

US East Coast Stocks

v4.25 (Dec-14-2017)

1. Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]
2. American Plaice NAFO-5YZ [AMPL5YZ]
3. Atlantic Halibut NAFO-5YZ [ATHAL5YZ]
4. Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]
5. Atlantic wolffish Gulf of Maine / Georges Bank [AWOLF5YZ]
6. Blue Crab Chesapeake Bay [BCRABCHESB]
7. Bluefish Atlantic Coast [BLUEFISHATLC]
8. Black sea bass Mid-Atlantic Coast [BSBASSMATLC]
9. Barndoor skate Gulf of Marine / Georges Bank-Southern New England [BSKAT5YZSNE]
10. Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]
11. Atlantic cod NAFO 5Zjm [COD5Z]m]
12. Atlantic cod Georges Bank [CODGB]
13. Atlantic cod Gulf of Maine [CODGOM]
14. Clearnose skate Mid-Atlantic Coast [CSKATMATLC]
15. Haddock NAFO-5Y [HAD5Y]
16. Haddock Georges Bank [HADGB]
17. Atlantic herring Northwestern Atlantic Coast [HERRNWATLC]
18. Northern shortfin squid Northwestern Atlantic Coast [ILLEXNWATLC]
19. American lobster Georges Bank [LOBSTERGB]
20. American lobster Gulf of Maine [LOBSTERGOM]
21. American lobster Southern New England [LOBSTERSNE]
22. Little skate Gulf of Maine / Cape Hatteras [LSKAT5YCHATT]
23. Atlantic menhaden Atlantic [MENATLAN]
24. Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]
25. Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]
26. Ocean pout Northwestern Atlantic Coast [OPOUTNWATLC]
27. Northern shrimp Gulf of Maine [PANDALGOM]
28. Pollock NAFO-5YZ [POLL5YZ]
29. Ocean quahog Atlantic Coast [QUAHATLC]
30. Red deepsea crab Northwestern Atlantic [RDEEPCRABNWATL]
31. Red hake Gulf of Maine / Northern Georges Bank [RHAKEGOMNGB]
32. Red hake Southern Georges Bank / Mid-Atlantic [RHAKESGBMATL]
33. Rosette skate Mid-Atlantic Coast [RSKATMATLC]
34. Sea scallop Georges Bank and Mid-Atlantic Bight [SCALL5ZMAB]
35. Scalloped hammerhead Atlantic [SCHHEADATL]
36. Scup Atlantic Coast [SCUPNWATLC]
37. Spiny dogfish Atlantic Coast [SDOGATLC]
38. Summer flounder Mid-Atlantic Coast [SFLOUNMATLC]
39. Silver hake Gulf of Maine / Northern Georges Bank [SHAKEGOMNGB]
40. Silver hake Southern Georges Bank / Mid-Atlantic [SHAKESGBMATL]
41. Smooth dogfish Atlantic [SMDOGATL]
42. Smooth skate Gulf of Marine / Georges Bank-Southern New England [SSKAT5YZSNE]
43. Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]
44. Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]
45. Tilefish Mid-Atlantic Coast [TILEMATLC]
46. Thorny skate Gulf of Marine / Georges Bank-Southern New England [TSKAT5YZSNE]
47. Weakfish Atlantic Coast [WEAKFISHATLC]
48. White hake Georges Bank / Gulf of Maine [WHAKEGBGOM]
49. Windowpane flounder - Gulf of Maine / Georges Bank [WINDOWGOMGB]
50. Windowpane Southern New England-Mid Atlantic [WINDOWSNEMATL]

- 51. Winter Flounder NAFO-5Z [WINFLOUN5Z]
- 52. Winter Flounder NAFO-5Y [WINFLOUND5Y]
- 53. Winter Flounder Southern New England-Mid Atlantic [WINFLOUNSNEMATL]
- 54. Witch Flounder NAFO-5Y [WITFLOUN5Y]
- 55. Winter skate Gulf of Maine / Cape Hatteras [WSKAT5YCHATT]
- 56. Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]
- 57. Yellowtail flounder Georges Bank [YELLGB]
- 58. Yellowtail Flounder Southern New England-Mid Atlantic [YELLSNEMATL]

Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]

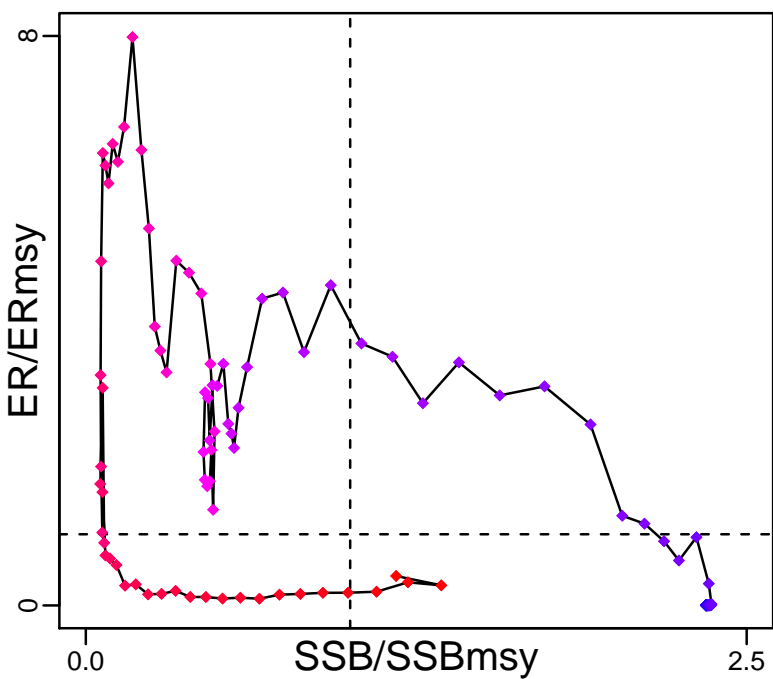
Metadata	
Scientific Name	Sebastes fasciatus
Current Assess ID	NEFSC-ACADREDGOMGB-1913-2014-SISIMP2016
Area	Gulf of Maine / Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2007, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	281,112
Fmsy	Fmsy-1/yr	2014	0.04
ERmsy	ERmsy-conv-ratio	2014	0.01
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	10,466
M	M-1/yr	2007	0.05
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	140,556
Flim	Flim-1/yr	2014	0.04
ERlim	-	-	-

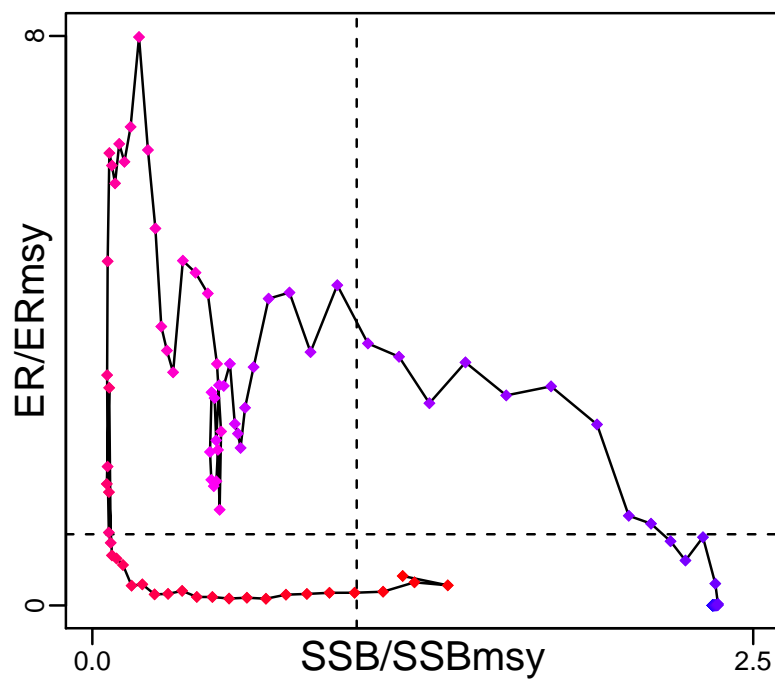
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	330,000	Both	-
TN	-	-	-	-	-
R	R-E00	2014	1.09×10^8	-	1
F	F-1/yr	2014	0	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	5090		
TL	TL-MT	2007	787		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	1.17		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.39		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.41		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]

