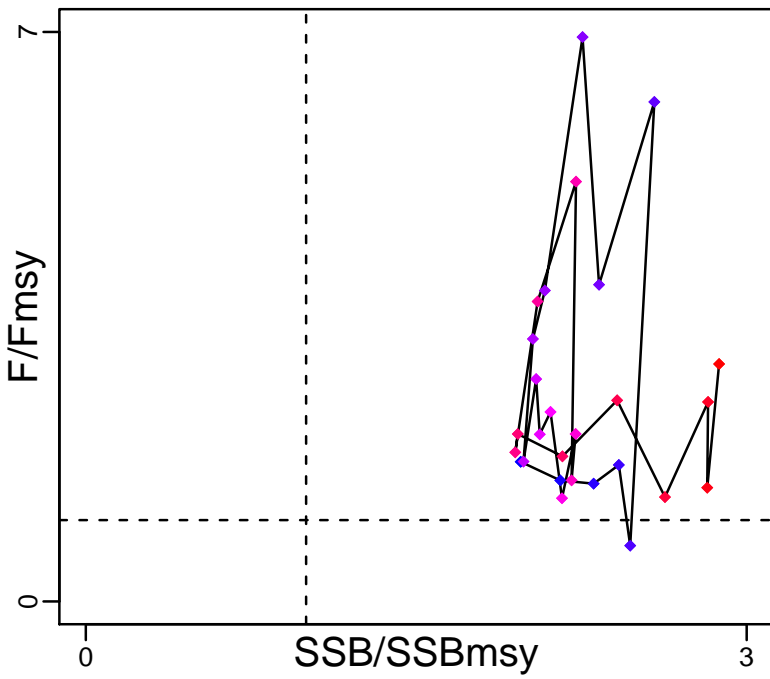
Metadata	
Scientific Name	Lachnolaimus maximus
Current Assess ID	SEFSC-HOGFISHEGM-1986-2012-SISIMP2016
Area	Eastern Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2012	211,486
Fmsy	Fmsy-1/yr	2012	0.1
ERmsy	ERmsy-conv-ratio	2012	0.04
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.08
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2012	34,732
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2012	173,272
Flim	Flim-1/yr	2012	0.1
ERlim	-	-	-

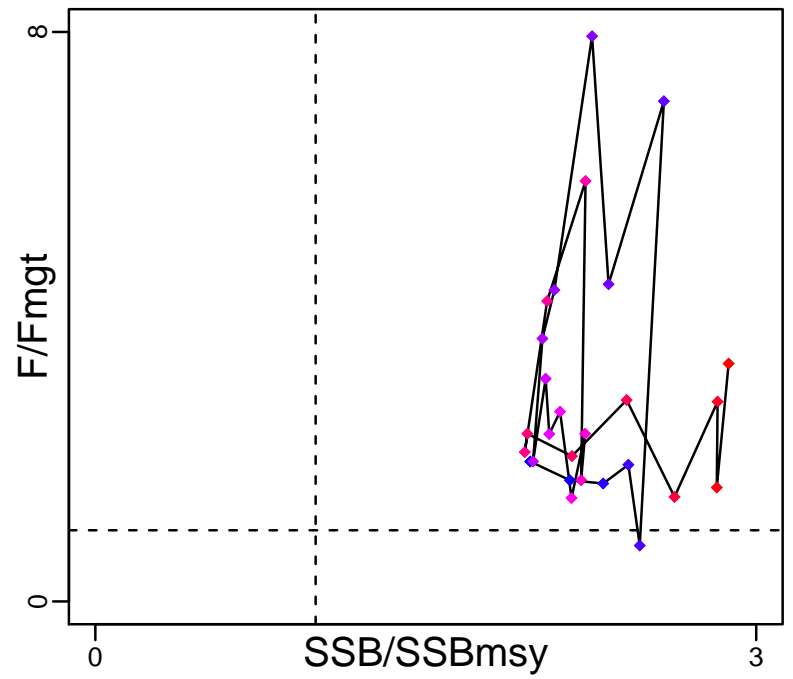
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2012	635,000	-	1+
SSB	SSB-MT	2012	608,000	Females	0.9+
TN	-	-	-	-	-
R	R-E00	2012	1,100,000	-	0
F	F-1/yr	2012	0.28	-	-
ER	ER-calc-ratio	2012	0.07	-	-
TC	TC-MT	2012	41,800		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2012	2.87		
F/Fmsy	F-1/yr/Fmsy-1/yr	2012	2.92		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2012	1.75		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	3.34		
ER/ERmgt	-	-	-		

Hogfish Eastern Gulf of Mexico [HOGFISHEGM]

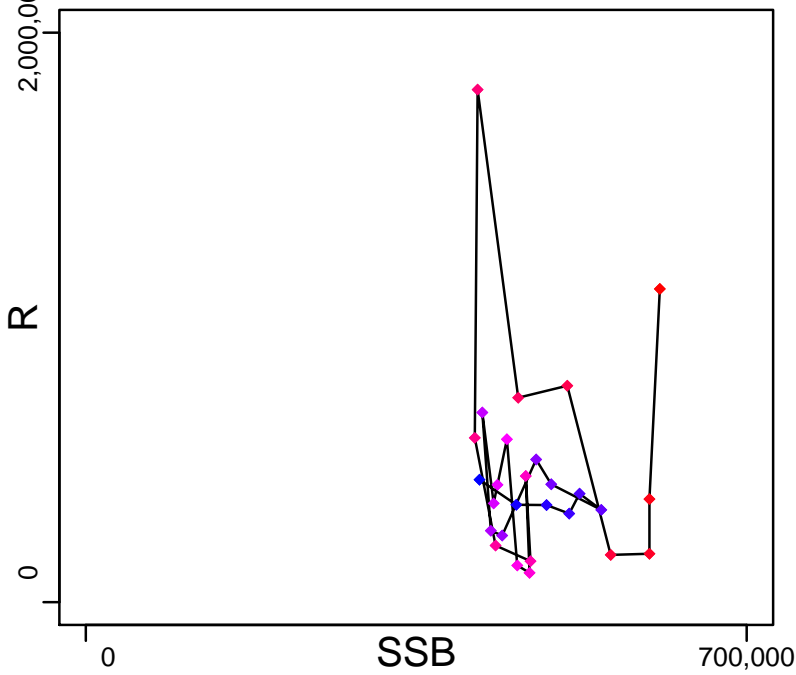
Kobe MSYpref (1986–2012–SISIMP2016)



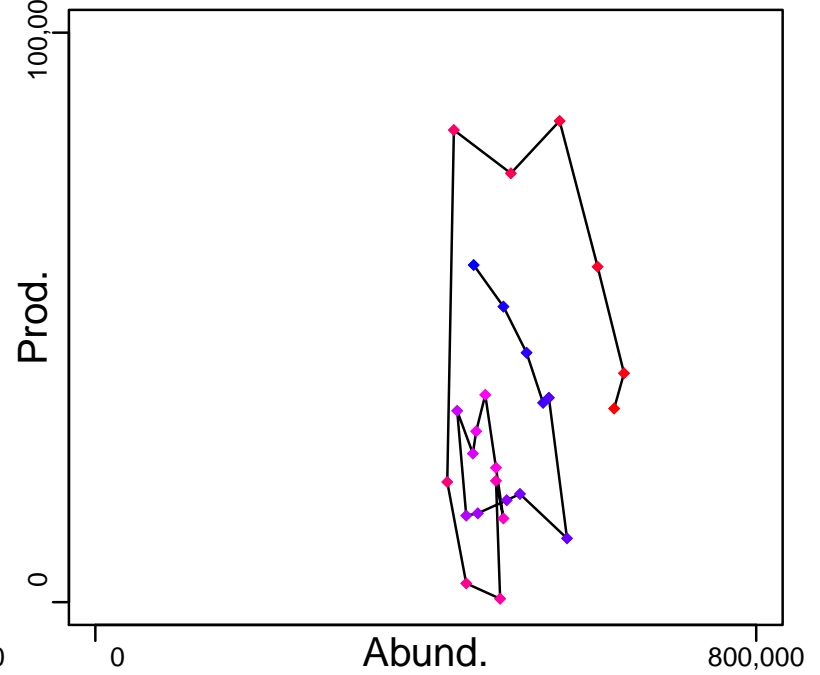
Kobe MGTpref (1986–2012–SISIMP2016)



Spawner Recruit (1986–2012–SISIMP2016)



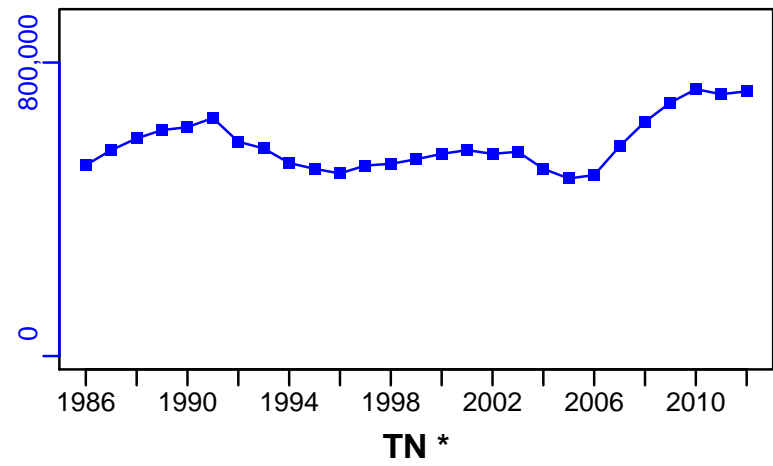
Production (1986–2012–SISIMP2016)



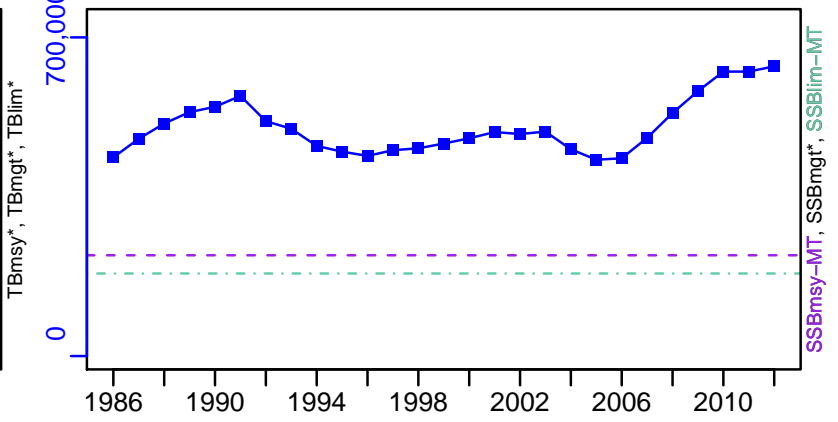
◆ Start Year ◆ End Year * No Data

Hogfish Eastern Gulf of Mexico [HOGFISHEGM]

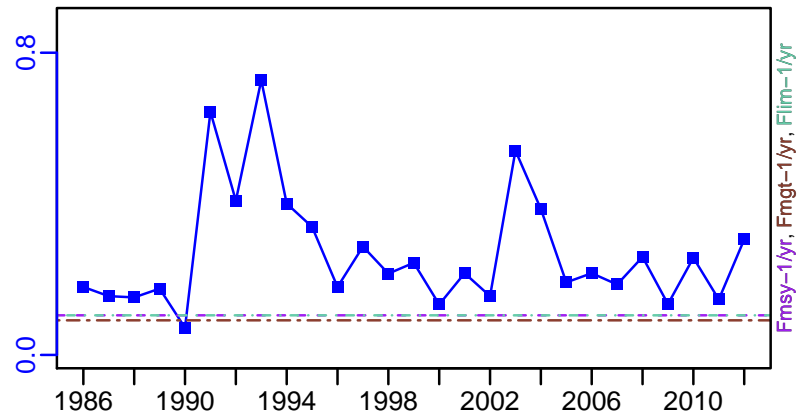
TB-MT (1986–2012–SISIMP2016)



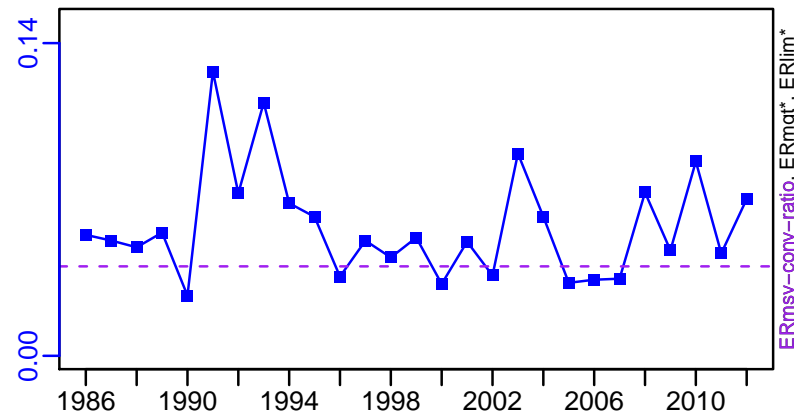
SSB-MT (1986–2012–SISIMP2016)



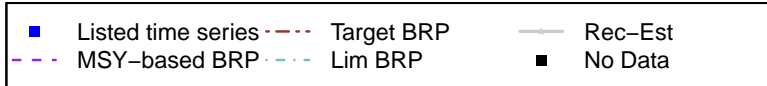
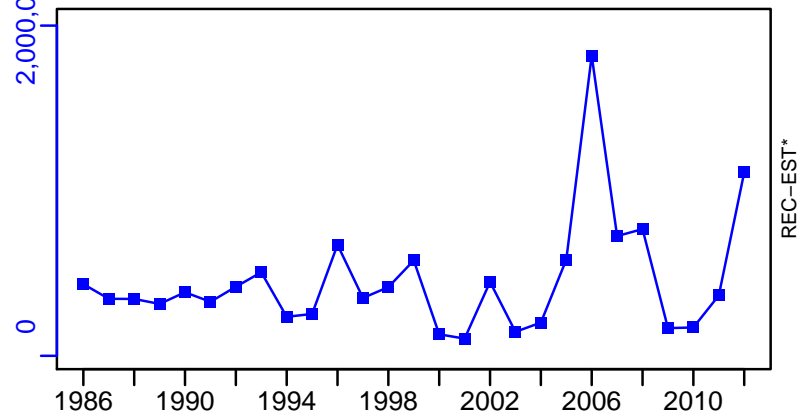
F-1/yr (1986–2012–SISIMP2016)



ER-calc-ratio (1986–2012–SISIMP2016)

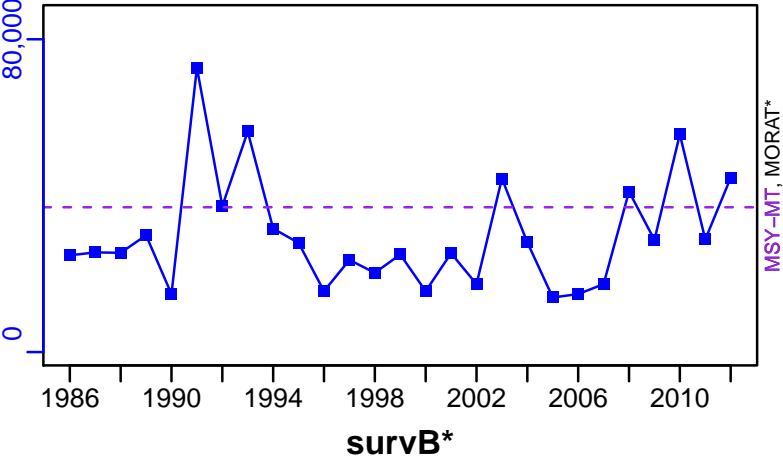


R-E00 (1986–2012–SISIMP2016)



Hogfish Eastern Gulf of Mexico [HOGFISHEGM]

TC-MT, TL*, RecC* (1986-2012-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Hogfish Southeast Florida [HOGFISHSEFL]

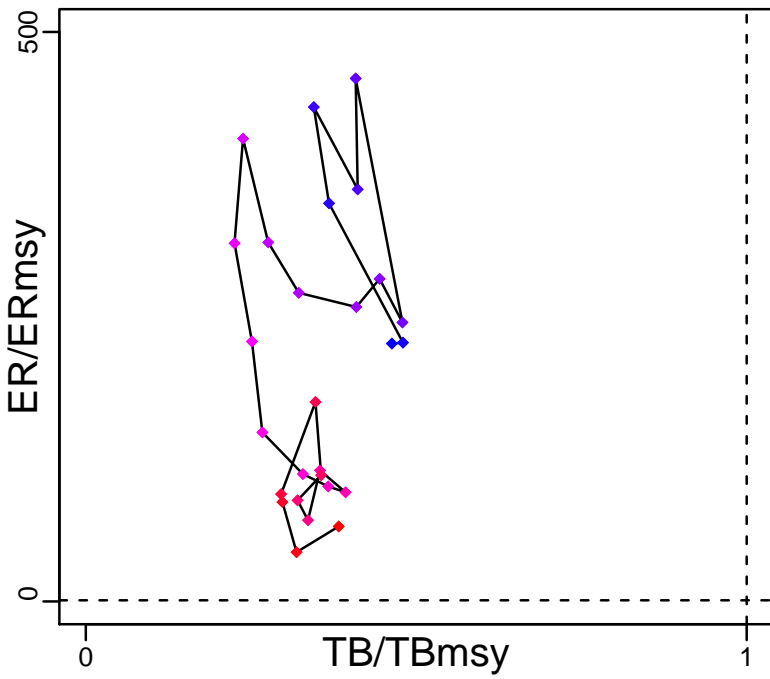
Metadata	
Scientific Name	Lachnolaimus maximus
Current Assess ID	SEFSC-HOGFISHSEFL-1985-2011-SISIMP2016
Area	Southeast Florida
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2011	473,296
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2011	0.14
ERmsy	ERmsy-calc-ratio	2011	0
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.09
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2011	71
M	-	-	-
TBlim	TBlim-MT	2011	388,729
SSBlim	-	-	-
Flim	Flim-1/yr	2011	0.14
ERlim	-	-	-

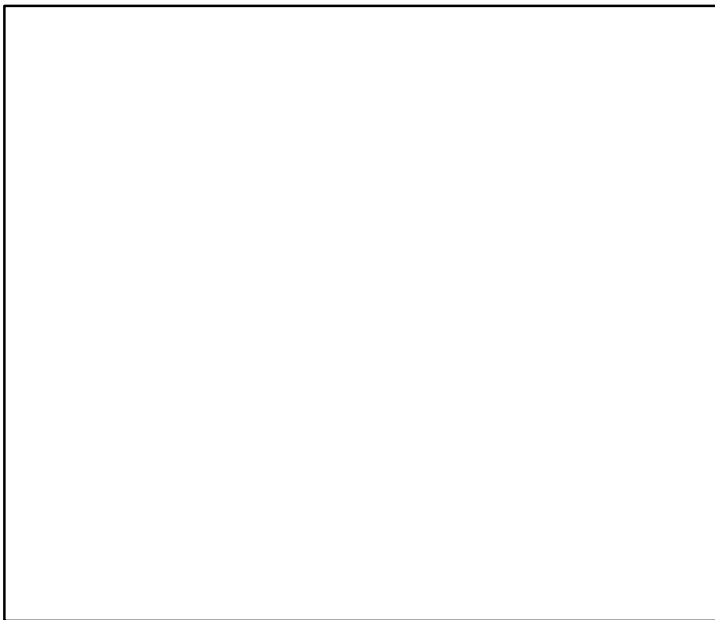
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	181,000	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-MT	2011	209	-	1
F	F-1/yr	2011	0.38	-	-
ER	ER-calc-ratio	2011	0.01	-	-
TC	TC-MT	2011	1790		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-MT	2011	0.38		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2011	2.75		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2011	65.84		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	4.21		
ER/ERmgt	-	-	-		

Hogfish Southeast Florida [HOGFISHSEFL]

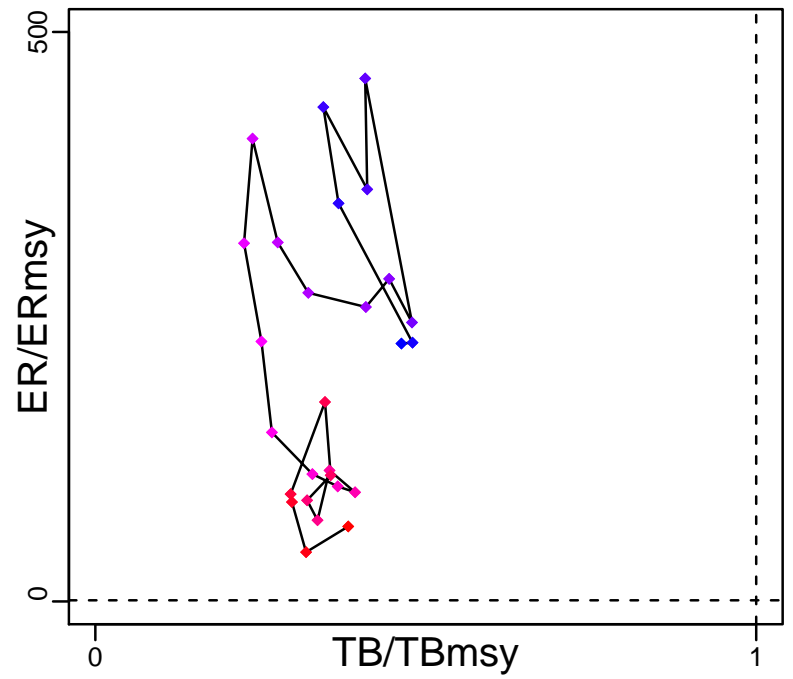
Kobe MSY_{pref} (1985–2011–SISIMP2016)



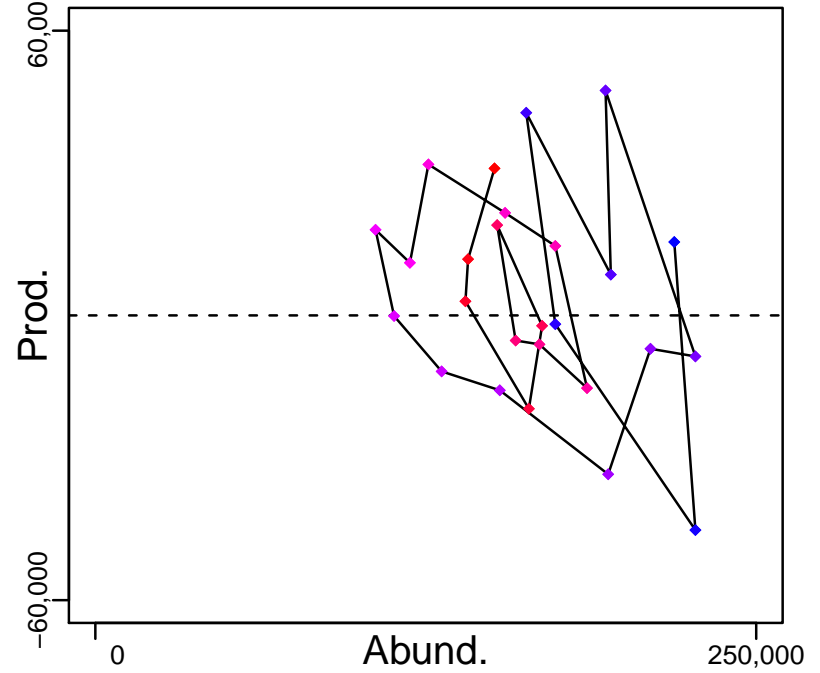
Spawner Recruit*



Kobe MGT_{pref} (1985–2011–SISIMP2016)



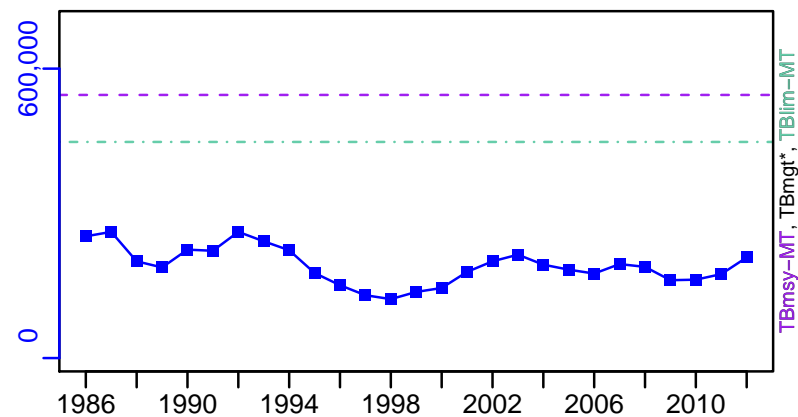
Production (1985–2011–SISIMP2016)



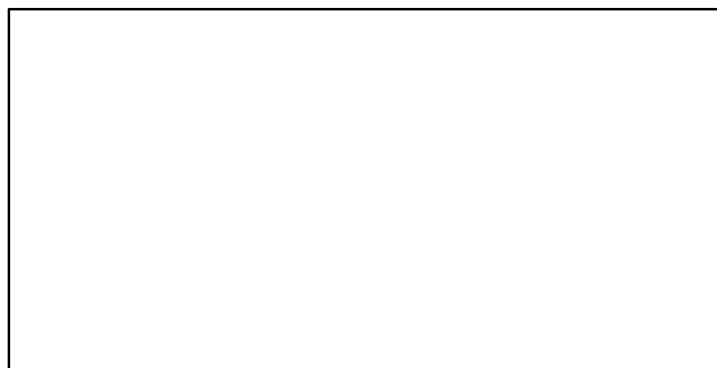
◆ Start Year ◆ End Year * No Data

Hogfish Southeast Florida [HOGFISHSEFL]

TB-MT (1985–2011–SISIMP2016)



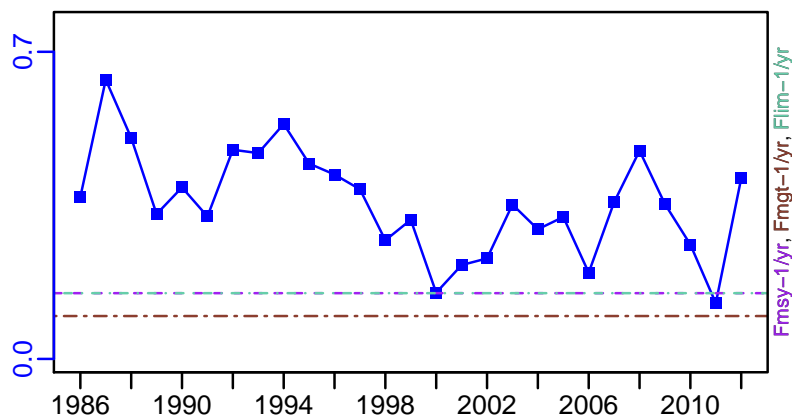
SSB*



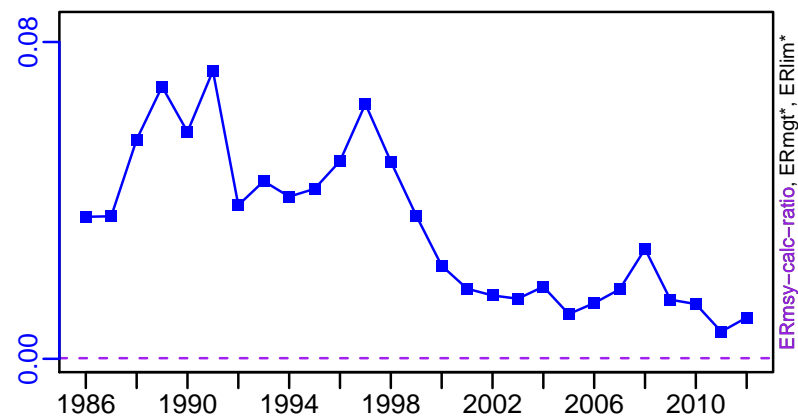
TN *



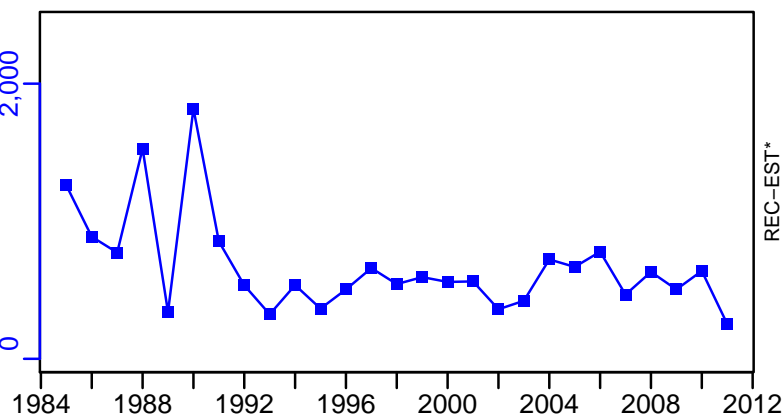
F-1/yr (1985–2011–SISIMP2016)



ER-calc-ratio (1985–2011–SISIMP2016)



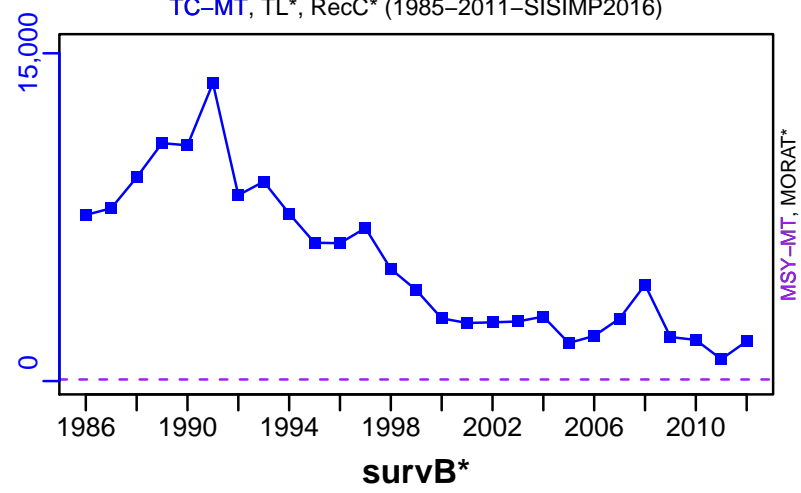
R-MT (1985–2011–SISIMP2016)



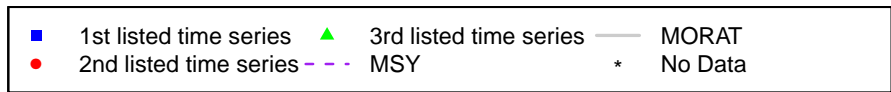
Hogfish Southeast Florida [HOGFISHSEFL]

TC-MT, TL*, RecC* (1985-2011-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



King mackerel Gulf of Mexico [KMACKGM]

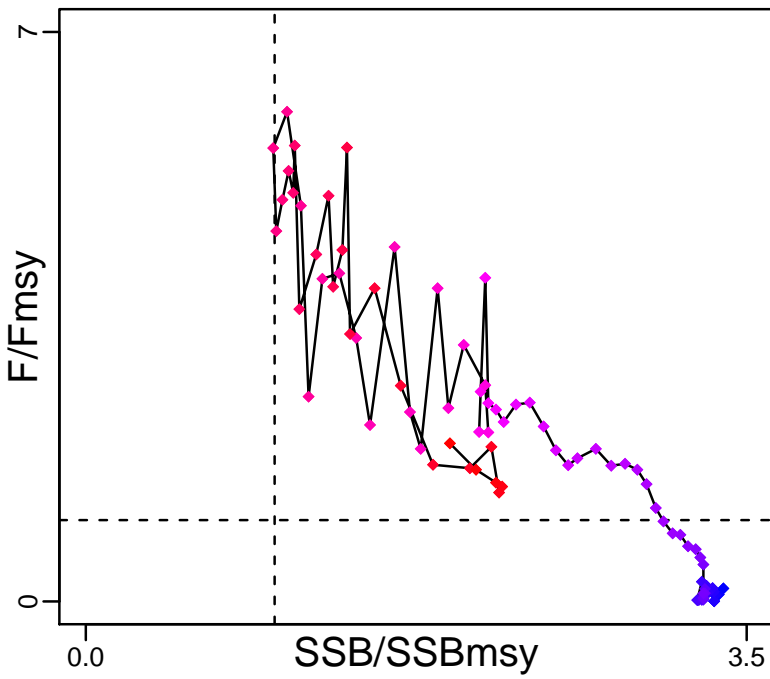
Metadata	
Scientific Name	Scomberomorus cavalla
Current Assess ID	SEFSC-KMACKGM-1929-2012-HIVELY
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-pr-E00eggs	2012	1,229,070,000
Fmsy	Fmsy-pr-1/yr	2012	0.16
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-E00eggs	2012	1,229,070,000
Fmgt	Fmgt-1/yr	2012	0.12
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2012	0.16
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

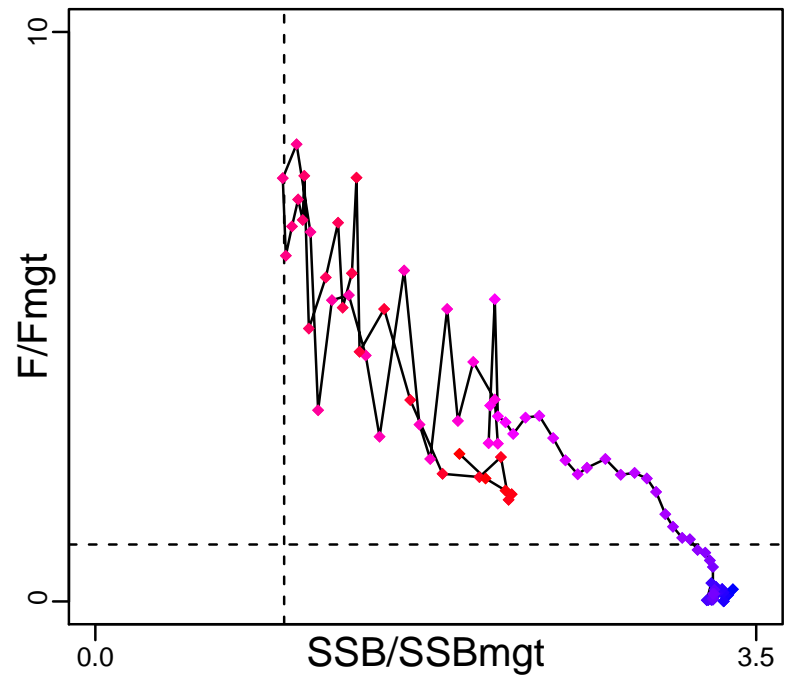
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-E00eggs	2012	2.37×10^9	-	-
TN	-	-	-	-	-
R	R-E00	2012	3,940,000	-	0
F	F-1/yr	2012	0.32	-	-
ER	-	-	-	-	-
TC	-	-	-	-	-
TL	TL-MT	2012	863	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	SSB-E00eggs/SSBmsy-pr-E00eggs	2012	1.93	-	-
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2012	1.94	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	SSB-E00eggs/SSBmgt-E00eggs	2012	1.93	-	-
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	2.59	-	-
ER/ERmgt	-	-	-	-	-

King mackerel Gulf of Mexico [KMACKGM]

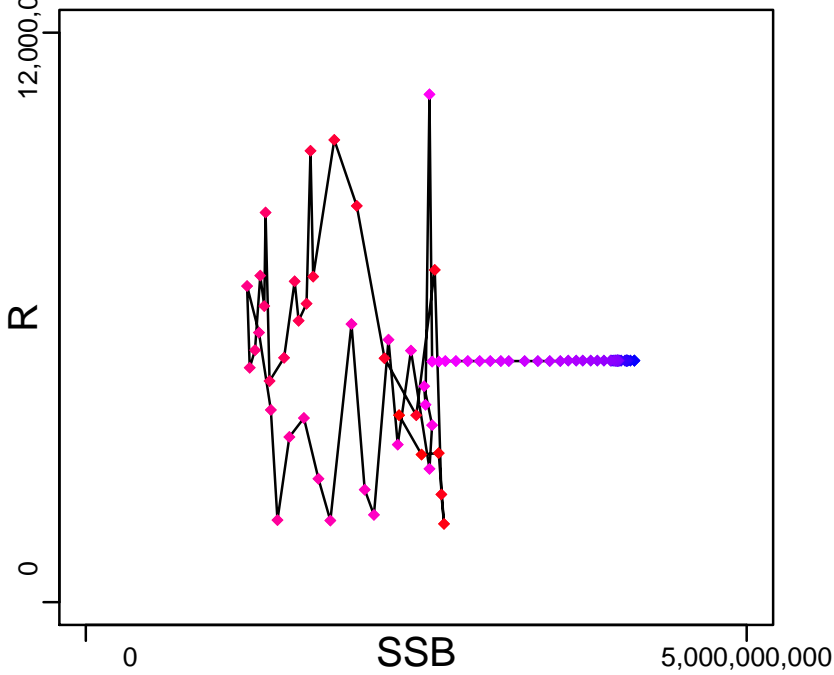
Kobe MSYpref (1929–2012–HIVELY)



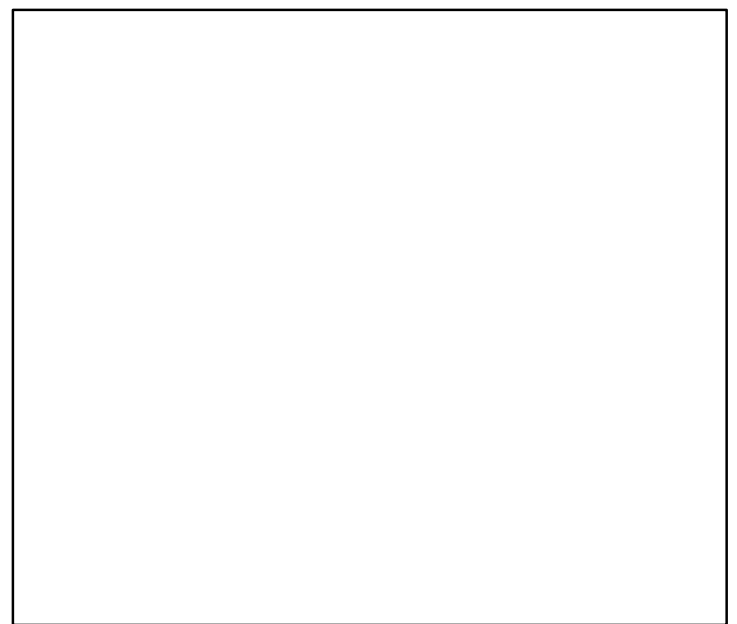
Kobe MGTpref (1929–2012–HIVELY)



Spawner Recruit (1929–2012–HIVELY)



Production*



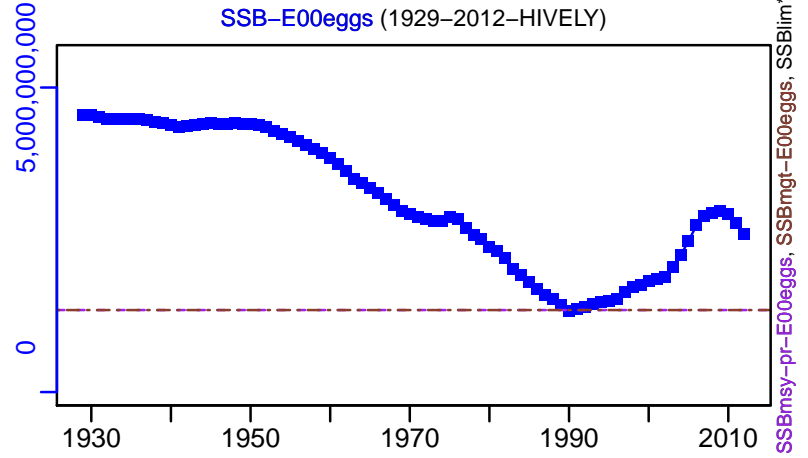
◆ Start Year ◆ End Year * No Data

King mackerel Gulf of Mexico [KMACKGM]

TB*



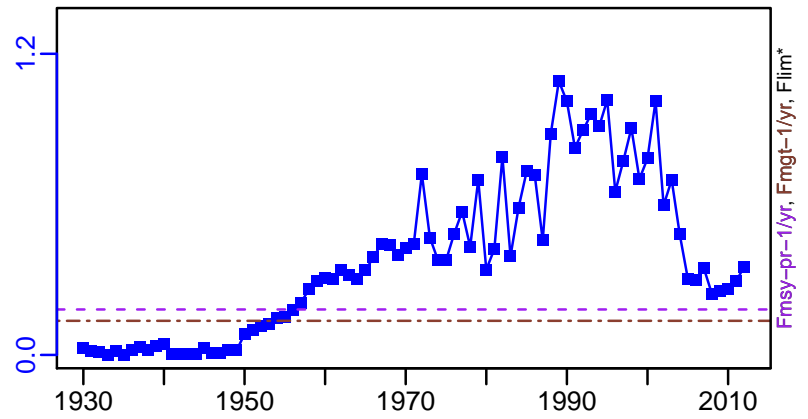
SSB-E00eggs (1929-2012-HIVELY)



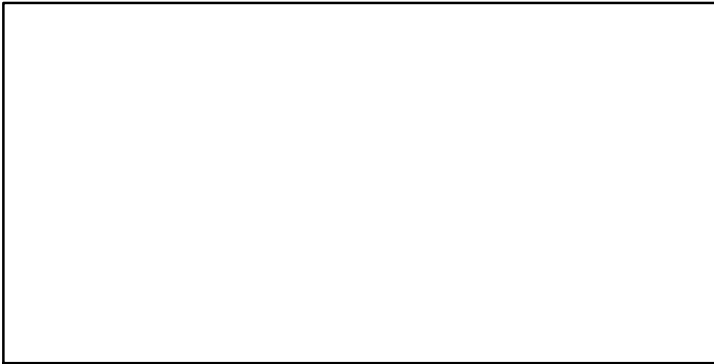
TN *



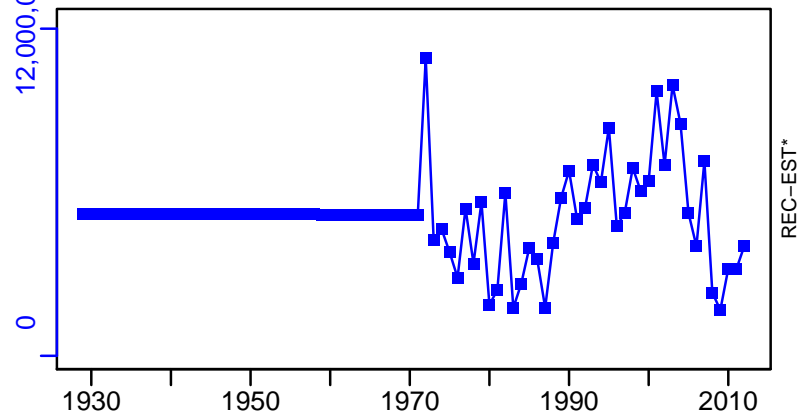
F-1/yr (1929-2012-HIVELY)



ER*



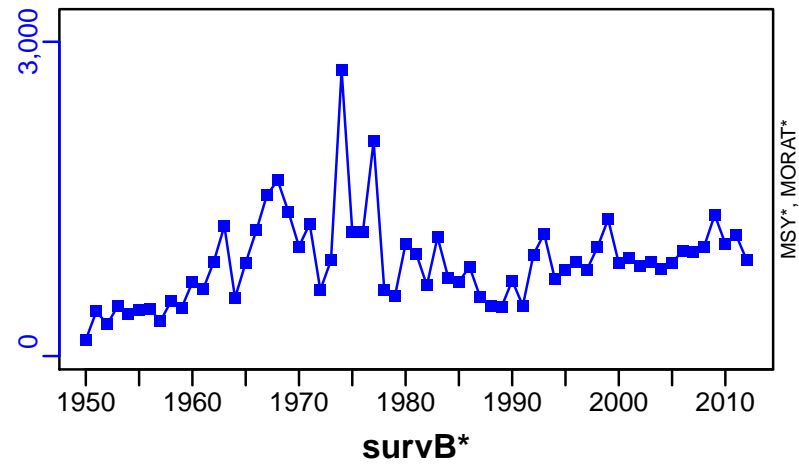
R-E00 (1929-2012-HIVELY)



King mackerel Gulf of Mexico [KMACKGM]

TL-MT, TC*, RecC* (1929-2012-HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*



King mackerel Southern Atlantic Coast [KMACKSATLC]

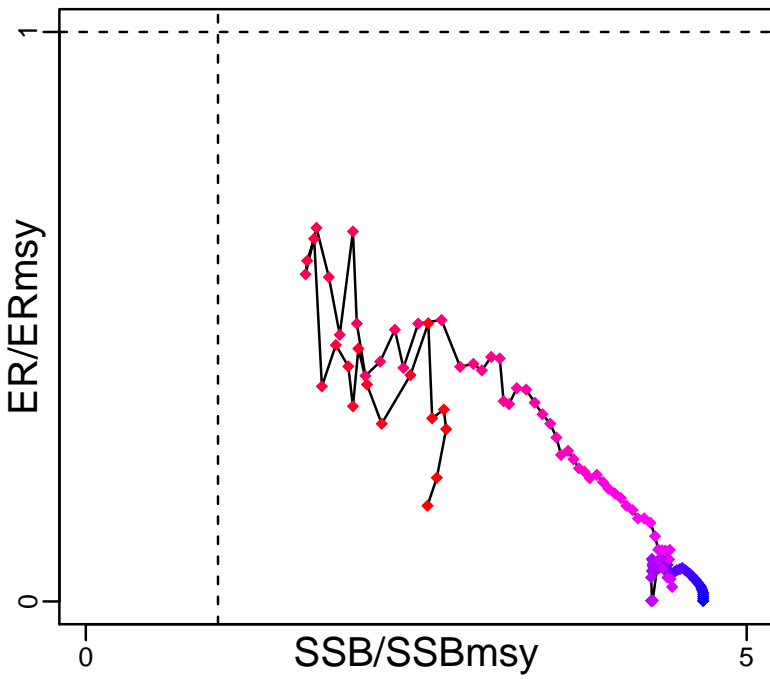
Metadata	
Scientific Name	Scomberomorus cavalla
Current Assess ID	SEFSC-KMACKSATLC-1901-2012-HIVELY
Area	Southern Atlantic coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-pr-E00eggs	2012	1.702×10^9
Fmsy	-	-	-
ERmsy	ERmsy-pr-ratio	2012	0.16
TBmgt	-	-	-
SSBmgt	SSBmgt-E00eggs	2012	1.702×10^9
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2012	0.12
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

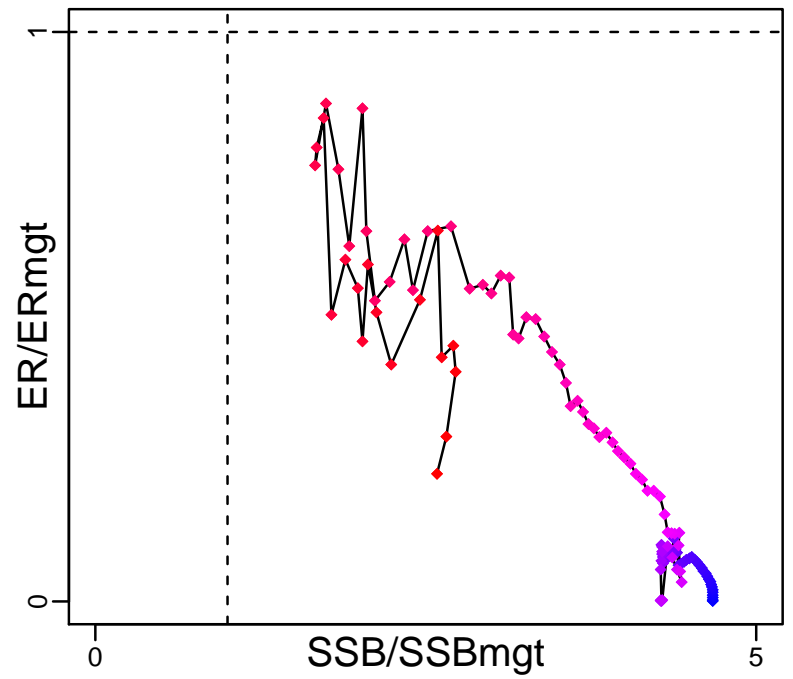
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-E00eggs	2012	4.4×10^9	-	-
TN	-	-	-	-	-
R	R-E00	2012	2,510,000	-	0
F	-	-	-	-	-
ER	ER-ratio	2012	0.03	-	-
TC	-	-	-		
TL	TL-MT	2012	1110		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-pr-E00eggs	2012	2.59		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-pr-ratio	2012	0.17		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-E00eggs/SSBmgt-E00eggs	2012	2.59		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

King mackerel Southern Atlantic Coast [KMACKSATLC]

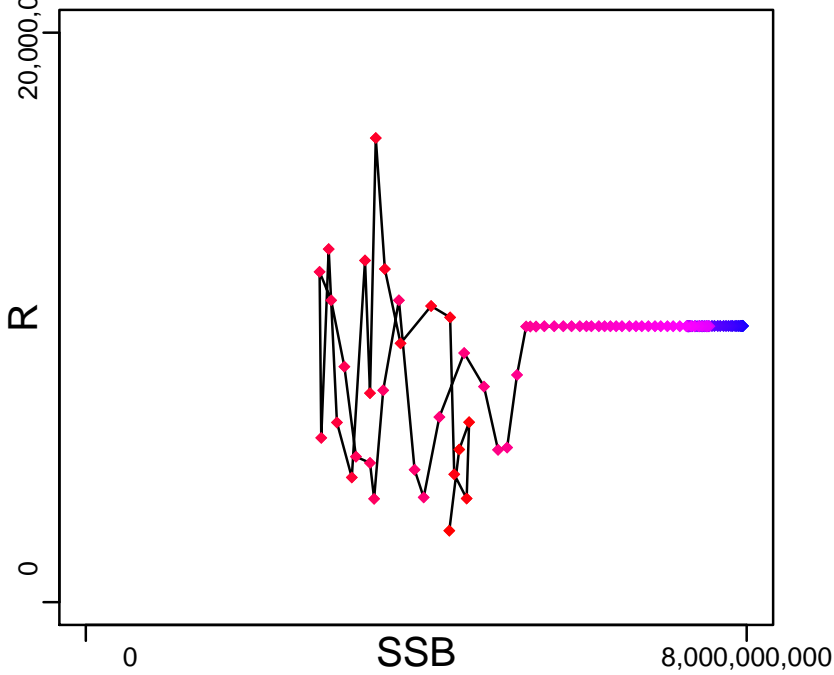
Kobe MSYpref (1901–2012–HIVELY)



Kobe MGTpref (1901–2012–HIVELY)



Spawner Recruit (1901–2012–HIVELY)



Production*



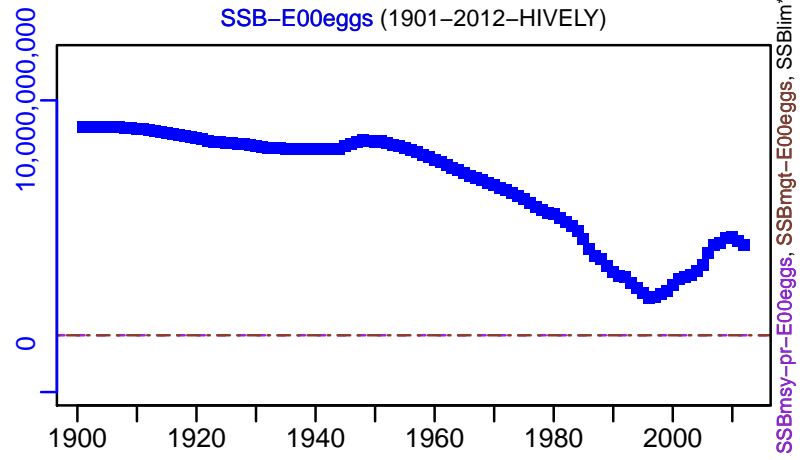
◆ Start Year ◆ End Year * No Data

King mackerel Southern Atlantic Coast [KMACKSATLC]

TB*



SSB-E00eggs (1901-2012-HIVELY)



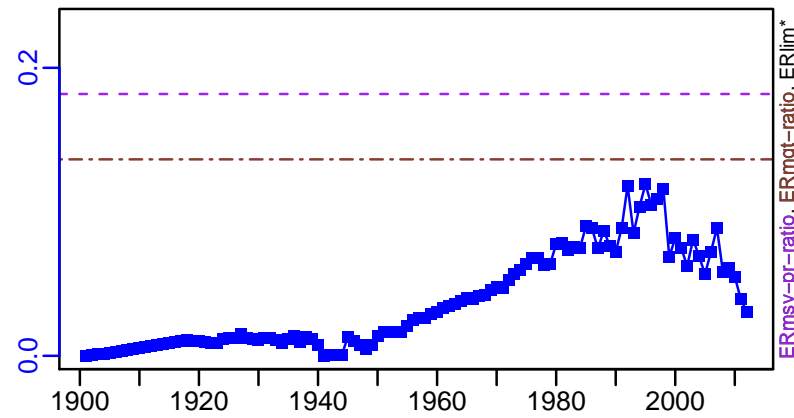
TN *



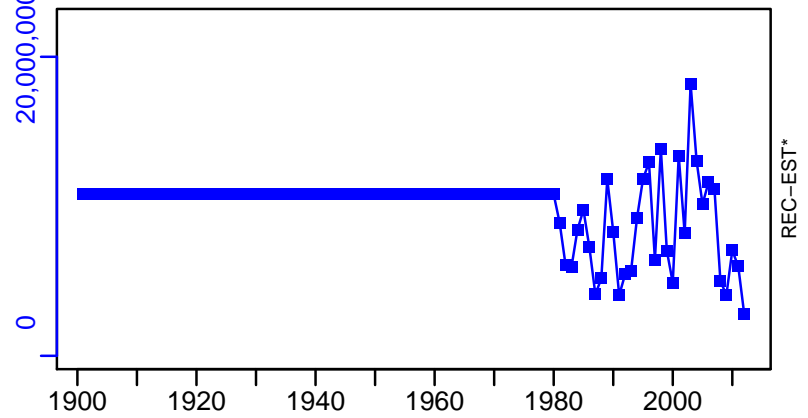
F*



ER-ratio (1901-2012-HIVELY)



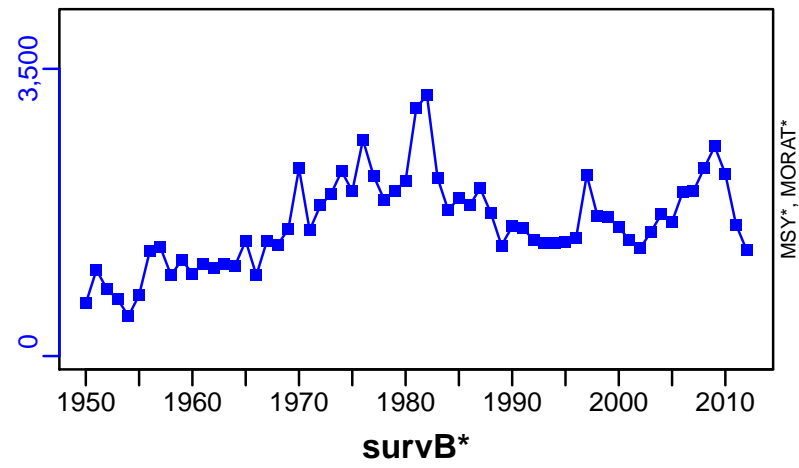
R-E00 (1901-2012-HIVELY)



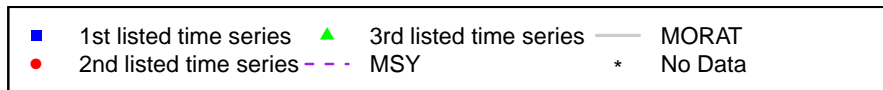
King mackerel Southern Atlantic Coast [KMACKSATLC]

TL-MT, TC*, RecC* (1901-2012-HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*

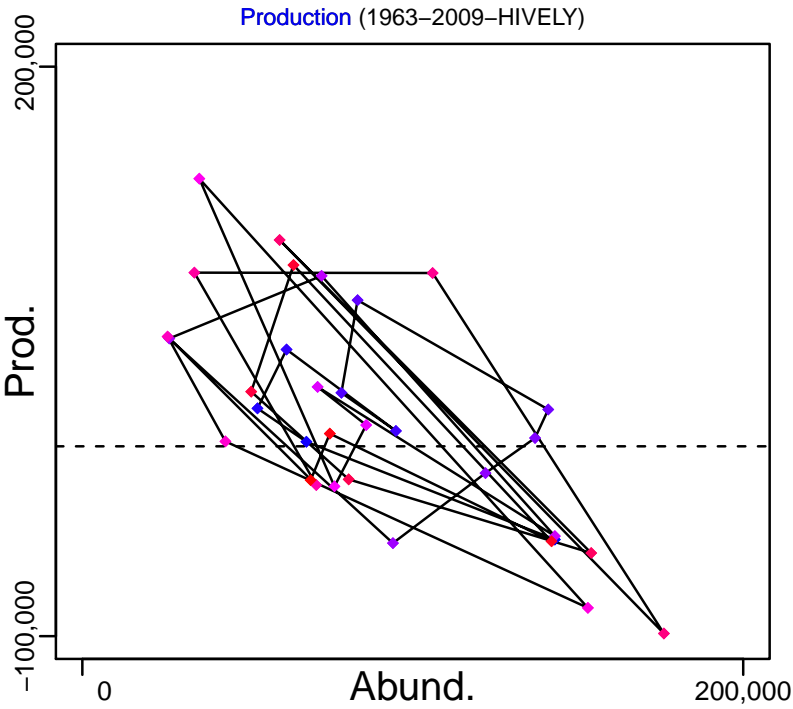


Longfin inshore squid Atlantic Coast [LISQUIDATLC]

Metadata	
Scientific Name	Loligo pealeii
Current Assess ID	SEFSC-LISQUIDATLC-1963-2009-HIVELY
Area	Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2009	42,405
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2009	39,800	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2009	0.24	-	-
ER	ER-calc-ratio	2009	0.24	-	-
TC	TC-MT	2009	9560		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-MT	2009	0.94		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

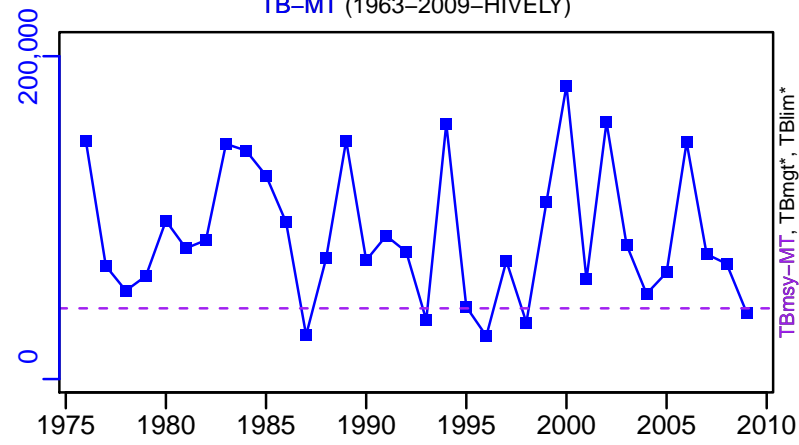


◆ Start Year ◆ End Year * No Data

Longfin inshore squid Atlantic Coast [LISQUIDATLC]

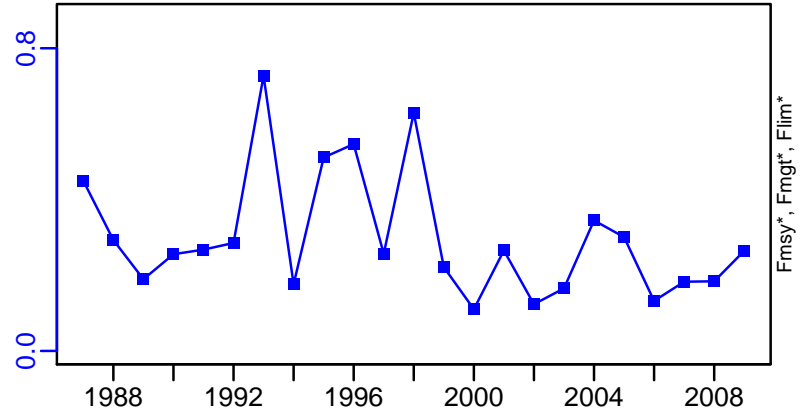
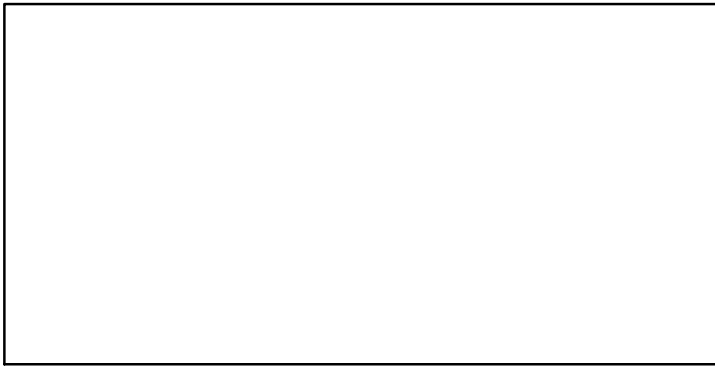
TB-MT (1963–2009–HIVELY)

SSB*



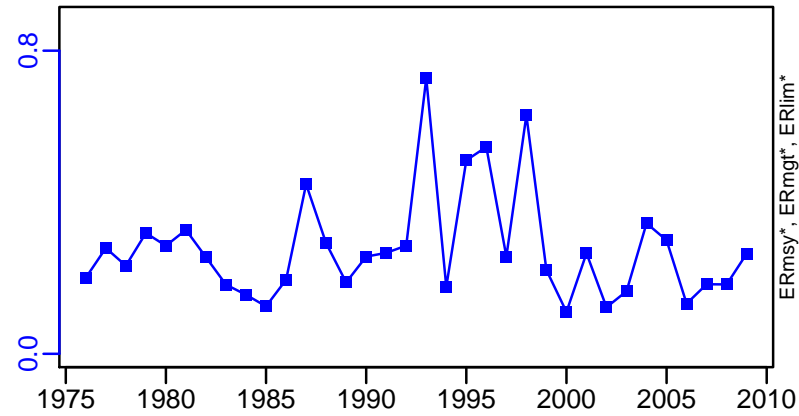
TN *

F-1/yr (1963–2009–HIVELY)



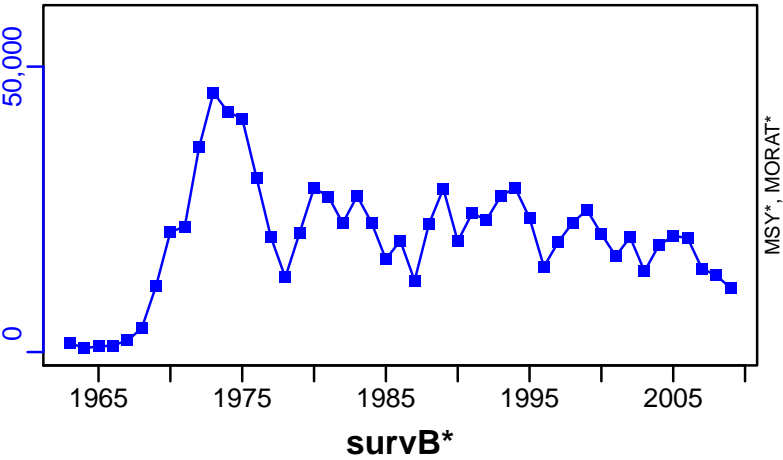
ER-calc-ratio (1963–2009–HIVELY)

Recruits*



Longfin inshore squid Atlantic Coast [LISQUIDATLC]

TC-MT, TL*, RecC* (1963-2009-HIVELY)



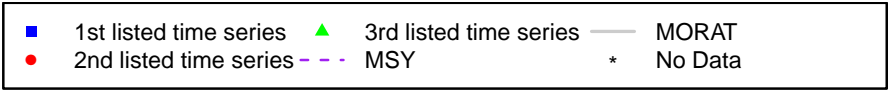
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Gulf menhaden Gulf of Mexico [MENATGM]

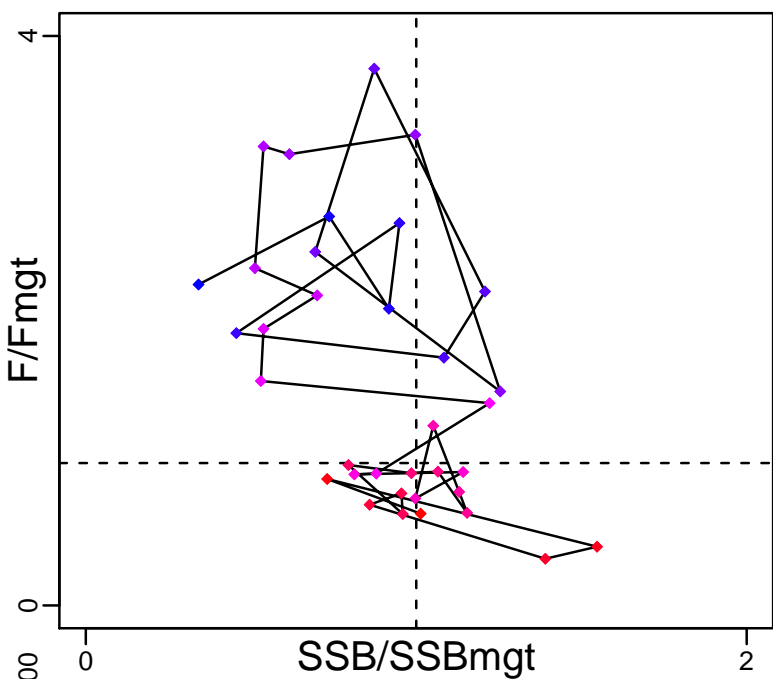
Metadata	
Scientific Name	Brevoortia patronus
Current Assess ID	SEFSC-MENATGM-1948-2011-HIVELY
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-E00eggs	2011	4.98×10^{13}
Fmgt	Fmgt-1/yr	2011	3.66
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	1.22
TBlim	-	-	-
SSBlim	SSBlim-E00eggs	2011	2.26×10^{13}
Flim	Flim-1/yr	2011	4.88
ERlim	-	-	-

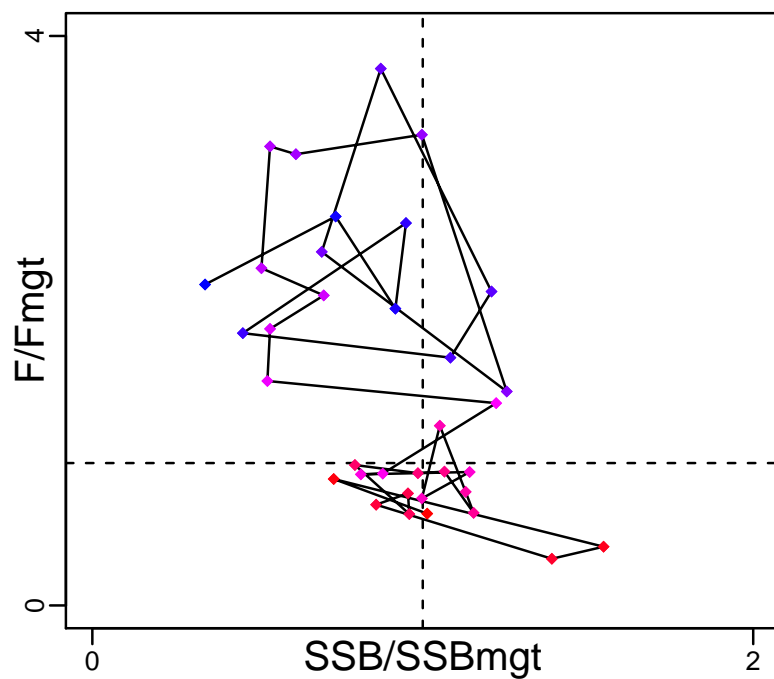
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	3,400,000	Both	1+
SSB	SSB-E00eggs	2011	5.05×10^{13}	-	-
TN	-	-	-	-	-
R	R-E00	2011	1.08×10^{11}	-	0
F	F-1/yr	2011	2.36	-	-
ER	ER-calc-ratio	2011	0.18	-	-
TC	-	-	-		
TL	TL-MT	2011	614,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-E00eggs/SSBmgt-E00eggs	2011	1.01		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	0.64		
ER/ERmgt	-	-	-		

Gulf menhaden Gulf of Mexico [MENATGM]

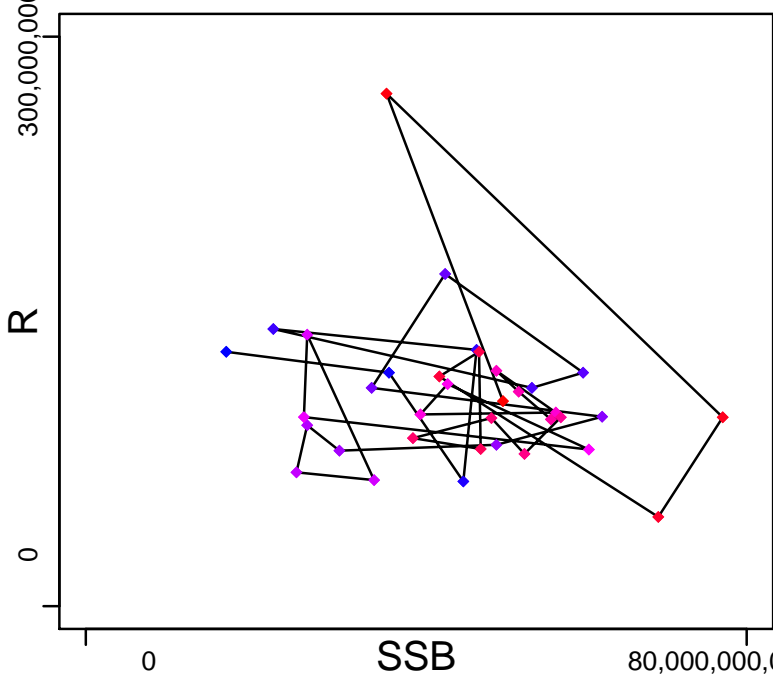
Kobe MSYpref (1948–2011–HIVELY)



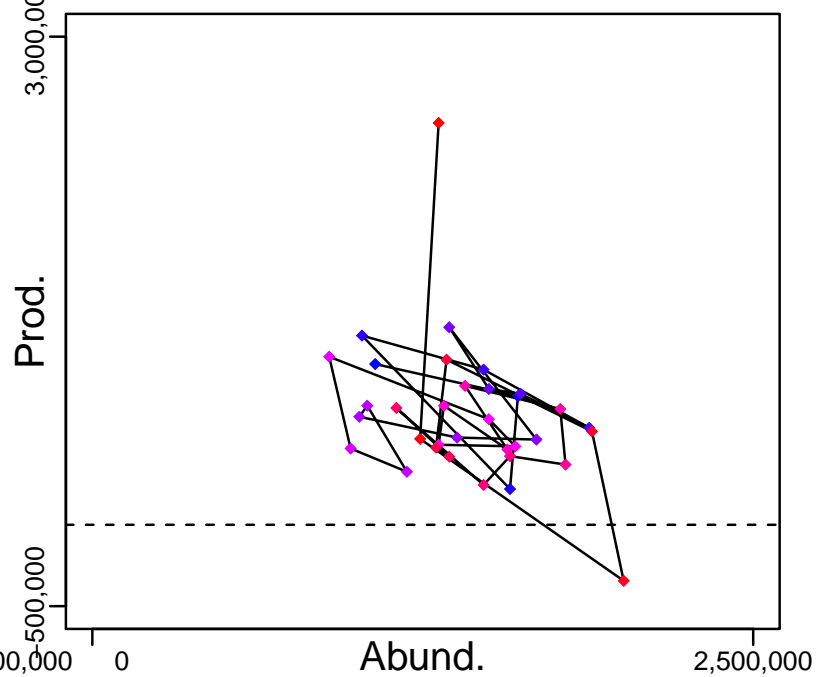
Kobe MGTpref (1948–2011–HIVELY)



Spawner Recruit (1948–2011–HIVELY)

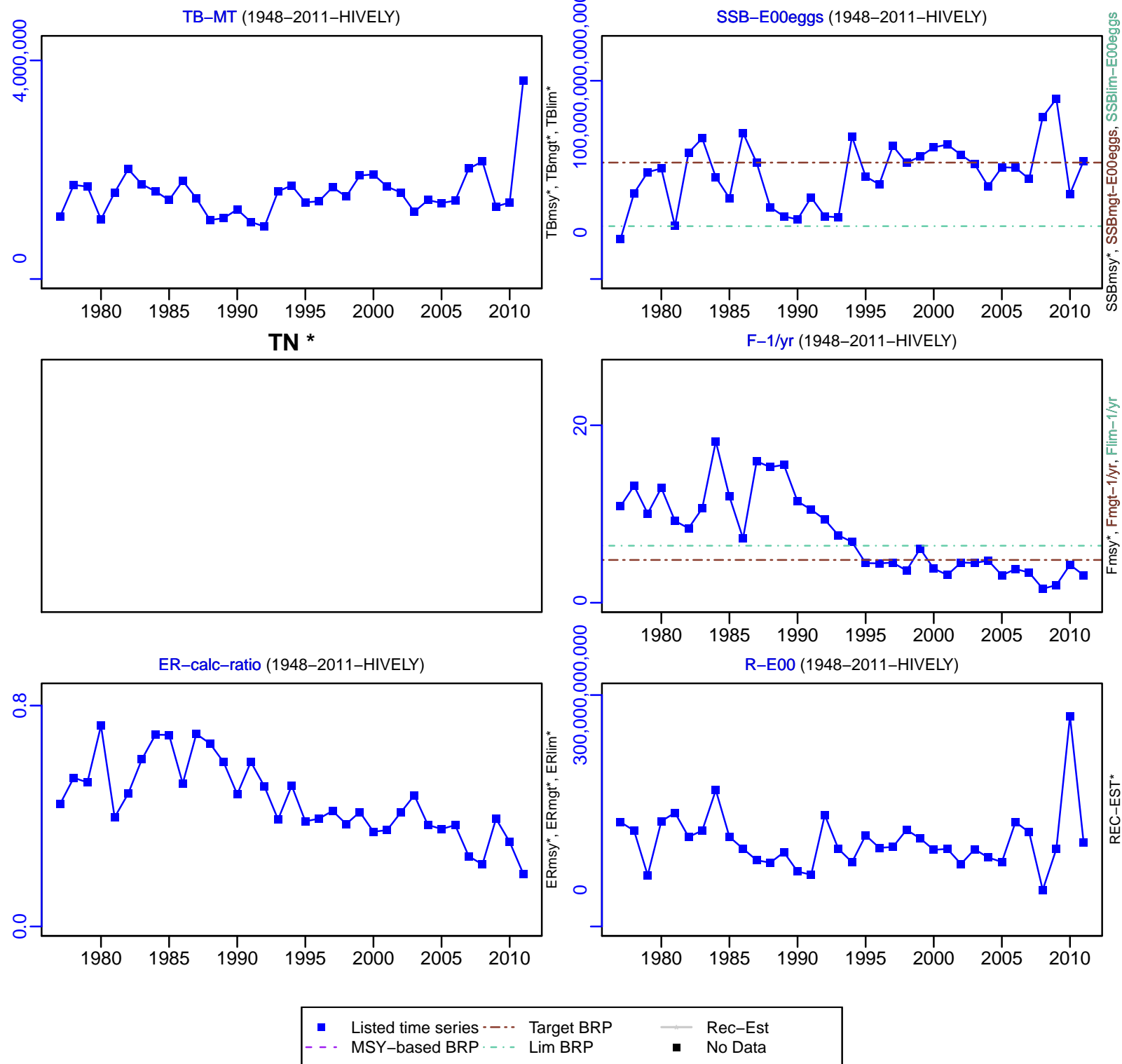


Production (1948–2011–HIVELY)



◆ Start Year ◆ End Year * No Data

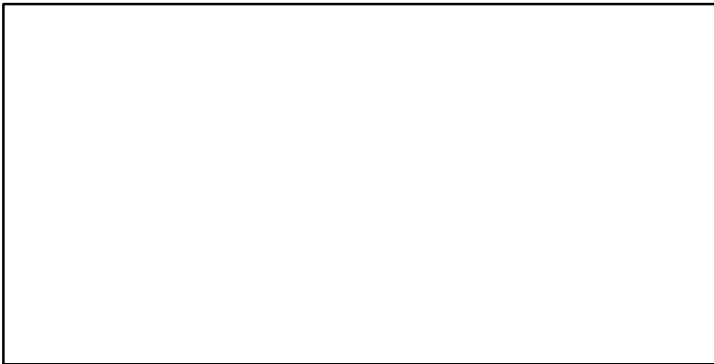
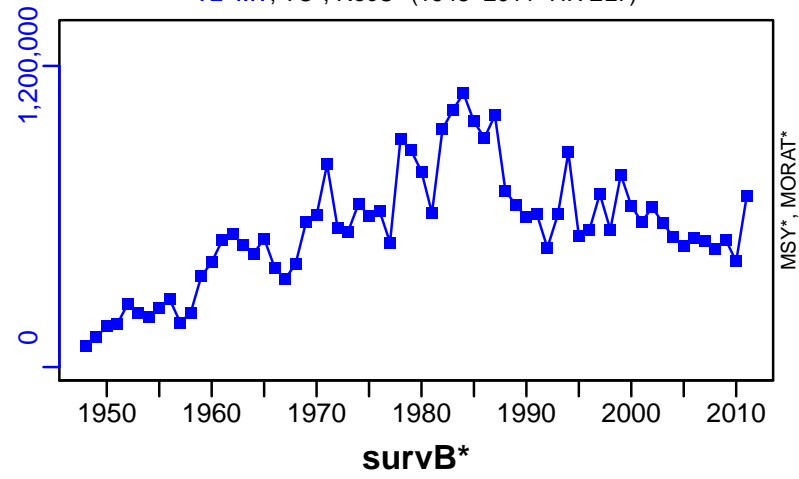
Gulf menhaden Gulf of Mexico [MENATGM]



Gulf menhaden Gulf of Mexico [MENATGM]

TL-MT, TC*, RecC* (1948–2011–HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*



Mutton snapper Southern Atlantic coast and Gulf of Mexico [MUTSNAPSATLCGM]

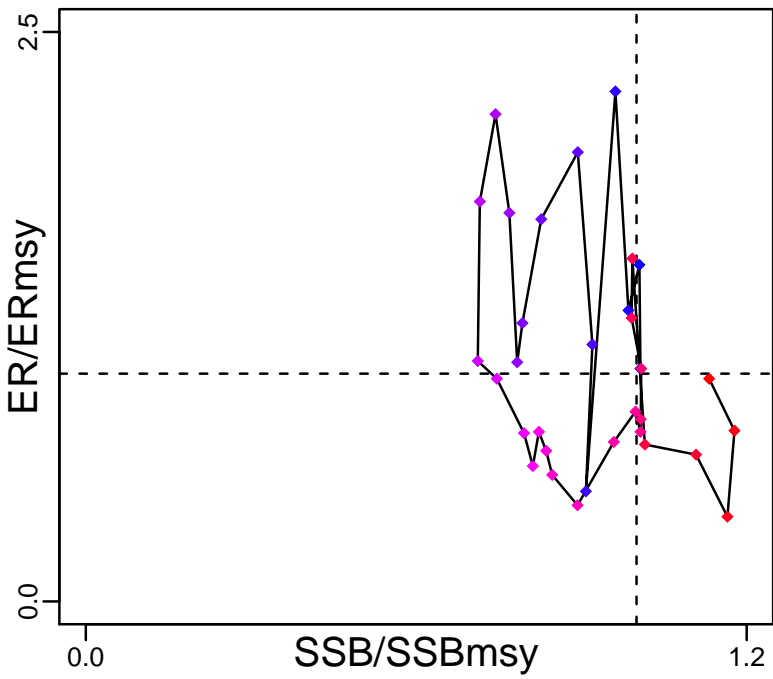
Metadata	
Scientific Name	Lutjanus analis
Current Assess ID	SEFSC-MUTSNAPSATLCGM-1981-2013-SISIMP2016
Area	Southern Atlantic coast and Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2006, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2013	2109
Fmsy	Fmsy-pr-1/yr	2006	0.34
ERmsy	ERmsy-ratio	2013	0.18
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2013	414
M	M-1/yr	2006	0.11
TBlim	-	-	-
SSBlim	SSBlim-MT	2013	1877
Flim	-	-	-
ERlim	ERlim-ratio	2013	0.18

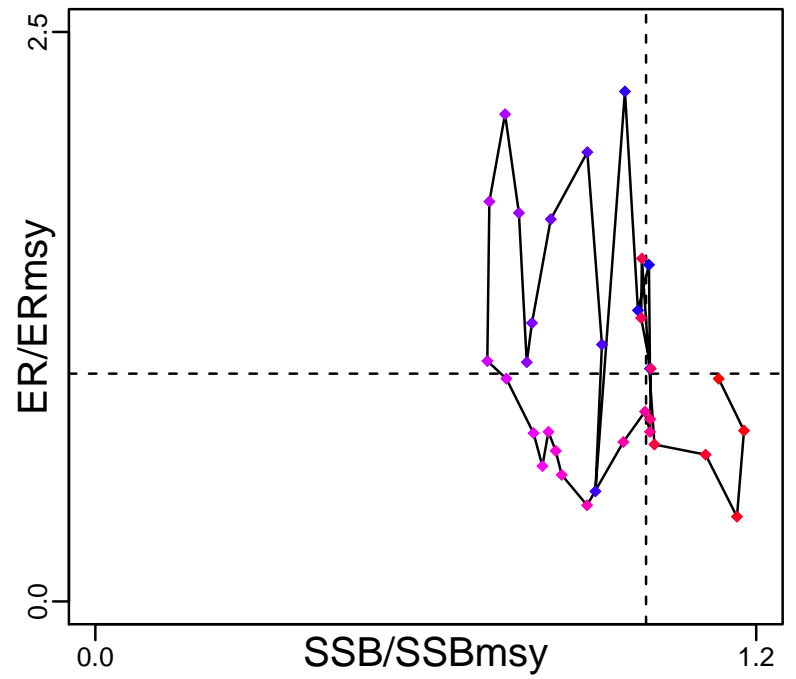
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2013	5210	-	-
SSB	SSB-MT	2013	2390	Females	4+
TN	-	-	-	-	-
R	R-E00	2006	1,580,000	-	-
F	F-1/yr	2006	0.18	-	-
ER	ER-ratio	2013	0.18	-	3
TC	TC-MT	2013	404		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2013	1.13		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2006	0.53		
ER/ERmsy	ER-ratio/ERmsy-ratio	2013	0.98		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Mutton snapper Southern Atlantic coast and Gulf of Mexico [MUTSNAPSATLCGM]

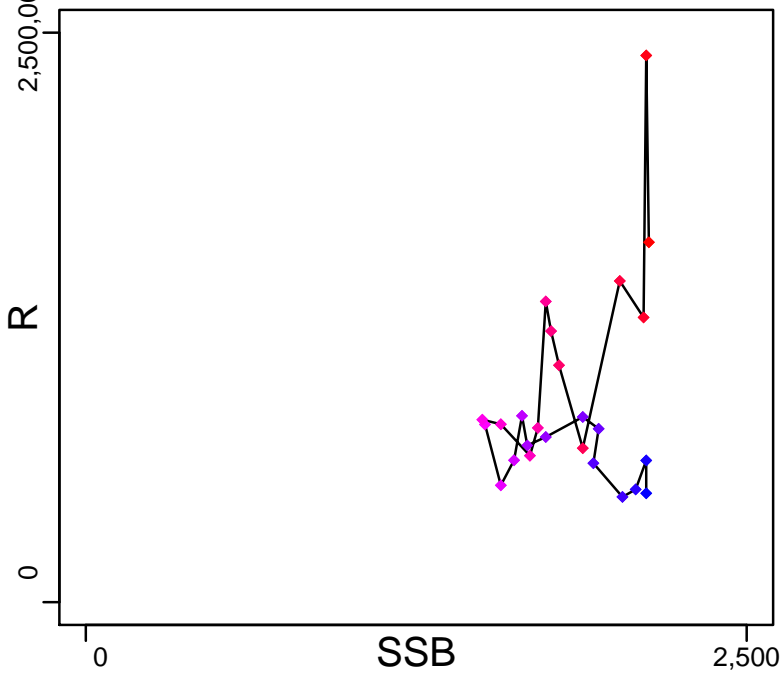
Kobe MSY_{pref} (1981–2013–SISIMP2016)



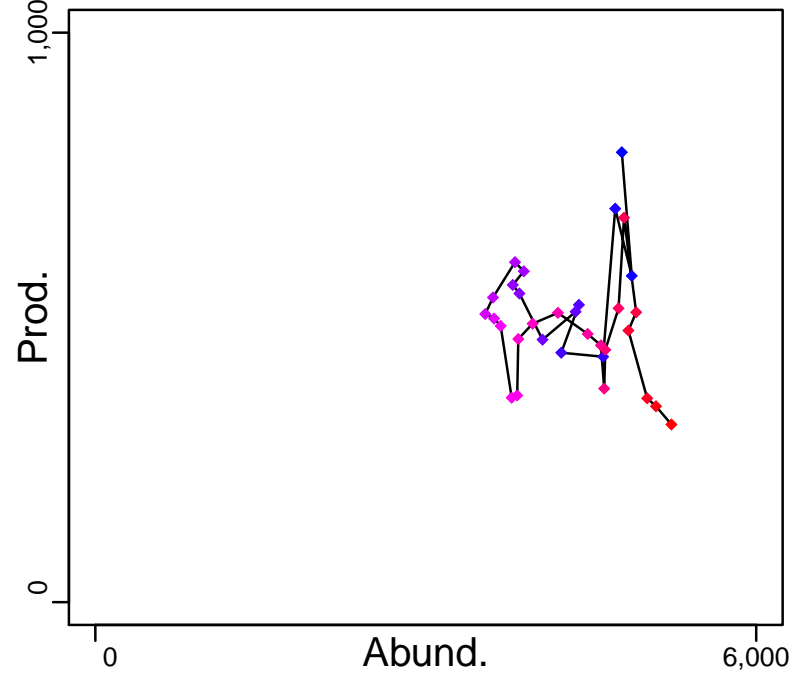
Kobe MGT_{pref} (1981–2013–SISIMP2016)



Spawner Recruit (1981–2006–JENSEN)



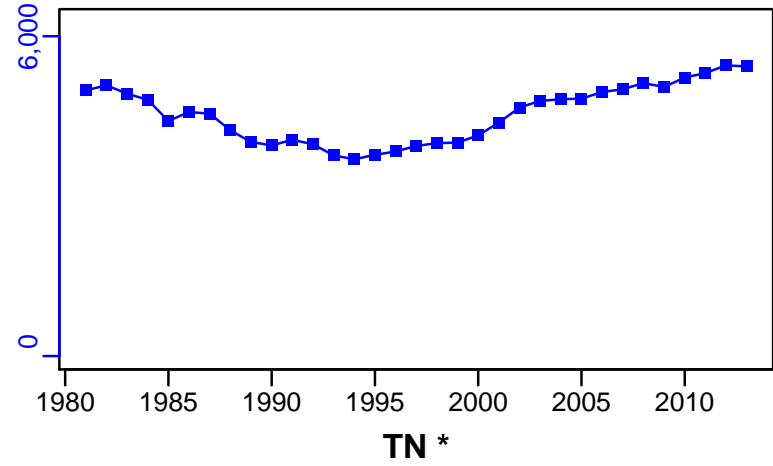
Production (1981–2013–SISIMP2016)



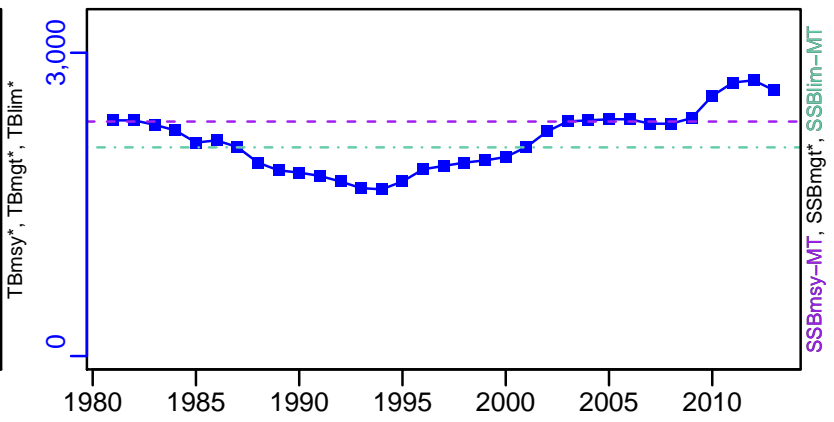
◆ Start Year ◆ End Year * No Data

Mutton snapper Southern Atlantic coast and Gulf of Mexico [MUTSNAPSATLCGM]

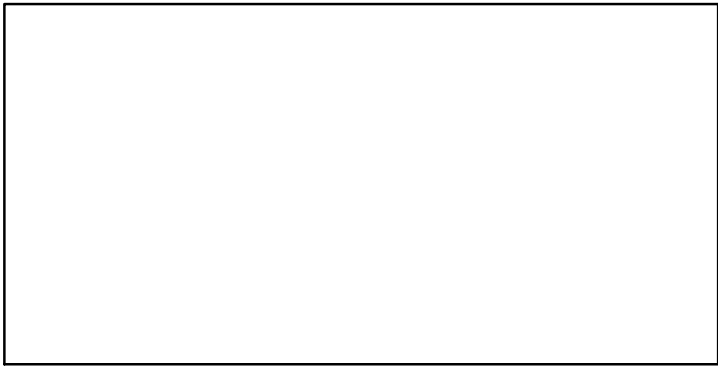
TB-MT (1981–2013–SISIMP2016)



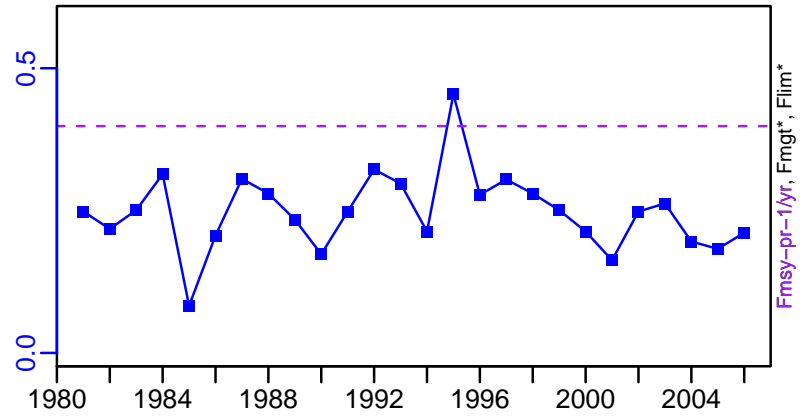
SSB-MT (1981–2013–SISIMP2016)