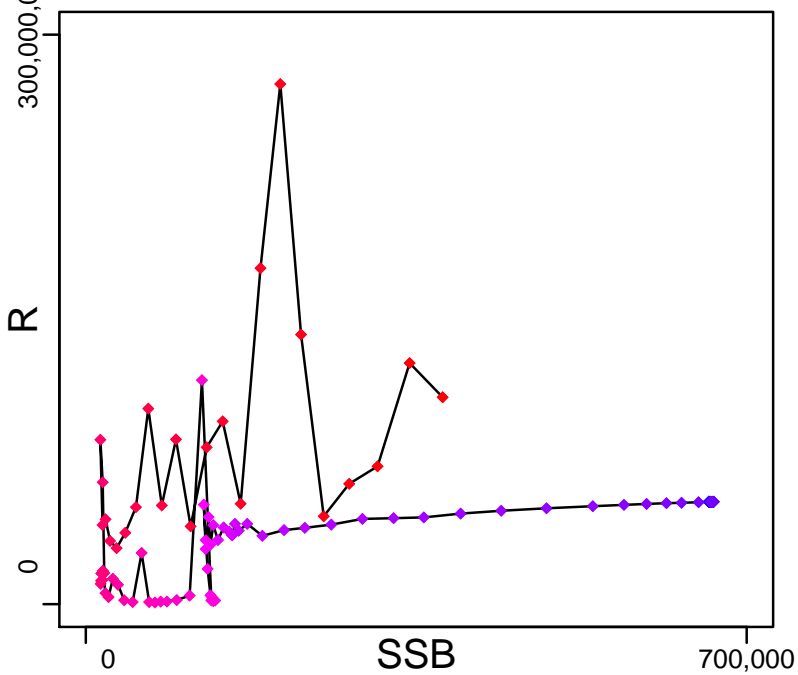
Kobe MSYpref (1913–2014–SISIMP2016)



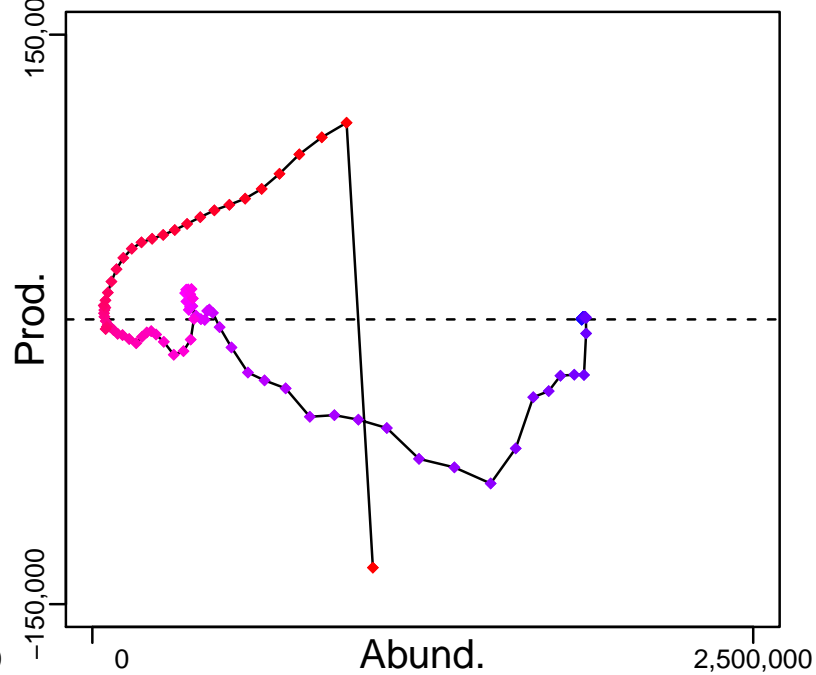
Kobe MGTpref (1913–2014–SISIMP2016)



Spawner Recruit (1913–2014–SISIMP2016)



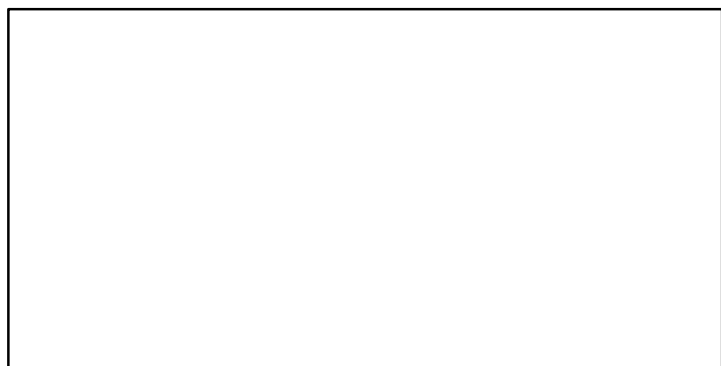
Production (1913–2014–SISIMP2016)



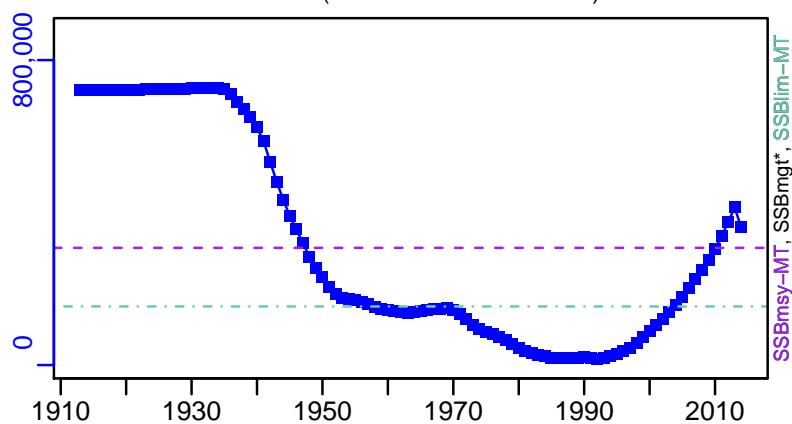
◆ Start Year ◆ End Year * No Data

Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]

TB*



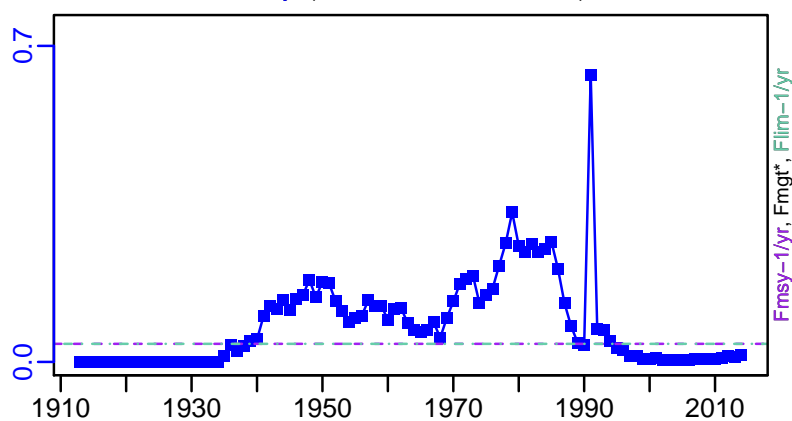
SSB-MT (1913-2014-SISIMP2016)



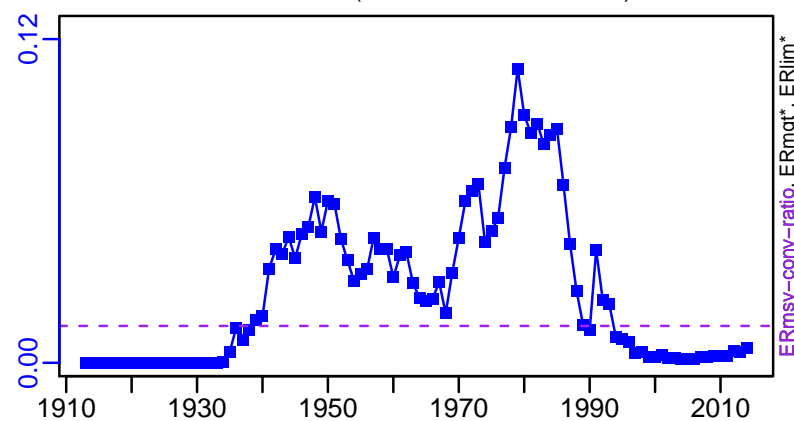
TN *



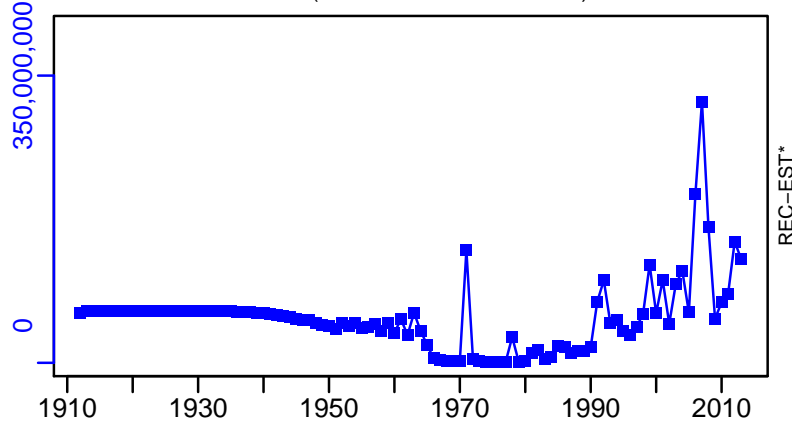
F-1/yr (1913-2014-SISIMP2016)