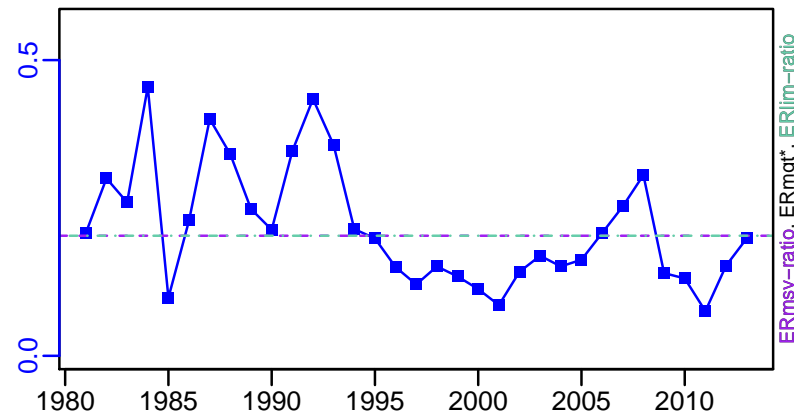
TN *



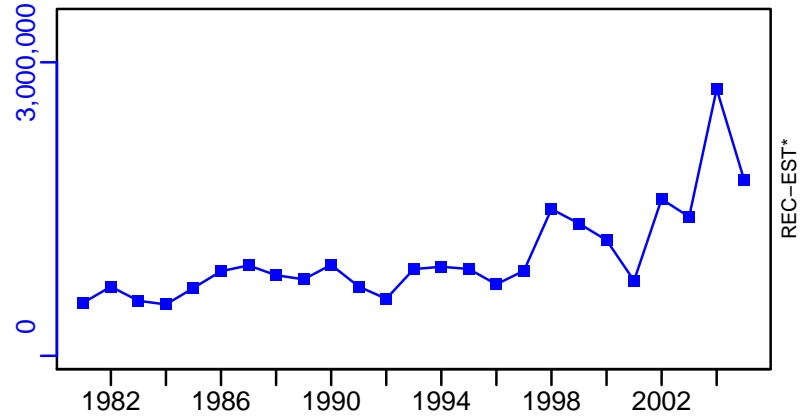
F-1/yr (1981–2006–JENSEN)



ER-ratio (1981–2013–SISIMP2016)



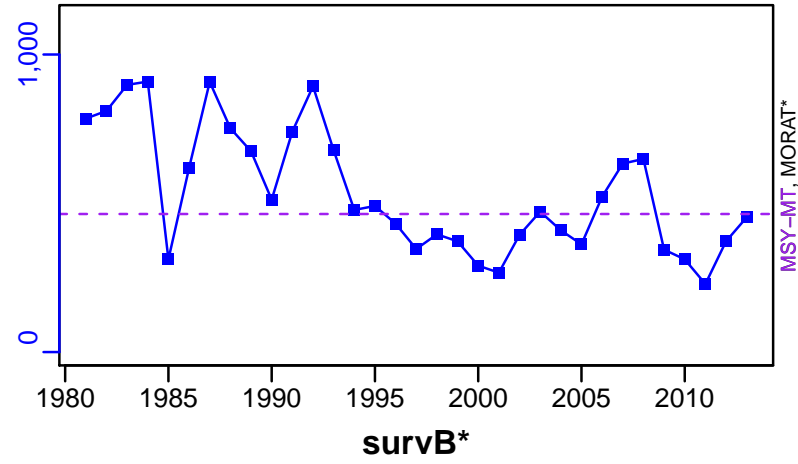
R-E00 (1981–2006–JENSEN)



Mutton snapper Southern Atlantic coast and Gulf of Mexico [MUTSNAPSATLCGM]

TC-MT, TL*, RecC* (1981-2013-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Pink shrimp Gulf of Mexico [PINKSHRIMPGM]

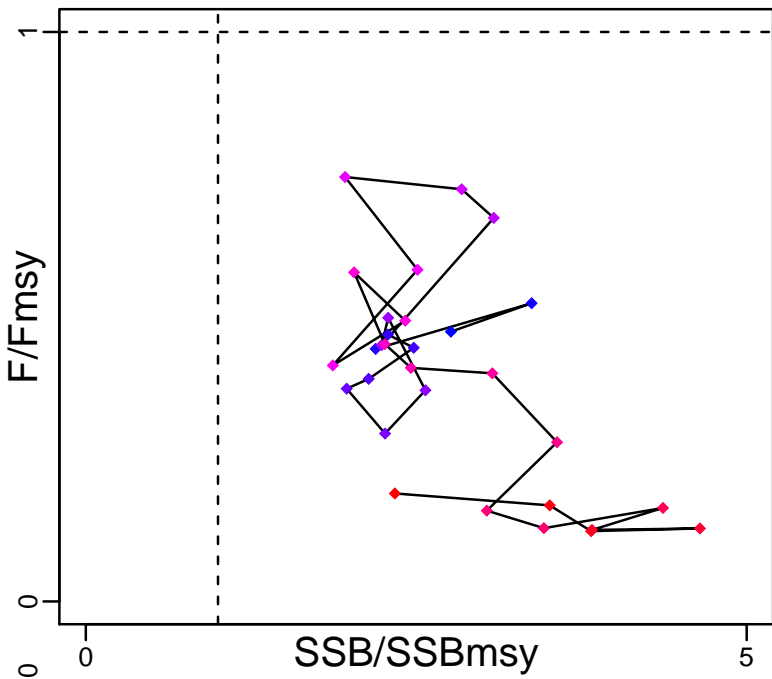
Metadata	
Scientific Name	Farfantepenaeus duorarum
Current Assess ID	SEFSC-PINKSHRIMPGM-1984-2013-SISIMP2016
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2011, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2013	10,750
Fmsy	Fmsy-1/yr	2013	1.34
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2013	10,750
Flim	-	-	-
ERlim	-	-	-

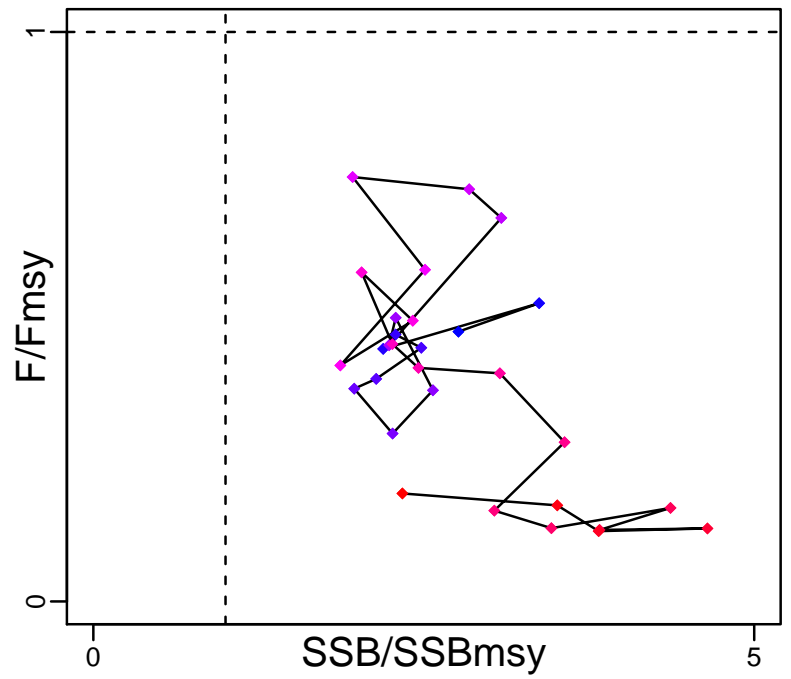
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2013	25,100	-	4+
TN	-	-	-	-	-
R	R-E00	2013	5.54×10^9	-	0
F	F-1/yr	2013	0.25	-	-
ER	ER-calc-ratio	2013	0.01	-	-
TC	TC-MT	2013	1440		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2013	2.34		
F/Fmsy	F-1/yr/Fmsy-1/yr	2013	0.19		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Pink shrimp Gulf of Mexico [PINKSHRIMPGM]

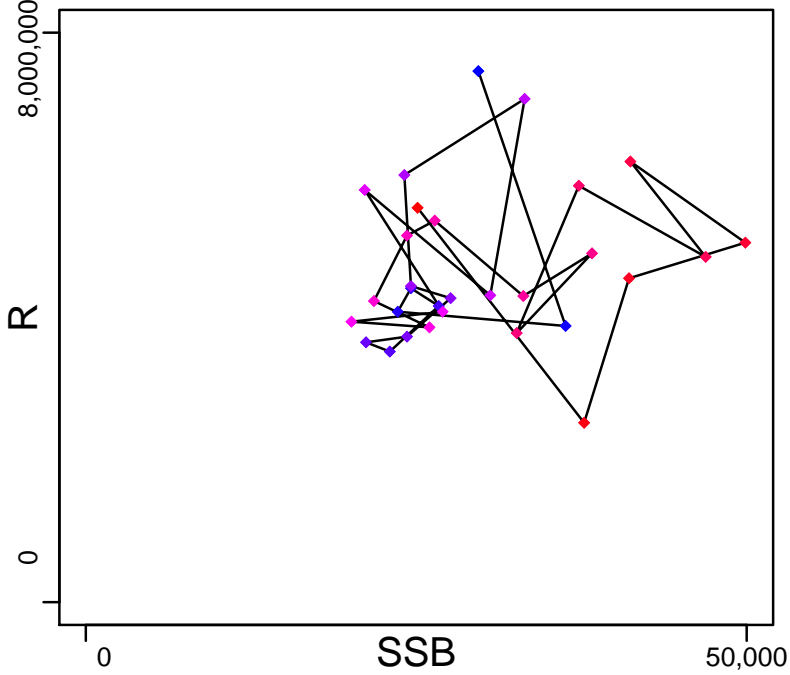
Kobe MSYpref (1984–2013–SISIMP2016)



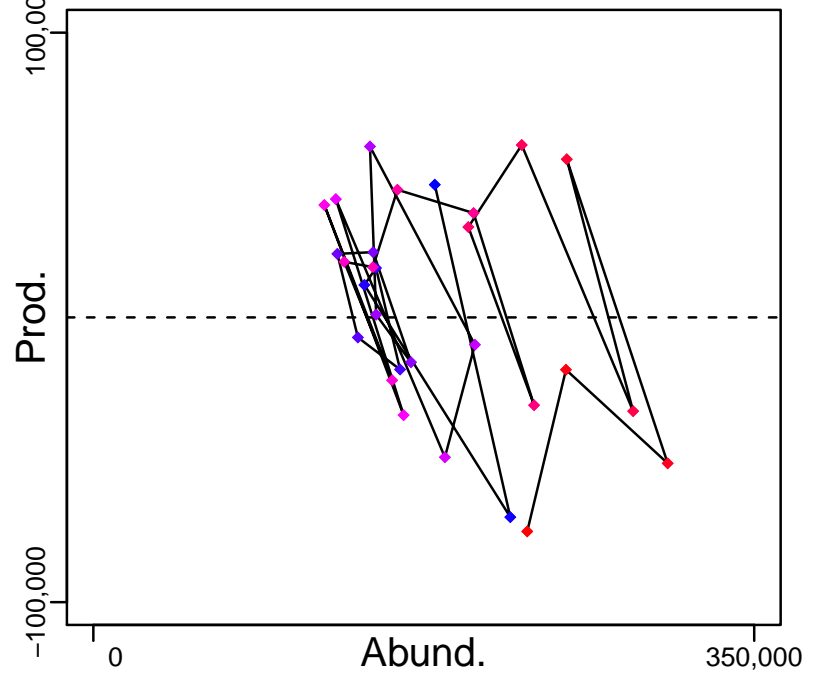
Kobe MGTpref (1984–2013–SISIMP2016)



Spawner Recruit (1984–2013–SISIMP2016)



Production (1984–2013–SISIMP2016)



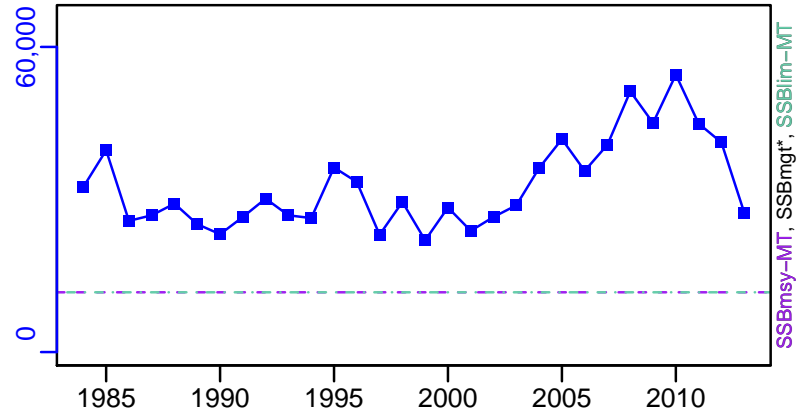
◆ Start Year ◆ End Year * No Data

Pink shrimp Gulf of Mexico [PINKSHRIMPGM]

TB*



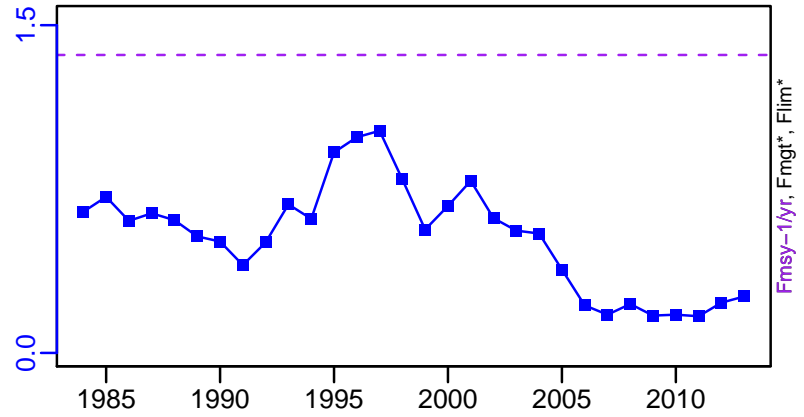
SSB-MT (1984–2013–SISIMP2016)



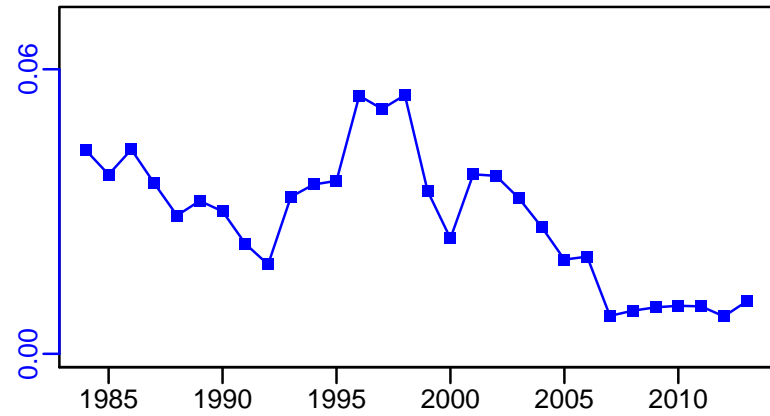
TN *



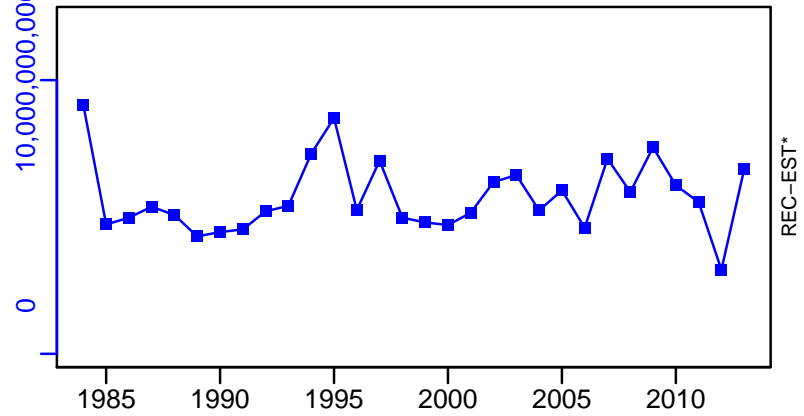
F-1/yr (1984–2013–SISIMP2016)



ER-calc-ratio (1984–2013–SISIMP2016)



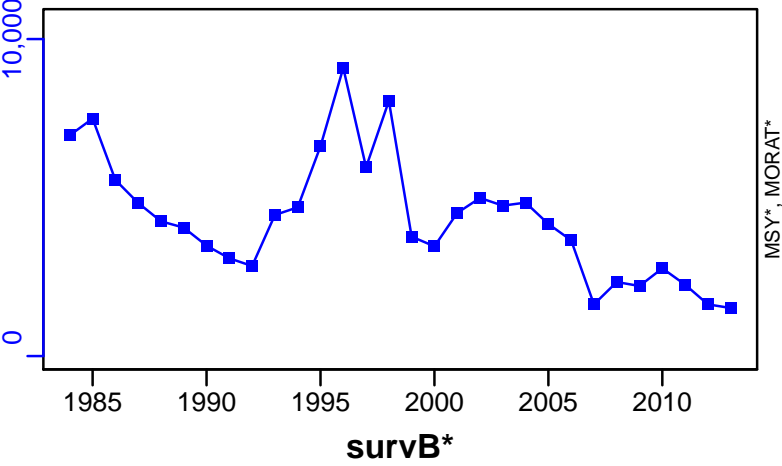
R-E00 (1984–2013–SISIMP2016)



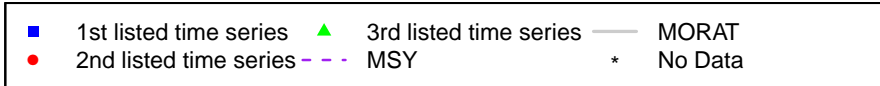
Pink shrimp Gulf of Mexico [PINKSHRIMPGM]

TC-MT, TL*, RecC* (1984-2013-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Red grouper Gulf of Mexico [RGROUPGM]

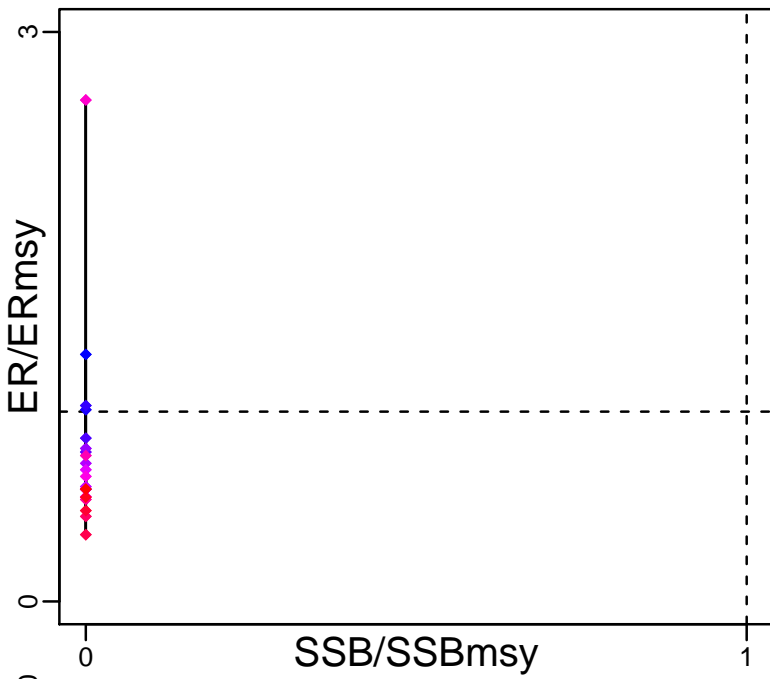
Metadata	
Scientific Name	Epinephelus morio
Current Assess ID	SEFSC-RGROUPGM-1993-2013-SISIMP2016
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2005, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2013	30,798
SSBmsy	SSBmsy-E00eggs	2013	2.45×10^{12}
Fmsy	Fmsy-1/yr	2005	0.22
ERmsy	ERmsy-ratio	2013	0.21
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2013	0.16
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2013	6529
M	M-1/yr	2005	0.14
TBlim	-	-	-
SSBlim	SSBlim-E00eggs	2013	2.1×10^{12}
Flim	Flim-1/yr	2005	0.22
ERlim	ERlim-ratio	2013	0.21

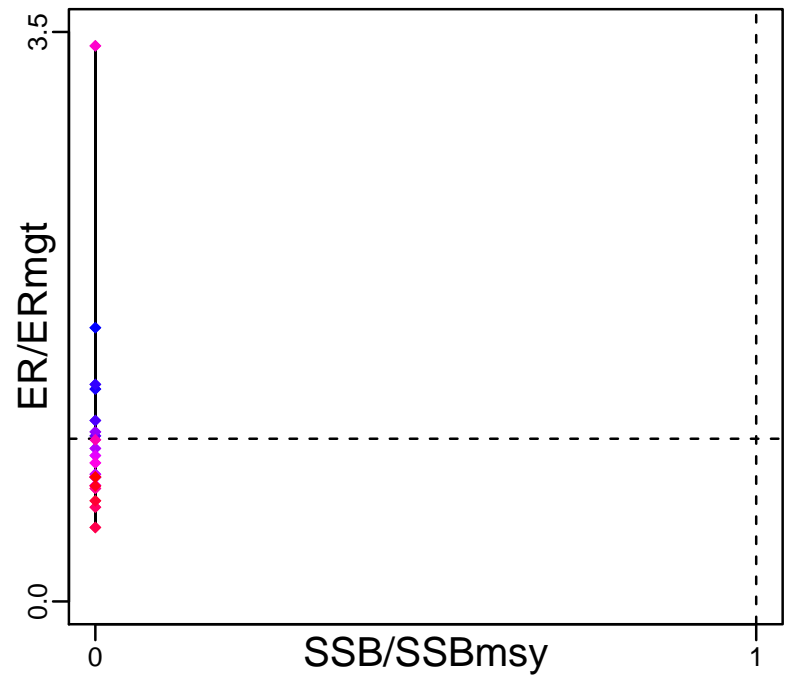
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2013	46,500	-	0+
SSB	SSB-E00eggs	2013	2,910,000	Females	-
TN	-	-	-	-	-
R	R-E00	2013	13,100,000	-	0
F	F-1/yr	2005	0.16	-	-
ER	ER-ratio	2013	0.13	-	-
TC	TC-MT	2013	5840		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2013	1.51		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2013	0		
F/Fmsy	F-1/yr/Fmsy-1/yr	2005	0.73		
ER/ERmsy	ER-ratio/ERmsy-ratio	2013	0.59		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Red grouper Gulf of Mexico [RGROUPGM]

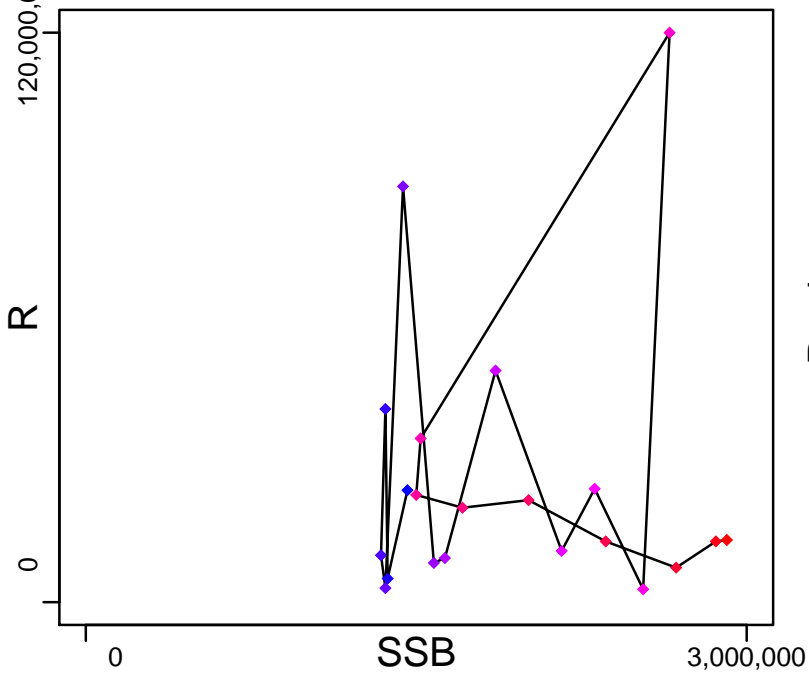
Kobe MSYpref (1993–2013–SISIMP2016)



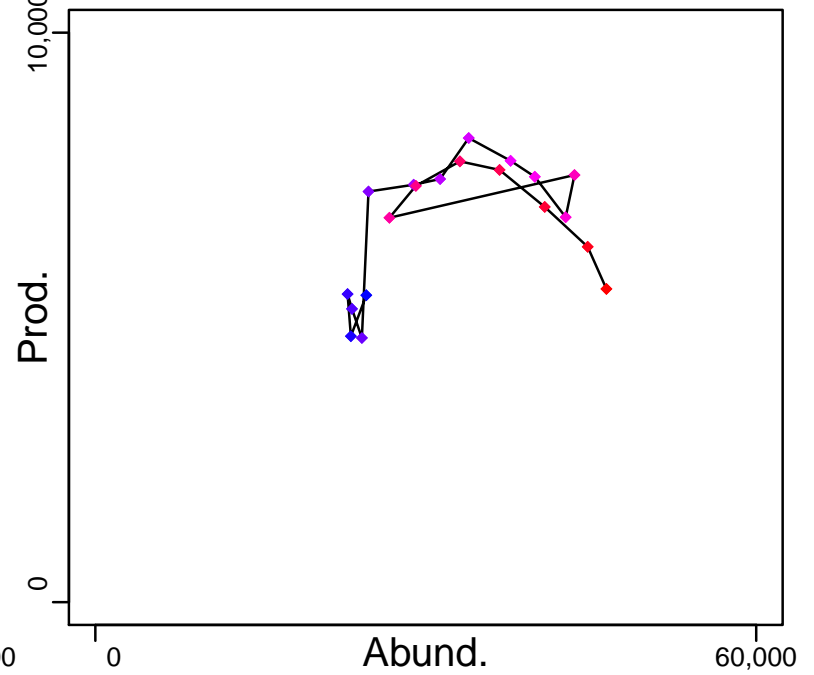
Kobe MGTpref (1993–2013–SISIMP2016)



Spawner Recruit (1993–2013–SISIMP2016)



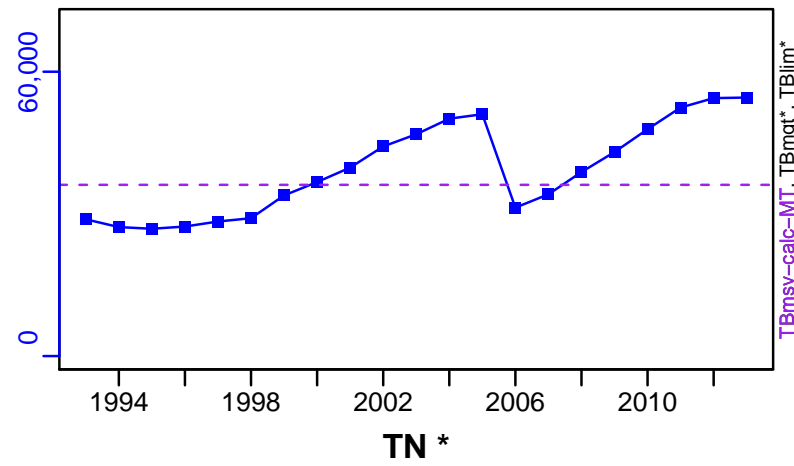
Production (1993–2013–SISIMP2016)



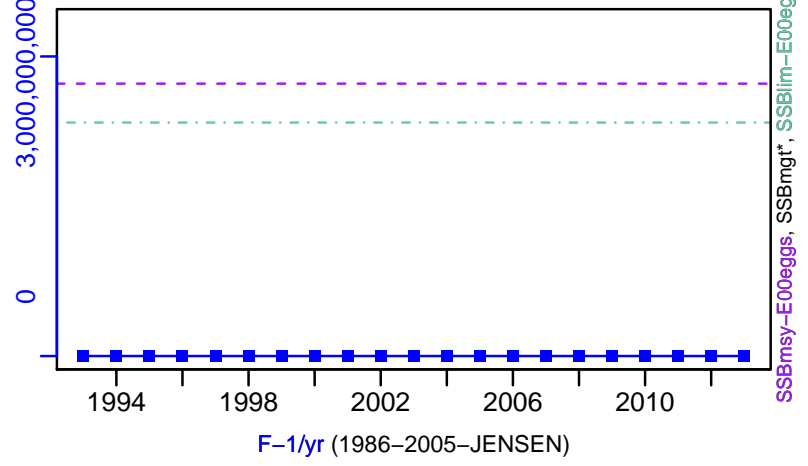
◆ Start Year ◆ End Year * No Data

Red grouper Gulf of Mexico [RGROUPGM]

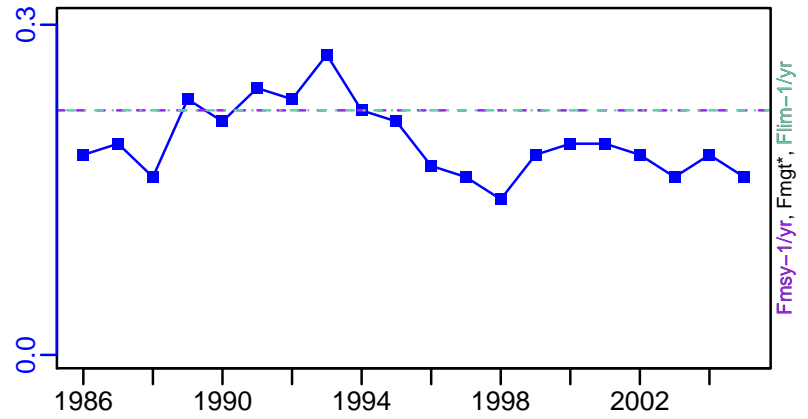
TB-MT (1993–2013–SISIMP2016)



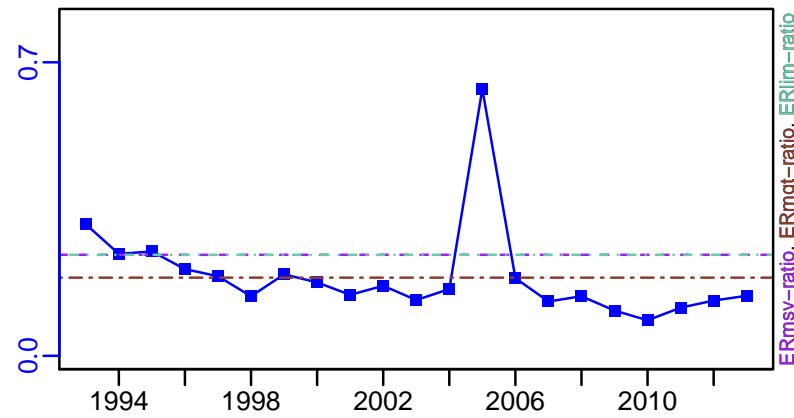
SSB-E00eggs (1993–2013–SISIMP2016)



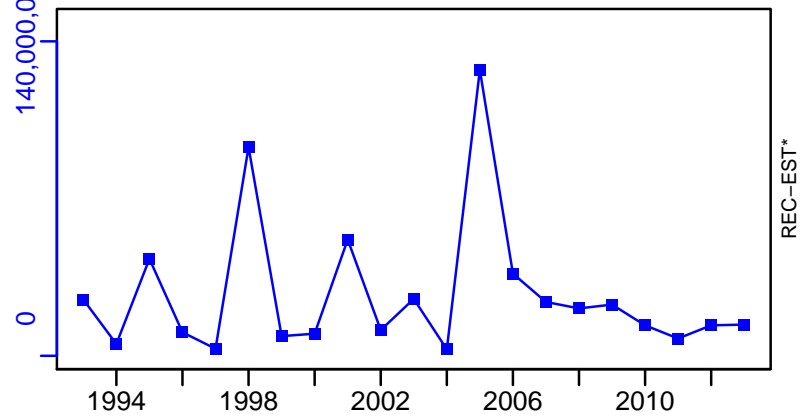
F-1/yr (1986–2005–JENSEN)



ER-ratio (1993–2013–SISIMP2016)



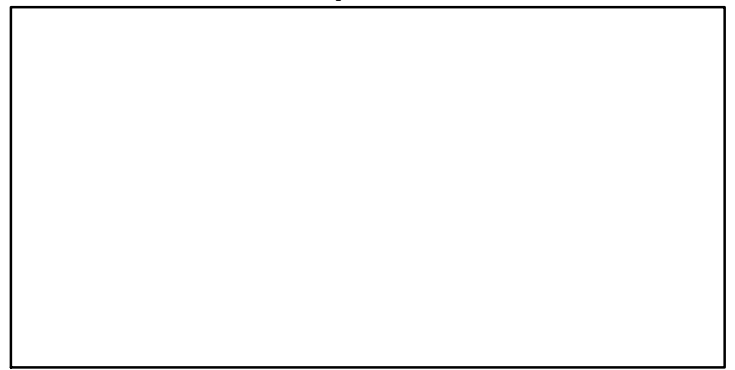
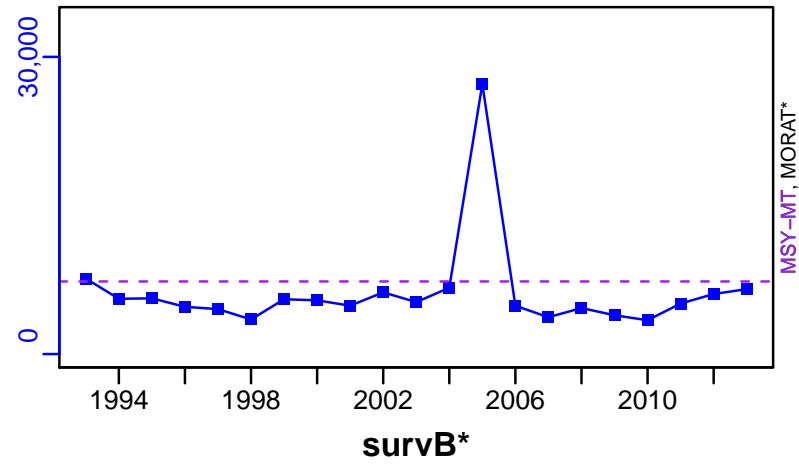
R-E00 (1993–2013–SISIMP2016)



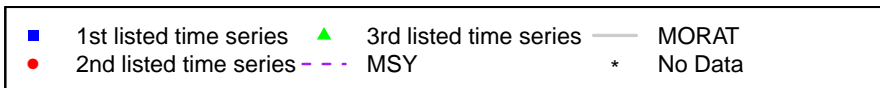
Red grouper Gulf of Mexico [RGROUPGM]

TC-MT, TL*, RecC* (1993-2013-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Red grouper South Atlantic [RGROUPSATL]

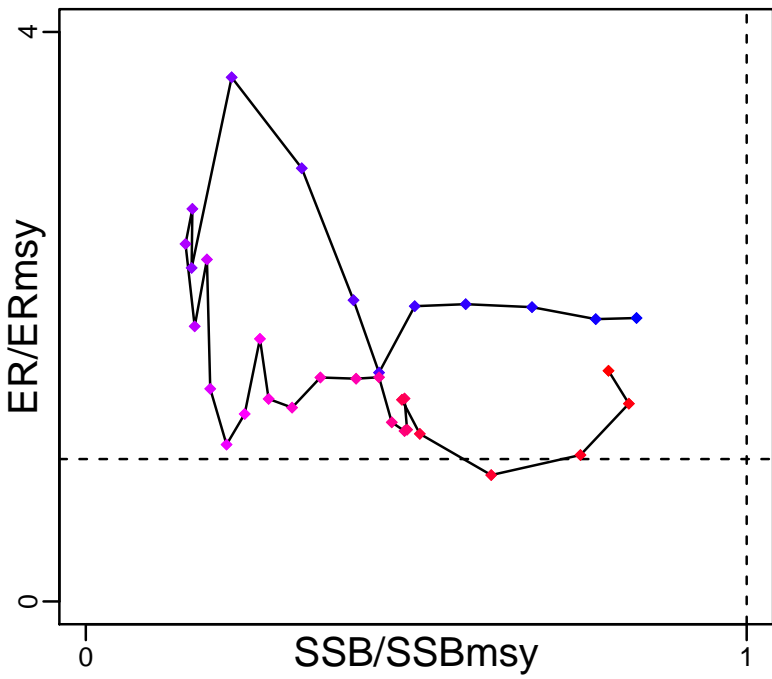
Metadata	
Scientific Name	Epinephelus morio
Current Assess ID	SEFSC-RGROUPSATL-1976-2009-HIVELY
Area	South Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2009	3680
SSBmsy	SSBmsy-MT	2009	2592
Fmsy	Fmsy-1/yr	2009	0.22
ERmsy	ERmsy-calc-ratio	2009	0.14
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2009	503
M	M-1/yr	2009	0.14
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

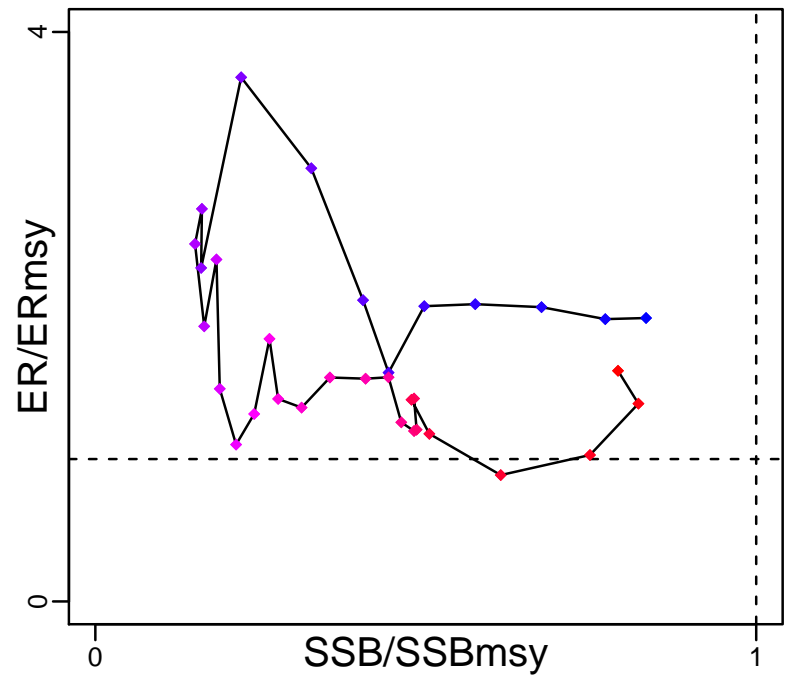
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2009	2760	-	-
SSB	SSB-MT	2009	2050	Both	3+
TN	-	-	-	-	-
R	R-E00	2009	427,000	-	-
F	F-1/yr	2009	0.34	-	-
ER	ER-calc-ratio	2009	0.22	-	-
TC	TC-MT	2009	665		
TL	TL-MT	2009	647		
TB/TBmsy	TB-MT/TBmsy-MT	2009	0.75		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2009	0.79		
F/Fmsy	F-1/yr/Fmsy-1/yr	2009	1.55		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2009	1.62		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Red grouper South Atlantic [RGROUPSATL]

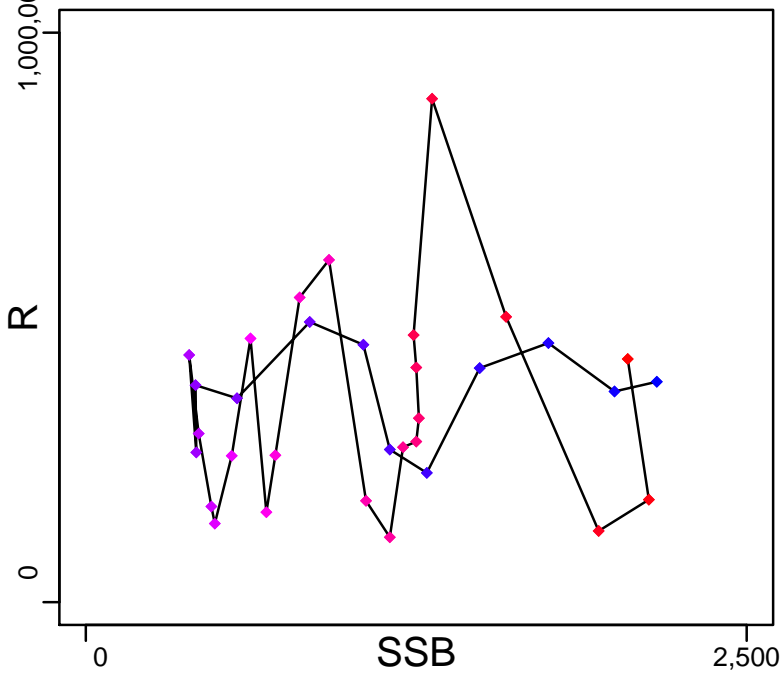
Kobe MSYpref (1976–2009–HIVELY)



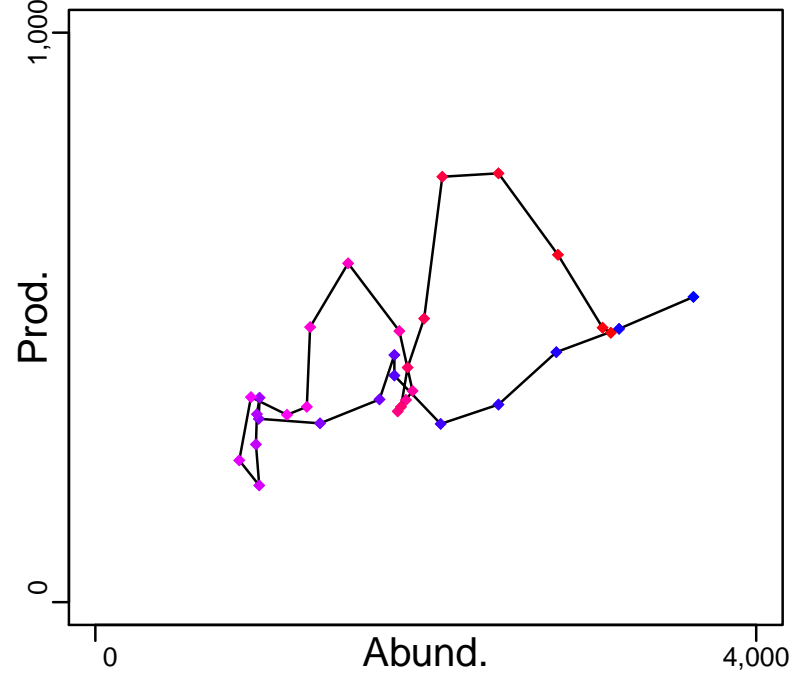
Kobe MGTpref (1976–2009–HIVELY)



Spawner Recruit (1976–2009–HIVELY)



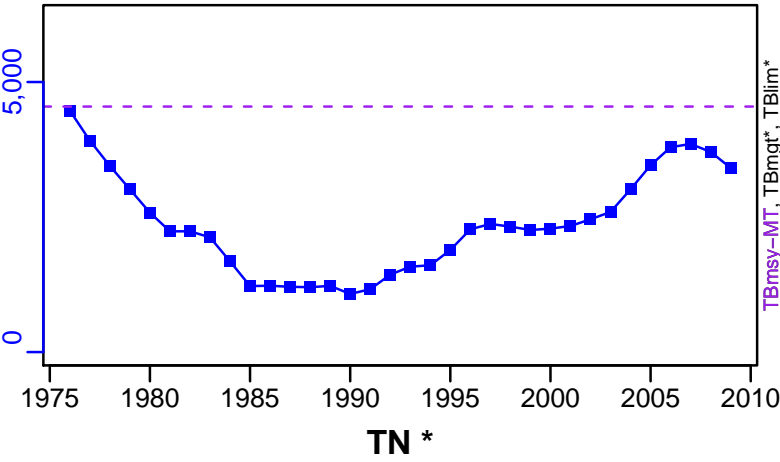
Production (1976–2009–HIVELY)



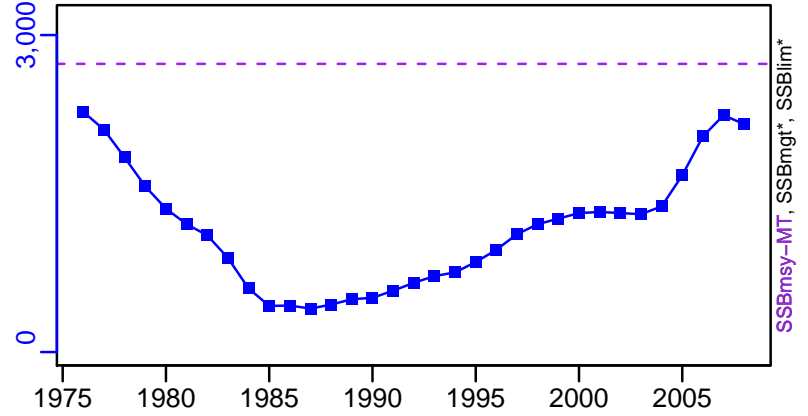
◆ Start Year ◆ End Year * No Data

Red grouper South Atlantic [RGROUPSATL]

TB-MT (1976–2009–HIVELY)