ER-calc-ratio (1913-2014-SISIMP2016)



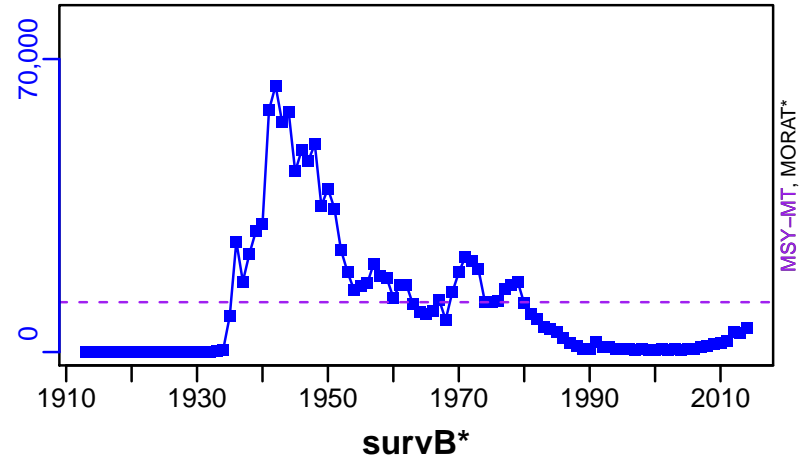
R-E00 (1913-2014-SISIMP2016)



Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]

TC-MT, TL*, RecC* (1913-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



American Plaice NAFO-5YZ [AMPL5YZ]

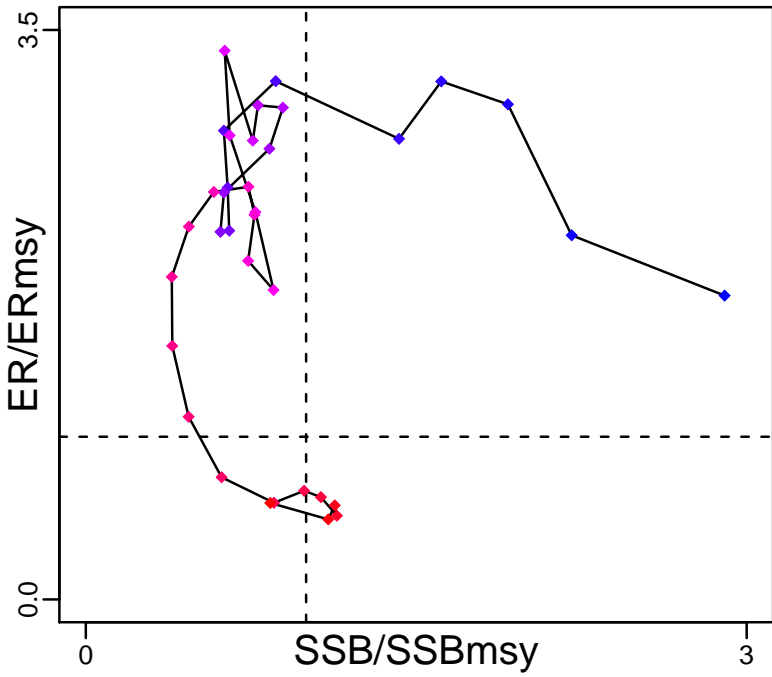
Metadata	
Scientific Name	Hippoglossoides platessoides
Current Assess ID	NEFSC-AMPL5YZ-1980-2014-SISIMP2016
Area	Gulf of Maine / Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2010, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	13,107
Fmsy	Fmsy-1/yr	2014	0.2
ERmsy	ERmsy-conv-ratio	2014	0.11
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	2675
M	M-1/yr	2010	0.2
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	6553
Flim	Flim-1/yr	2014	0.2
ERlim	-	-	-

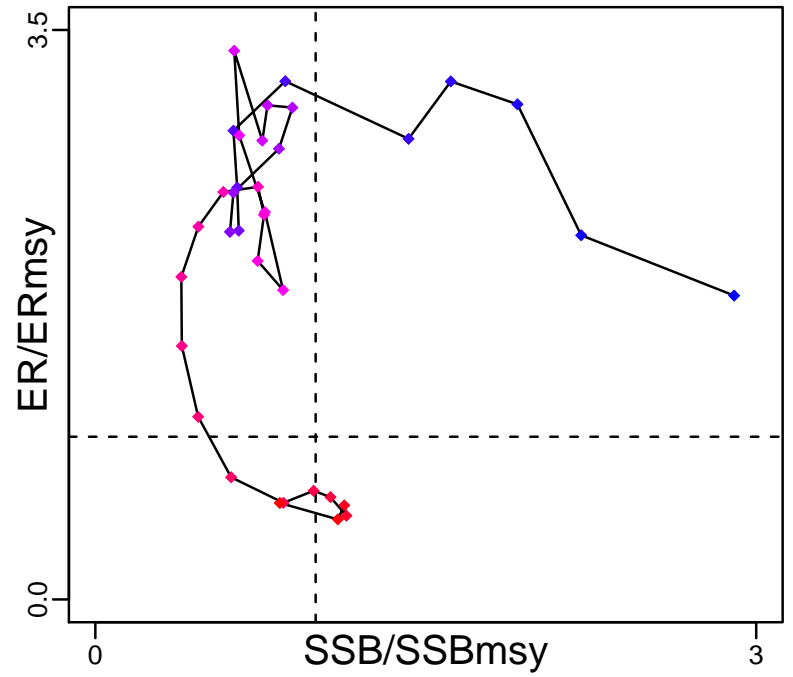
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	11,000	-	-
TN	-	-	-	-	-
R	R-E00	2014	30,300,000	-	1
F	F-1/yr	2014	0	-	6 to 9
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	1330		
TL	TL-MT	2010	1400		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.84		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.61		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.59		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

American Plaice NAFO-5YZ [AMPL5YZ]

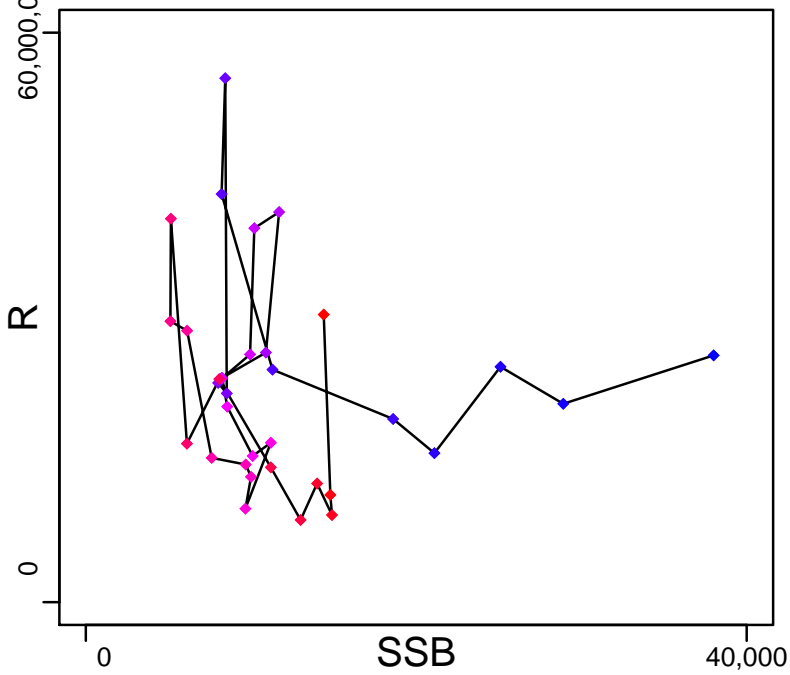
Kobe MSYpref (1980-2014-SISIMP2016)