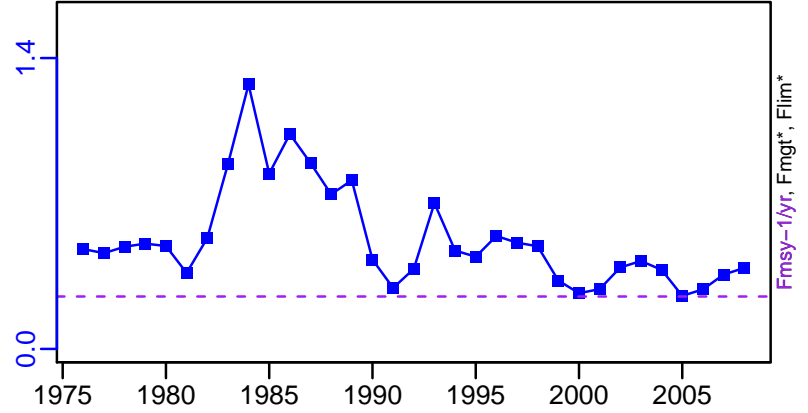
SSB-MT (1976–2009–HIVELY)



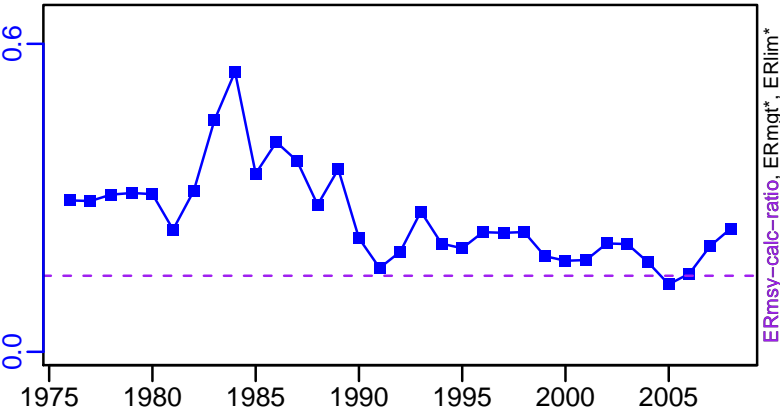
TN *



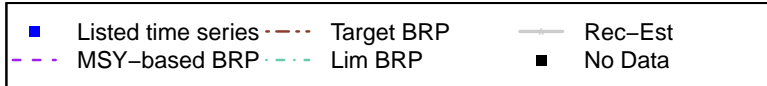
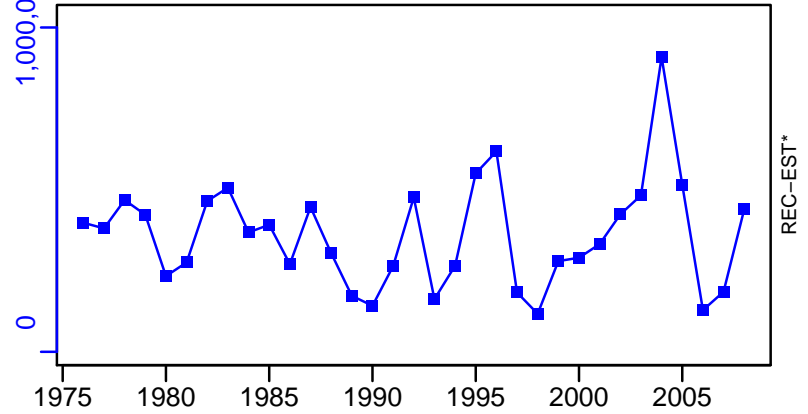
F-1/yr (1976–2009–HIVELY)



ER-calc-ratio (1976–2009–HIVELY)

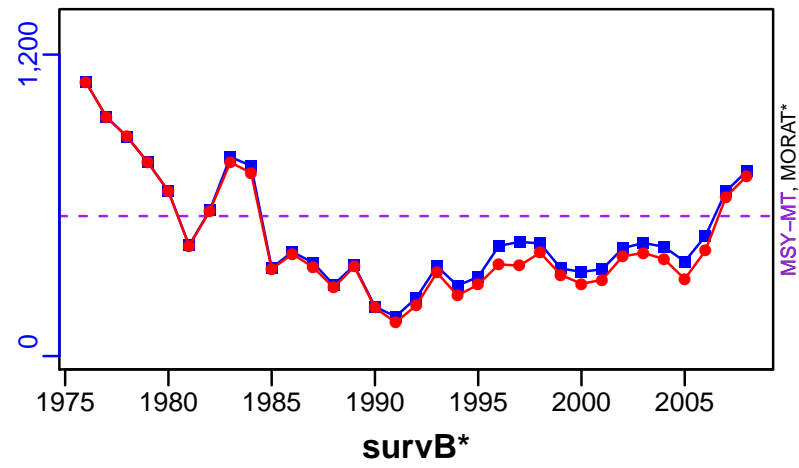


R-E00 (1976–2009–HIVELY)



Red grouper South Atlantic [RGROUPSATL]

TC-MT, TL-MT, RecC* (1976–2009–HIVELY)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Red porgy Southern Atlantic coast [RPORGYSATLC]

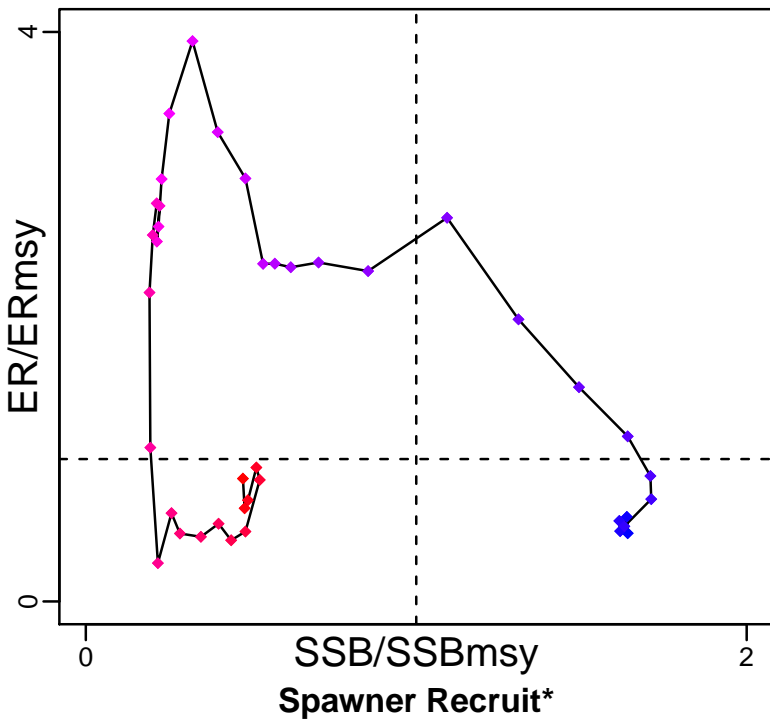
Metadata	
Scientific Name	Pagrus pagrus
Current Assess ID	SEFSC-RPORGYSATLC-1972-2012-HIVELY
Area	Southern Atlantic coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2012	4254
SSBmsy	SSBmsy-MT	2012	3933
Fmsy	Fmsy-1/yr	2012	0.17
ERmsy	ERmsy-calc-ratio	2012	0.09
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2012	378
M	M-1/yr	2012	0.23
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

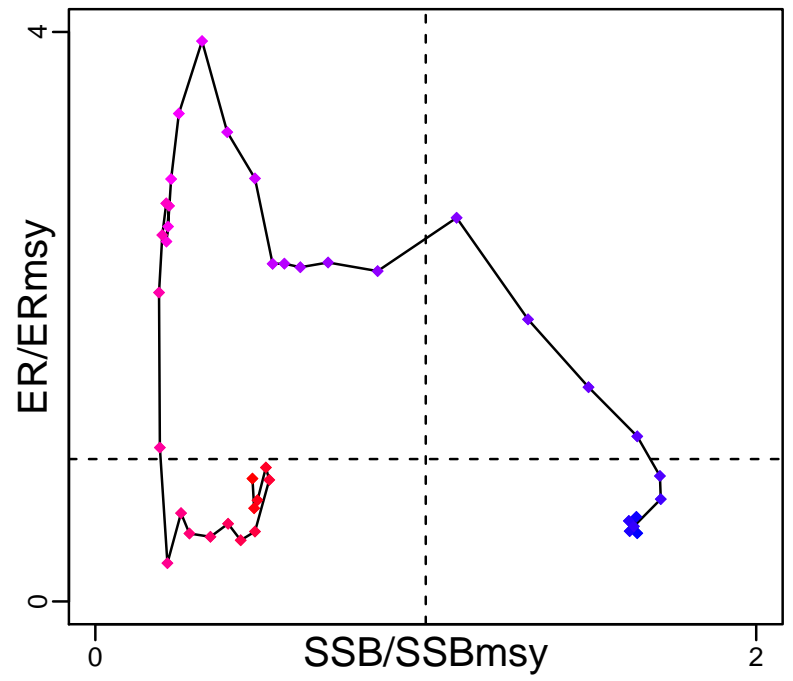
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2012	2020	-	-
SSB	SSB-MT	2012	1850	Both	3+
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2012	0.13	-	-
ER	ER-calc-ratio	2012	0.08	-	-
TC	-	-	-		
TL	TL-MT	2012	155		
TB/TBmsy	TB-MT/TBmsy-MT	2012	0.47		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2012	0.47		
F/Fmsy	F-1/yr/Fmsy-1/yr	2012	0.78		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2012	0.86		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Red porgy Southern Atlantic coast [RPORGYSATLC]

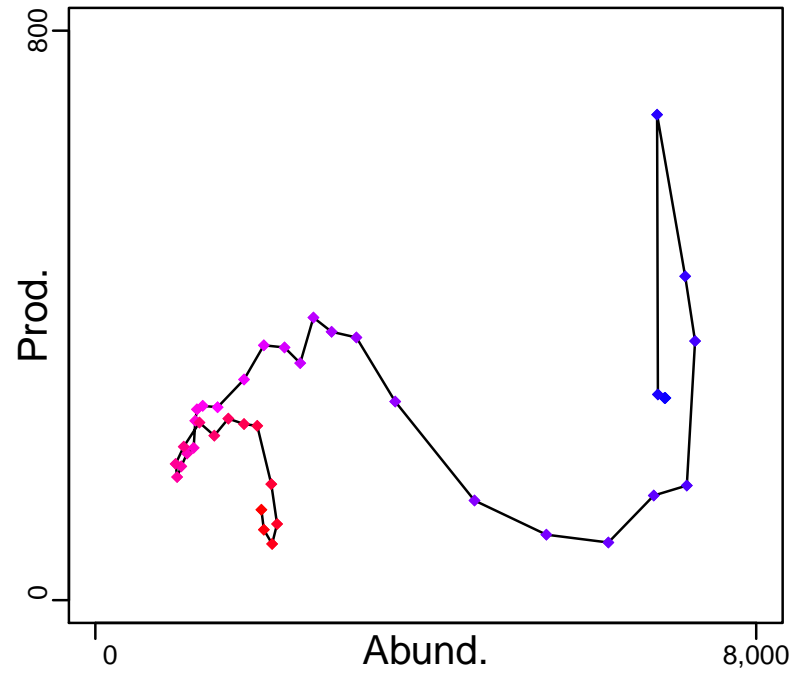
Kobe MSYpref (1972–2012–HIVELY)



Kobe MGTpref (1972–2012–HIVELY)



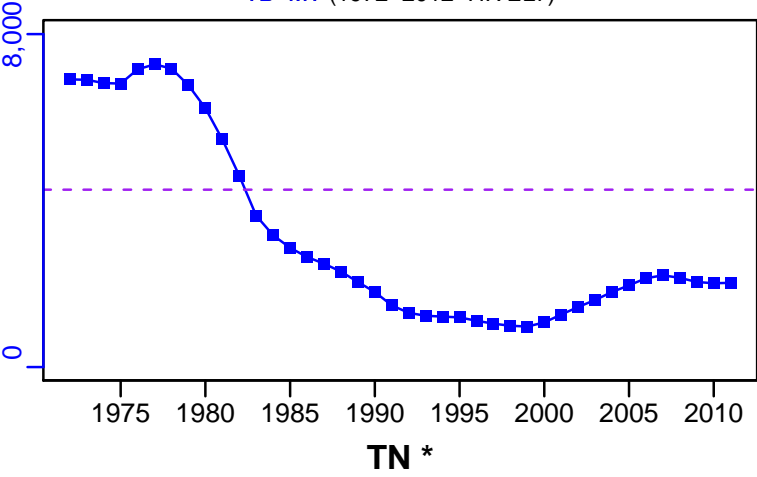
Production (1972–2012–HIVELY)



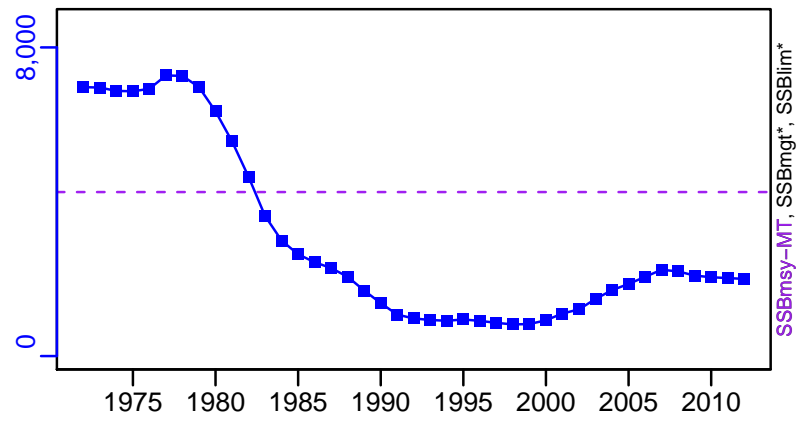
◆ Start Year ◆ End Year * No Data

Red porgy Southern Atlantic coast [RPORGYSATLC]

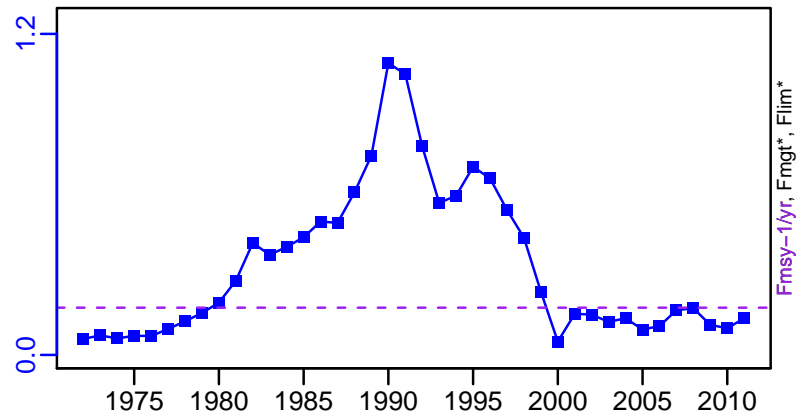
TB-MT (1972-2012-HIVELY)



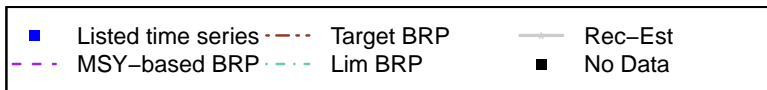
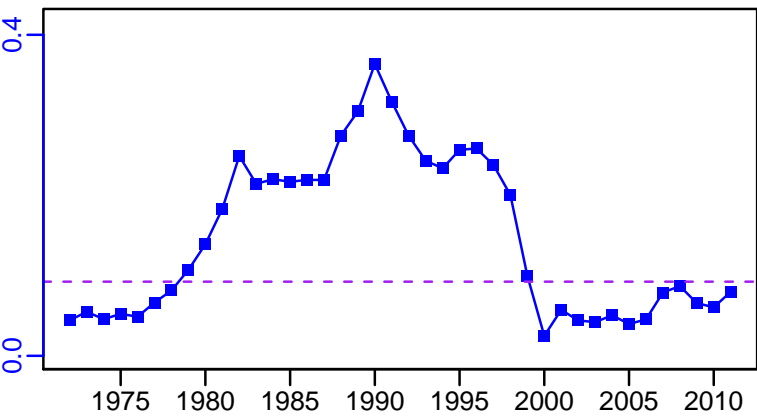
SSB-MT (1972-2012-HIVELY)



F-1/yr (1972-2012-HIVELY)



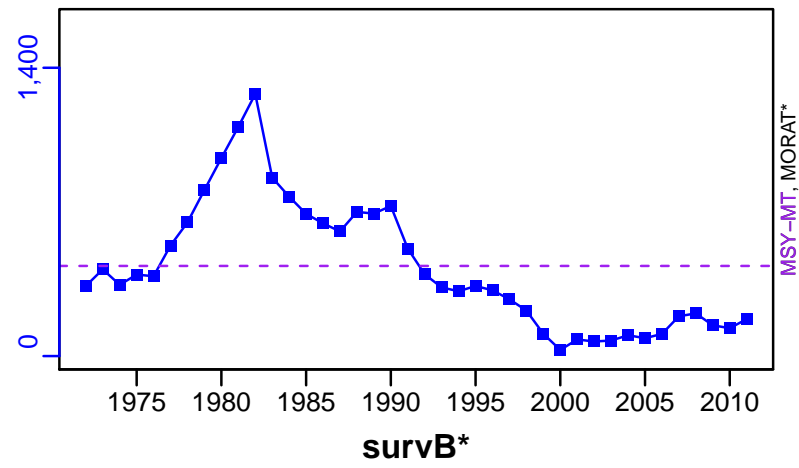
ER-calc-ratio (1972-2012-HIVELY)



Red porgy Southern Atlantic coast [RPORGYSATLC]

TL-MT, TC*, RecC* (1972-2012-HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*



Red snapper Gulf of Mexico [RSNAPGM]

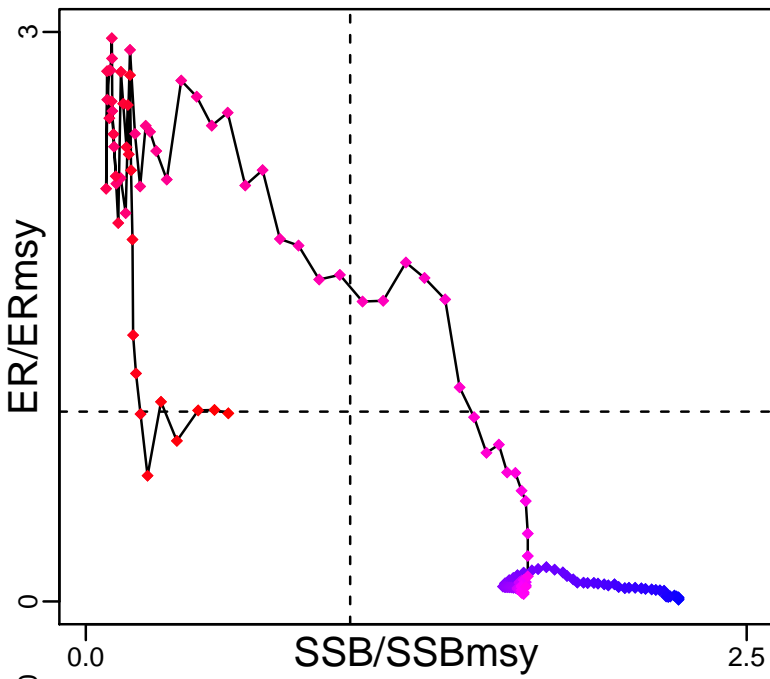
Metadata	
Scientific Name	Lutjanus campechanus
Current Assess ID	SEFSC-RSNAPGM-1872-2013-SISIMP2016
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2011, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2013	119,508
SSBmsy	SSBmsy-E00eggs	2013	1.28×10^{12}
Fmsy	Fmsy-pr-1/yr	2011	0.08
ERmsy	ERmsy-ratio	2013	0.05
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2013	0.05
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2013	5856
M	M-1/yr	2011	0.09
TBlim	-	-	-
SSBlim	SSBlim-E00eggs	2013	1.16×10^{12}
Flim	-	-	-
ERlim	ERlim-ratio	2013	0.05

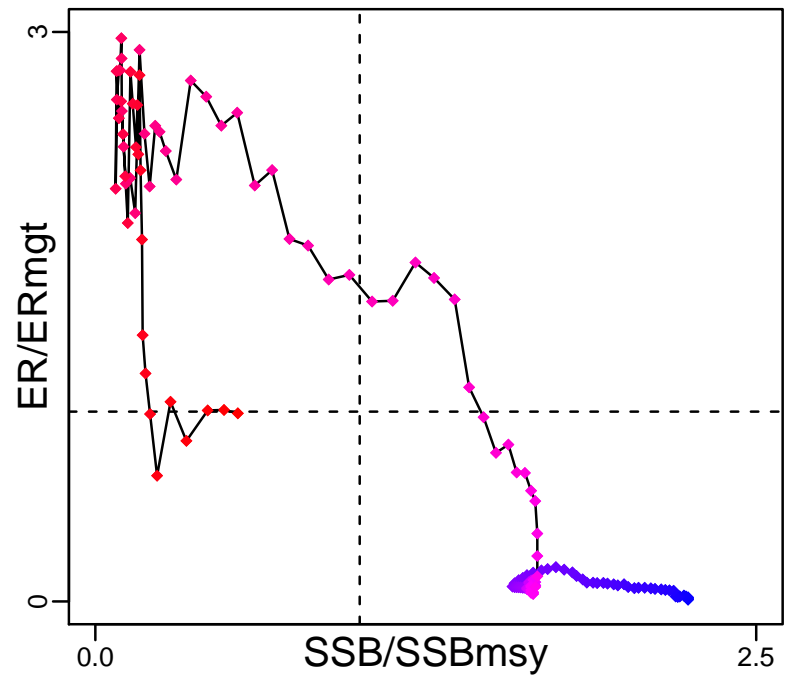
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2013	64,100	-	0+
SSB	SSB-E00eggs	2013	6.9×10^{11}	Females	-
TN	-	-	-	-	-
R	R-E00	2013	1.96×10^8	-	0
F	F-1/yr	2011	0.06	-	-
ER	ER-ratio	2013	0.05	-	-
TC	TC-MT	2013	8370		
TL	TL-MT	2011	1630		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2013	0.54		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2013	0.54		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2011	0.77		
ER/ERmsy	ER-ratio/ERmsy-ratio	2013	0.99		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Red snapper Gulf of Mexico [RSNAPGM]

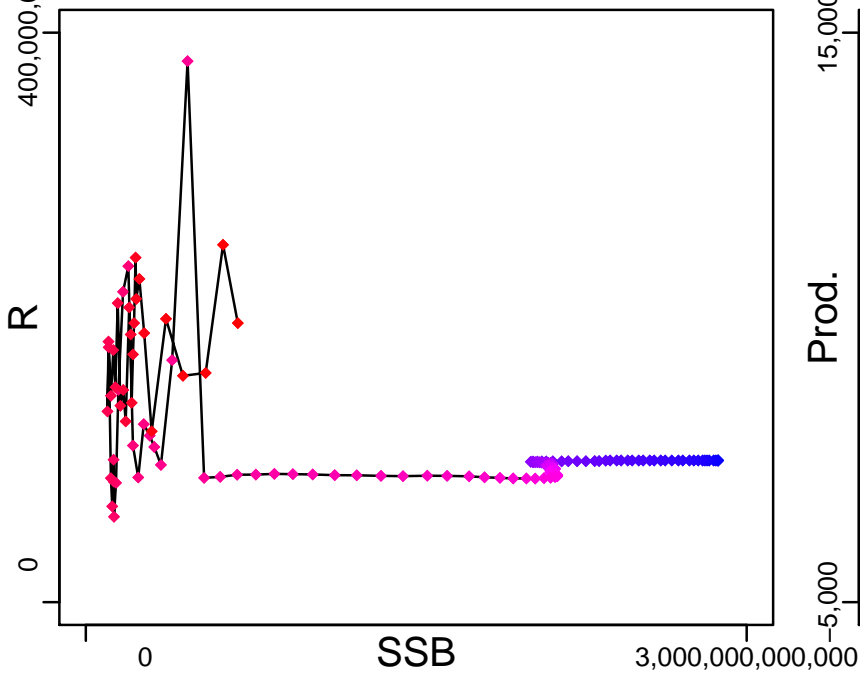
Kobe MSYpref (1872–2013–SISIMP2016)



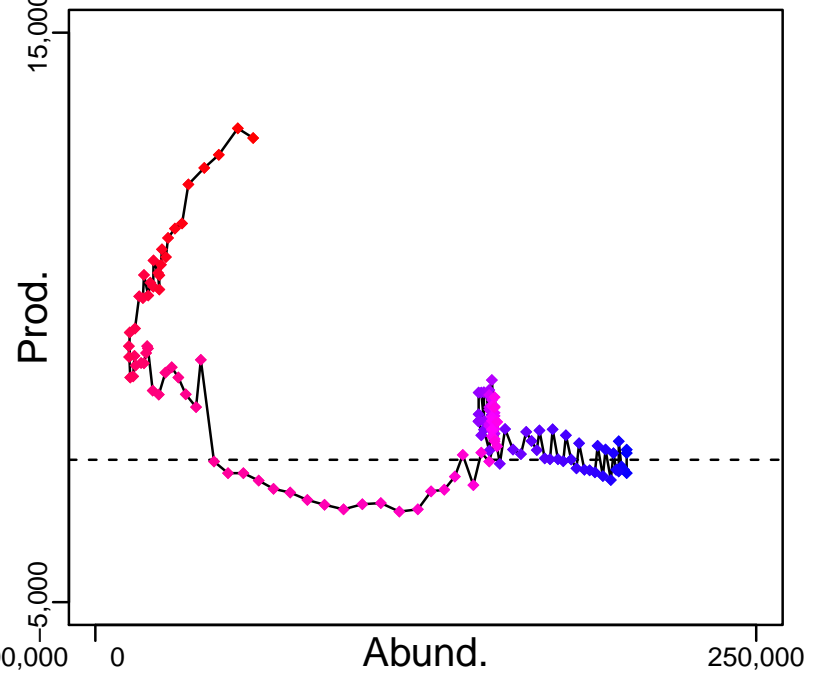
Kobe MGTpref (1872–2013–SISIMP2016)



Spawner Recruit (1872–2013–SISIMP2016)

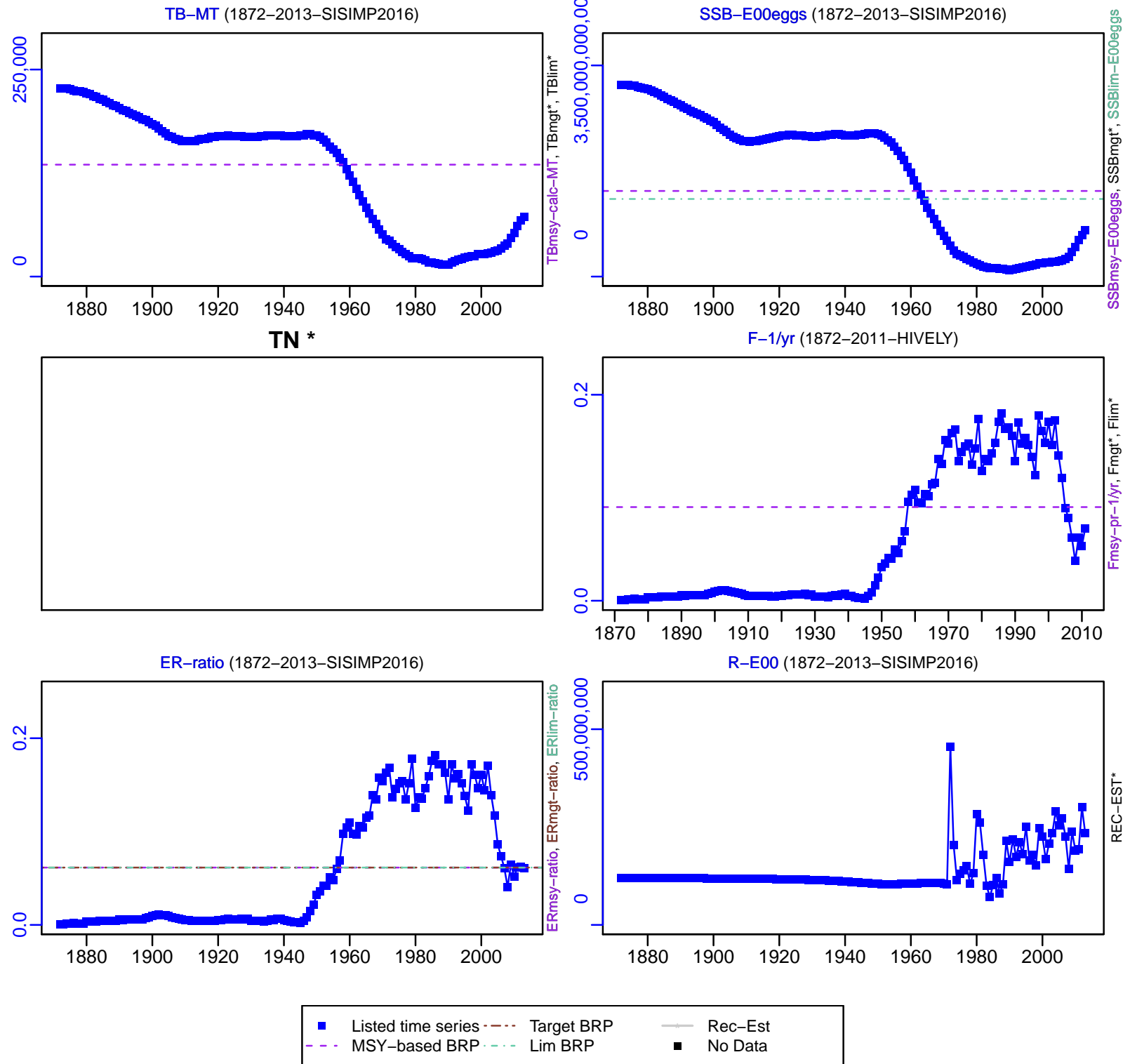


Production (1872–2013–SISIMP2016)



◆ Start Year ◆ End Year * No Data

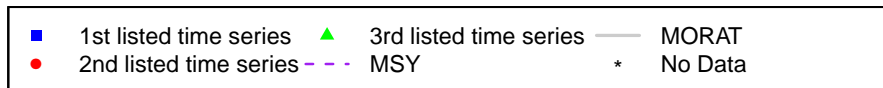
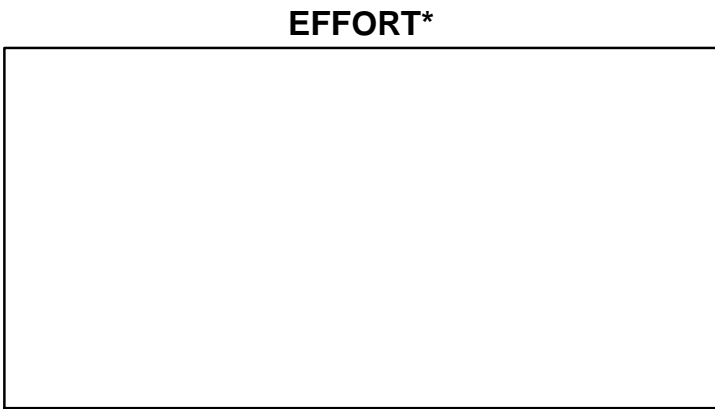
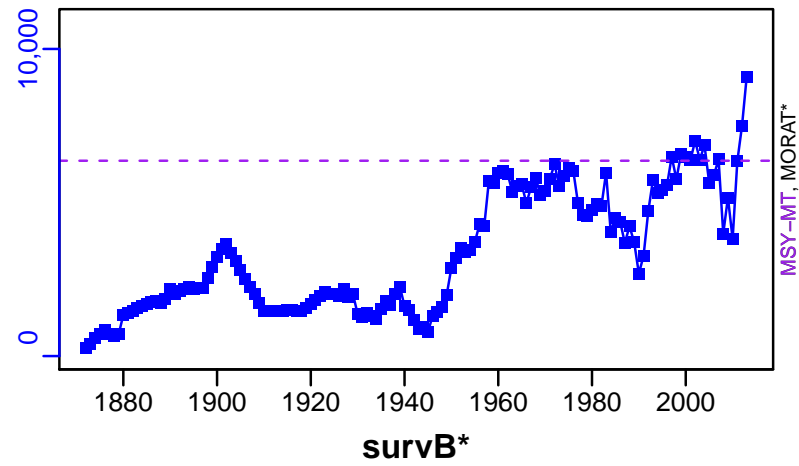
Red snapper Gulf of Mexico [RSNAPGM]



Red snapper Gulf of Mexico [RSNAPGM]

TC-MT, TL*, RecC* (1872-2013-SISIMP2016)

TAC*, Cpair*, Cadv*



Red snapper Southern Atlantic coast [RSNAPSATLC]

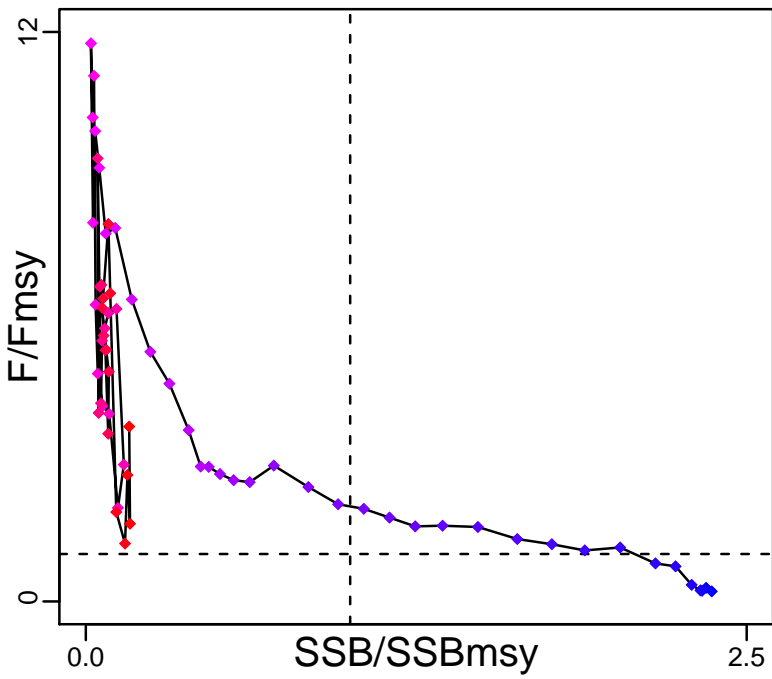
Metadata	
Scientific Name	Lutjanus campechanus
Current Assess ID	SEFSC-RSNAPSATLC-1950-2014-SISIMP2016
Area	Southern Atlantic coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2014, 2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2010	13,632
SSBmsy	SSBmsy-E00eggs	2014	3.29×10^{13}
Fmsy	Fmsy-1/yr	2014	0.15
ERmsy	ERmsy-calc-ratio	2010	0.06
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	195
M	M-1/yr	2010	0.08
TBlim	-	-	-
SSBlim	SSBlim-E00eggs	2014	2.46×10^{13}
Flim	Flim-1/yr	2014	0.15
ERlim	-	-	-

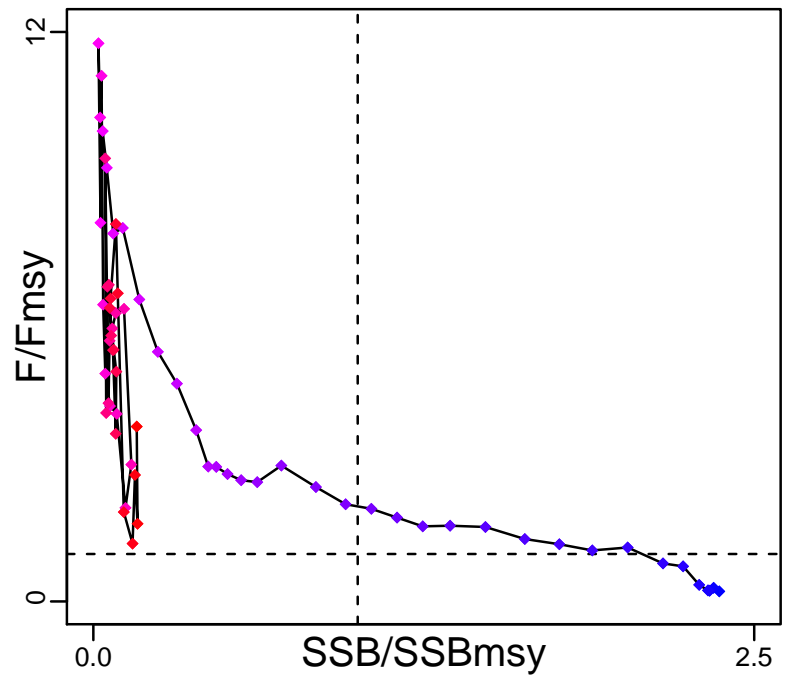
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2010	1430	-	-
SSB	SSB-E00eggs	2014	5.4×10^{12}	Females	-
TN	-	-	-	-	-
R	R-E00	2014	942,000	-	1
F	F-1/yr	2014	0.54	-	-
ER	ER-calc-ratio	2010	0.33	-	-
TC	TC-MT	2014	330		
TL	TL-MT	2010	653		
TB/TBmsy	TB-MT/TBmsy-MT	2010	0.1		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2014	0.16		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	3.68		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2010	5.46		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Red snapper Southern Atlantic coast [RSNAPSATLC]

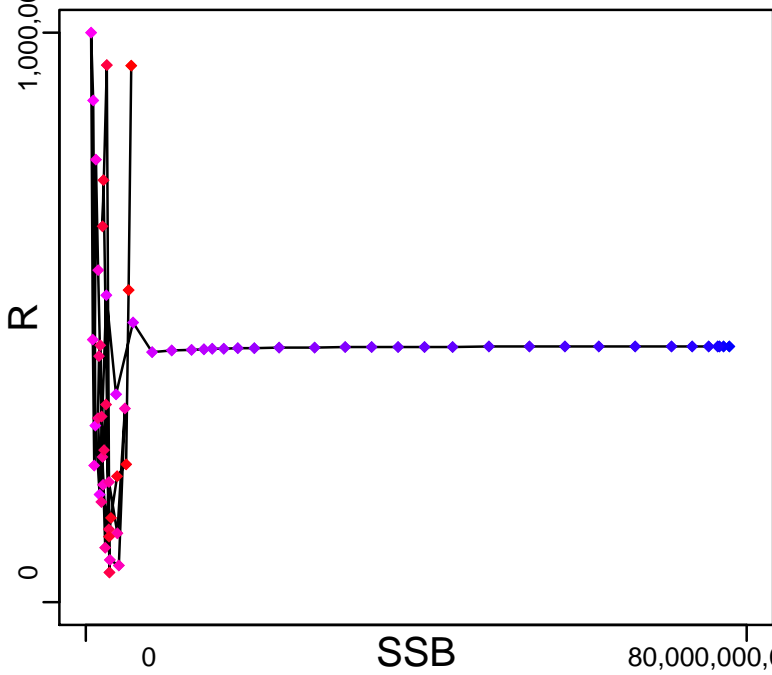
Kobe MSYpref (1950–2014–SISIMP2016)



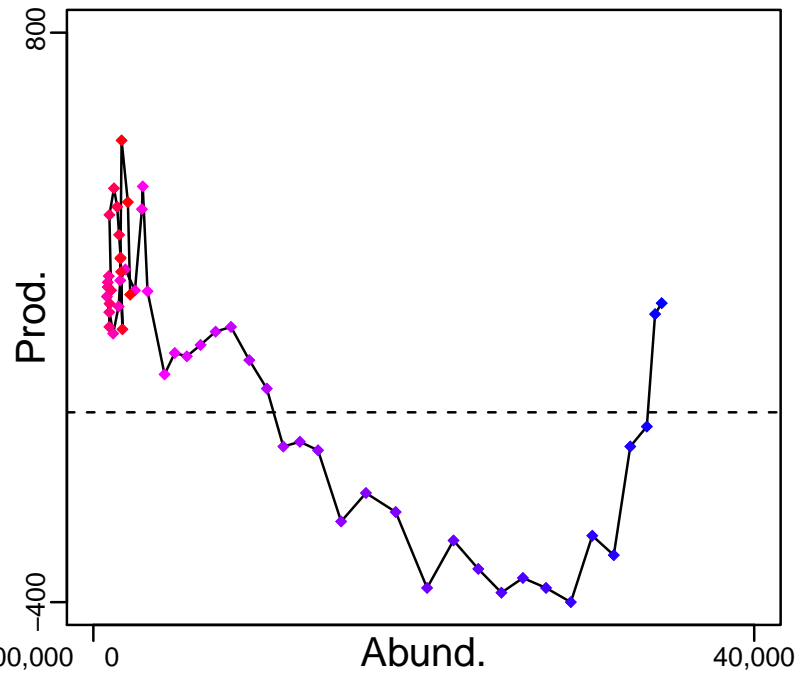
Kobe MGTpref (1950–2014–SISIMP2016)



Spawner Recruit (1950–2014–SISIMP2016)



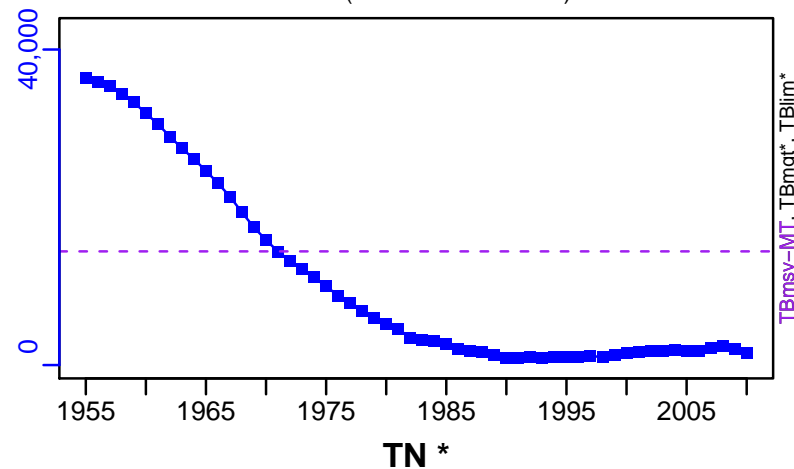
Production (1954–2010–HIVELY)



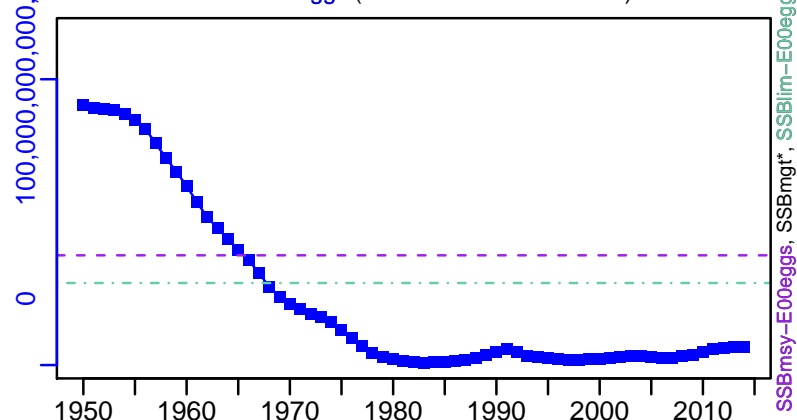
◆ Start Year ◆ End Year * No Data

Red snapper Southern Atlantic coast [RSNAPSATLC]

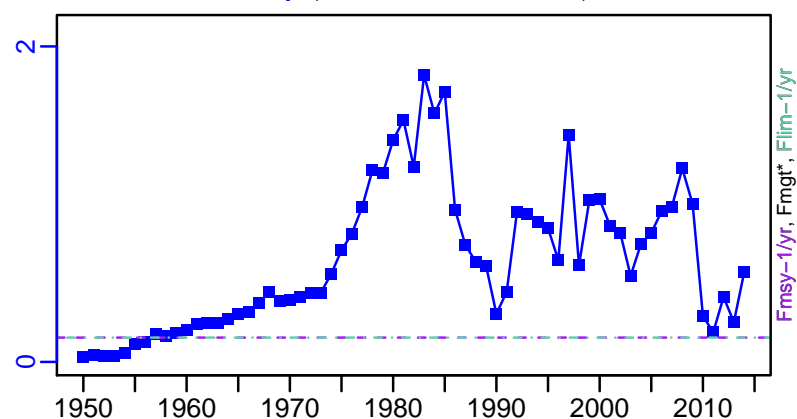
TB-MT (1954-2010-HIVELY)



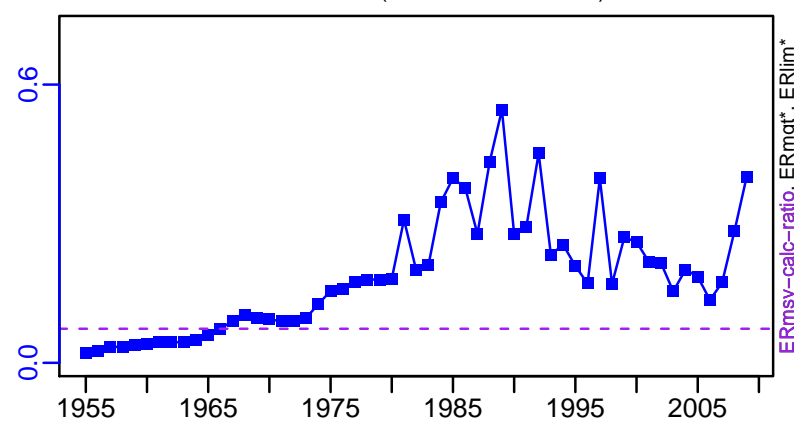
SSB-E00eggs (1950-2014-SISIMP2016)



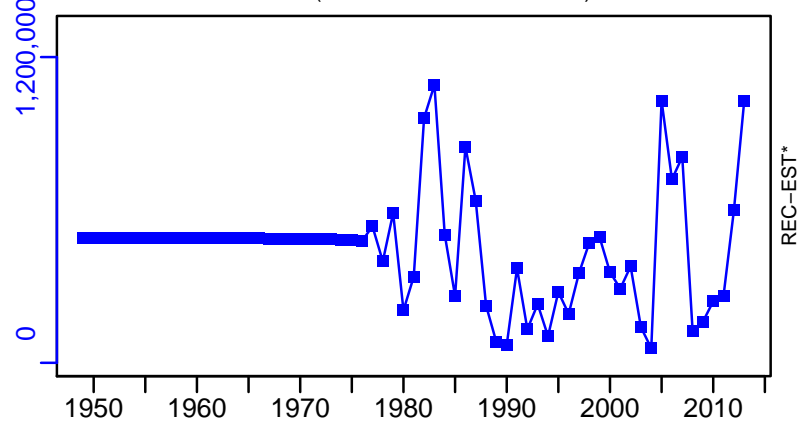
F-1/yr (1950-2014-SISIMP2016)



ER-calc-ratio (1954-2010-HIVELY)

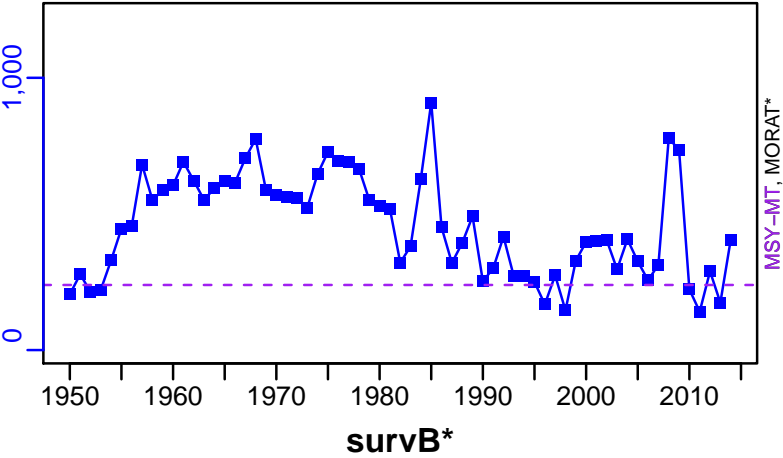


R-E00 (1950-2014-SISIMP2016)



Red snapper Southern Atlantic coast [RSNAPSATLC]

TC-MT, TL*, RecC* (1950-2014-SISIMP2016)



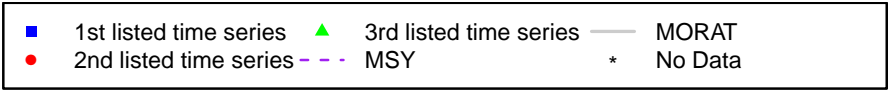
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Sandbar shark Atlantic [SBARSHARATL]

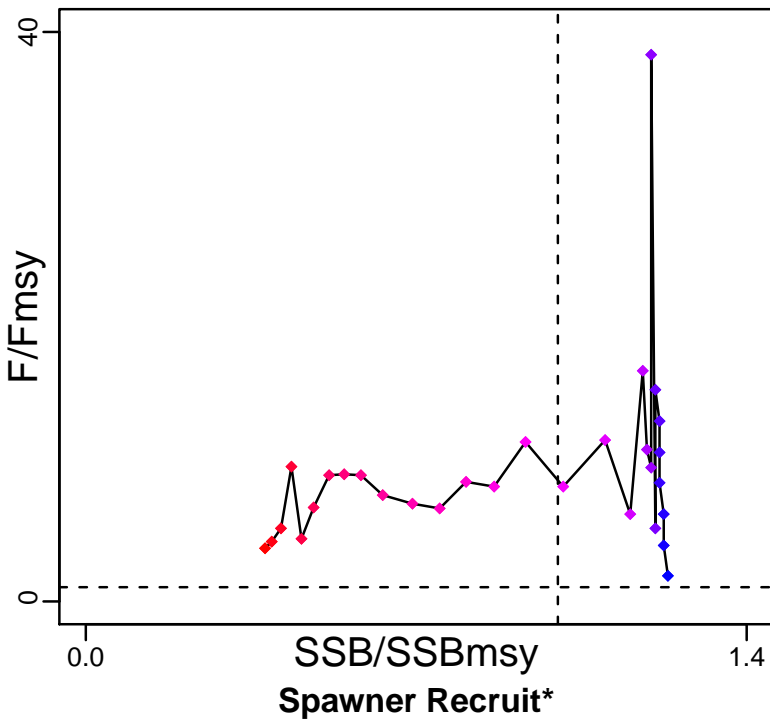
Metadata	
Scientific Name	Carcharhinus plumbeus
Current Assess ID	SEFSC-SBARSHARATL-1960-2009-SISIMP2016
Area	Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2009, 2004

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-E00pups	2009	477,590
Fmsy	Fmsy-1/yr	2009	0.02
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2004	403
M	M-1/yr	2004	0.22
TBlim	-	-	-
SSBlim	SSBlim-E00pups	2009	412,637
Flim	-	-	-
ERlim	-	-	-

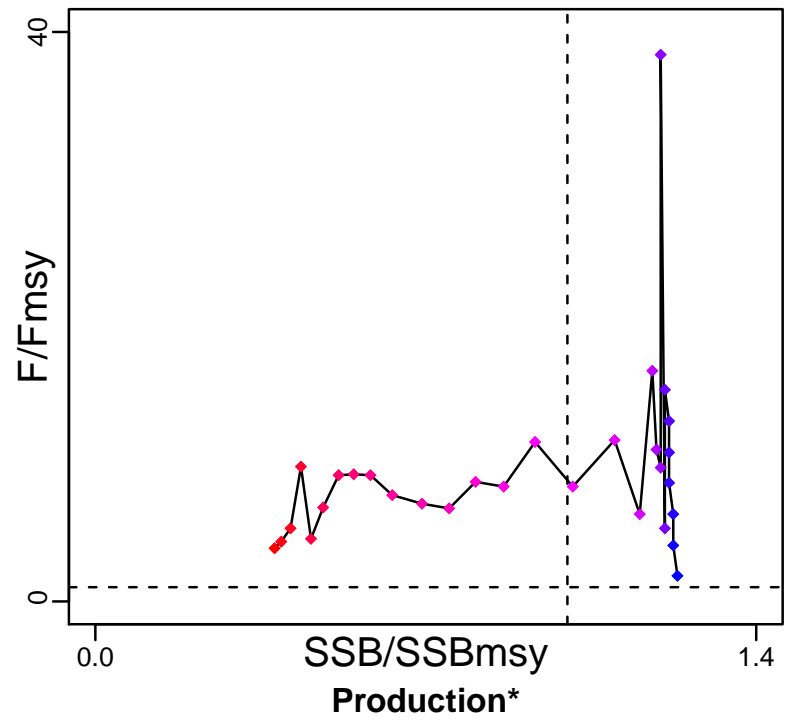
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-E00pups	2009	313,000	-	-
TN	TN-E00	2009	1,540,000	-	-
R	-	-	-	-	-
F	F-1/yr	2009	0.01	-	-
ER	ER-calc-ratio	2009	0.01	-	-
TC	TC-E00	2009	11,400	-	-
TL	-	-	-	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	SSF-E00/SSFmsy-E00	2004	0.38	-	-
F/Fmsy	F-1/yr/Fmsy-1/yr	2009	0.62	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	-	-	-	-	-
ER/ERmgt	-	-	-	-	-

Sandbar shark Atlantic [SBARSHARATL]

Kobe MSYpref (1975–2004–FAUCONNET)



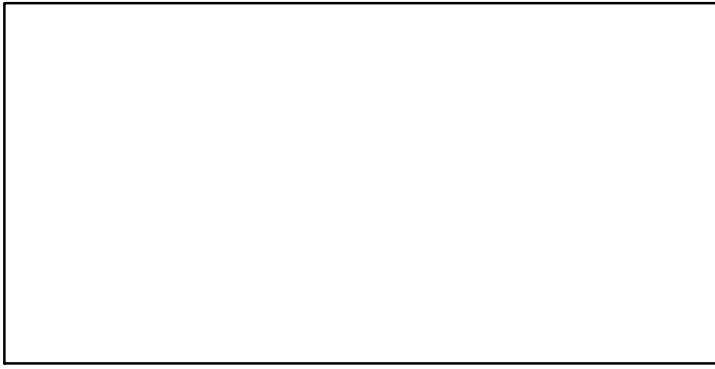
Kobe MGTpref (1975–2004–FAUCONNET)



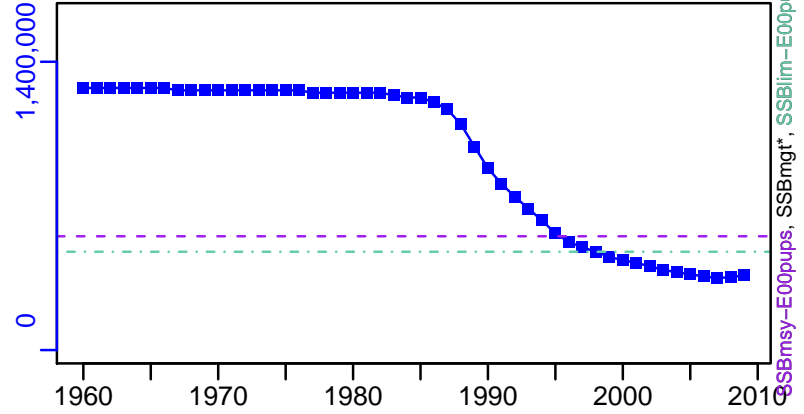
◆ Start Year ◆ End Year * No Data

Sandbar shark Atlantic [SBARSHARATL]

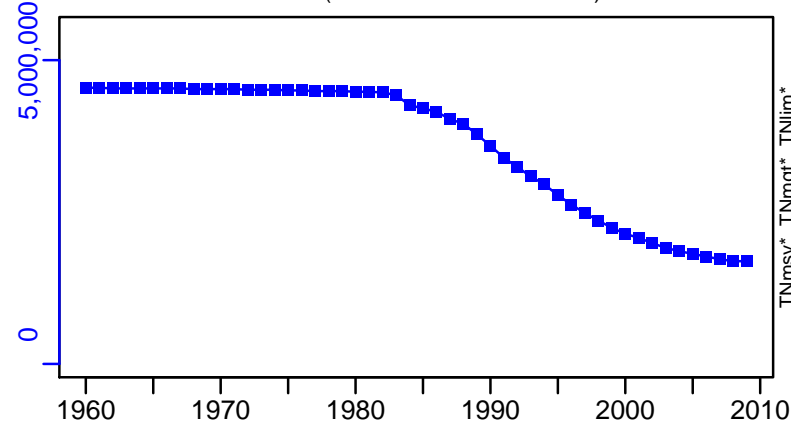
TB*



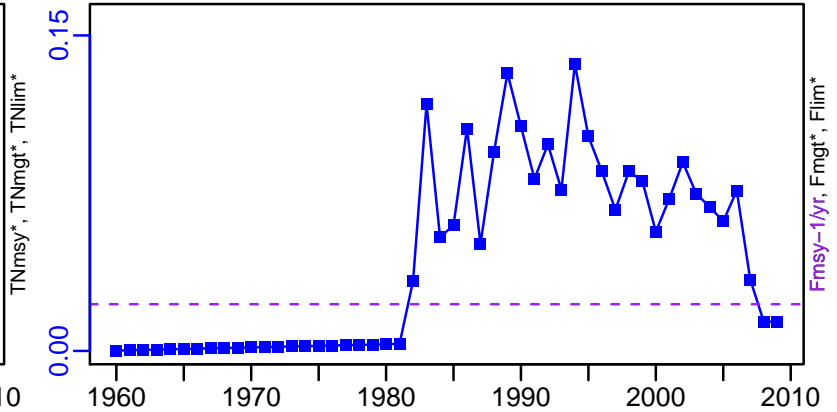
SSB-E00pups (1960-2009-SISIMP2016)



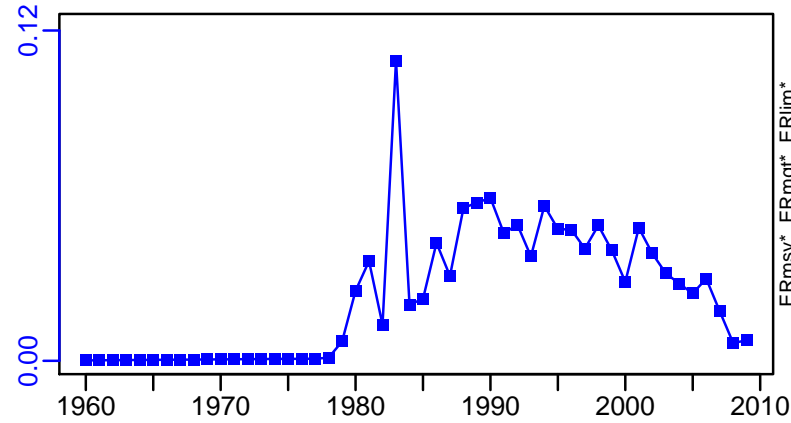
TN-E00 (1960-2009-SISIMP2016)



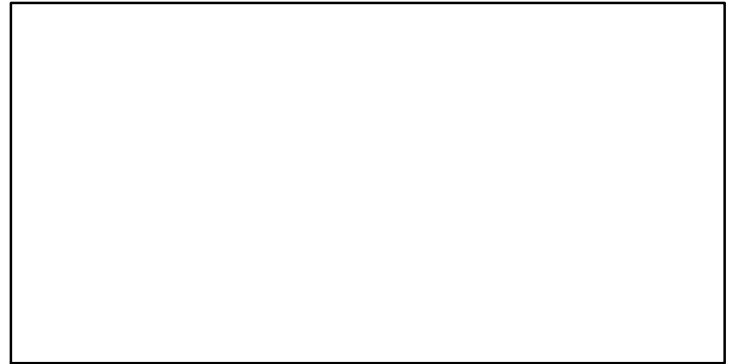
F-1/yr (1960-2009-SISIMP2016)



ER-calc-ratio (1960-2009-SISIMP2016)



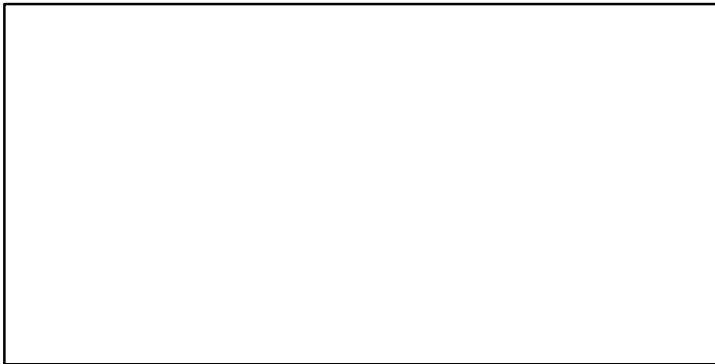
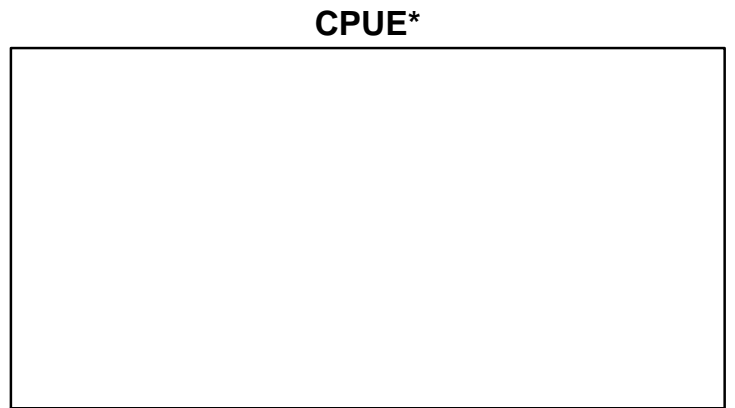
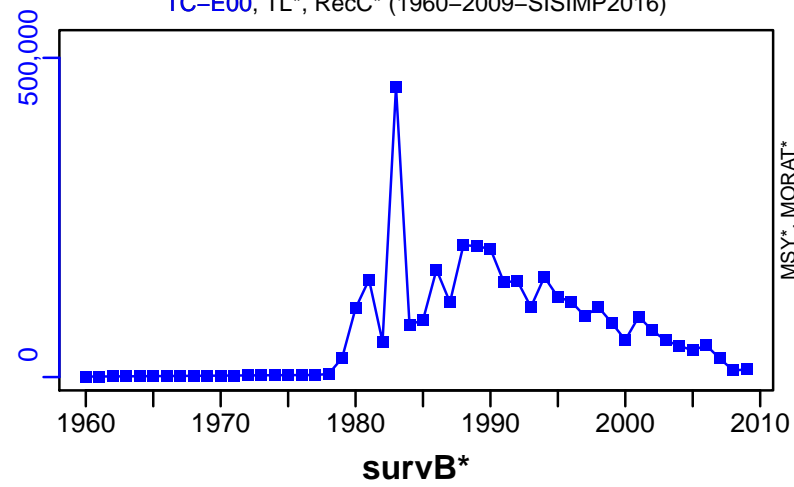
Recruits*



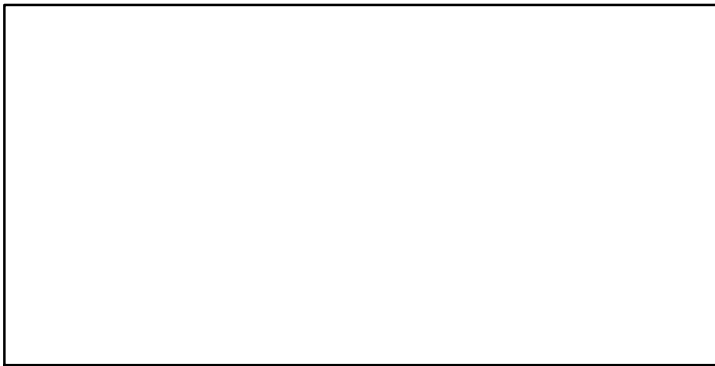
Sandbar shark Atlantic [SBARSHARATL]

TC-E00, TL*, RecC* (1960–2009–SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Silk snapper Caribbean [SKSNAPCARIB]

Metadata	
Scientific Name	Lutjanus vivanus
Current Assess ID	SEFSC-SKSNAPCARIB-1983-2009-SISIMP2016
Area	Caribbean
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2009	38		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Silk snapper Caribbean [SKSNAPCARIB]

TB*



SSB*



TN *



F*



ER*



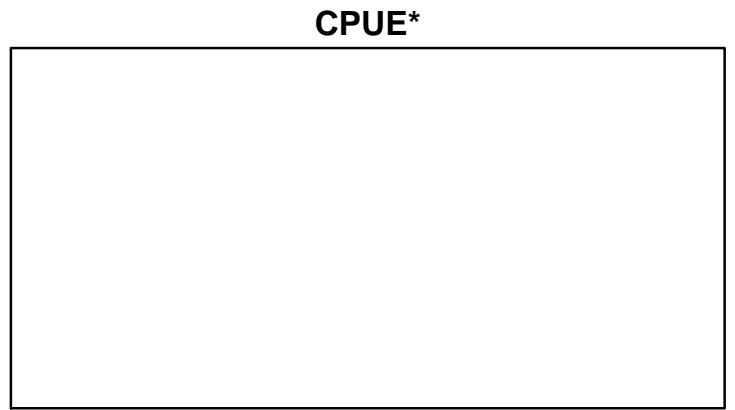
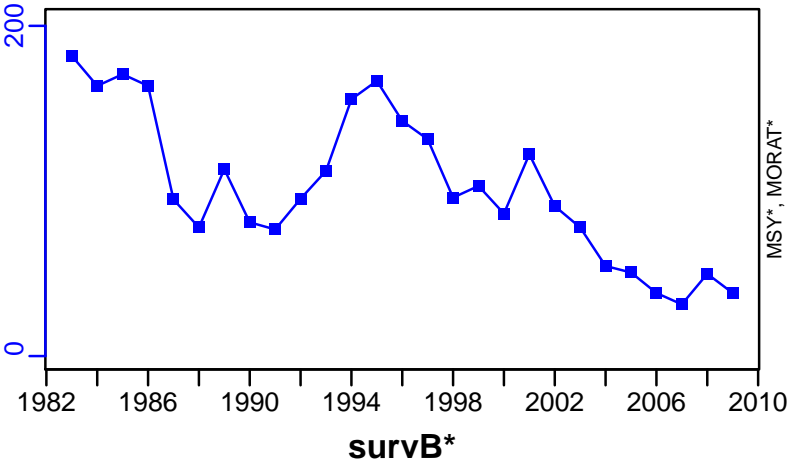
Recruits*



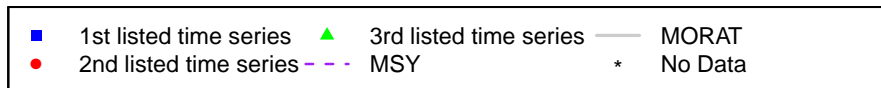
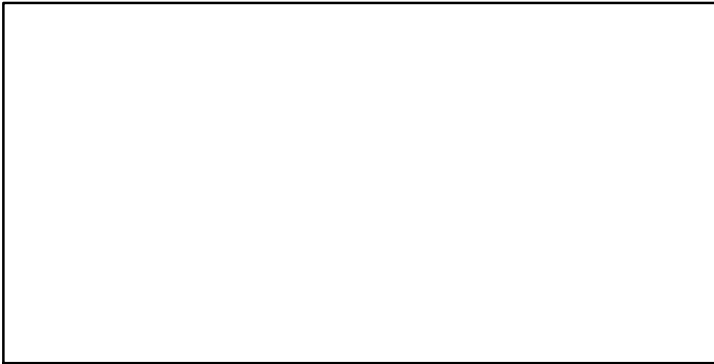
Silk snapper Caribbean [SKSNAPCARIB]

TC-MT, TL*, RecC* (1983-2009-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Atlantic sharpnose shark Atlantic [SNOSESHARATL]

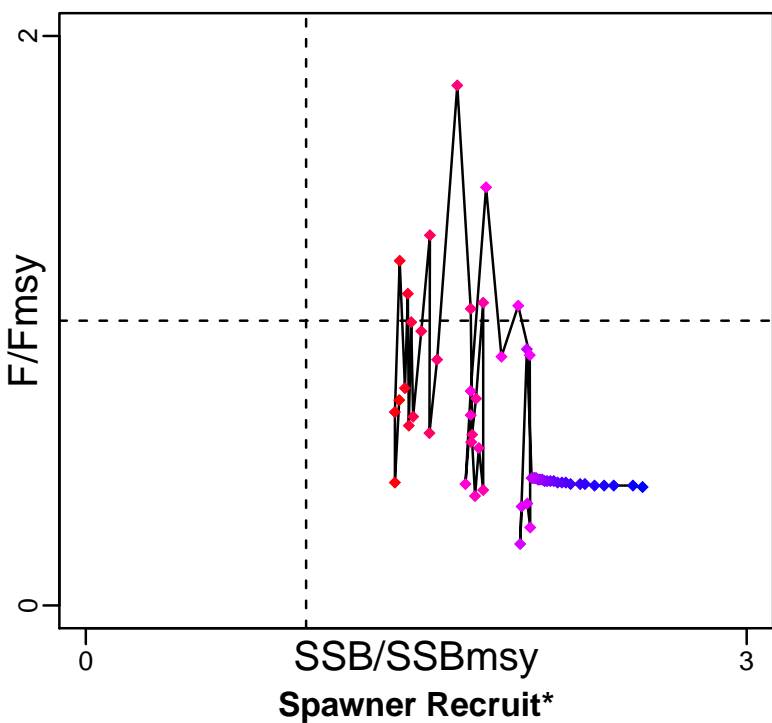
Metadata	
Scientific Name	Rhizoprionodon terraenovae
Current Assess ID	SEFSC-SNOSESHARATL-1950-2005-FAUCONNET
Area	Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2005

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSFmsy-E00	2005	4,590,000
Fmsy	Fmsy-1/yr	2005	0.19
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2005	1270
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

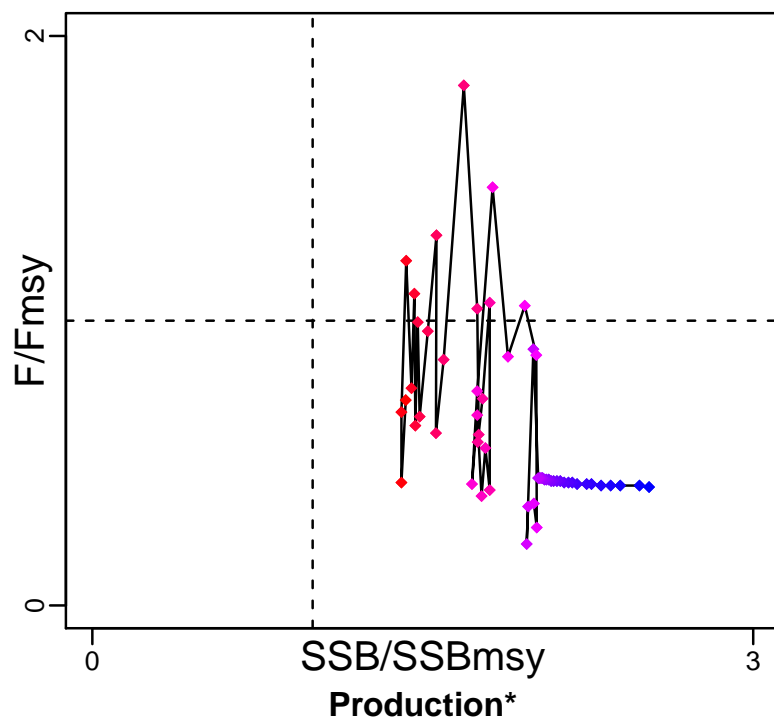
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSF-E00	2005	6,530,000	Females	2.5
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2005	0.14	-	-
ER	-	-	-	-	-
TC	TC-E00	2005	534,000		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSF-E00/SSFmsy-E00	2005	1.42		
F/Fmsy	F-1/yr/Fmsy-1/yr	2005	0.72		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Atlantic sharpnose shark Atlantic [SNOSESHARATL]

Kobe MSYpref (1950–2005–FAUCCONNET)



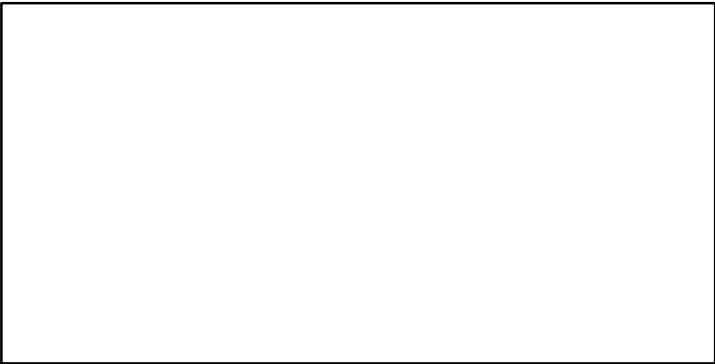
Kobe MGTpref (1950–2005–FAUCCONNET)



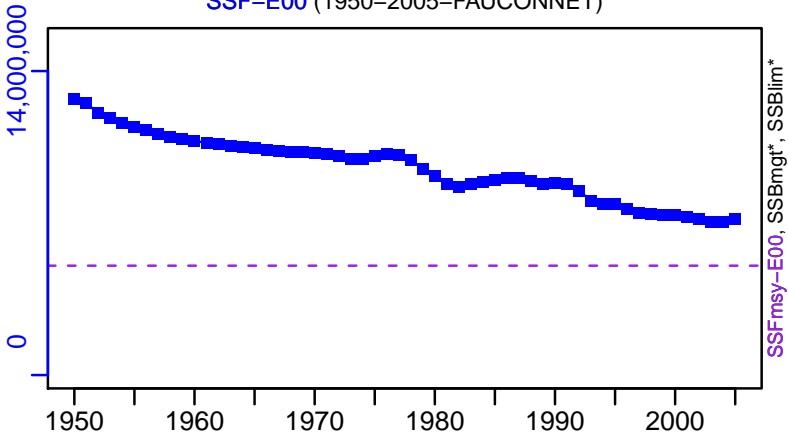
◆ Start Year ◆ End Year * No Data

Atlantic sharpnose shark Atlantic [SNOSESHARATL]

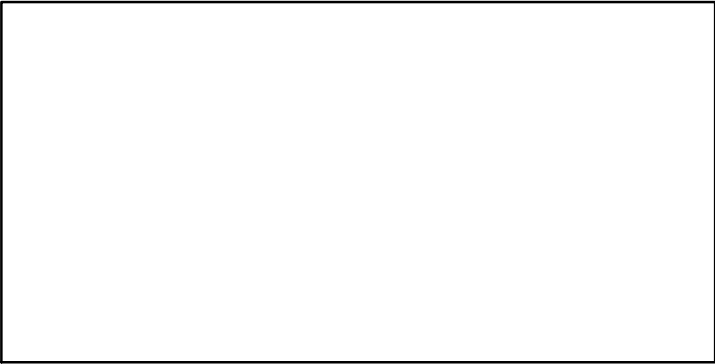
TB*



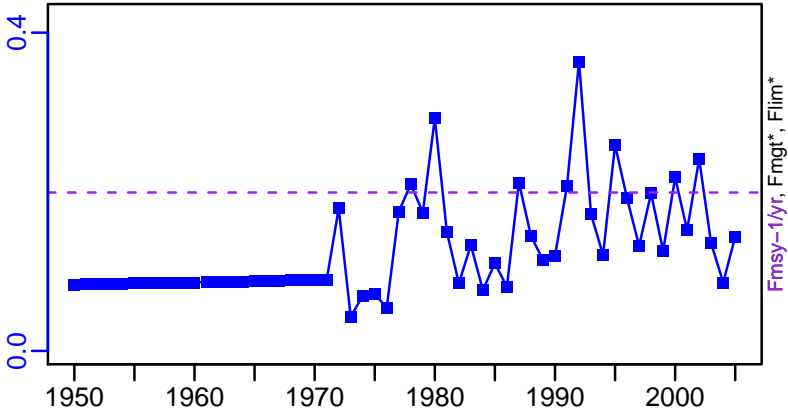
SSF-E00 (1950-2005-FAUCONNET)



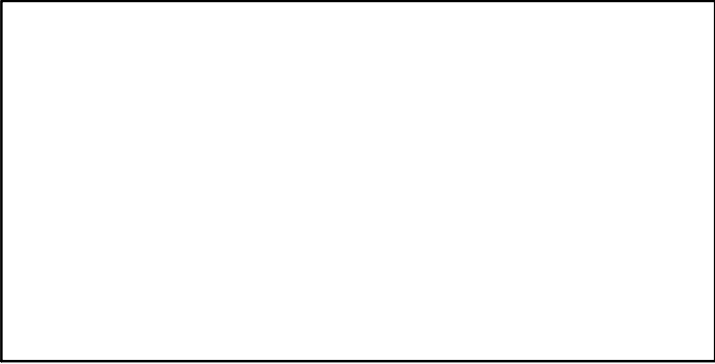
TN *



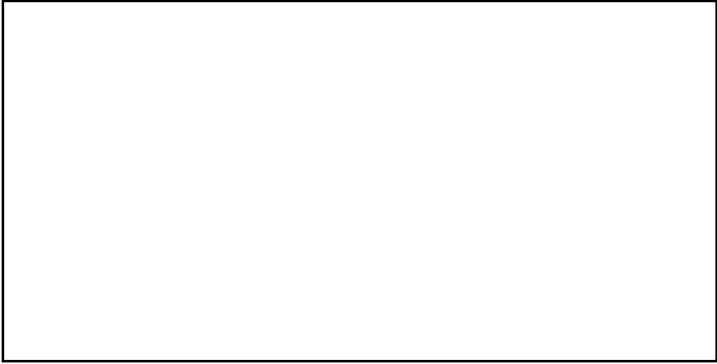
F-1/yr (1950-2005-FAUCONNET)



ER*

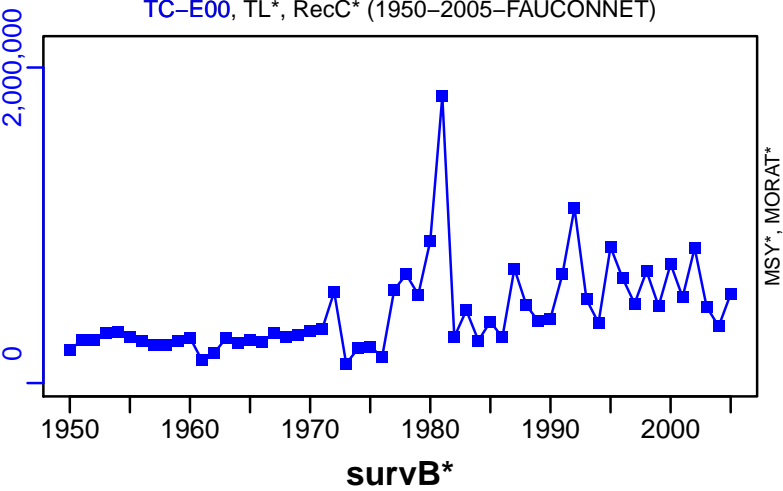


Recruits*



Atlantic sharpnose shark Atlantic [SNOSESHARATL]

TC-E00, TL*, RecC* (1950–2005–FAUCONNET)



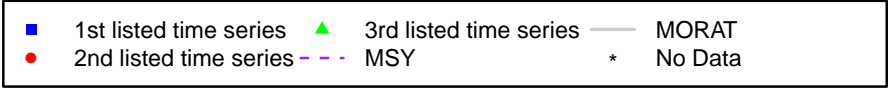
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Snowy grouper Southern Atlantic coast [SNOWGROUPSATLC]

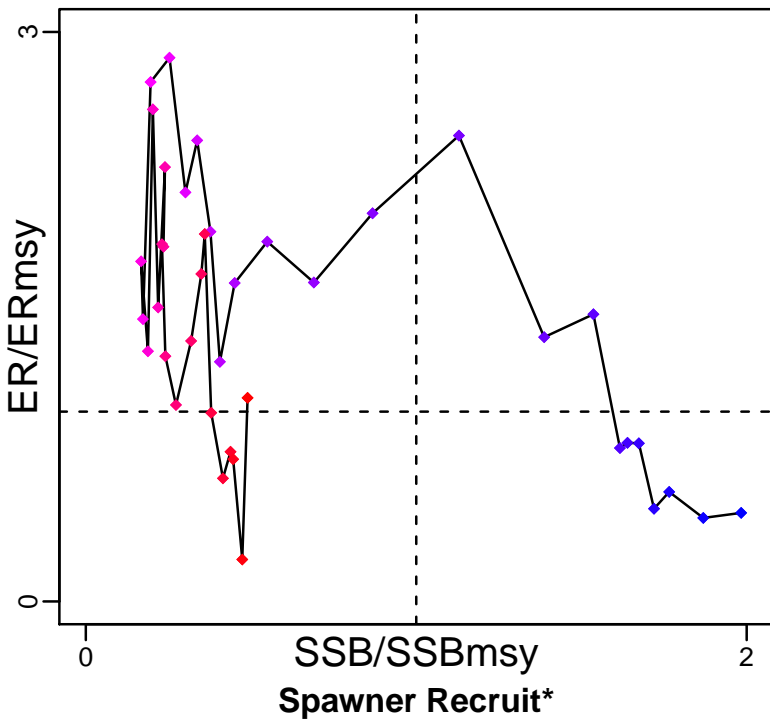
Metadata	
Scientific Name	Epinephelus niveatus
Current Assess ID	SEFSC-SNOWGROUPSATLC-1974-2013-HIVELY
Area	Southern Atlantic coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2013	2092
SSBmsy	SSBmsy-MT	2013	872
Fmsy	Fmsy-1/yr	2013	0.14
ERmsy	ERmsy-calc-ratio	2013	0.09
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2013	190
M	M-1/yr	2013	0.15
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

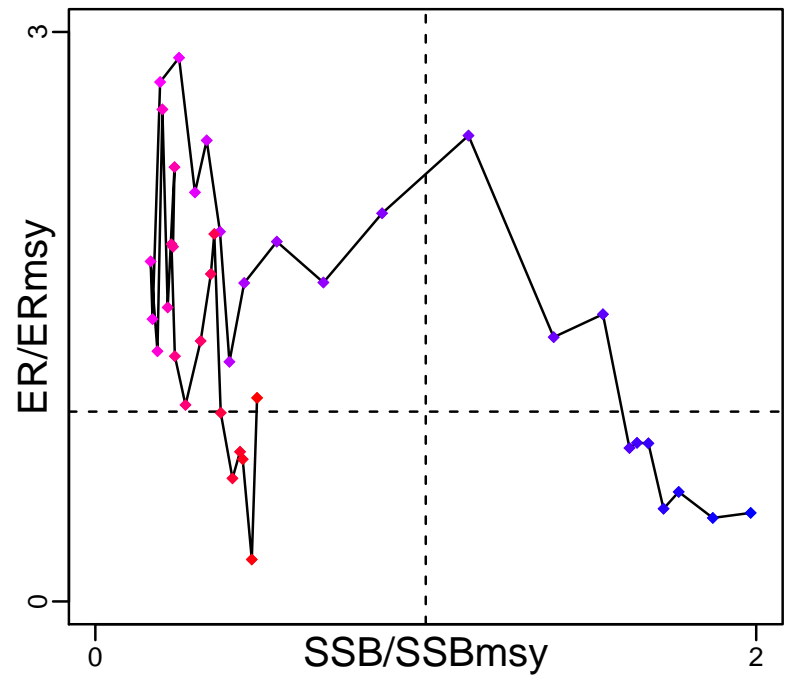
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2013	1200	-	-
SSB	SSB-MT	2013	427	Both	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2013	0.18	-	-
ER	ER-calc-ratio	2013	0.1	-	-
TC	-	-	-		
TL	TL-MT	2013	110		
TB/TBmsy	TB-MT/TBmsy-MT	2013	0.57		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2013	0.49		
F/Fmsy	F-1/yr/Fmsy-1/yr	2013	1.29		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2013	1.07		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Snowy grouper Southern Atlantic coast [SNOWGROUPSATLC]

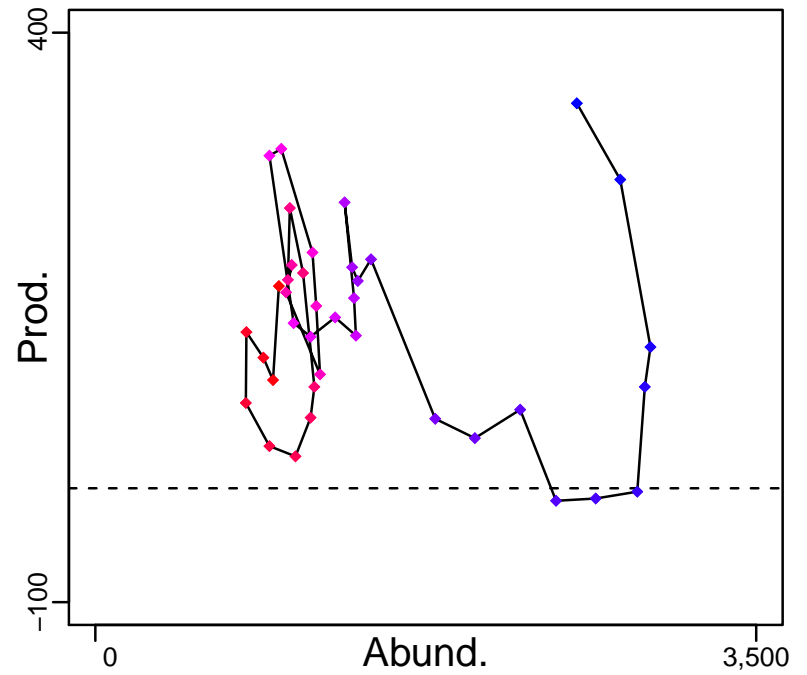
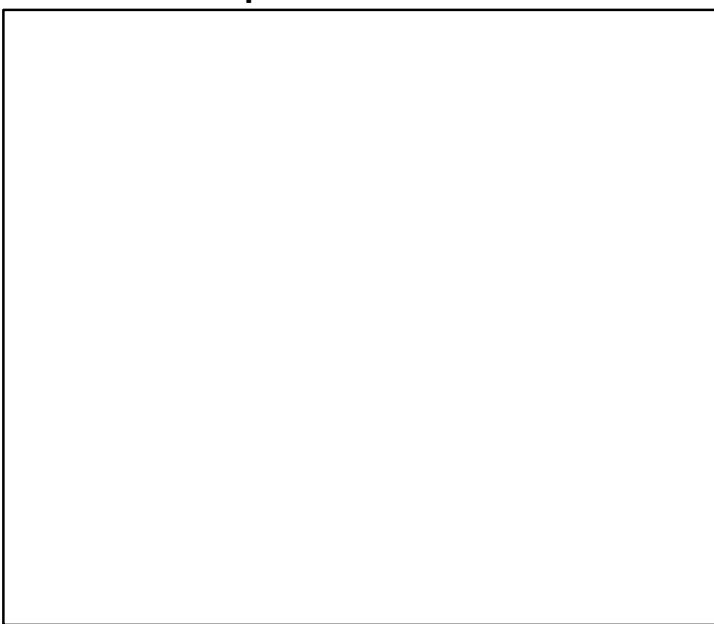
Kobe MSYpref (1974–2013–HIVELY)



Kobe MGTpref (1974–2013–HIVELY)



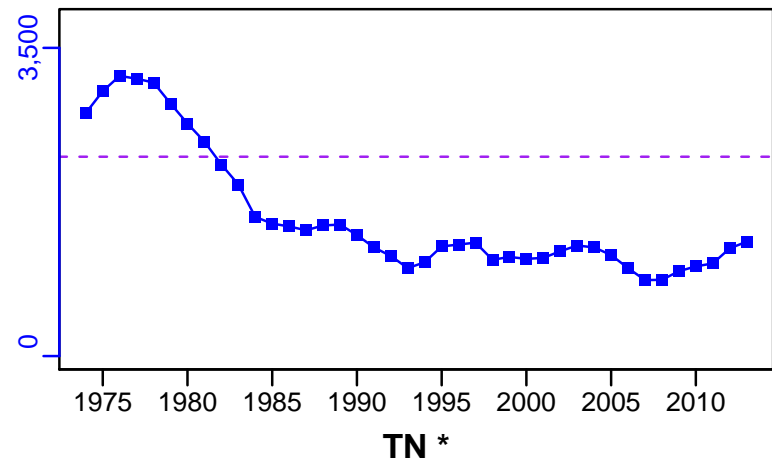
Production (1974–2013–HIVELY)



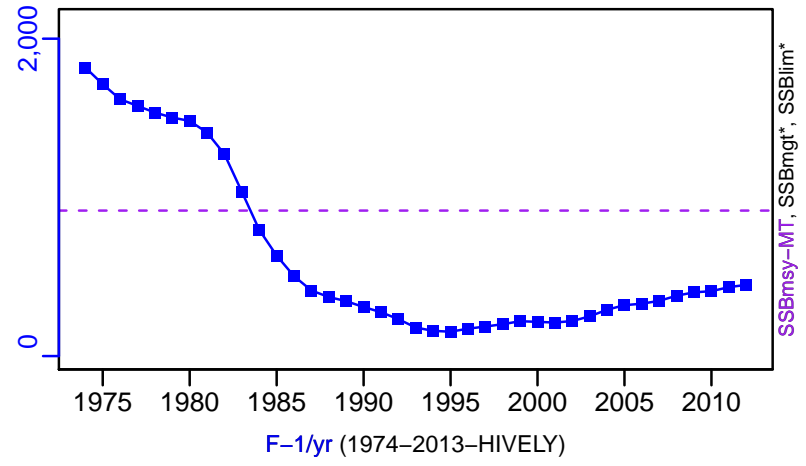
◆ Start Year ◆ End Year * No Data

Snowy grouper Southern Atlantic coast [SNOWGROUPSATLC]

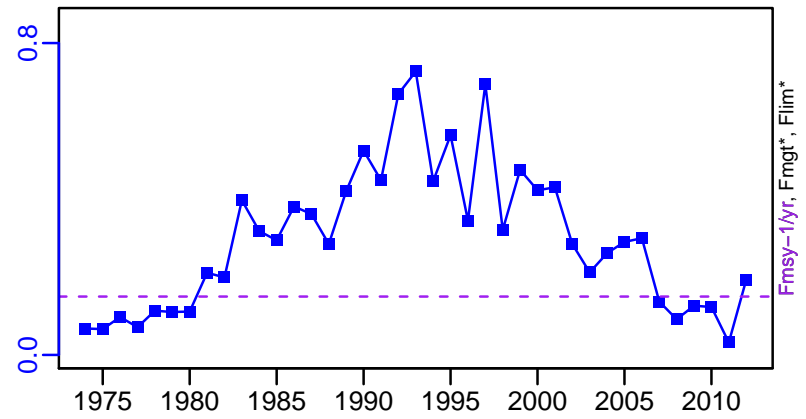
TB-MT (1974-2013-HIVELY)