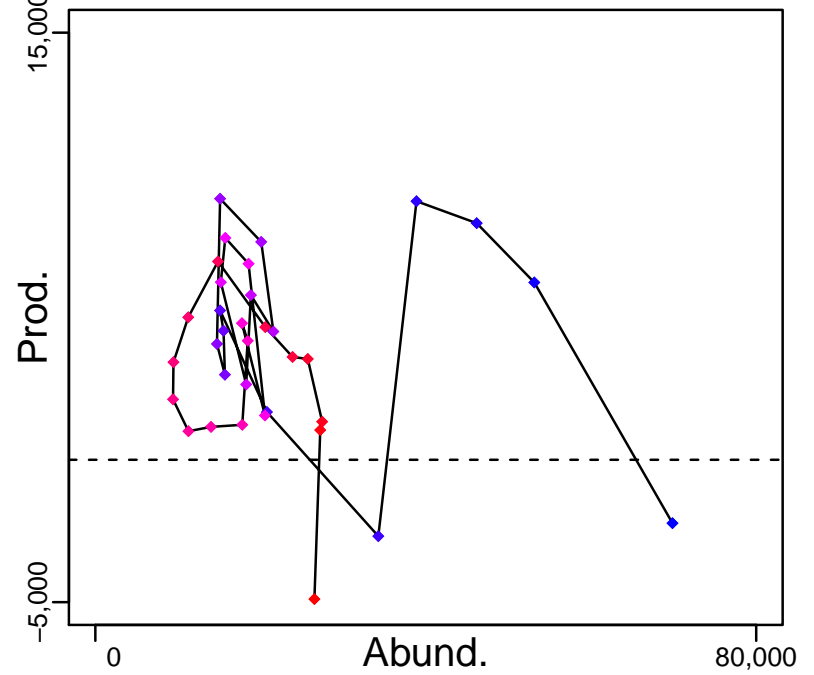
Kobe MGTpref (1980-2014-SISIMP2016)



Spawner Recruit (1980-2014-SISIMP2016)



Production (1980-2014-SISIMP2016)



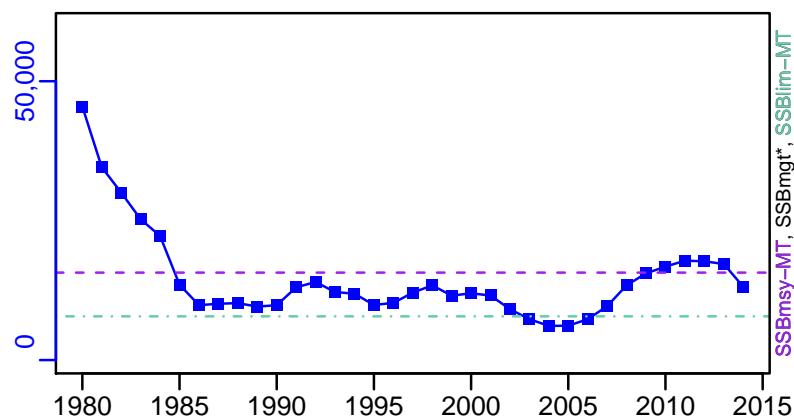
◆ Start Year ◆ End Year * No Data

American Plaice NAFO-5YZ [AMPL5YZ]

TB*



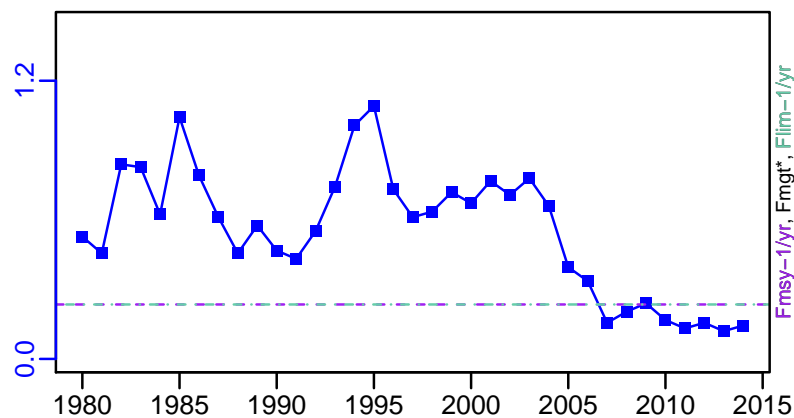
SSB-MT (1980-2014-SISIMP2016)



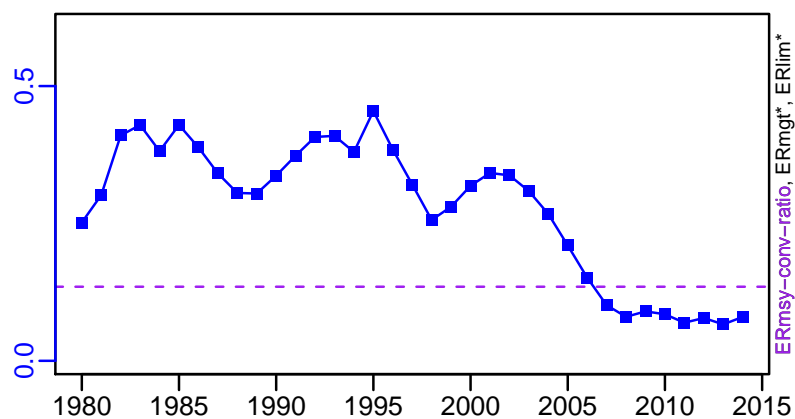
TN *



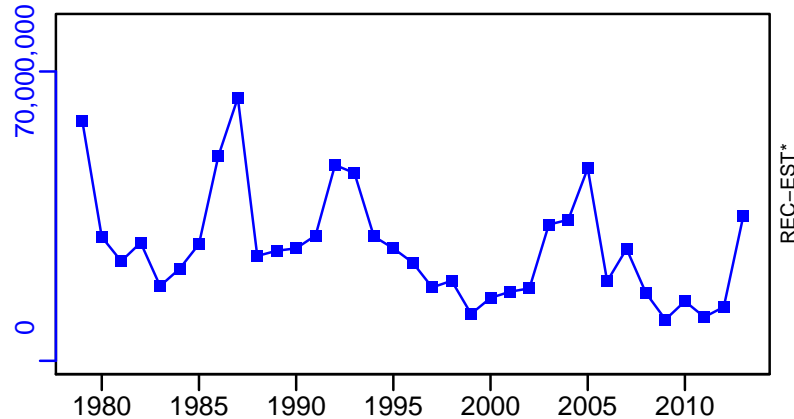
F-1/yr (1980-2014-SISIMP2016)



ER-calc-ratio (1980-2014-SISIMP2016)



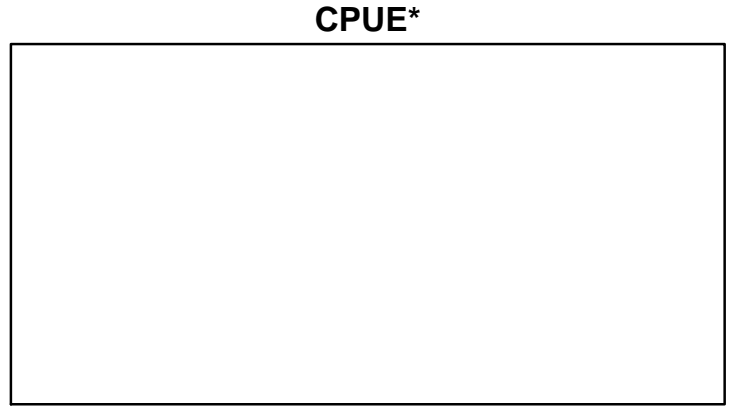
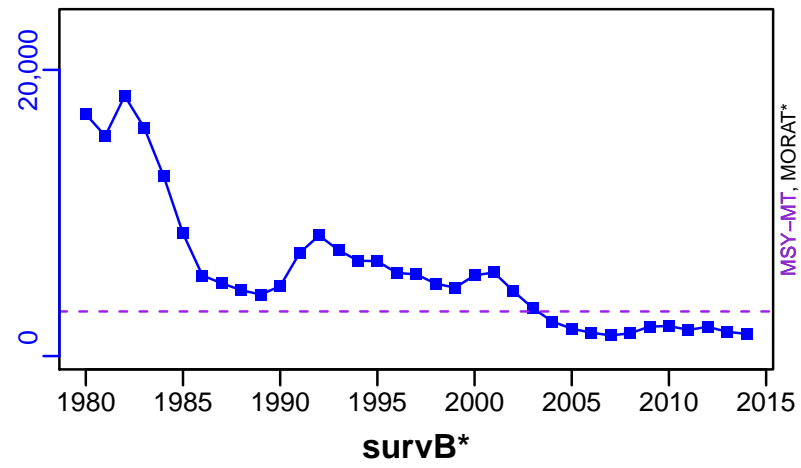
R-E00 (1980-2014-SISIMP2016)



American Plaice NAFO-5YZ [AMPL5YZ]

TC-MT, TL*, RecC* (1980-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Atlantic Halibut NAFO-5YZ [ATHAL5YZ]