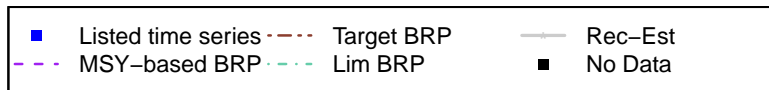
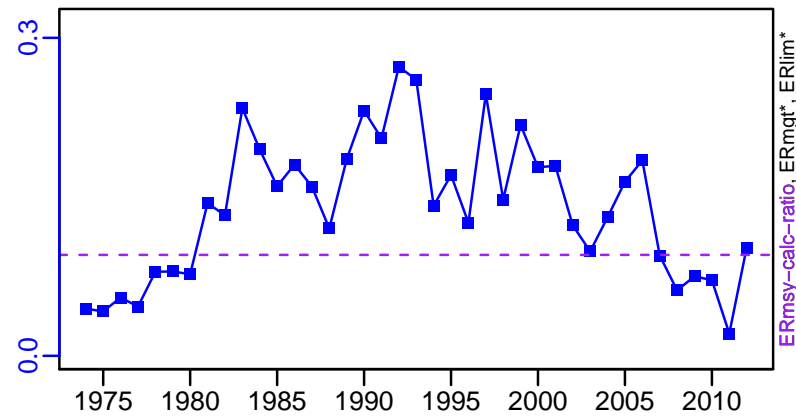
SSB-MT (1974-2013-HIVELY)



F-1/yr (1974-2013-HIVELY)



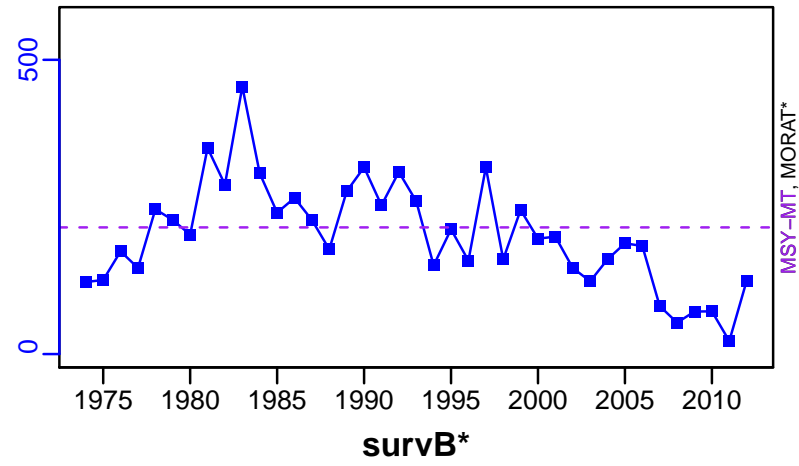
ER-calc-ratio (1974-2013-HIVELY)



Snowy grouper Southern Atlantic coast [SNOWGROUPSATLC]

TL-MT, TC*, RecC* (1974-2013-HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*



Spanish mackerel Gulf of Mexico [SPANMACKGM]

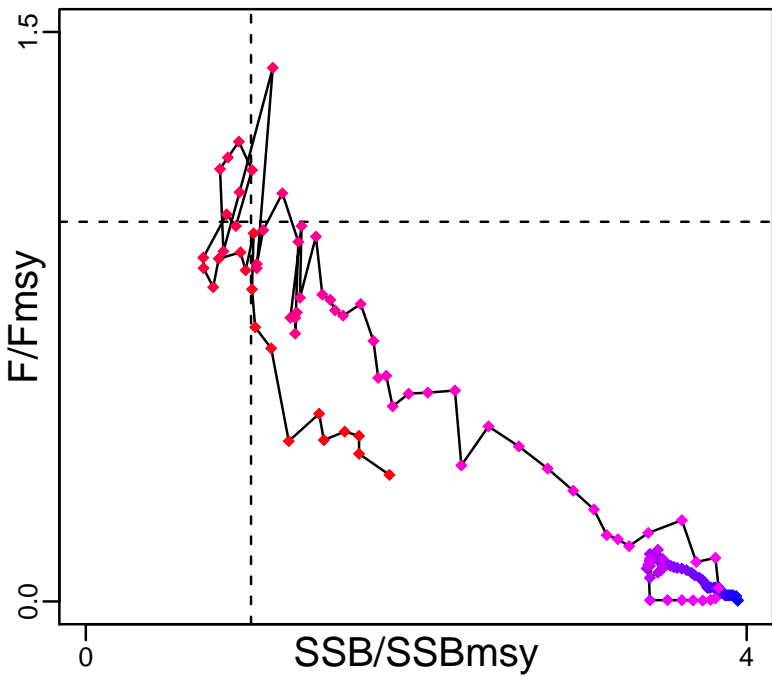
Metadata	
Scientific Name	Scomberomorus maculatus
Current Assess ID	SEFSC-SPANMACKGM-1886-2011-HIVELY
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-pr-MT	2011	10,339
Fmsy	Fmsy-pr-1/yr	2011	0.36
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

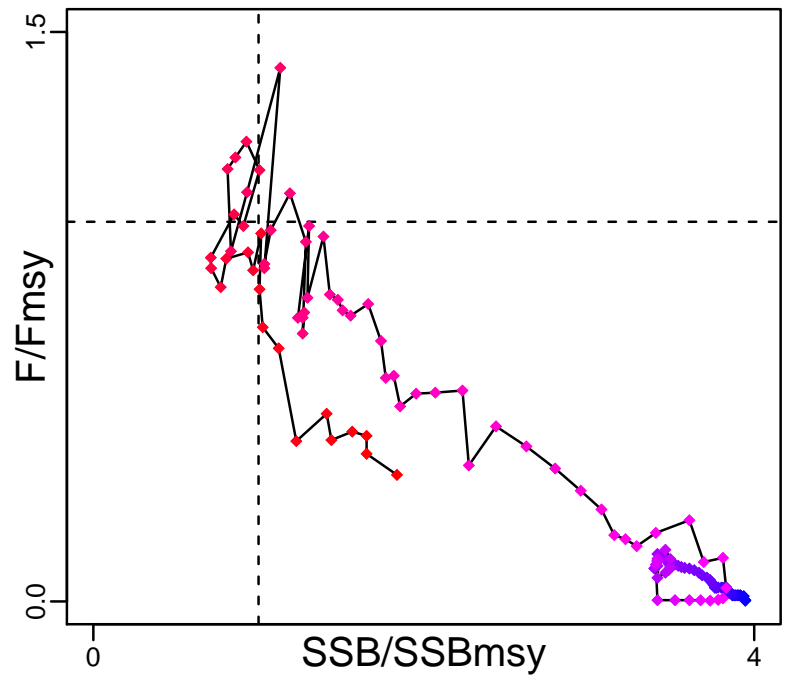
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	28,400	-	-
SSB	SSB-MT	2011	19,000	-	0.2+
TN	-	-	-	-	-
R	R-E00	2011	31,500,000	-	-
F	F-1/yr	2011	0.12	-	-
ER	ER-calc-ratio	2011	0.02	-	-
TC	-	-	-		
TL	TL-MT	2011	567		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2011	1.84		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2011	0.33		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Spanish mackerel Gulf of Mexico [SPANMACKGM]

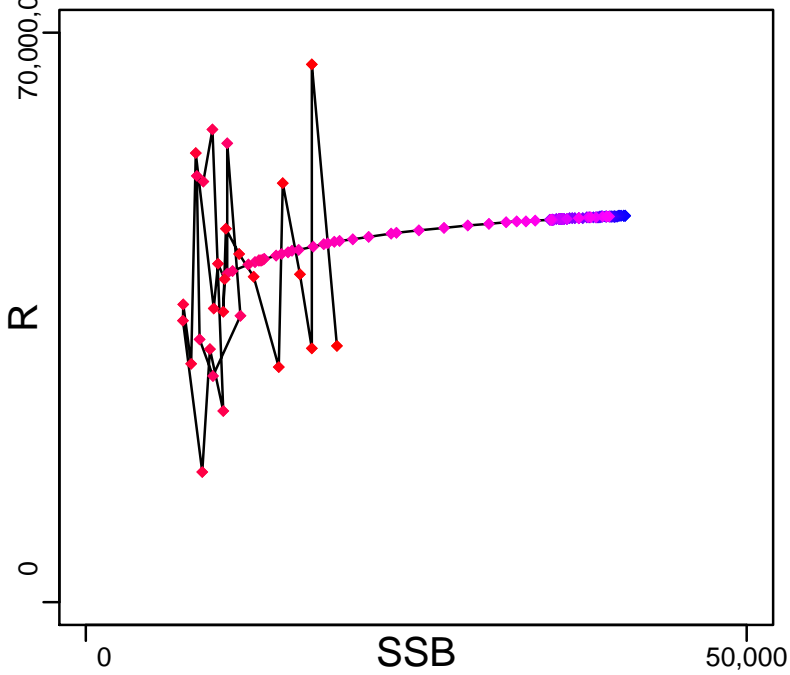
Kobe MSYpref (1886–2011–HIVELY)



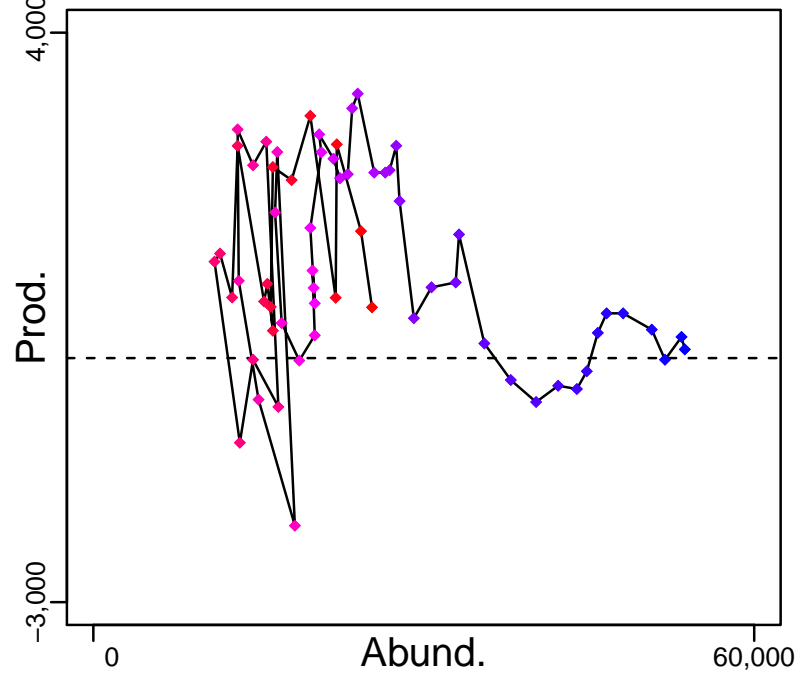
Kobe MGTpref (1886–2011–HIVELY)



Spawner Recruit (1886–2011–HIVELY)



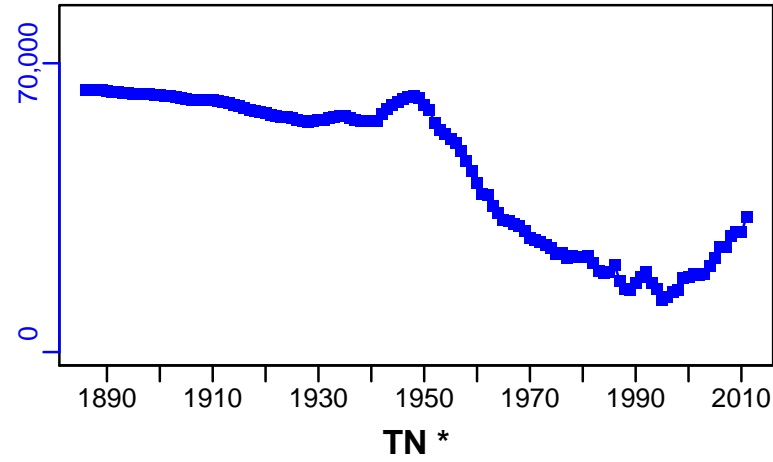
Production (1886–2011–HIVELY)



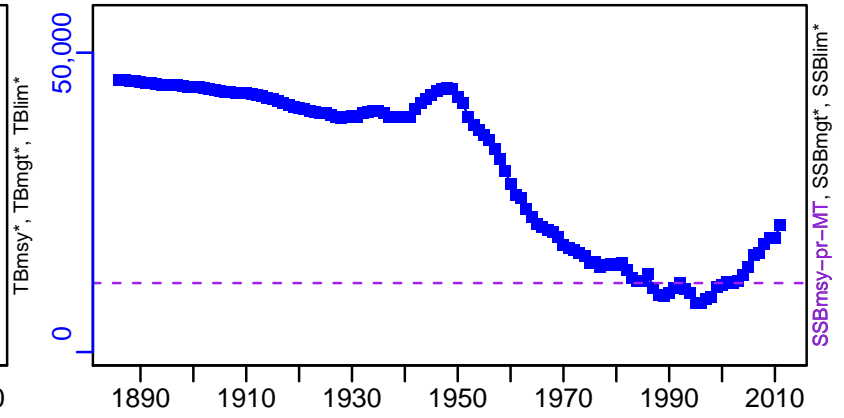
◆ Start Year ◆ End Year * No Data

Spanish mackerel Gulf of Mexico [SPANMACKGM]

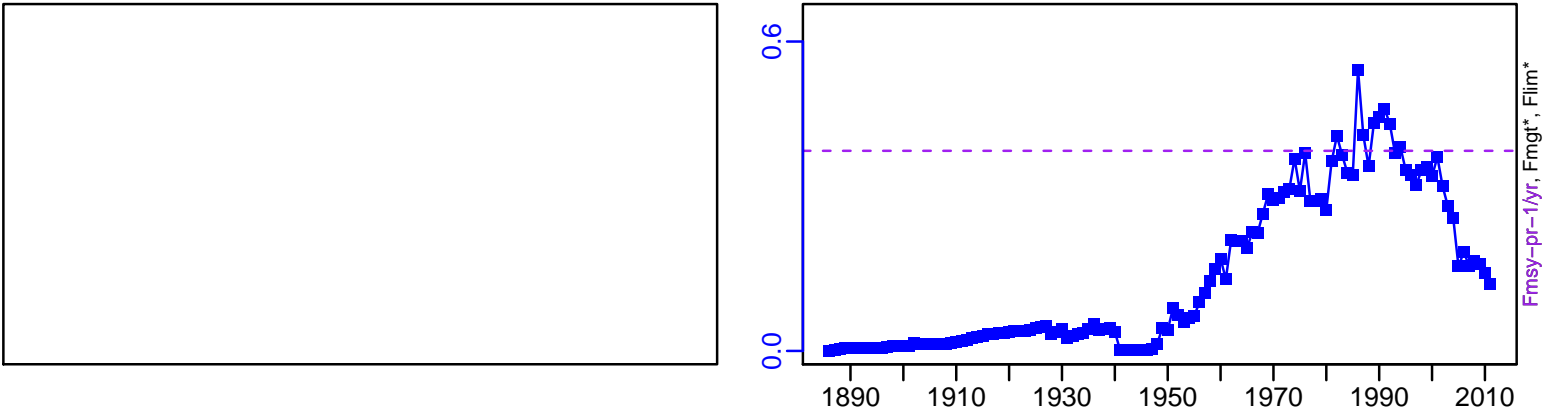
TB-MT (1886–2011–HIVELY)



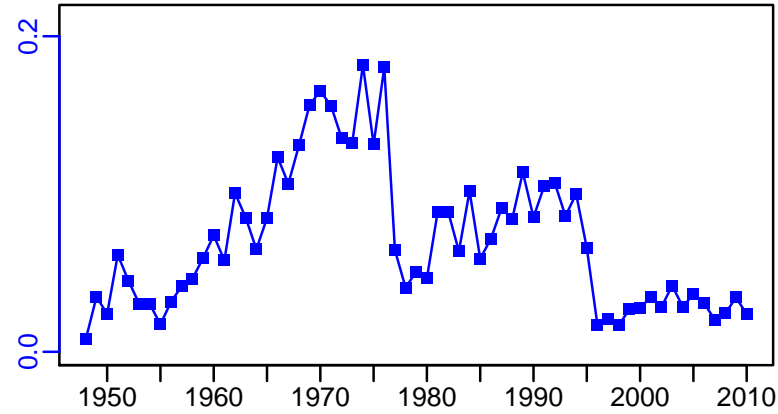
SSB-MT (1886–2011–HIVELY)



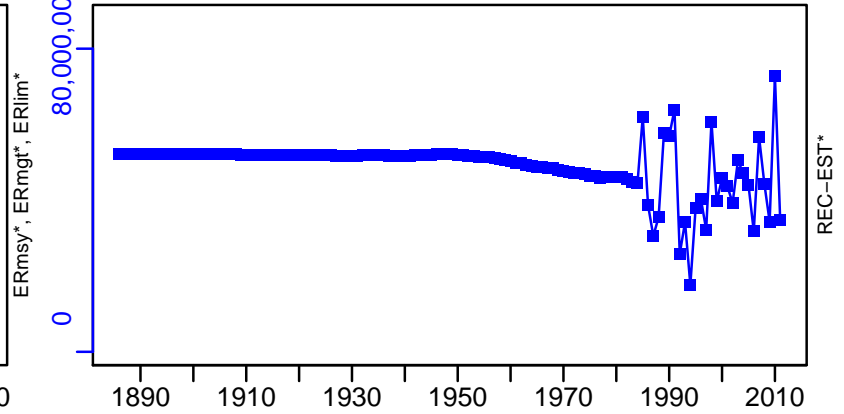
F-1/yr (1886–2011–HIVELY)



ER-calc-ratio (1886–2011–HIVELY)

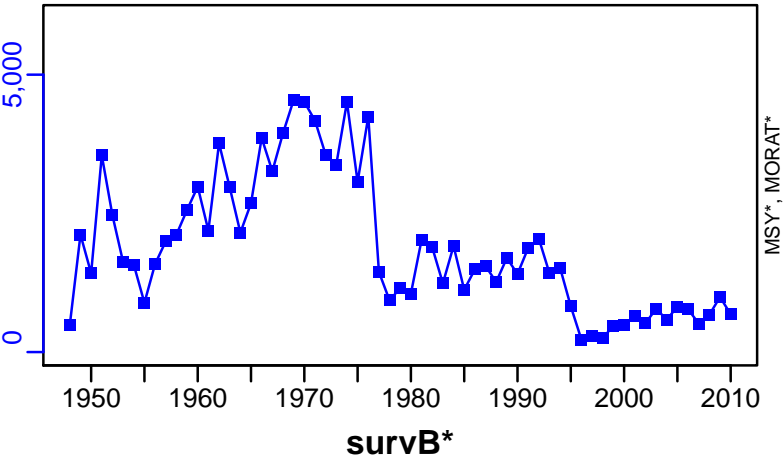


R-E00 (1886–2011–HIVELY)



Spanish mackerel Gulf of Mexico [SPANMACKGM]

TL-MT, TC*, RecC* (1886-2011-HIVELY)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Spanish mackerel Southern Atlantic Coast [SPANMACKSATLC]

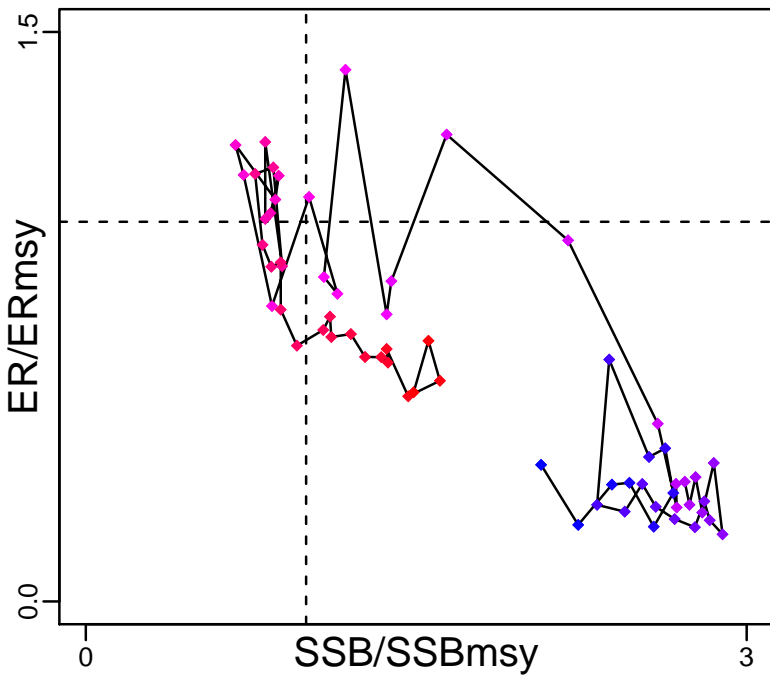
Metadata	
Scientific Name	Scomberomorus maculatus
Current Assess ID	SEFSC-SPANMACKSATLC-1950-2012-HIVELY
Area	Southern Atlantic coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2012	9548
SSBmsy	SSBmsy-MT	2012	3266
Fmsy	Fmsy-pr-1/yr	2012	0.69
ERmsy	ERmsy-calc-ratio	2012	0.29
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2012	3266
Fmgt	Fmgt-1/yr	2012	0.52
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2012	2750
M	M-1/yr	2012	0.35
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

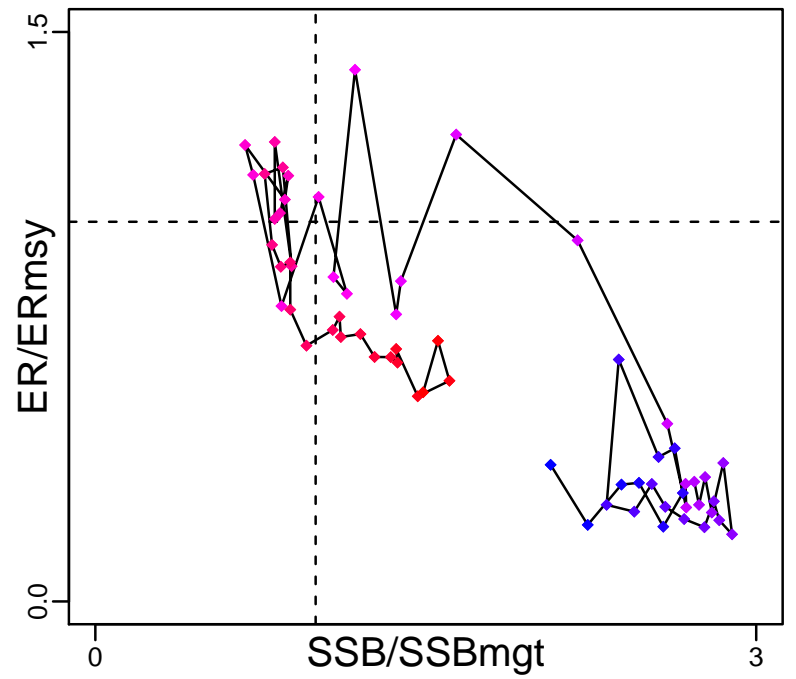
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2012	11,400	-	-
SSB	SSB-MT	2012	4860	Females	0.7+
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2012	0.36	-	-
ER	ER-calc-ratio	2012	0.16	-	-
TC	-	-	-		
TL	TL-MT	2012	1920		
TB/TBmsy	TB-MT/TBmsy-MT	2012	1.19		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2012	1.49		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2012	0.52		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2012	0.55		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2012	1.49		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	0.7		
ER/ERmgt	-	-	-		

Spanish mackerel Southern Atlantic Coast [SPANMACKSATLC]

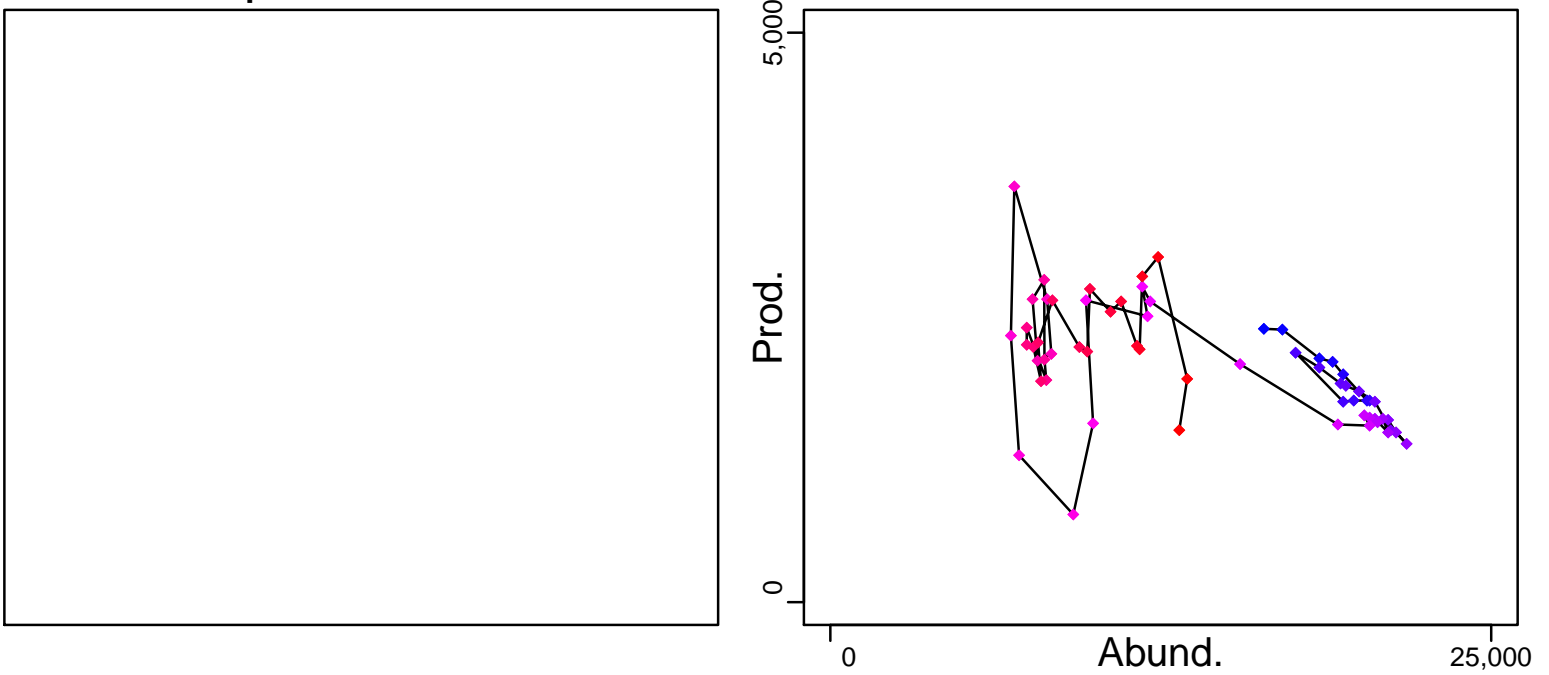
Kobe MSYpref (1950–2012–HIVELY)



Kobe MGTpref (1950–2012–HIVELY)



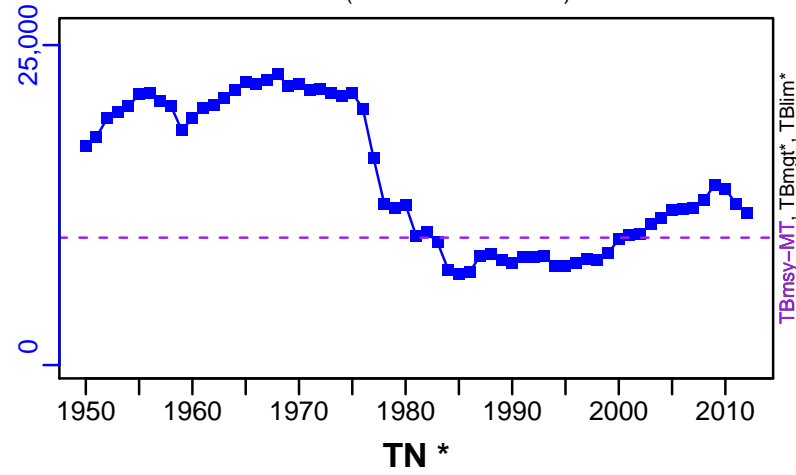
Production (1950–2012–HIVELY)



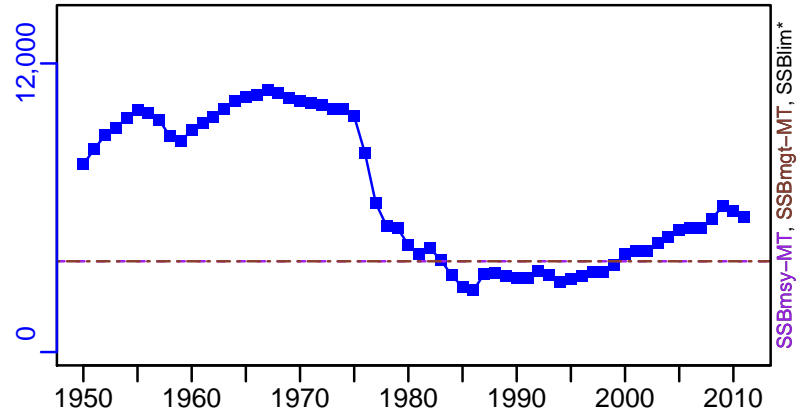
◆ Start Year ◆ End Year * No Data

Spanish mackerel Southern Atlantic Coast [SPANMACKSATLC]

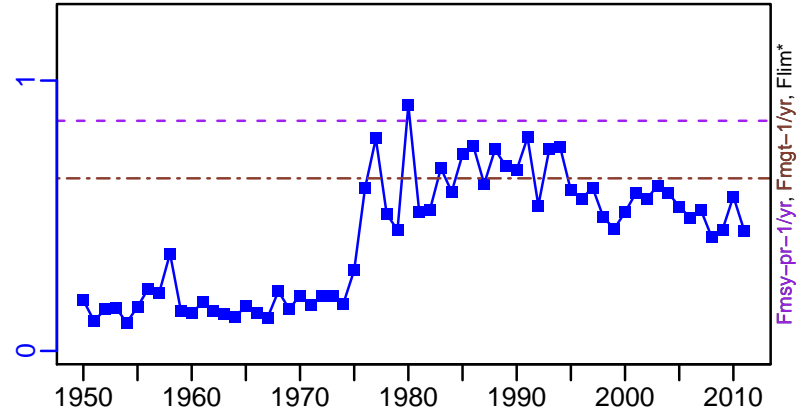
TB-MT (1950-2012-HIVELY)



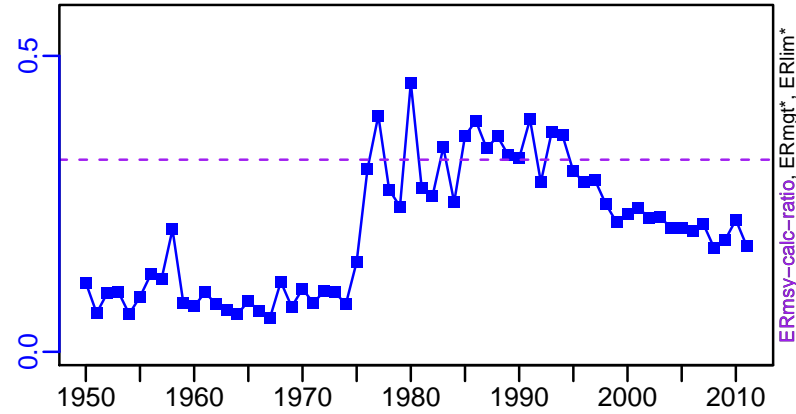
SSB-MT (1950-2012-HIVELY)



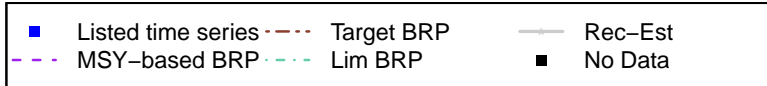
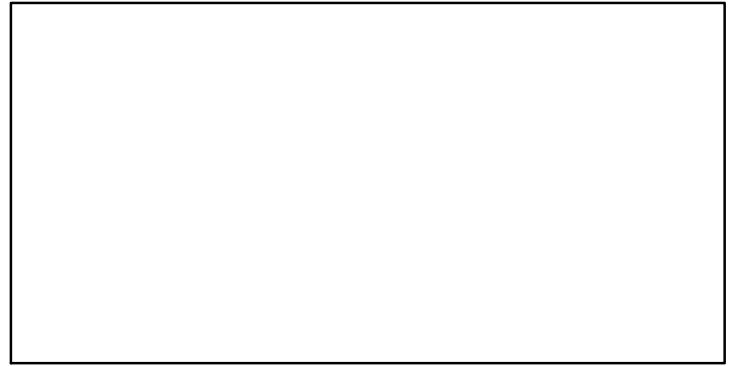
F-1/yr (1950-2012-HIVELY)



ER-calc-ratio (1950-2012-HIVELY)



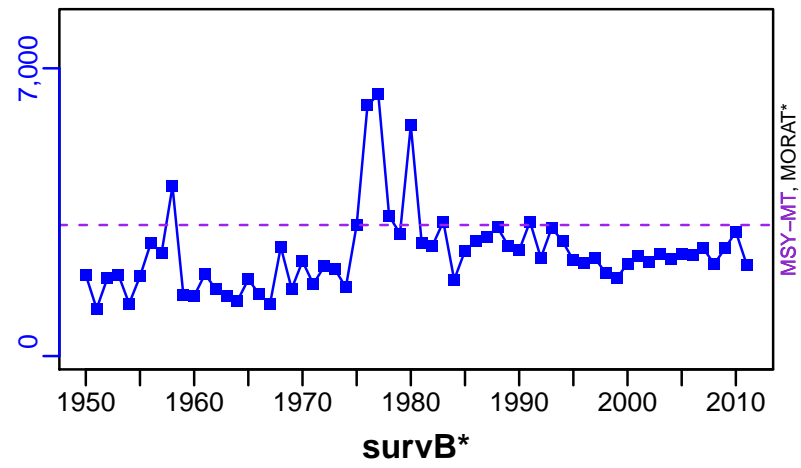
Recruits*



Spanish mackerel Southern Atlantic Coast [SPANMACKSATLC]

TL-MT, TC*, RecC* (1950–2012–HIVELY)

TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



■ 1st listed time series ▲ 3rd listed time series — MORAT
● 2nd listed time series - - MSY * No Data

Tilefish Gulf of Mexico [TILEGM]

Metadata	
Scientific Name	Lopholatilus chamaeleonticeps
Current Assess ID	SEFSC-TILEGM-1965-2009-HIVELY
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2009	0.13
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2009	999	-	-
SSB	SSB-FemaleGonadMT	2009	17	Females	2+
TN	-	-	-	-	-
R	R-E00	2009	204,000	-	-
F	F-1/yr	2009	0.17	-	-
ER	ER-calc-ratio	2009	0.19	-	-
TC	-	-	-		
TL	TL-MT	2009	186		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

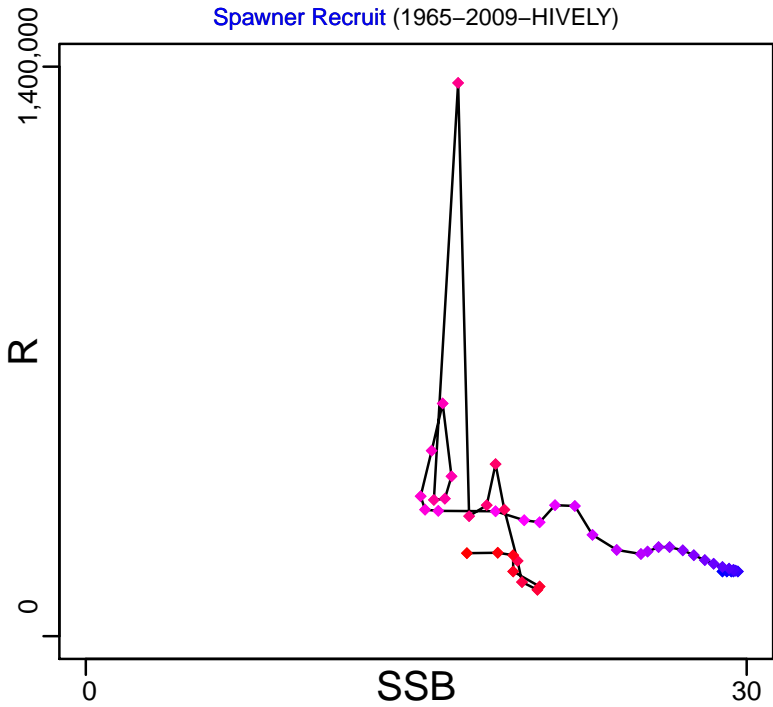
Kobe MSY*



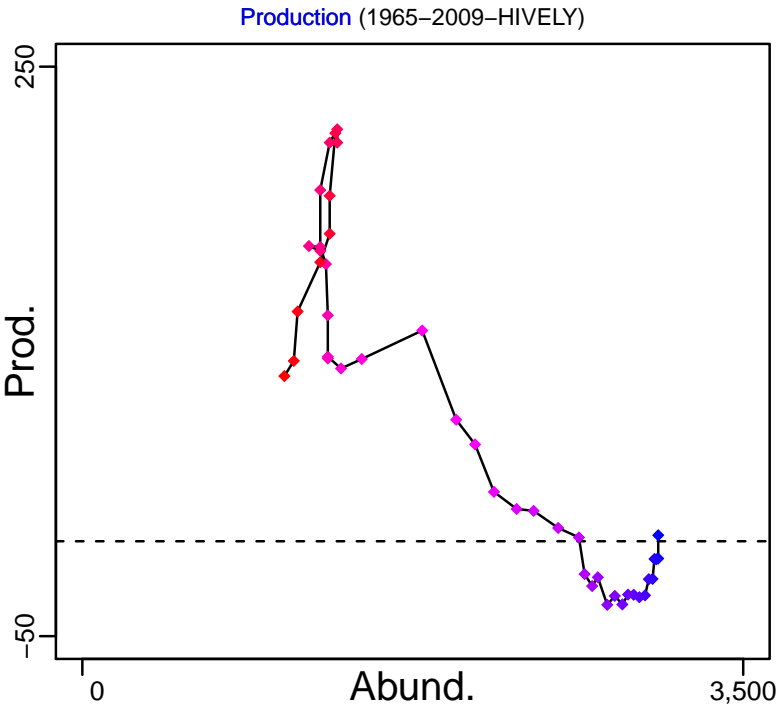
Kobe MGT*



Spawner Recruit (1965–2009–HIVELY)



Production (1965–2009–HIVELY)

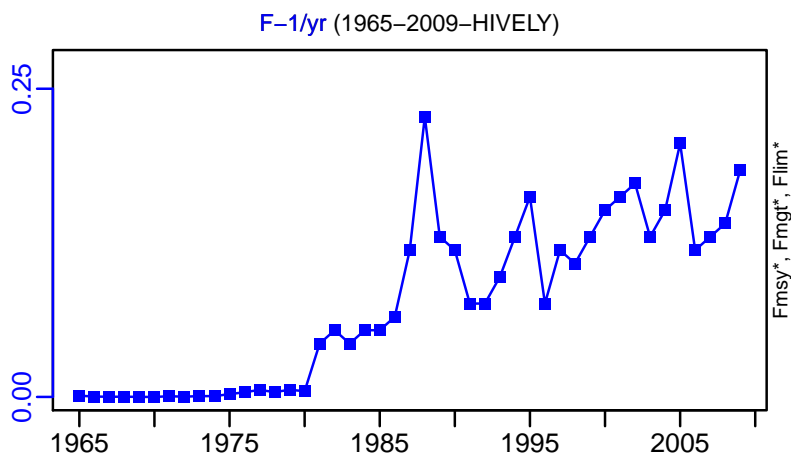
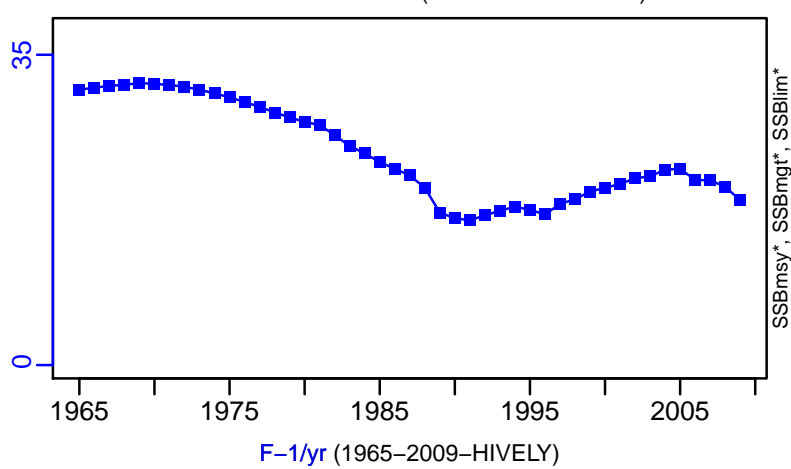
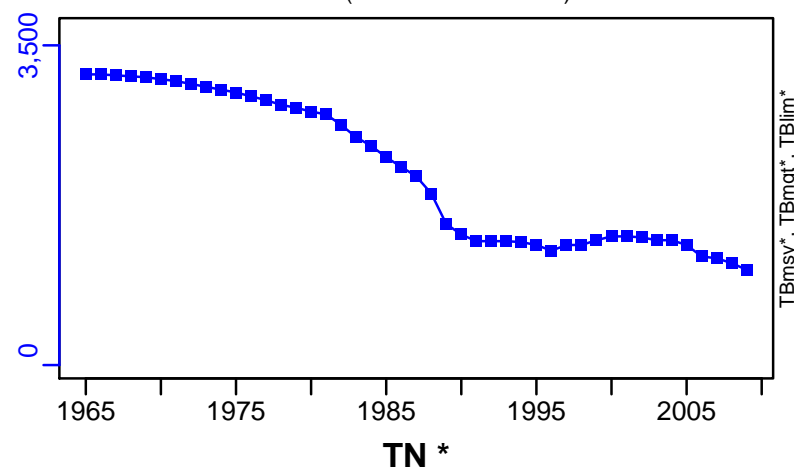


◆ Start Year ◆ End Year * No Data

Tilefish Gulf of Mexico [TILEGM]

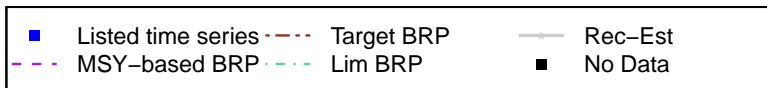
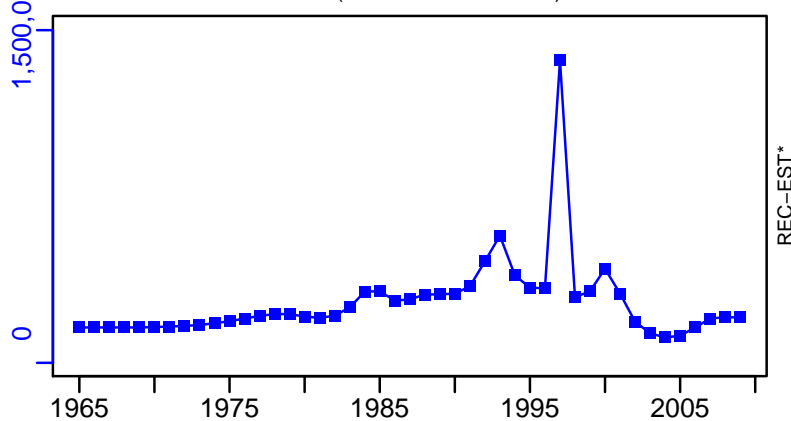
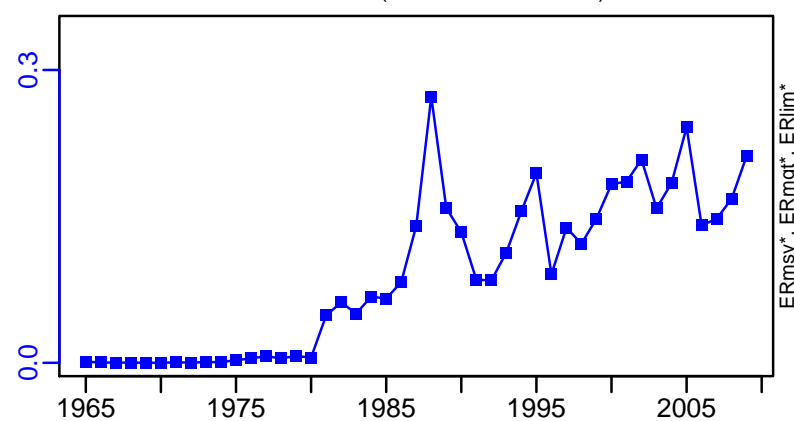
TB-MT (1965–2009–HIVELY)

SSB-FemaleGonadMT (1965–2009–HIVELY)



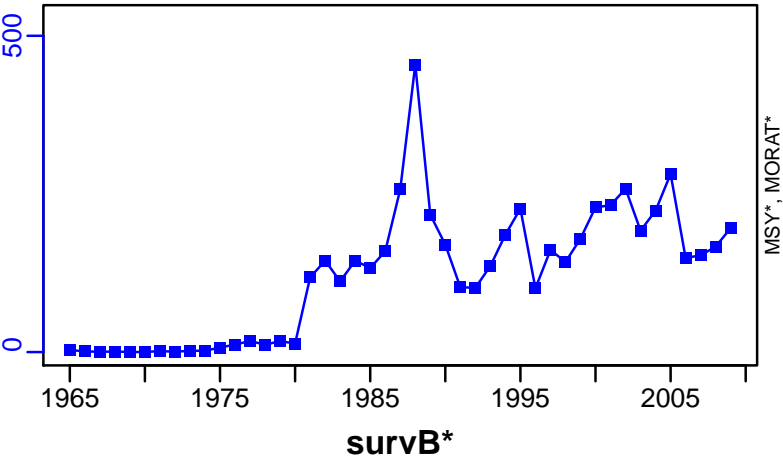
ER-calc-ratio (1965–2009–HIVELY)