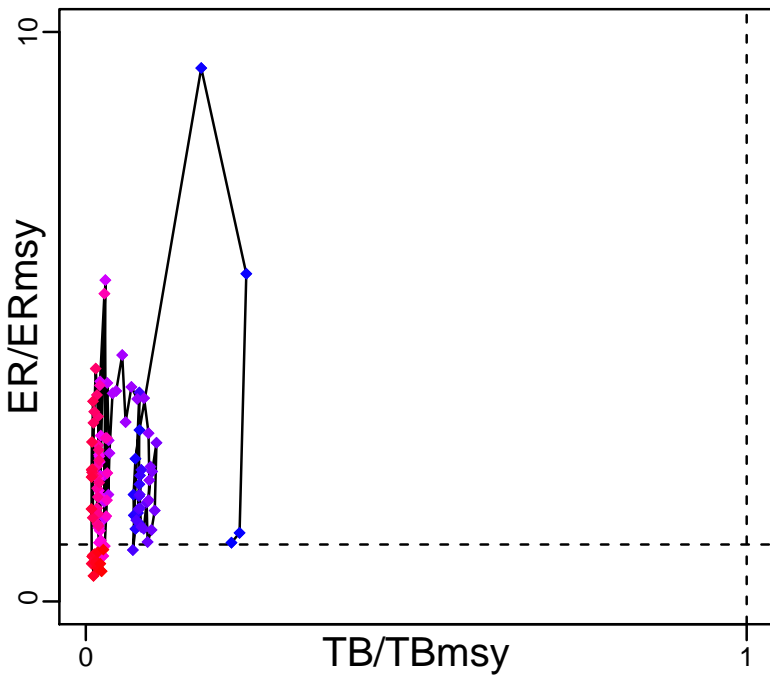
Metadata	
Scientific Name	Hippoglossus hippoglossus
Current Assess ID	NEFSC-ATHAL5YZ-1800-2007-COL
Area	Gulf of Maine / Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2007

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2007	49,000
SSBmsy	SSBmsy-MT	2007	49,000
Fmsy	Fmsy-1/yr	2007	0.07
ERmsy	ERmsy-ratio	2007	0.07
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2007	3500
M	M-1/yr	2007	0.15
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

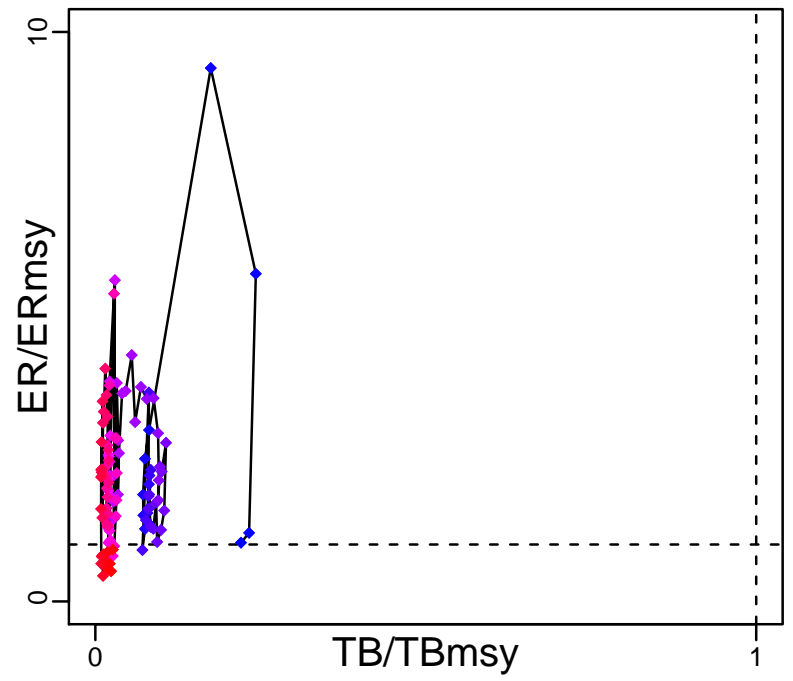
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2007	1300	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2007	0	-	-
ER	ER-ratio	2007	0	-	-
TC	TC-MT	2007	84.2		
TL	TL-MT	2007	52		
TB/TBmsy	TB-MT/TBmsy-MT	2007	0.03		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2007	0.89		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	0.91		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Atlantic Halibut NAFO-5YZ [ATHAL5YZ]

Kobe MSYpref (1800-2007-COL)



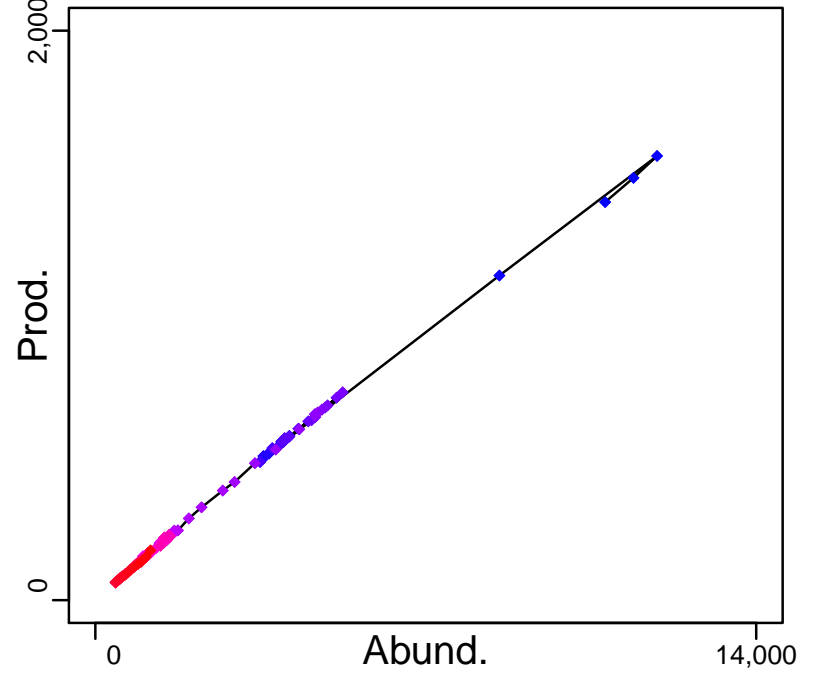
Kobe MGTpref (1800-2007-COL)



Spawner Recruit*



Production (1800-2007-COL)

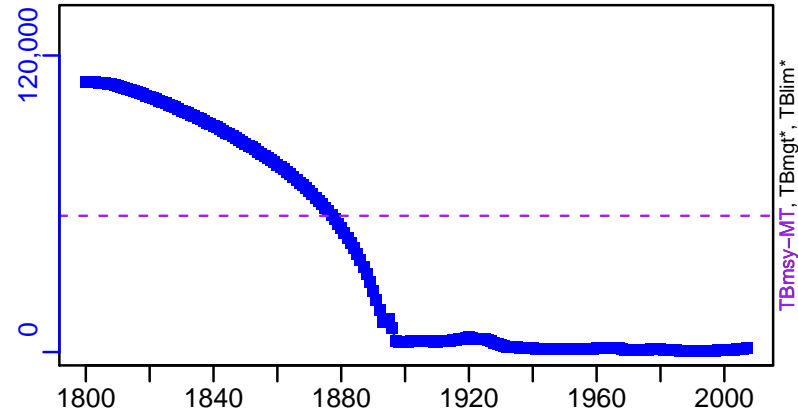


◆ Start Year ◆ End Year * No Data

Atlantic Halibut NAFO-5YZ [ATHAL5YZ]

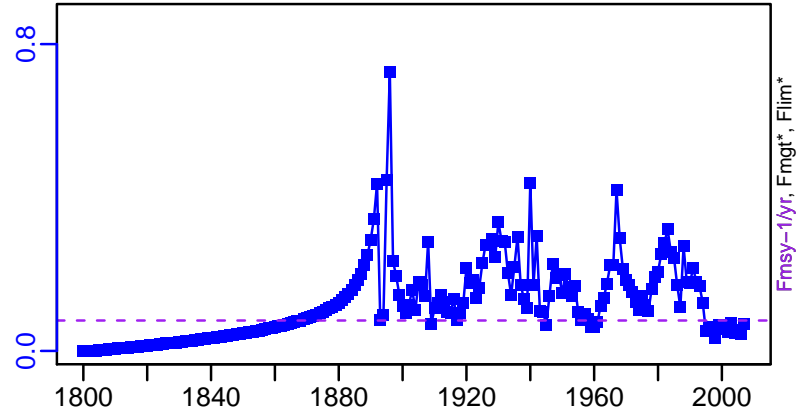
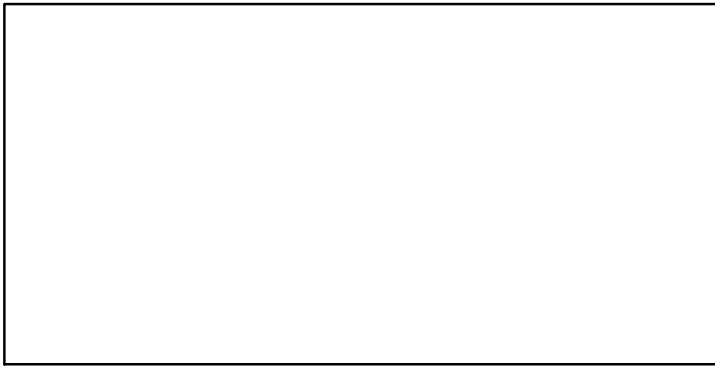
TB-MT (1800-2007-COL)