R-E00 (1965–2009–HIVELY)



Tilefish Gulf of Mexico [TILEGM]

TL-MT, TC*, RecC* (1965–2009–HIVELY)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Tilefish Southern Atlantic coast [TILESATLC]

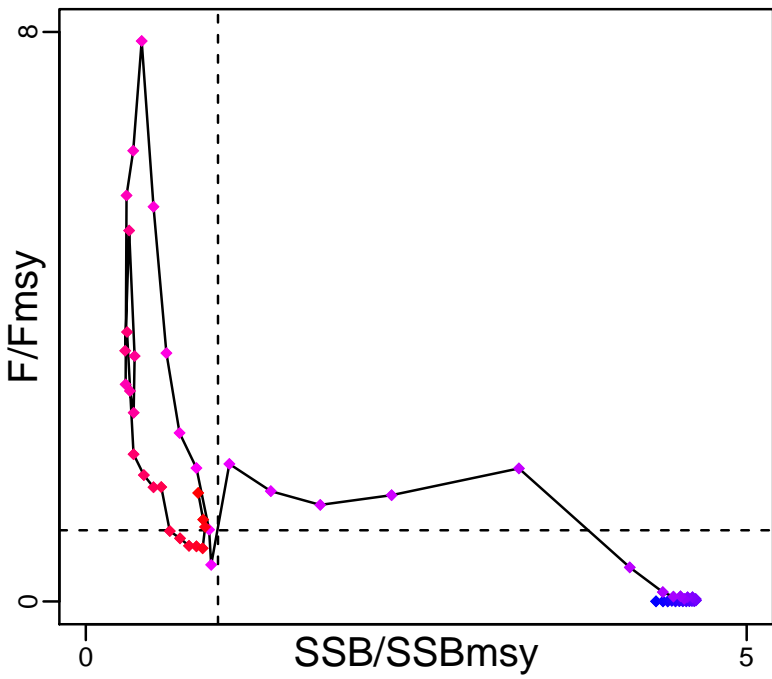
Metadata	
Scientific Name	Lopholatilus chamaeleonticeps
Current Assess ID	SEFSC-TILESATLC-1962-2014-SISIMP2016
Area	Southern Atlantic coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2011	2918
SSBmsy	SSBmsy-FemaleGonadMT	2014	21,929
Fmsy	Fmsy-1/yr	2014	0.24
ERmsy	ERmsy-calc-ratio	2011	0.1
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	254
M	M-1/yr	2011	0.1
TBlim	-	-	-
SSBlim	SSBlim-FemaleGonadMT	2014	16,447
Flim	Flim-1/yr	2014	0.24
ERlim	-	-	-

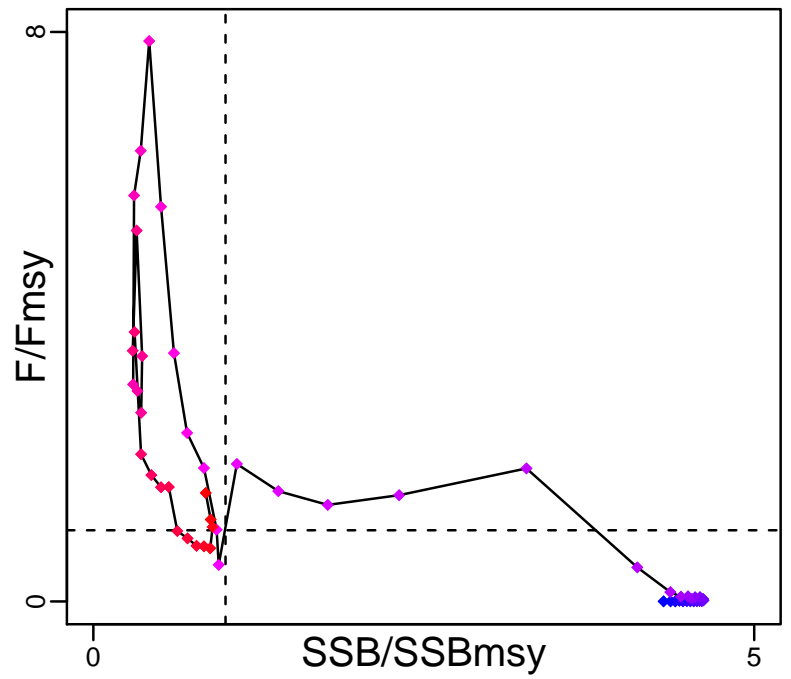
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	5240	-	-
SSB	SSB-FemaleGonadMT	2014	18,600	-	-
TN	-	-	-	-	-
R	R-E00	2014	319,000	-	1
F	F-1/yr	2014	0.36	-	-
ER	ER-calc-ratio	2011	0.05	-	-
TC	TC-MT	2014	320		
TL	TL-MT	2011	275		
TB/TBmsy	TB-MT/TBmsy-MT	2011	1.8		
SSB/SSBmsy	SSB-FemaleGonadMT/SSBmsy-FemaleGonadMT	2014	0.85		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	1.52		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2011	0.53		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Tilefish Southern Atlantic coast [TILESATLC]

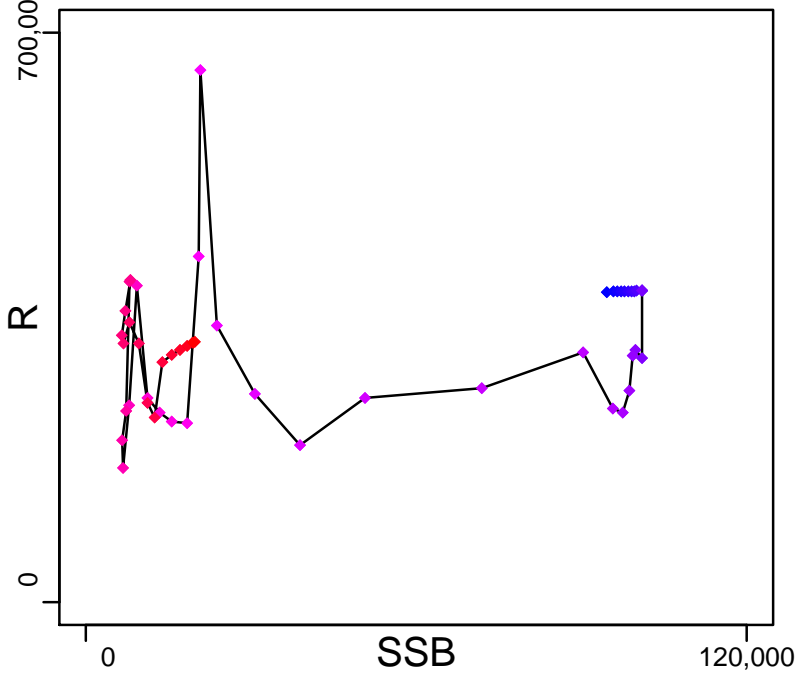
Kobe MSY_{pref} (1962–2014–SISIMP2016)



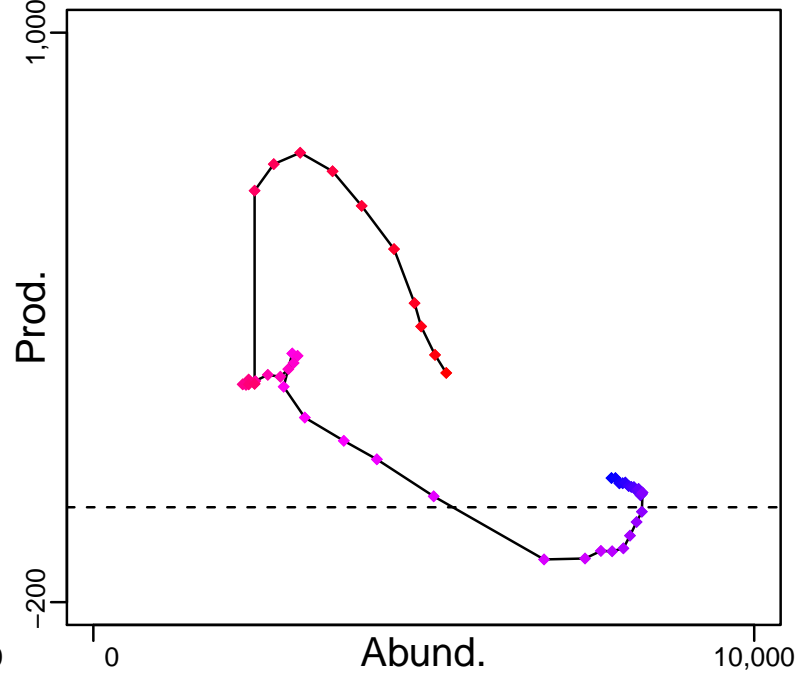
Kobe MGT_{pref} (1962–2014–SISIMP2016)



Spawner Recruit (1962–2014–SISIMP2016)



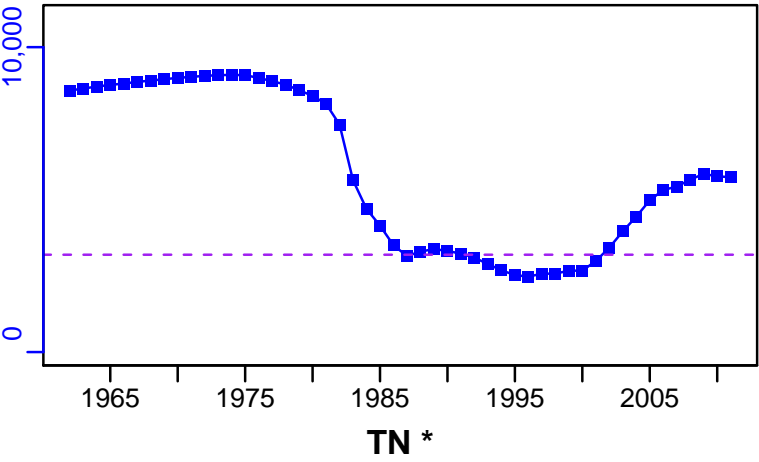
Production (1961–2011–HIVELY)



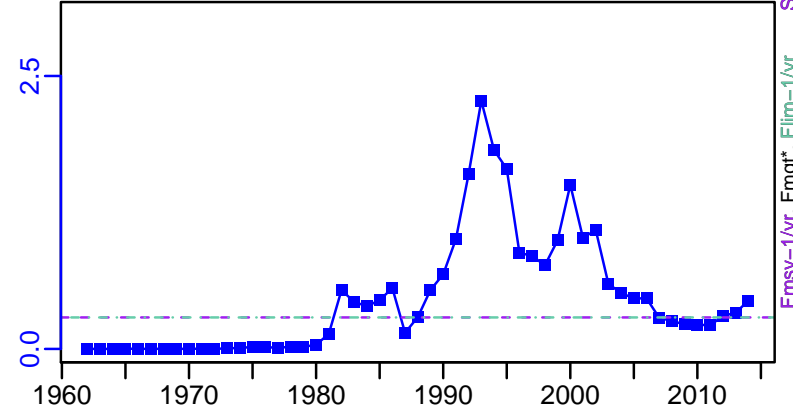
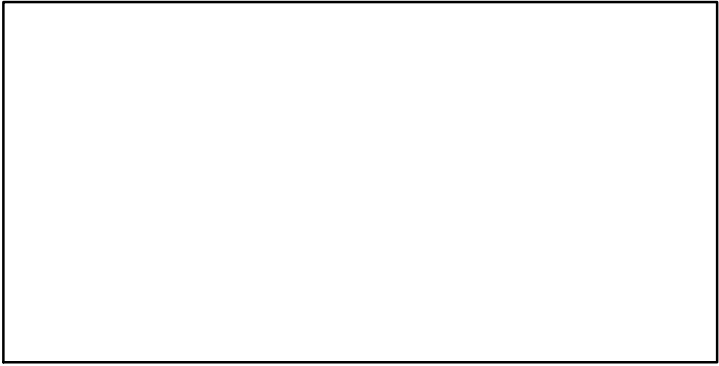
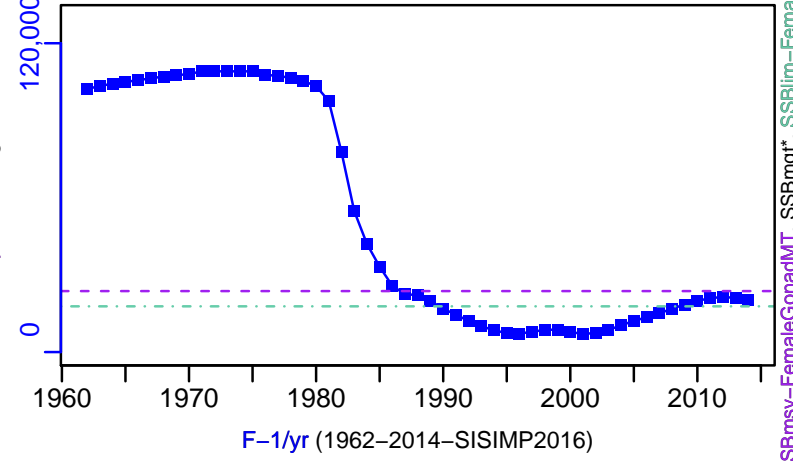
◆ Start Year ◆ End Year * No Data

Tilefish Southern Atlantic coast [TILESATLC]

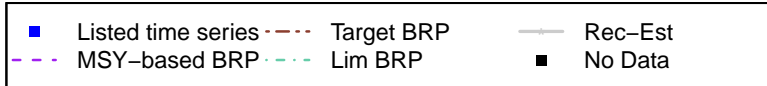
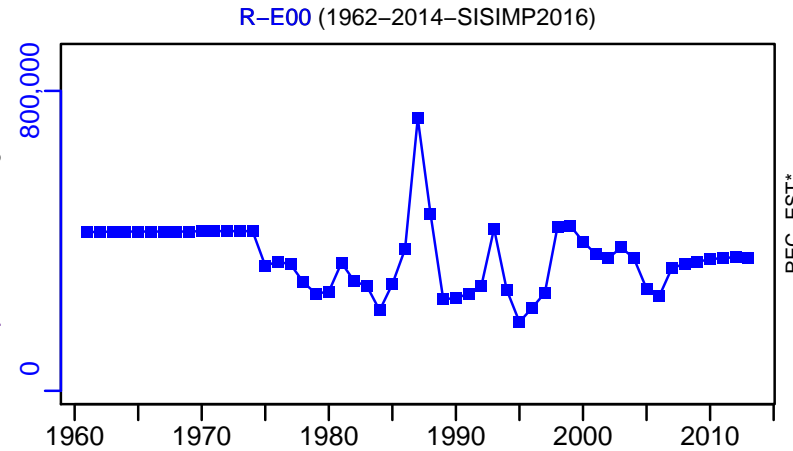
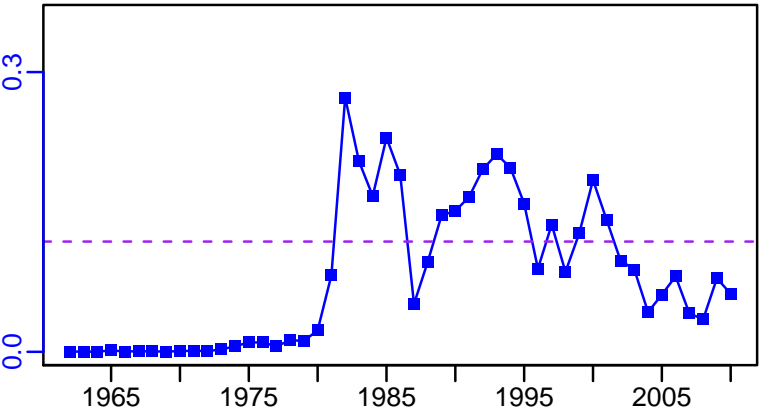
TB-MT (1961–2011–HIVELY)



SSB-FemaleGonadMT (1962–2014–SISIMP2016)

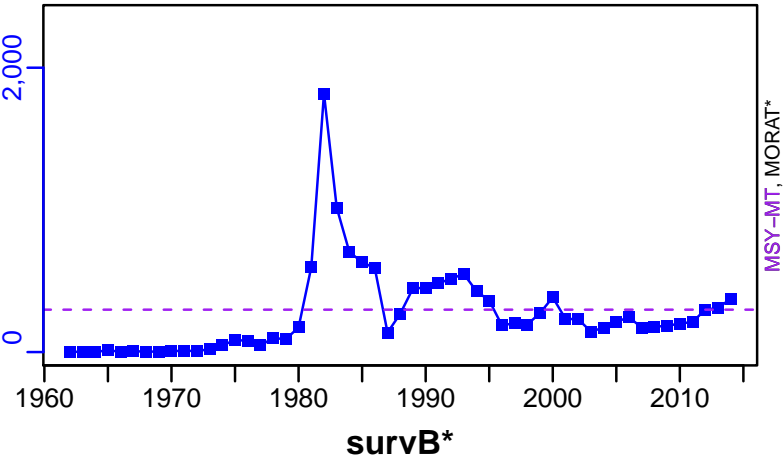


ER-calc-ratio (1961–2011–HIVELY)



Tilefish Southern Atlantic coast [TILESATLC]

TC-MT, TL*, RecC* (1962-2014-SISIMP2016)



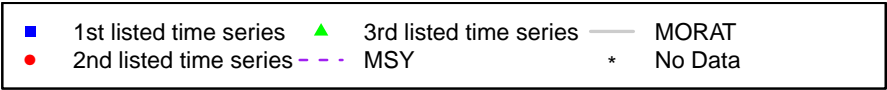
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Vermilion snapper Gulf of Mexico [VSNAPGM]

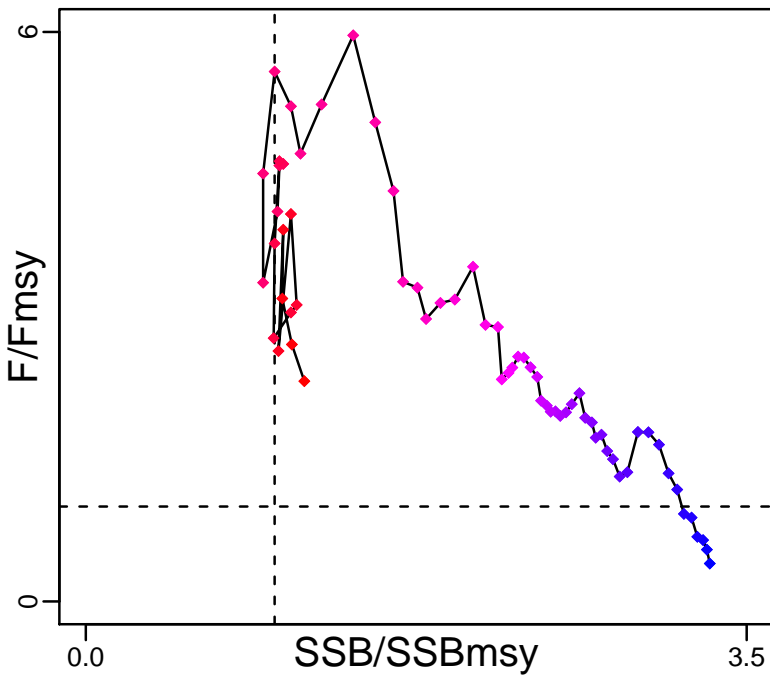
Metadata	
Scientific Name	Rhomboplites aurorubens
Current Assess ID	SEFSC-VSNAPGM-1950-2014-SISIMP2016
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2014, 2004

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-E00eggs	2014	1.97×10^{14}
Fmsy	Fmsy-1/yr	2014	0.1
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.09
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	1529
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-E00eggs	2014	1.48×10^{14}
Flim	Flim-1/yr	2014	0.1
ERlim	-	-	-

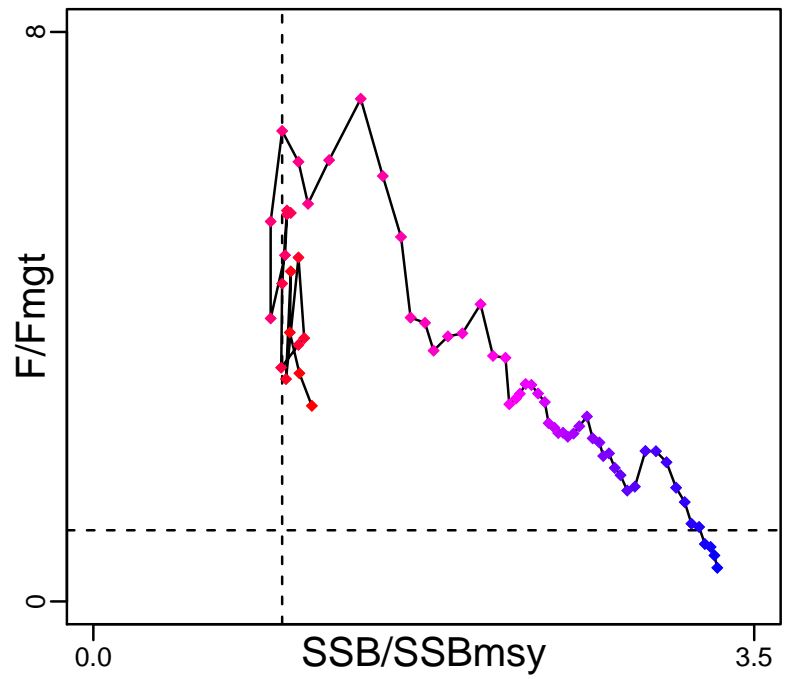
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	11,500	-	1+
SSB	SSB-E00eggs	2014	2.28×10^{14}	Females	-
TN	-	-	-	-	-
R	R-E00	2014	27,200,000	-	0
F	F-1/yr	2014	0.24	-	-
ER	ER-calc-ratio	2014	0.1	-	-
TC	TC-MT	2014	1170		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2014	1.16		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	2.32		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	2.75		
ER/ERmgt	-	-	-		

Vermilion snapper Gulf of Mexico [VSNAPOGM]

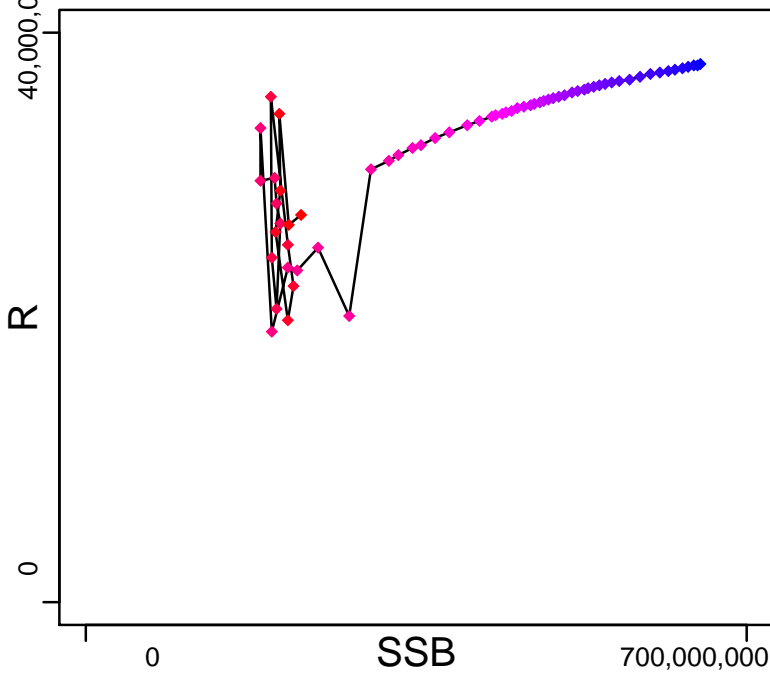
Kobe MSYpref (1950–2014–SISIMP2016)



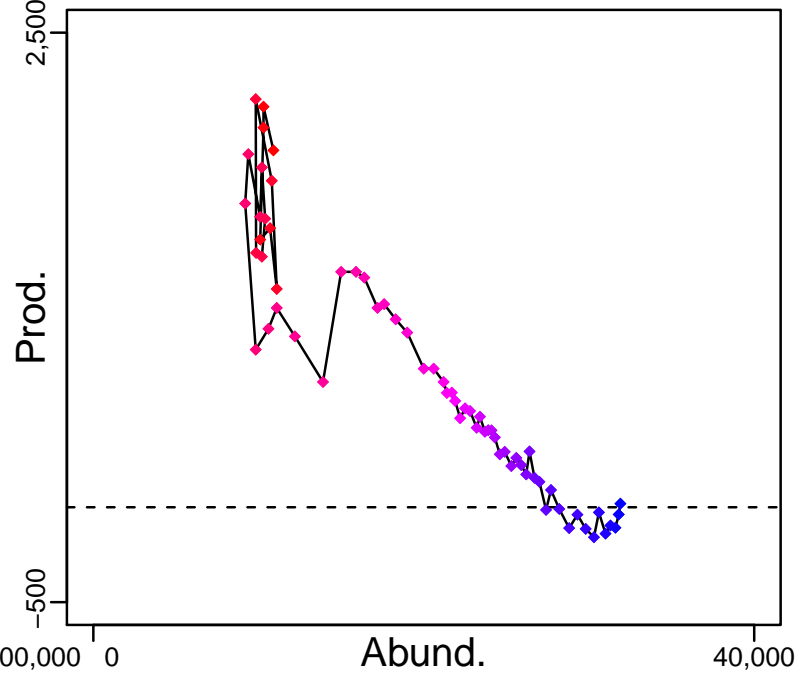
Kobe MGTpref (1950–2014–SISIMP2016)



Spawner Recruit (1950–2014–SISIMP2016)



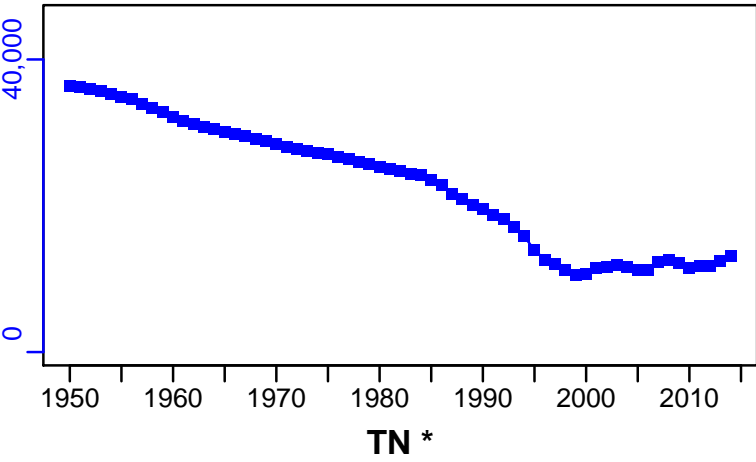
Production (1950–2014–SISIMP2016)



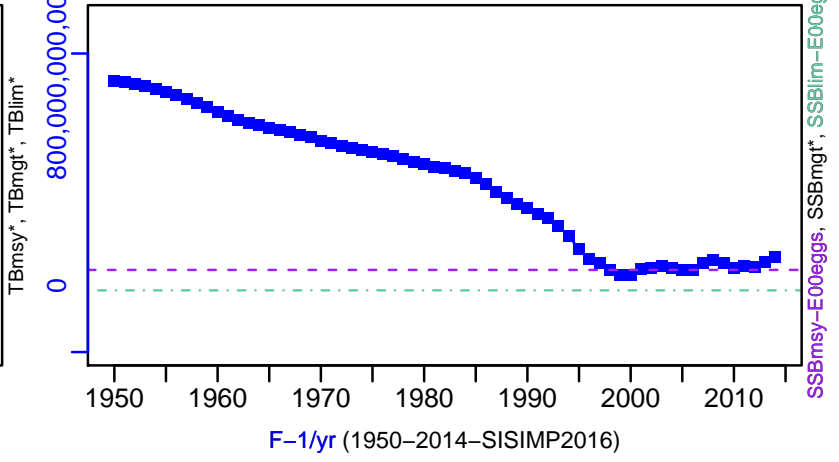
◆ Start Year ◆ End Year * No Data

Vermilion snapper Gulf of Mexico [VSNAPGM]

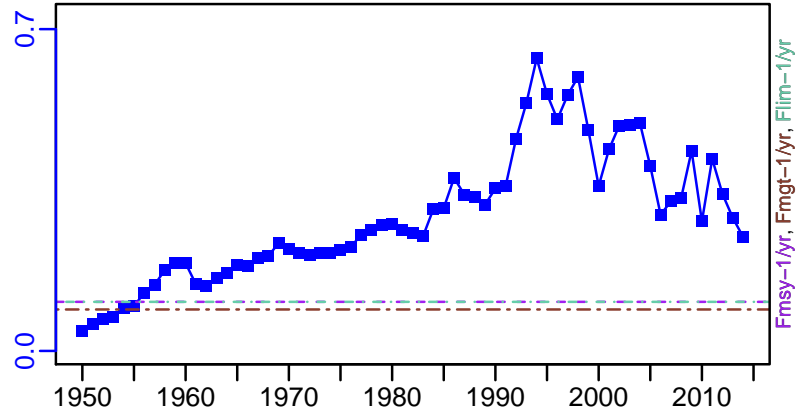
TB-MT (1950–2014–SISIMP2016)



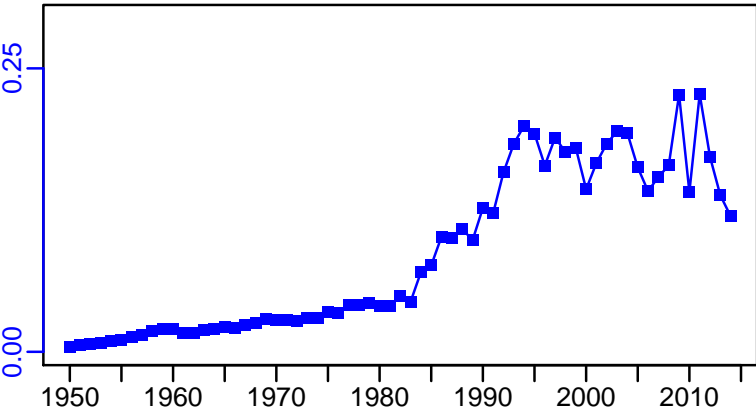
SSB-E00eggs (1950–2014–SISIMP2016)



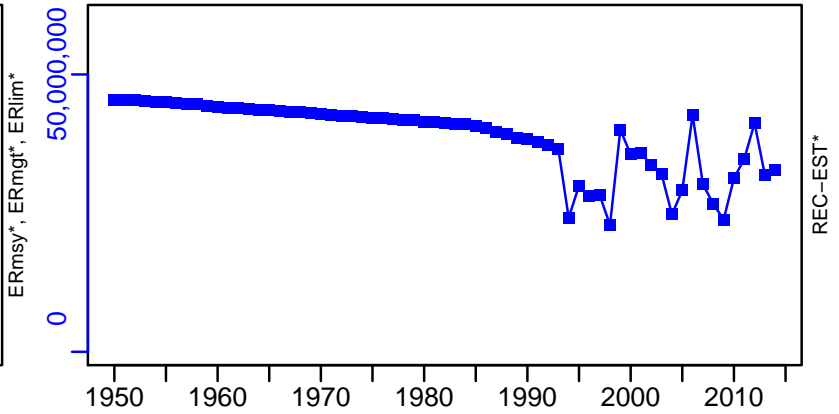
F-1/yr (1950–2014–SISIMP2016)



ER-calc-ratio (1950–2014–SISIMP2016)



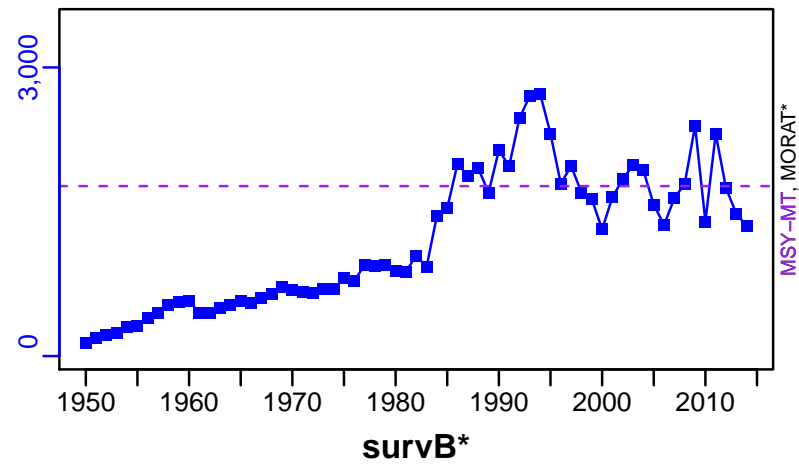
R-E00 (1950–2014–SISIMP2016)



Vermilion snapper Gulf of Mexico [VSNAPGM]

TC-MT, TL*, RecC* (1950-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Vermilion snapper Southern Atlantic coast [VSNAPSATLC]

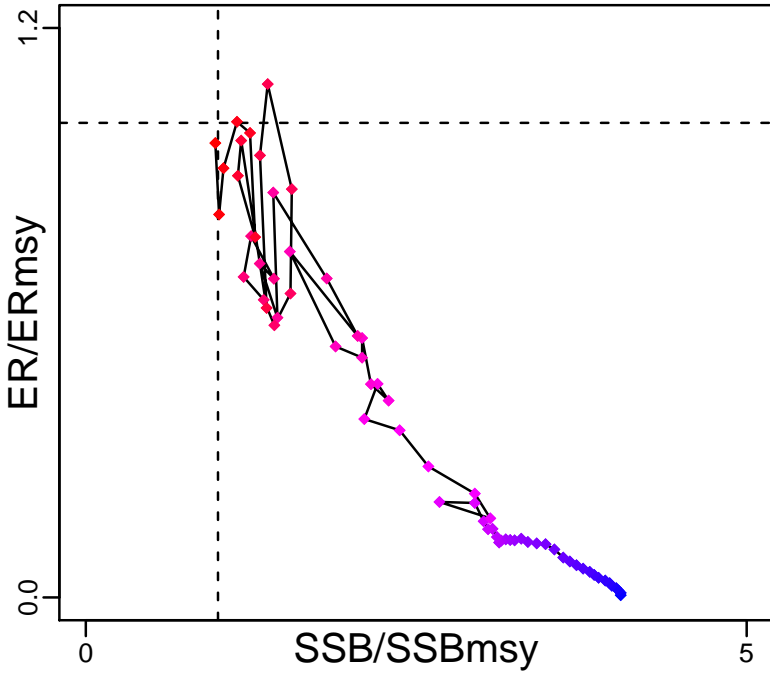
Metadata	
Scientific Name	Rhomboplites aurorubens
Current Assess ID	SEFSC-VSNAPSATLC-1945-2012-HIVELY
Area	Southern Atlantic coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2012	2252
SSBmsy	SSBmsy-E00eggs	2012	5.98×10^{12}
Fmsy	Fmsy-1/yr	2012	0.75
ERmsy	ERmsy-calc-ratio	2012	0.31
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2012	697
M	M-1/yr	2012	0.22
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

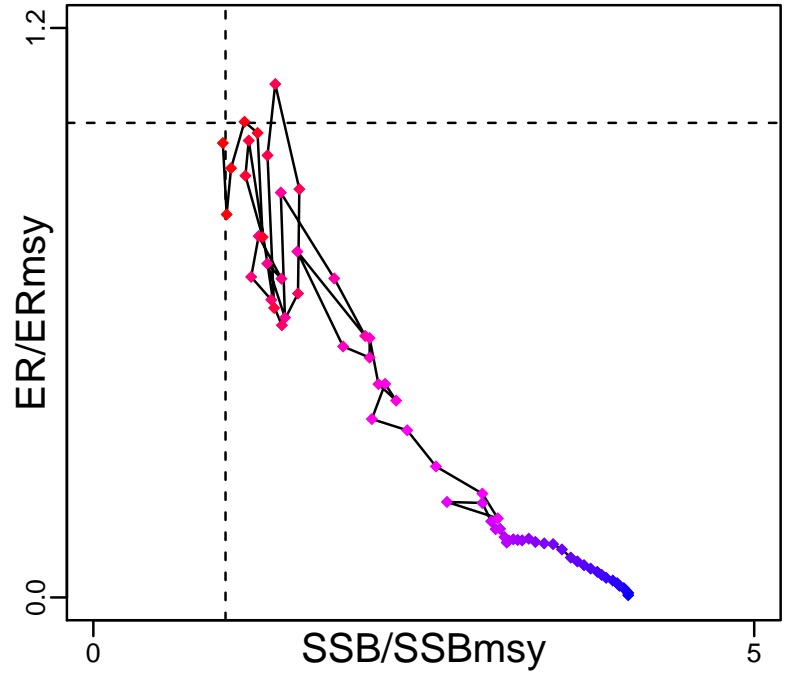
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2012	2120	-	-
SSB	SSB-E00eggs	2012	5.86×10^{12}	-	-
TN	-	-	-	-	-
R	R-E00	2012	3,140,000	-	1
F	F-1/yr	2012	0.58	-	-
ER	ER-calc-ratio	2012	0.3	-	-
TC	-	-	-		
TL	TL-MT	2012	649		
TB/TBmsy	TB-MT/TBmsy-MT	2012	0.94		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2012	0.98		
F/Fmsy	F-1/yr/Fmsy-1/yr	2012	0.77		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2012	0.96		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Vermilion snapper Southern Atlantic coast [VSNAPSATLC]

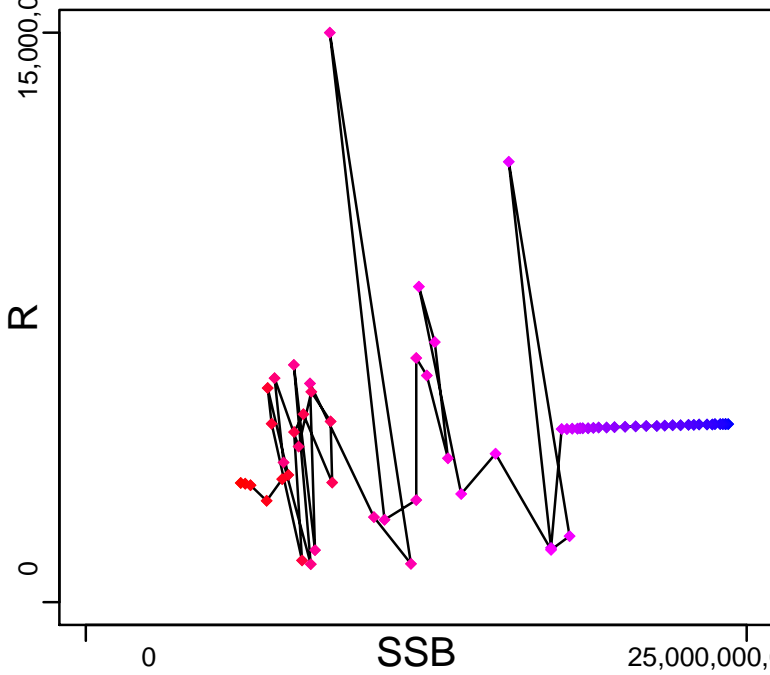
Kobe MSYpref (1945–2012–HIVELY)



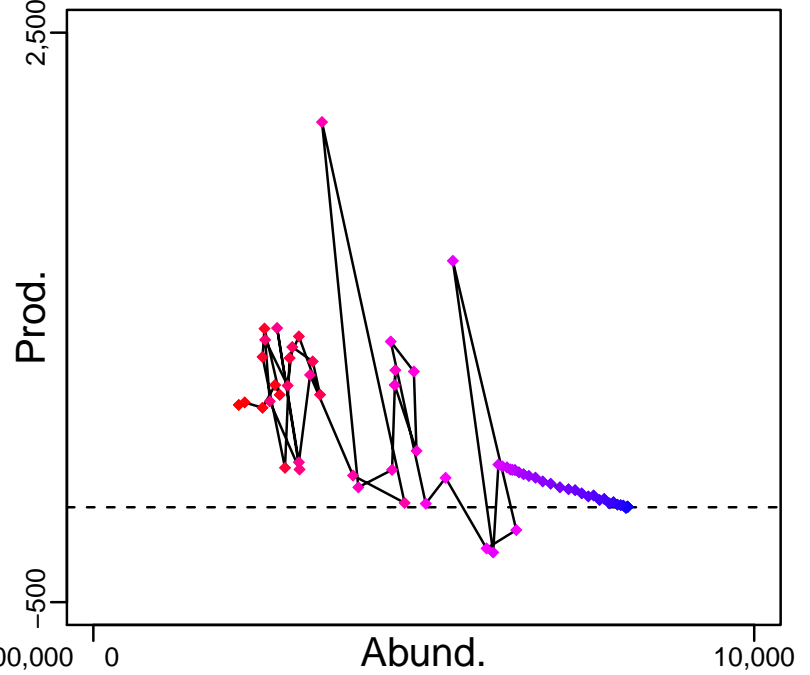
Kobe MGTpref (1945–2012–HIVELY)



Spawner Recruit (1945–2012–HIVELY)



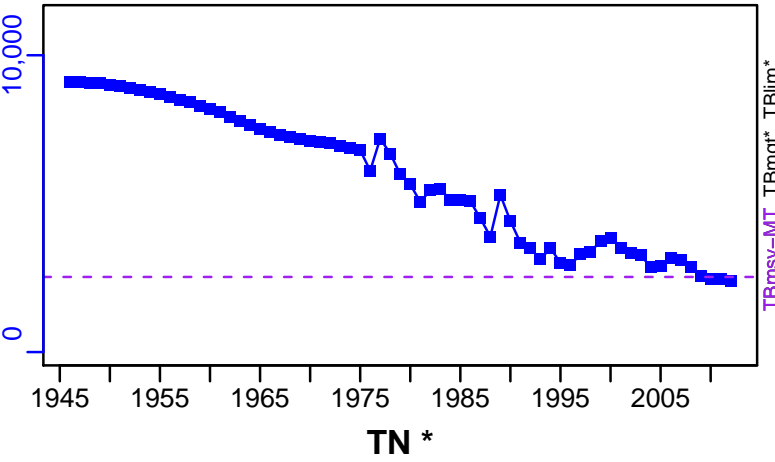
Production (1945–2012–HIVELY)



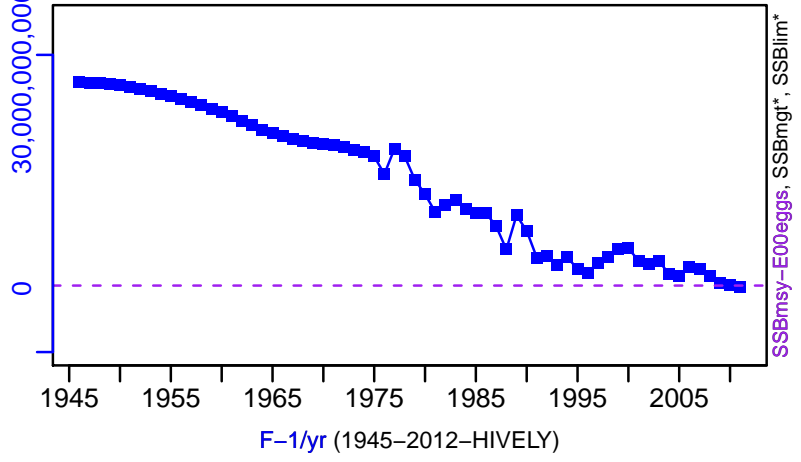
◆ Start Year ◆ End Year * No Data

Vermilion snapper Southern Atlantic coast [VSNAPSATLC]

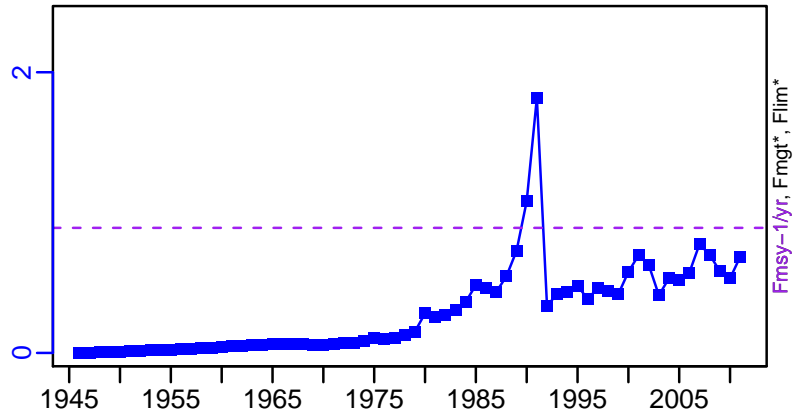
TB-MT (1945-2012-HIVELY)



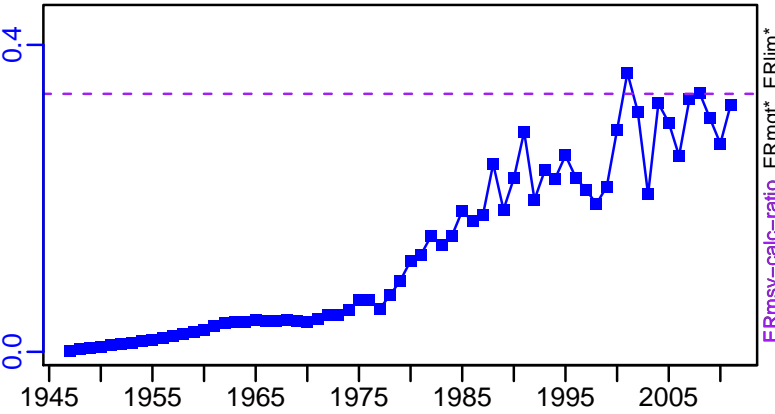
SSB-E00eggs (1945-2012-HIVELY)