SSB*



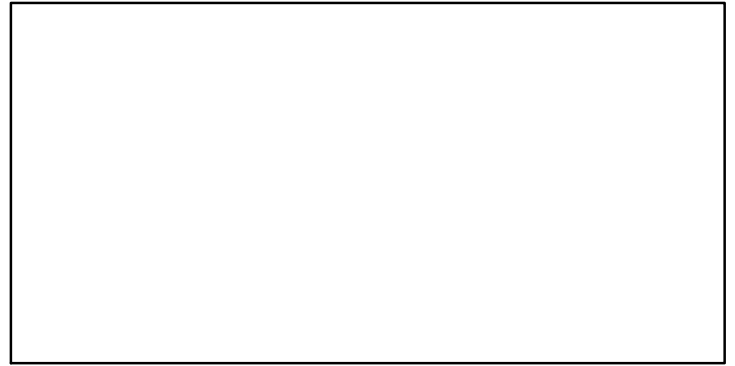
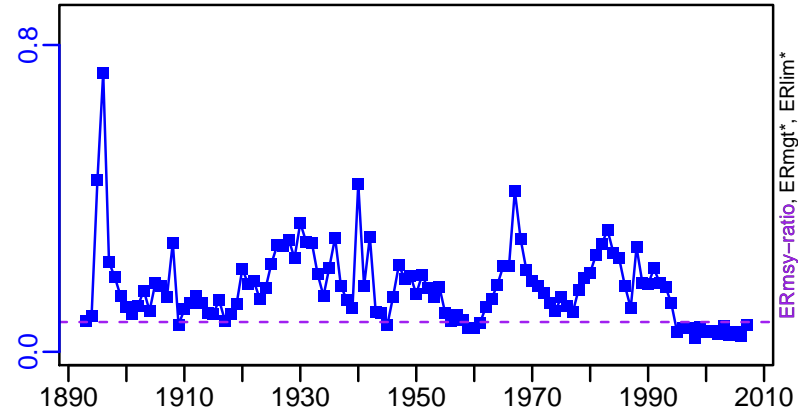
TN *

F-1/yr (1800-2007-COL)



ER-ratio (1800-2007-COL)

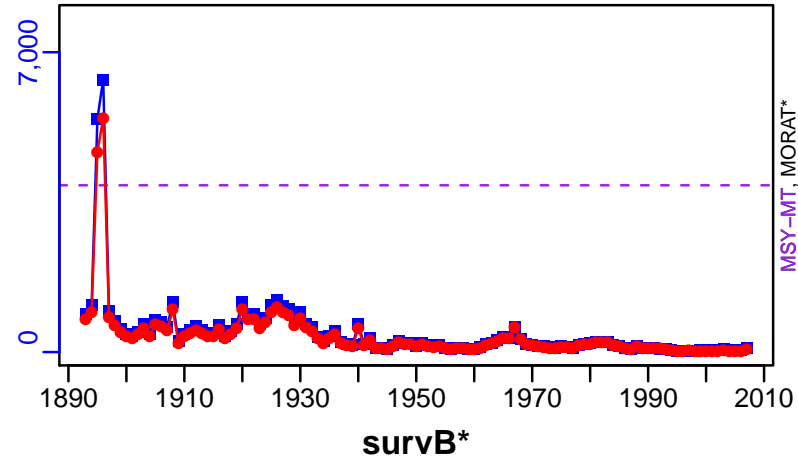
Recruits*



Atlantic Halibut NAFO-5YZ [ATHAL5YZ]

TC-MT, TL-MT, RecC* (1800-2007-COL)

TAC*, Cpair*, Cadv*



EFFORT*



Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]

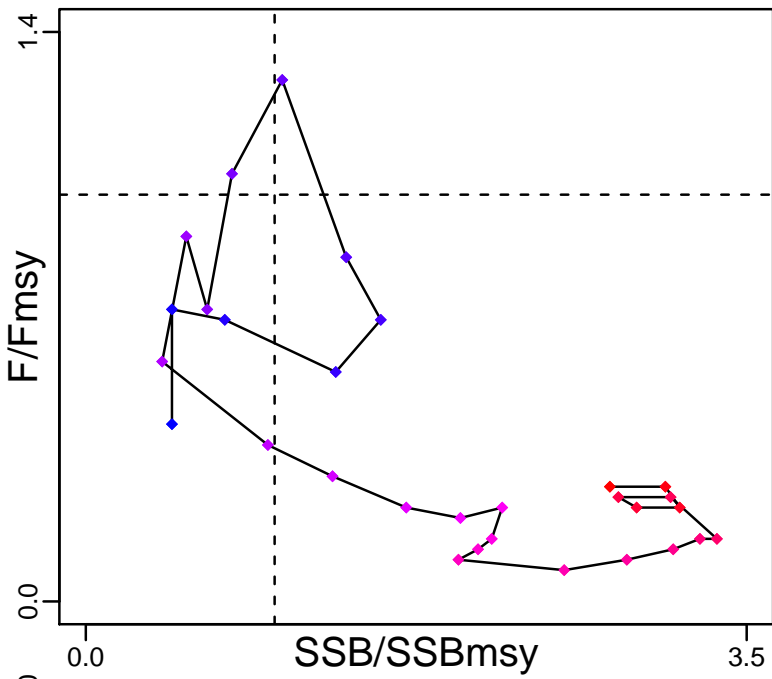
Metadata	
Scientific Name	Micropogonias undulatus
Current Assess ID	ASMFC-ATLCROAKMATLC-1973-2002-STANTON
Area	Mid-Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Atlantic States Marine Fisheries Commission
Asmts in RAM	2002

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2002	28,932
Fmsy	Fmsy-1/yr	2002	0.39
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2002	0.3
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

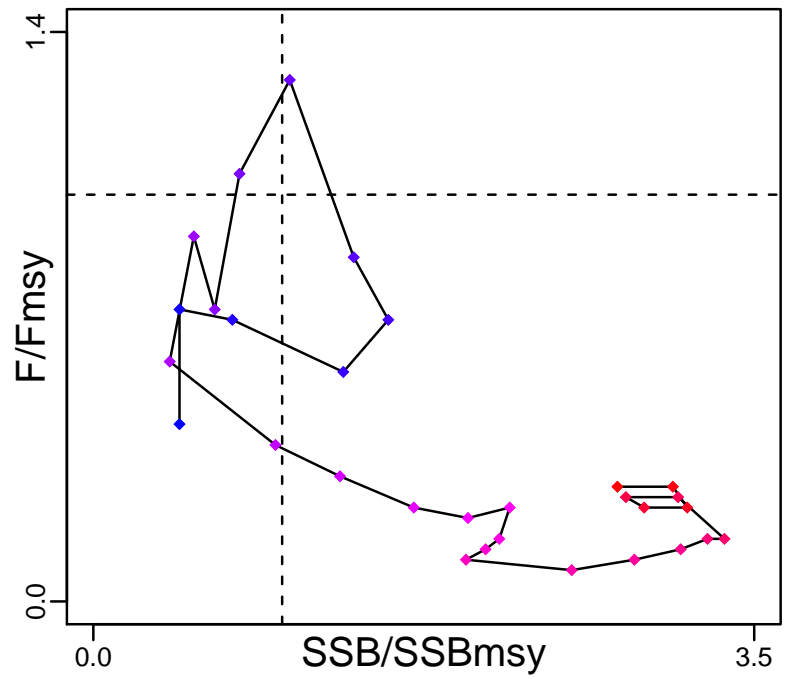
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2002	80,300	Females	1+
TN	-	-	-	-	-
R	R-E00	2002	3.39×10^8	-	0
F	F-1/yr	2002	0	-	1 to 10
ER	ER-ratio	2002	0	-	-
TC	-	-	-		
TL	TL-MT	2002	16,300		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2002	2.78		
F/Fmsy	F-1/yr/Fmsy-1/yr	2002	0.28		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]