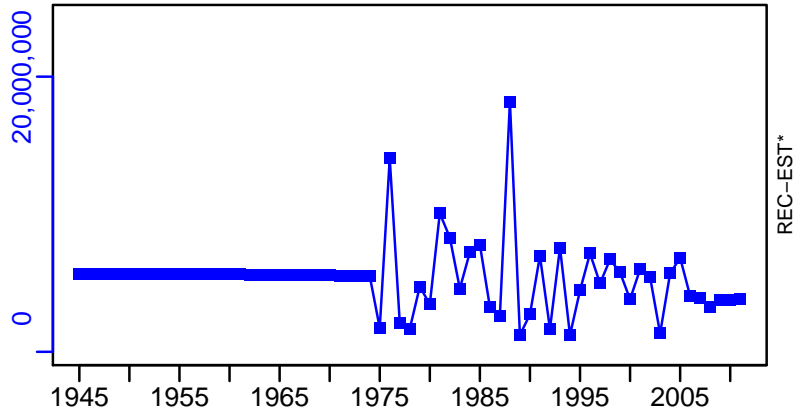
F-1/yr (1945-2012-HIVELY)



ER-calc-ratio (1945-2012-HIVELY)



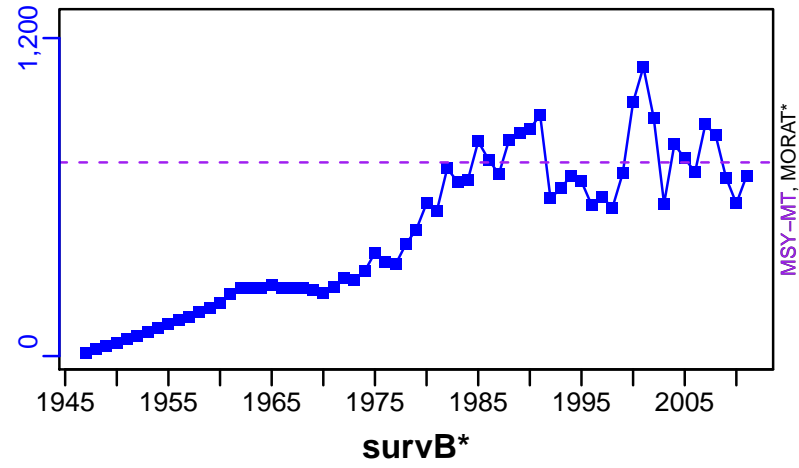
R-E00 (1945-2012-HIVELY)



Vermilion snapper Southern Atlantic coast [VSNAPSATLC]

TL-MT, TC*, RecC* (1945-2012-HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*



White shrimp Gulf of Mexico [WSHRIMPGM]

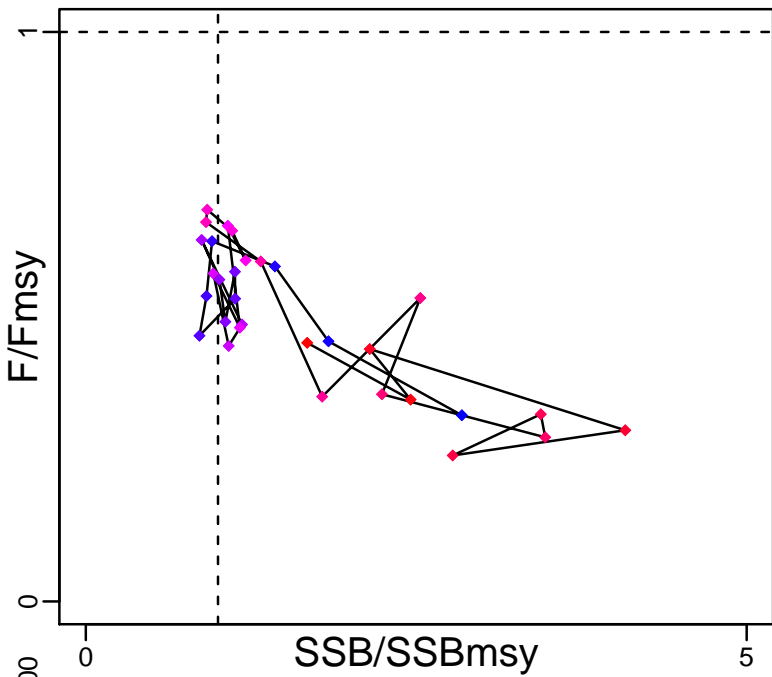
Metadata	
Scientific Name	Litopenaeus setiferus
Current Assess ID	SEFSC-WSHRIMPGM-1984-2014-SISIMP2016
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	165,879
Fmsy	Fmsy-1/yr	2014	3.48
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	165,879
Flim	-	-	-
ERlim	-	-	-

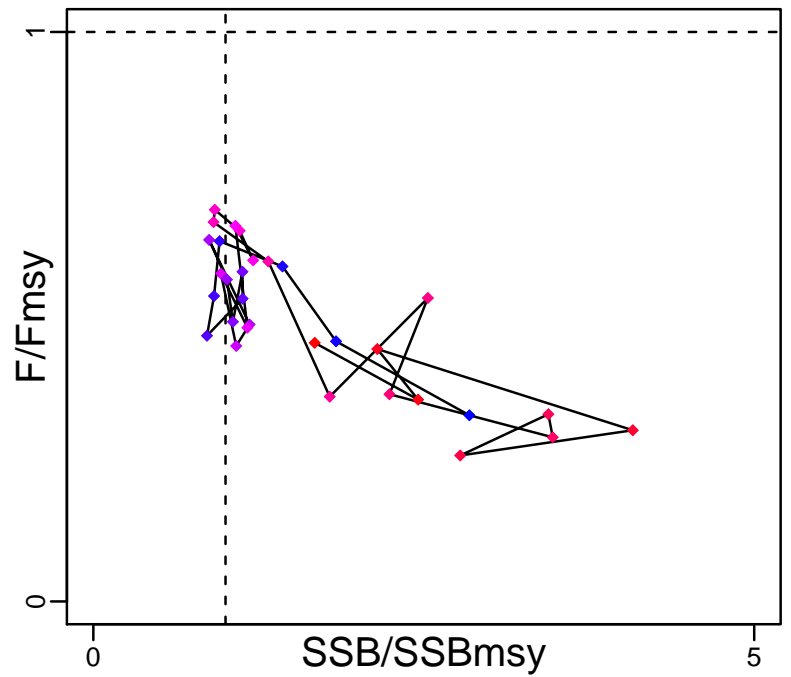
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	278,000	-	4+
TN	-	-	-	-	-
R	R-E00	2014	1.78×10^{10}	-	0
F	F-1/yr	2014	1.58	-	-
ER	ER-calc-ratio	2014	0.03	-	-
TC	TC-MT	2014	26,500		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	1.68		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.45		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

White shrimp Gulf of Mexico [WSHRIMPGM]

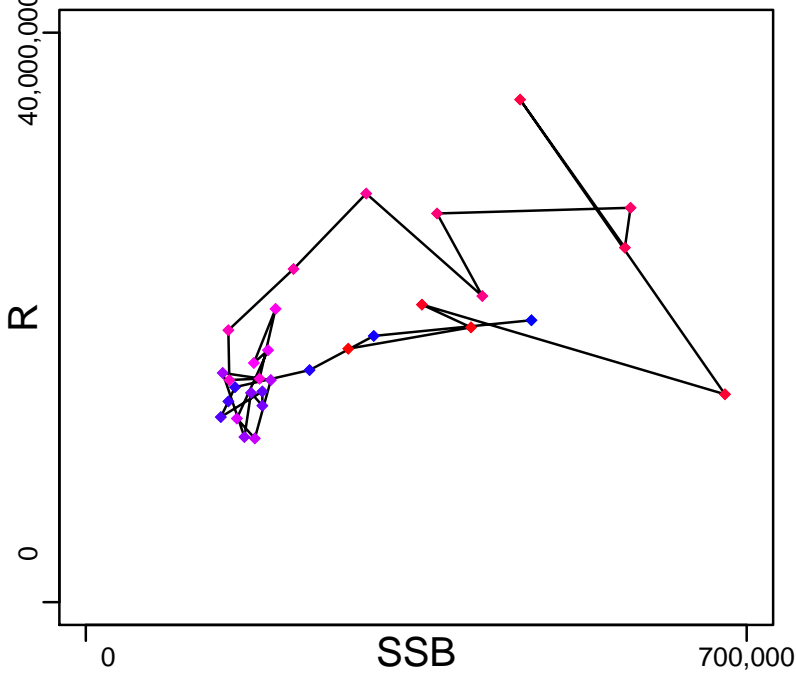
Kobe MSYpref (1984–2014–SISIMP2016)



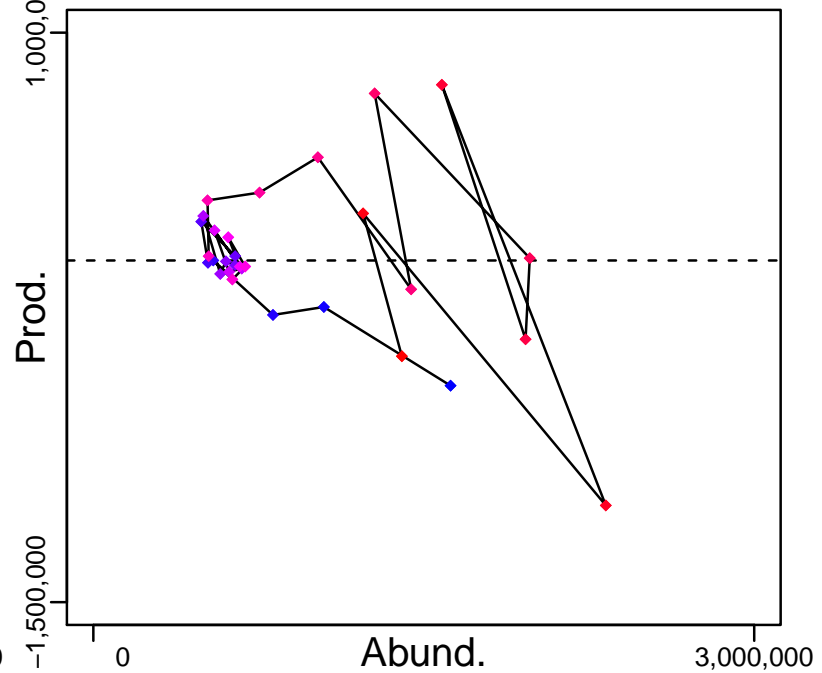
Kobe MGTpref (1984–2014–SISIMP2016)



Spawner Recruit (1984–2014–SISIMP2016)



Production (1984–2014–SISIMP2016)



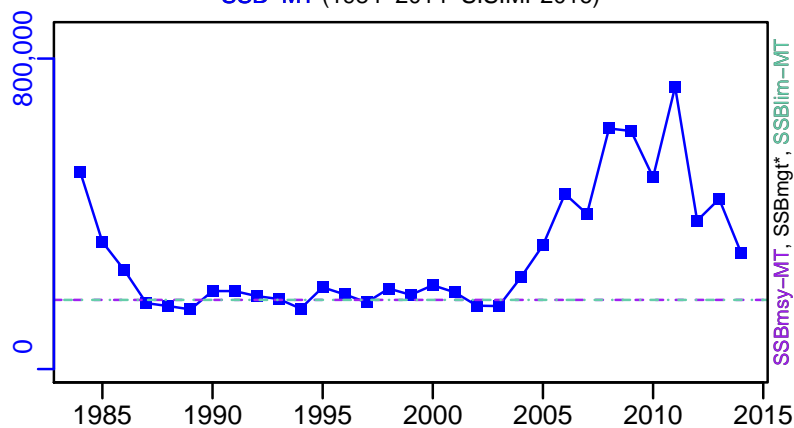
◆ Start Year ◆ End Year * No Data

White shrimp Gulf of Mexico [WSHRIMPGM]

TB*



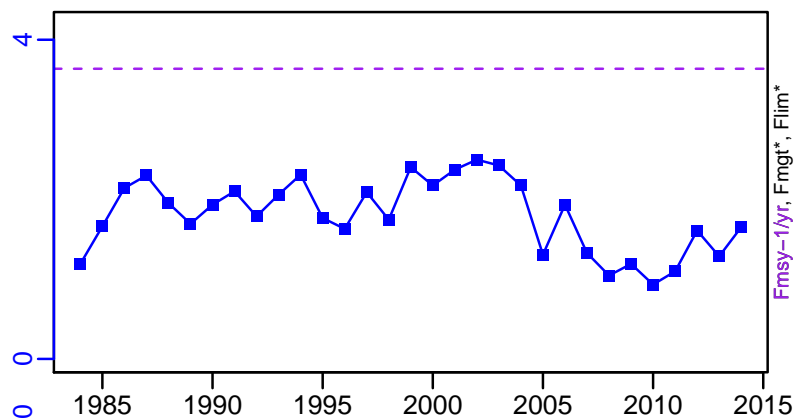
SSB-MT (1984-2014-SISIMP2016)



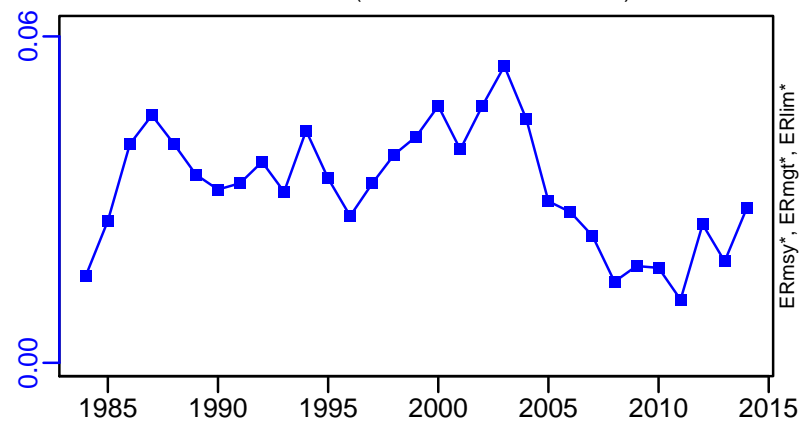
TN *



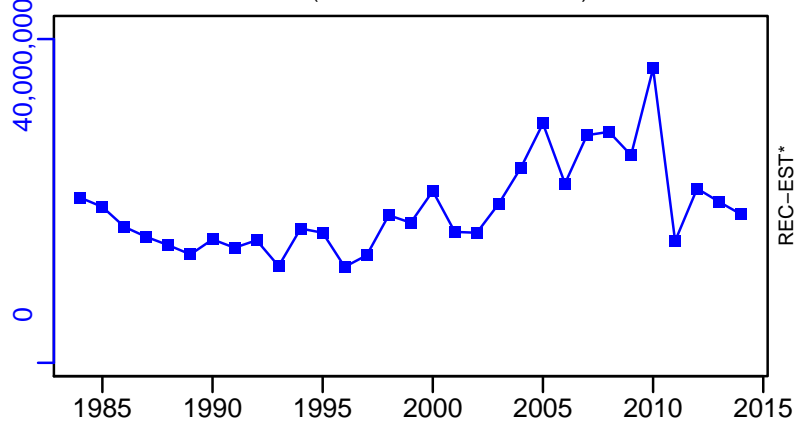
F-1/yr (1984-2014-SISIMP2016)



ER-calc-ratio (1984-2014-SISIMP2016)



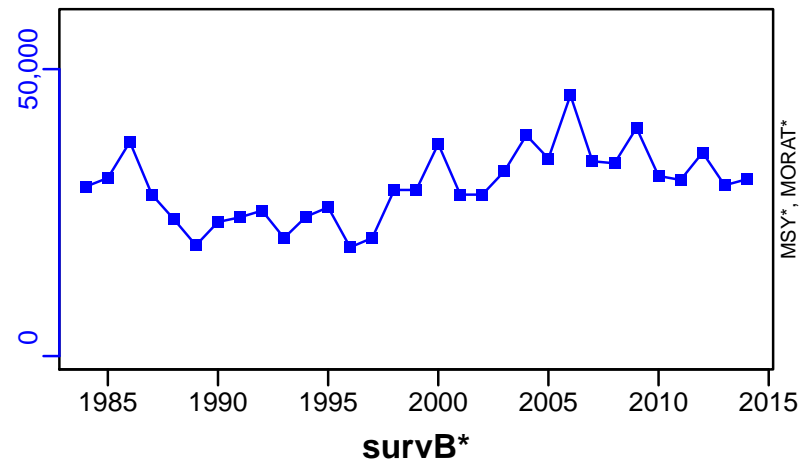
R-E00 (1984-2014-SISIMP2016)



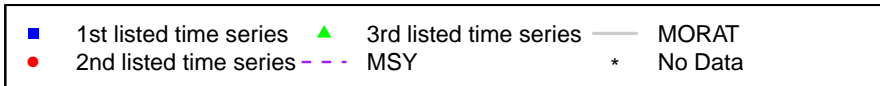
White shrimp Gulf of Mexico [WSHRIMPGM]

TC-MT, TL*, RecC* (1984-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Yellowedge grouper Gulf of Mexico [YEGROUPGM]

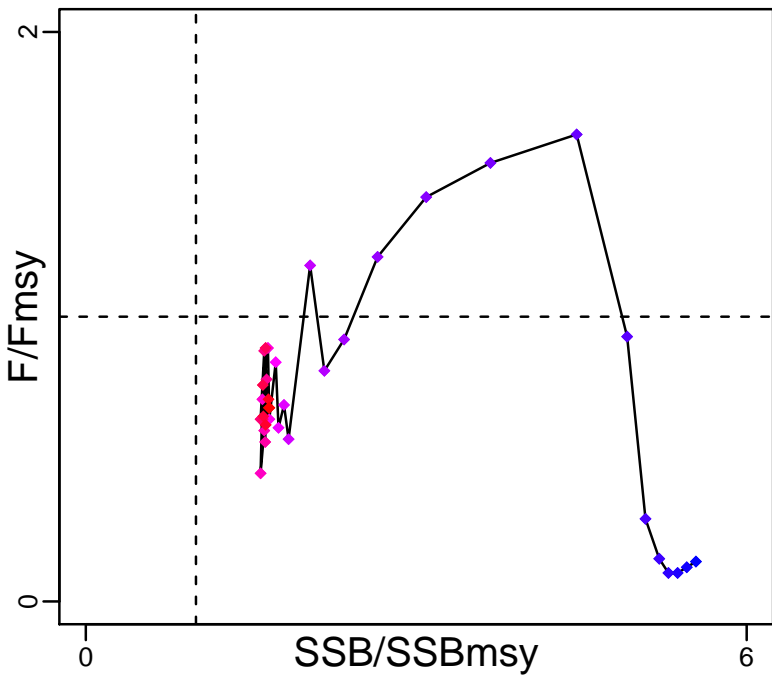
Metadata	
Scientific Name	Epinephelus flavolimbatus
Current Assess ID	SEFSC-YEGROUPGM-1975-2009-HIVELY
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2009	2401
Fmsy	Fmsy-1/yr	2009	0.1
ERmsy	ERmsy-conv-ratio	2009	0.11
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2009	375
M	M-1/yr	2009	0.07
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

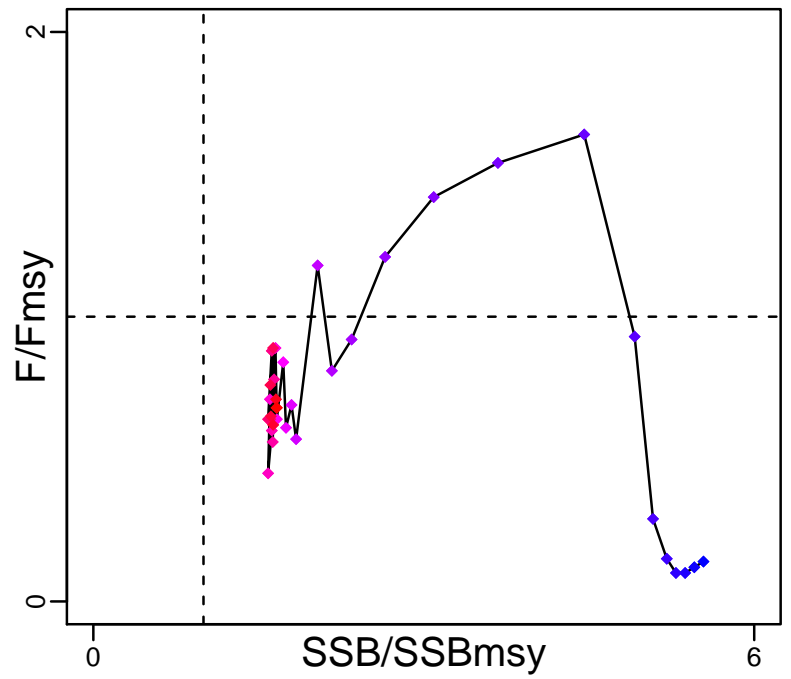
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2009	5530	-	-
SSB	SSB-MT	2009	4000	Both	8+
TN	-	-	-	-	-
R	R-E00	2009	801,000	-	-
F	F-1/yr	2009	0.07	-	-
ER	ER-calc-ratio	2009	0.07	-	-
TC	-	-	-		
TL	TL-MT	2009	376		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2009	1.67		
F/Fmsy	F-1/yr/Fmsy-1/yr	2009	0.68		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2009	0.61		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Yellowedge grouper Gulf of Mexico [YEGROUPGM]

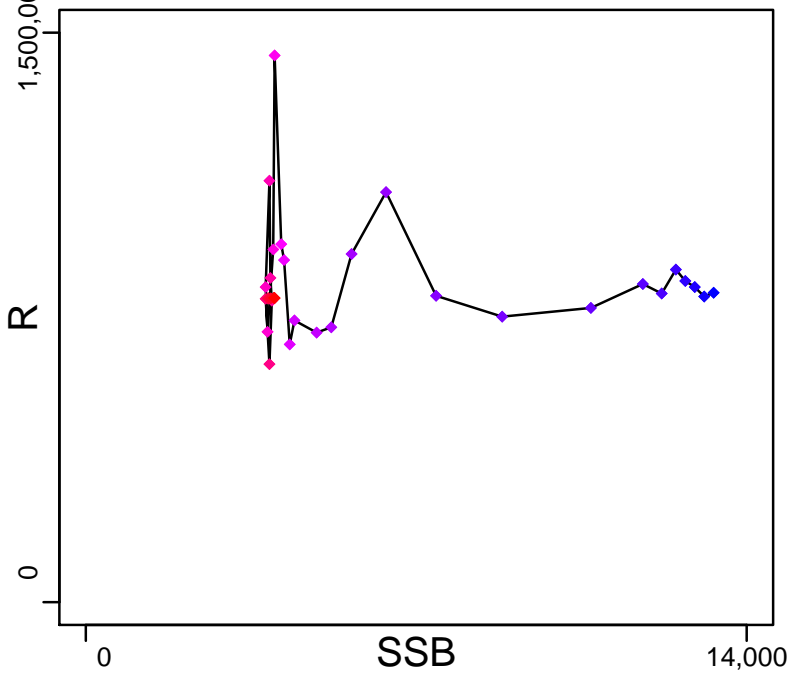
Kobe MSYpref (1975–2009–HIVELY)



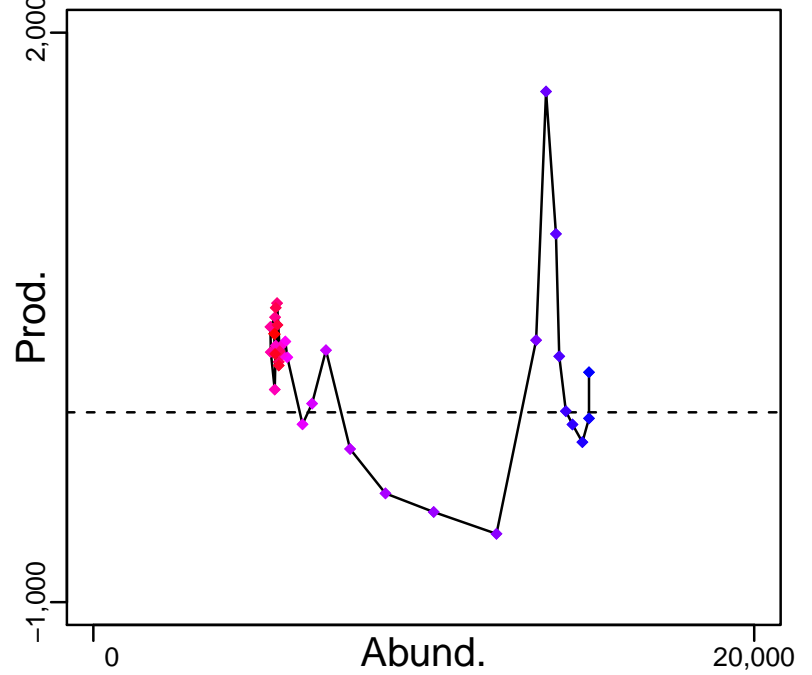
Kobe MGTpref (1975–2009–HIVELY)



Spawner Recruit (1975–2009–HIVELY)



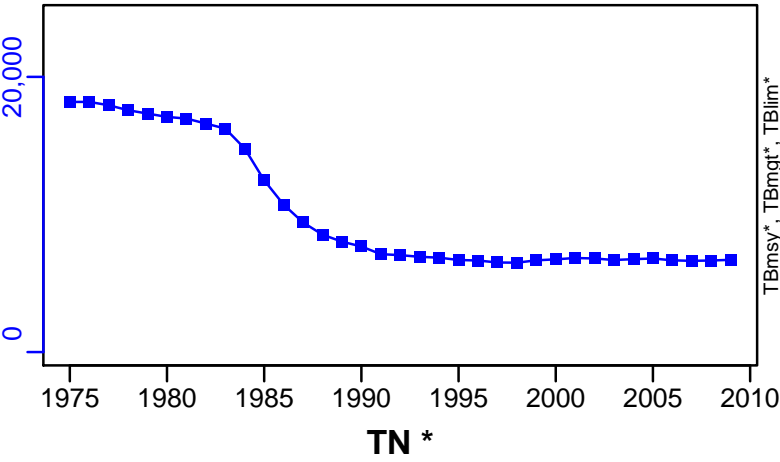
Production (1975–2009–HIVELY)



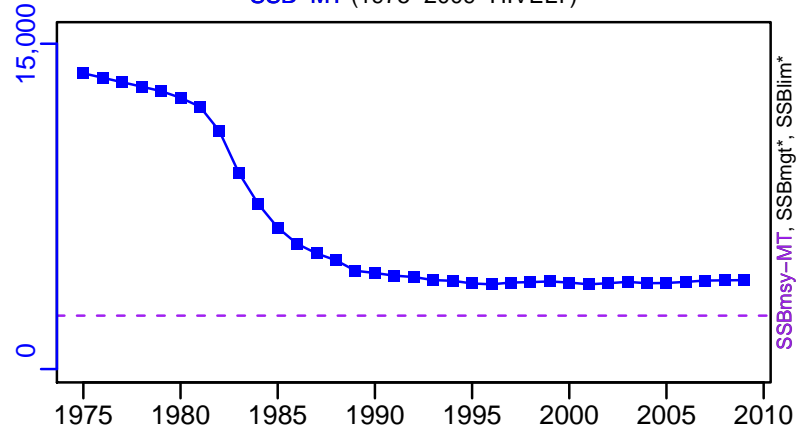
◆ Start Year ◆ End Year * No Data

Yellowedge grouper Gulf of Mexico [YEGROUPGM]

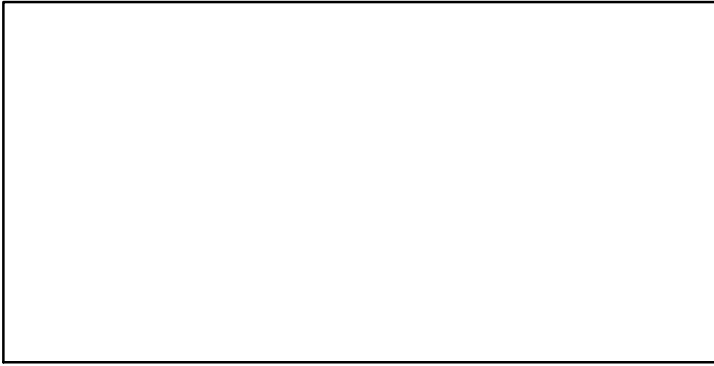
TB-MT (1975–2009–HIVELY)



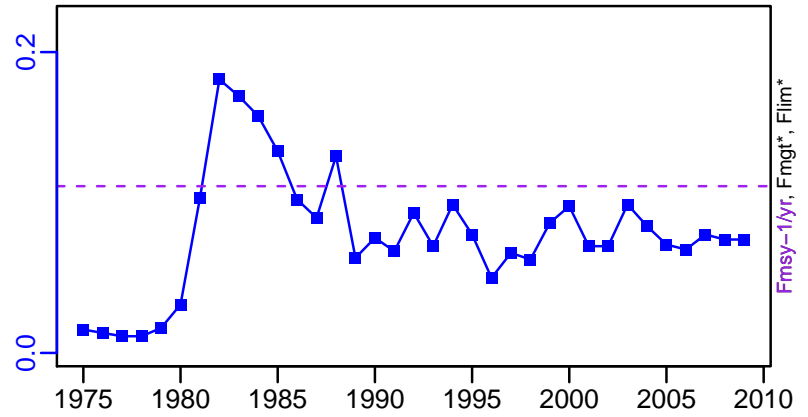
SSB-MT (1975–2009–HIVELY)



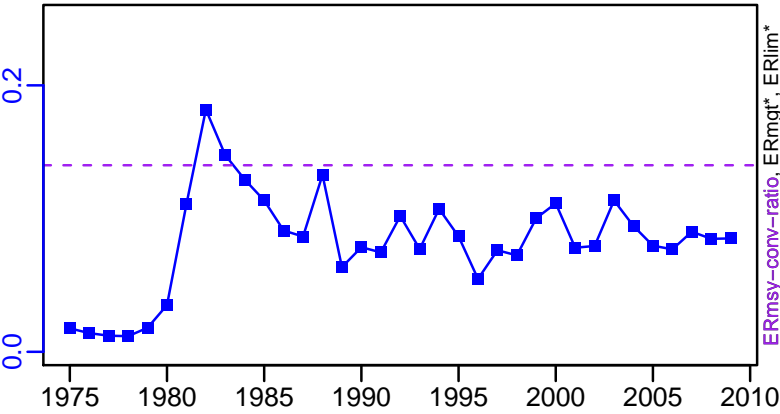
TN *



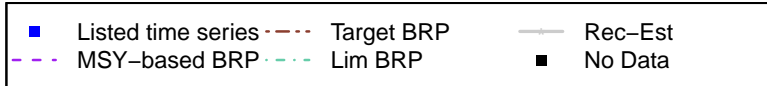
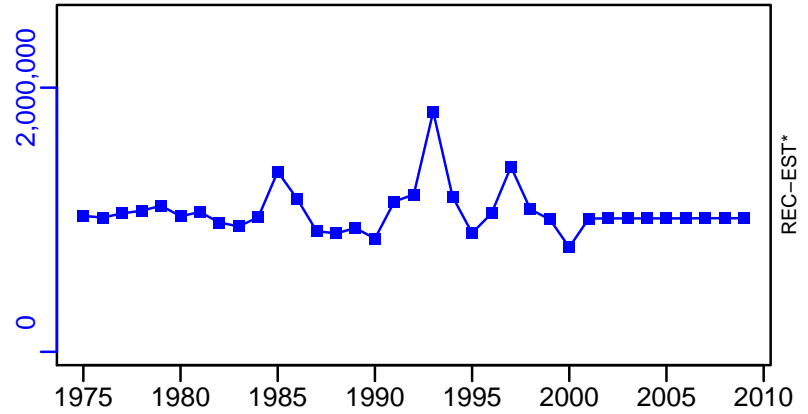
F-1/yr (1975–2009–HIVELY)



ER-calc-ratio (1975–2009–HIVELY)



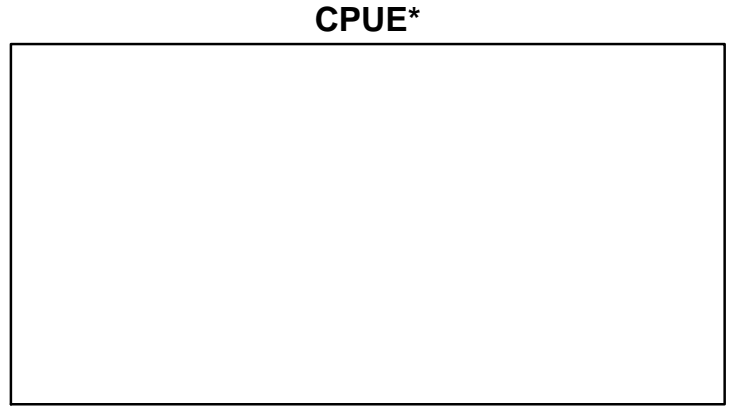
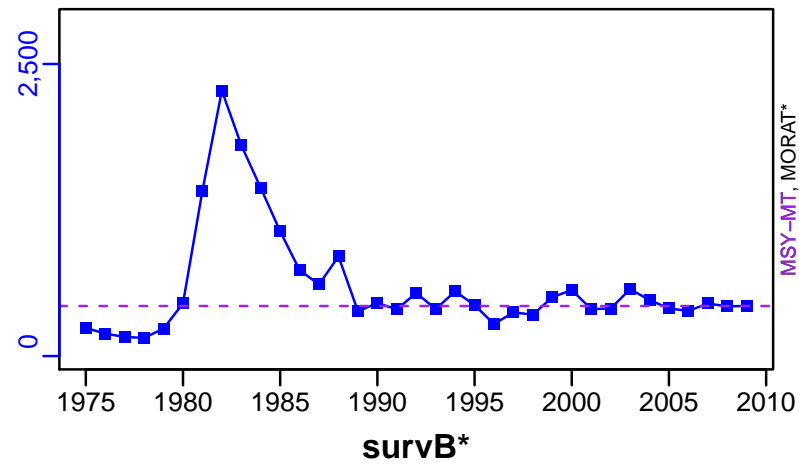
R-E00 (1975–2009–HIVELY)



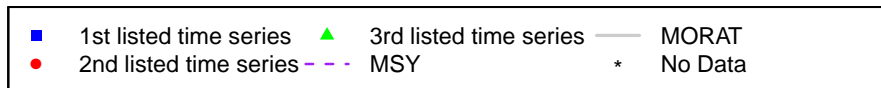
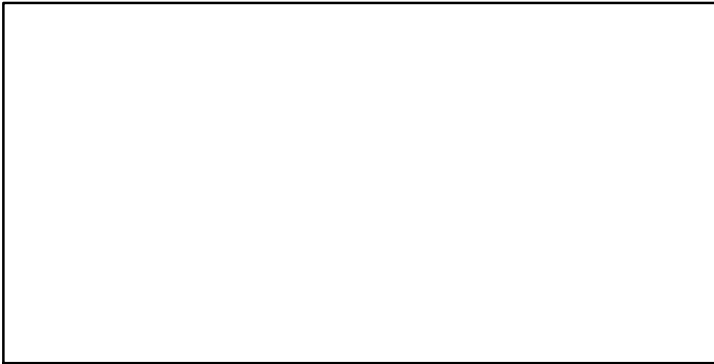
Yellowedge grouper Gulf of Mexico [YEGROUPGM]

TL-MT, TC*, RecC* (1975-2009-HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*



Yellowtail Snapper Southern Atlantic Coast and Gulf of Mexico [YTSNAPSATLCGM]

Metadata	
Scientific Name	Ocyurus chrysurus
Current Assess ID	SEFSC-YTSNAPSATLCGM-1950-2011-HIVELY
Area	Southern Atlantic coast and Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-pr-1/yr	2011	0.29
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2011	1700
M	M-1/yr	2011	0.19
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	26,600	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2011	0.05	-	-
ER	ER-calc-ratio	2011	0.03	-	-
TC	-	-	-		
TL	TL-MT	2011	858		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2011	0.16		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

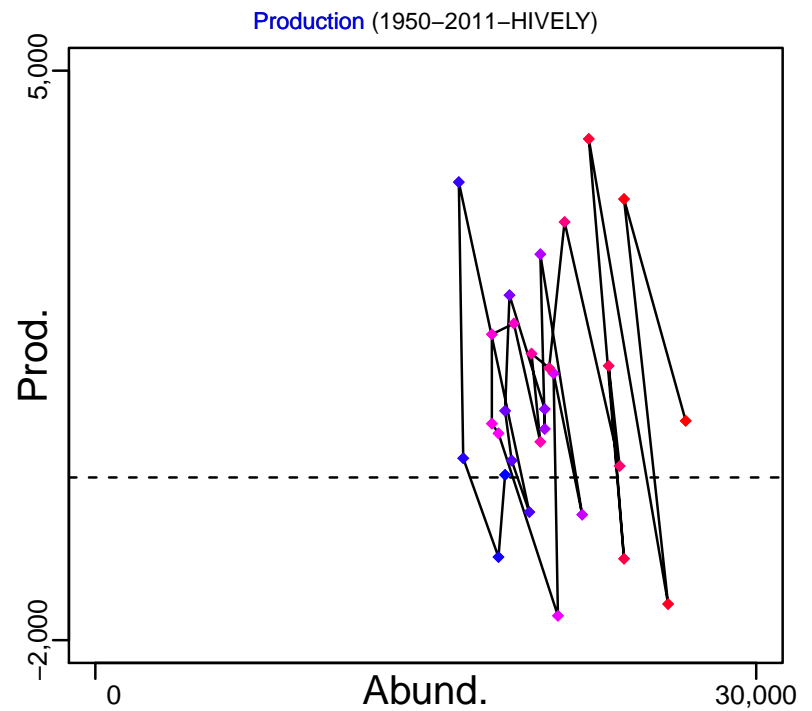
Kobe MSY*



Kobe MGT*



Spawner Recruit*

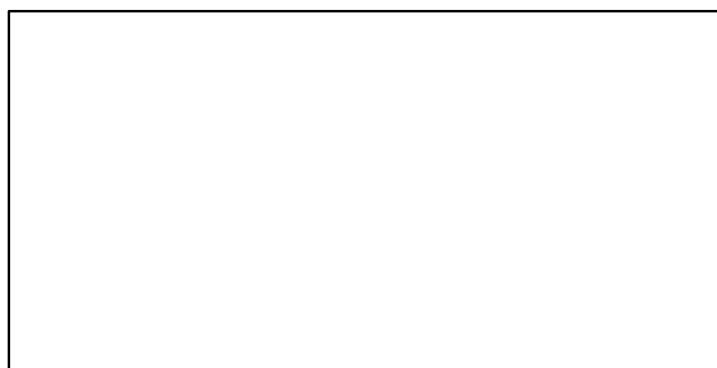
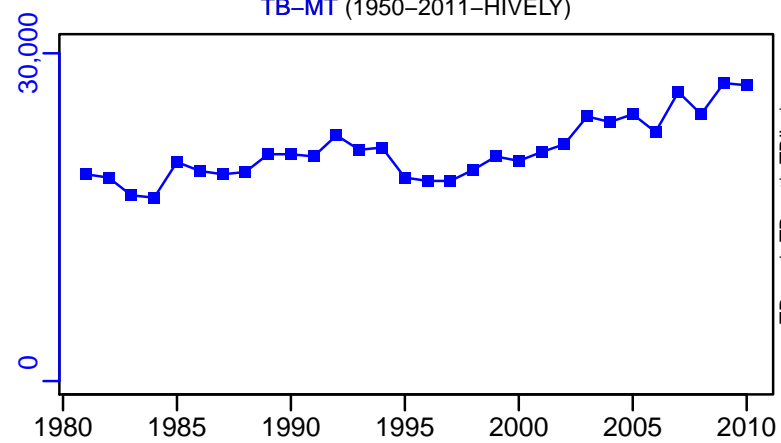


◆ Start Year ◆ End Year * No Data

Yellowtail Snapper Southern Atlantic Coast and Gulf of Mexico [YTSNAPSATLCGM]

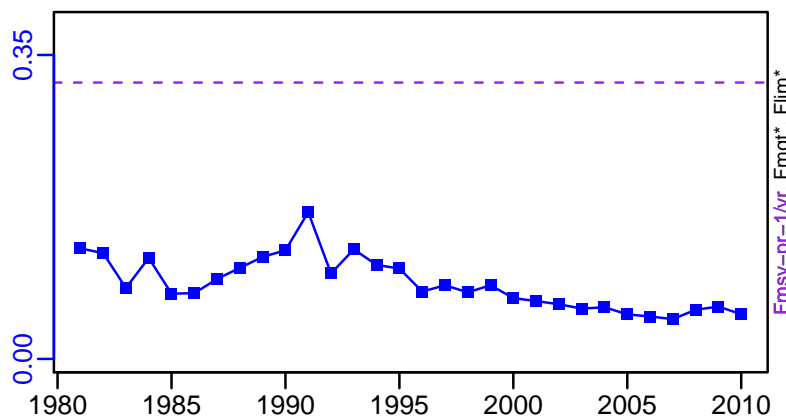
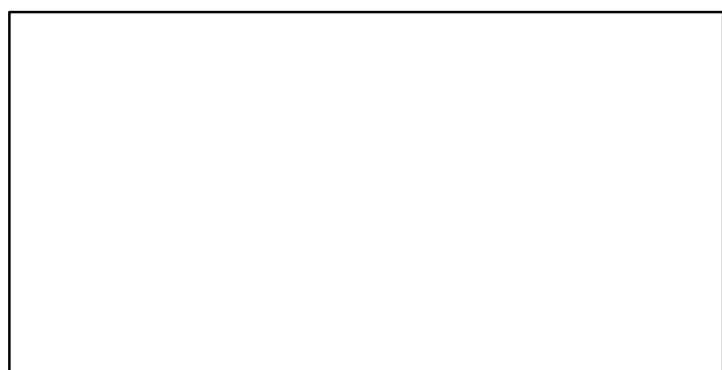
TB-MT (1950-2011-HIVELY)

SSB*



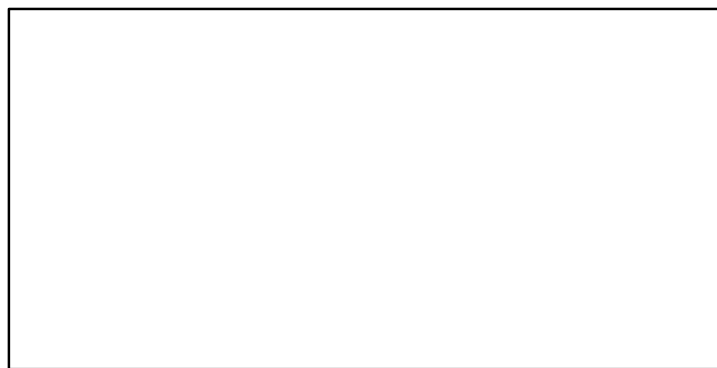
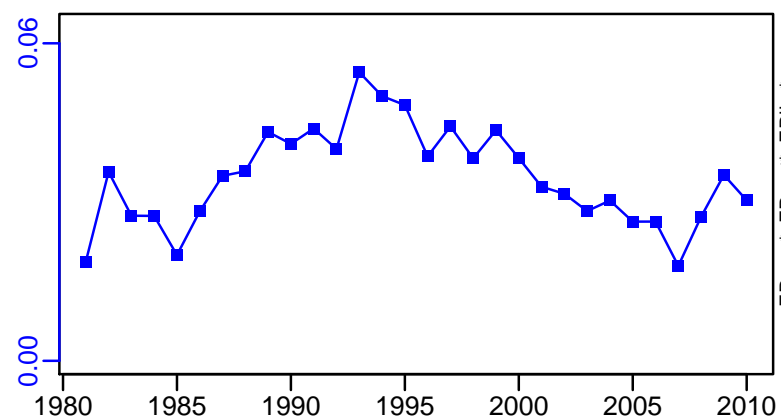
TN *

F-1/yr (1950-2011-HIVELY)



ER-calc-ratio (1950-2011-HIVELY)

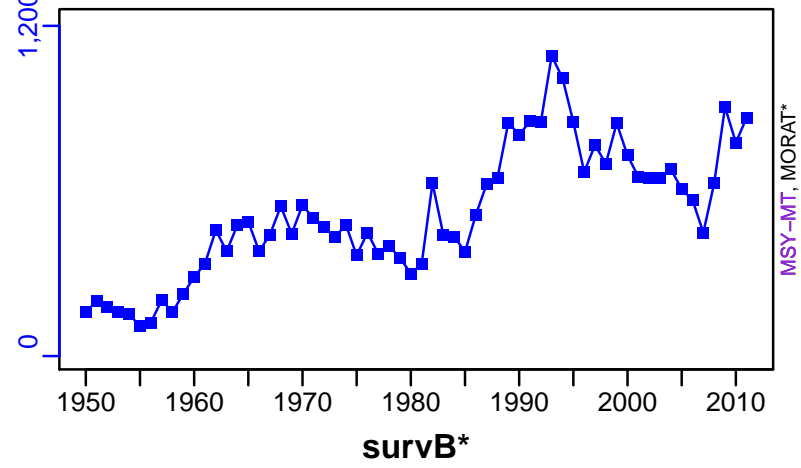
Recruits*



Yellowtail Snapper Southern Atlantic Coast and Gulf of Mexico [YTSNAPSATLCGM]

TL-MT, TC*, RecC* (1950-2011-HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*