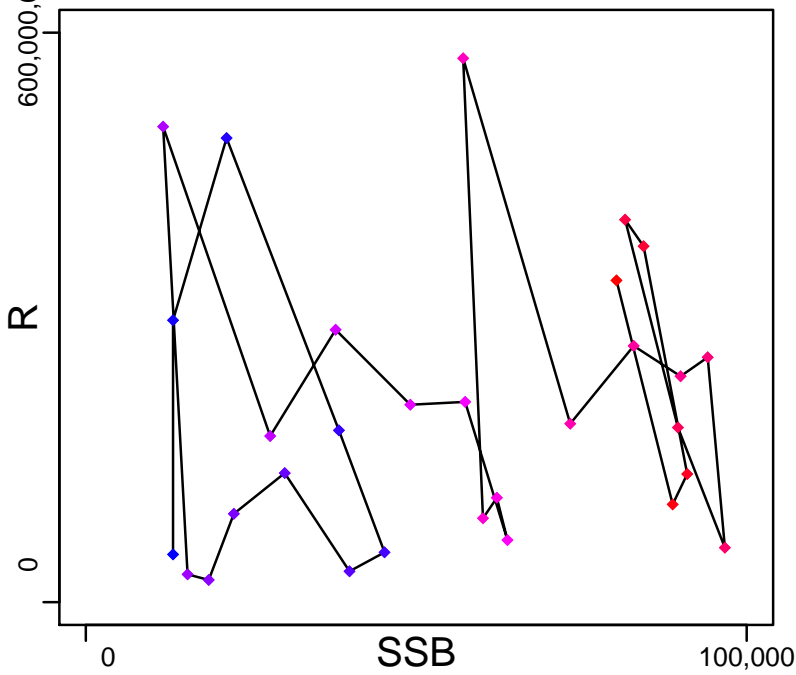
Kobe MSYpref (1973–2002–STANTON)



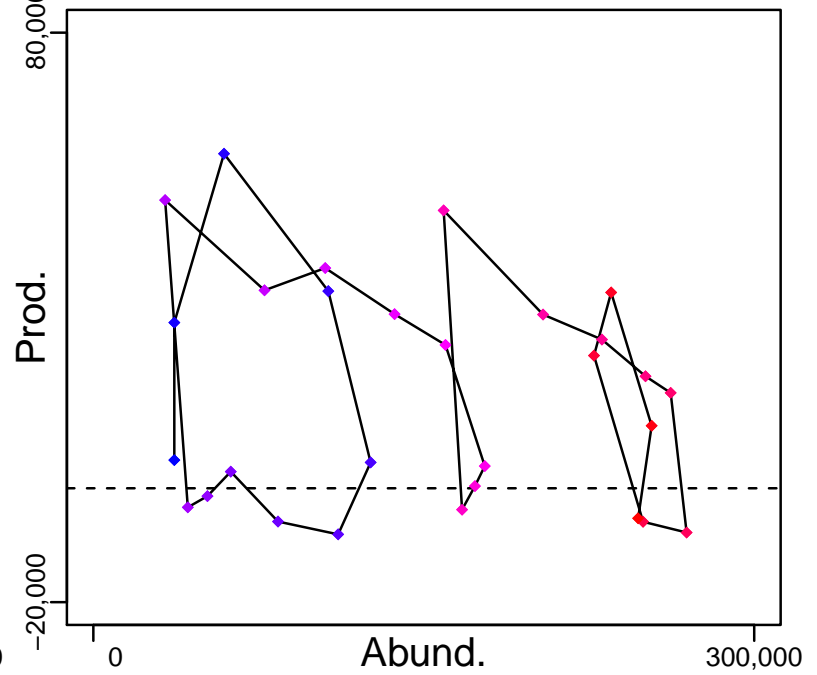
Kobe MGTpref (1973–2002–STANTON)



Spawner Recruit (1973–2002–STANTON)



Production (1973–2002–STANTON)



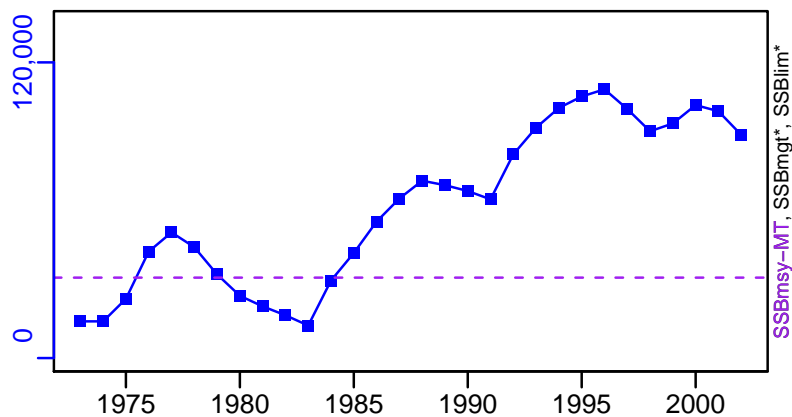
◆ Start Year ◆ End Year * No Data

Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]

TB*



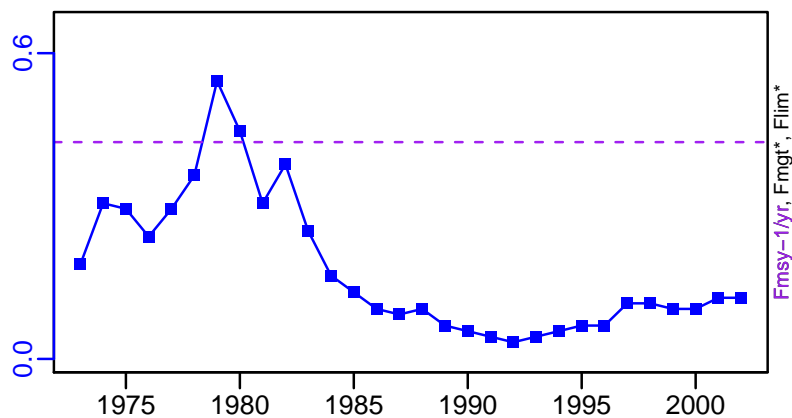
SSB-MT (1973-2002-STANTON)



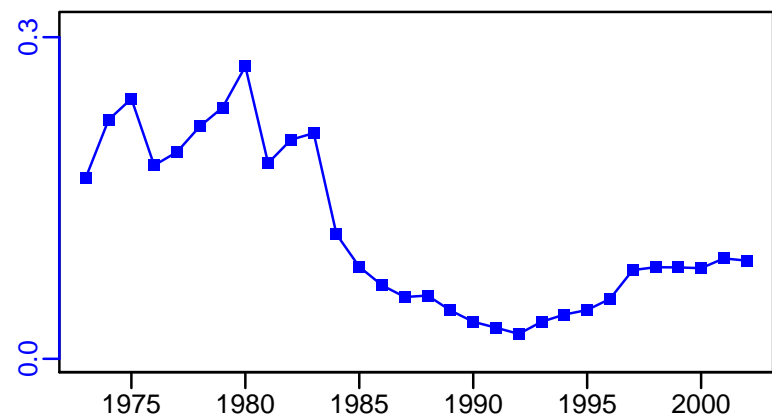
TN *



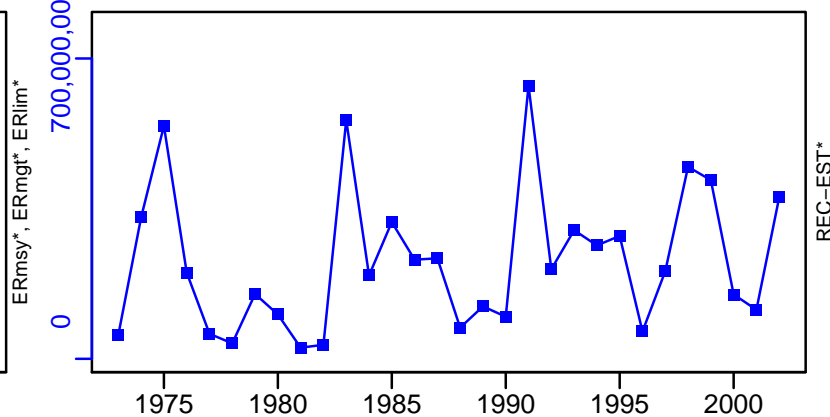
F-1/yr (1973-2002-STANTON)



ER-ratio (1973-2002-STANTON)

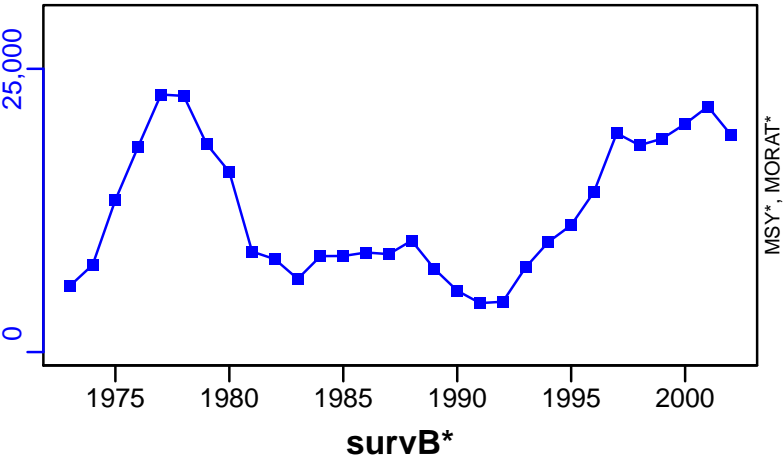


R-E00 (1973-2002-STANTON)



Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]

TL-MT, TC*, RecC* (1973-2002-STANTON)



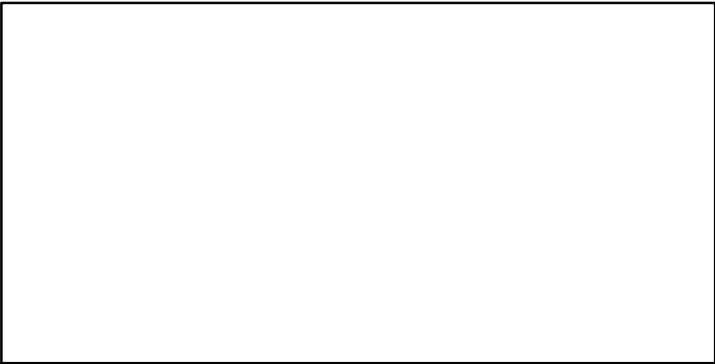
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Atlantic wolffish Gulf of Maine / Georges Bank [AWOLF5YZ]

Metadata	
Scientific Name	Anarhichas lupus
Current Assess ID	NEFSC-AWOLF5YZ-1968-2014-SISIMP2016
Area	Gulf of Maine / Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2014	0.24
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	244
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	Flim-1/yr	2014	0.24
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2014	0	-	-
ER	-	-	-	-	-
TC	TC-MT	2014	1.22		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.01		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Atlantic wolffish Gulf of Maine / Georges Bank [AWOLF5YZ]

TB*



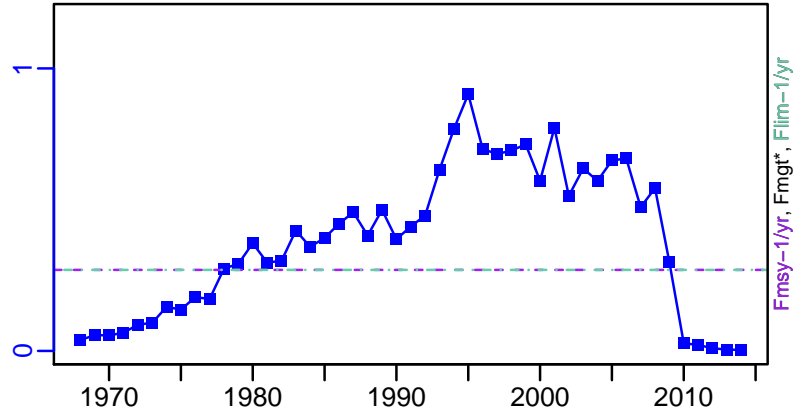
SSB*



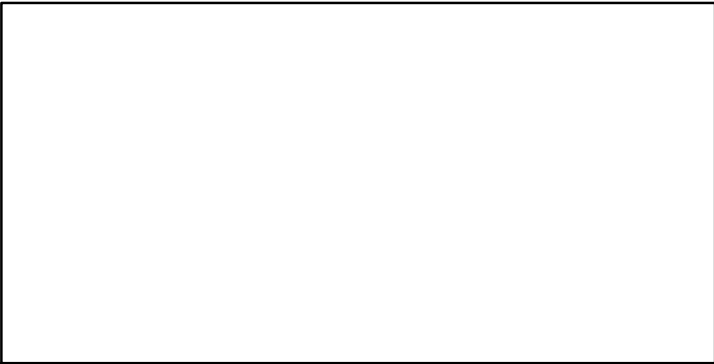
TN *



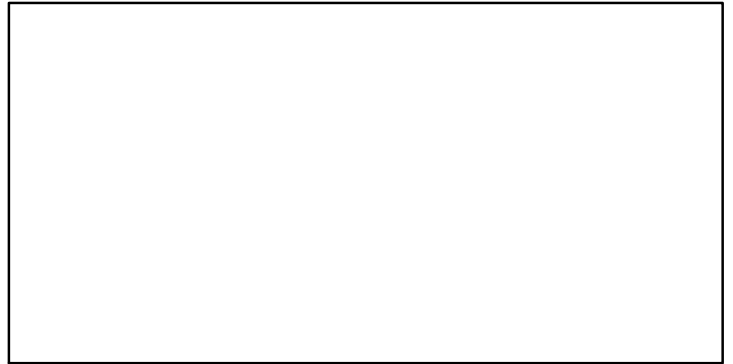
F-1/yr (1968–2014–SISIMP2016)



ER*



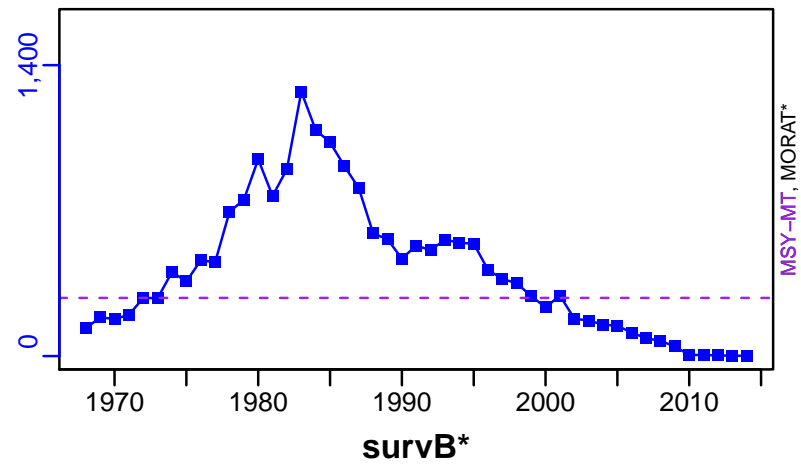
Recruits*



Atlantic wolffish Gulf of Maine / Georges Bank [AWOLF5YZ]

TC-MT, TL*, RecC* (1968-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Blue Crab Chesapeake Bay [BCRABCHESB]

Metadata	
Scientific Name	Callinectes sapidus
Current Assess ID	CBP-BCRABCHESB-1990-2010-HIVELY
Area	Cheapeake Bay
Management Authority	State of Maryland
Assessor	Chesapeake Bay Program
Asmts in RAM	2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2010	0.34
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	TN-E00	2010	1.77×10^8	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2010	0	-	-
TC	TC-E00	2010	1.69×10^8		
TL	TL-MT	2010	24,400		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2010	0.57		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

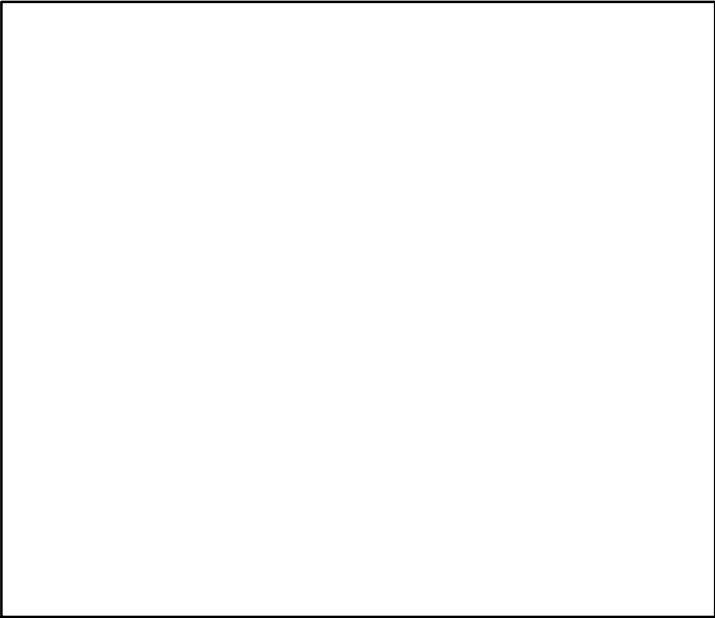
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Blue Crab Chesapeake Bay [BCRABCHESB]

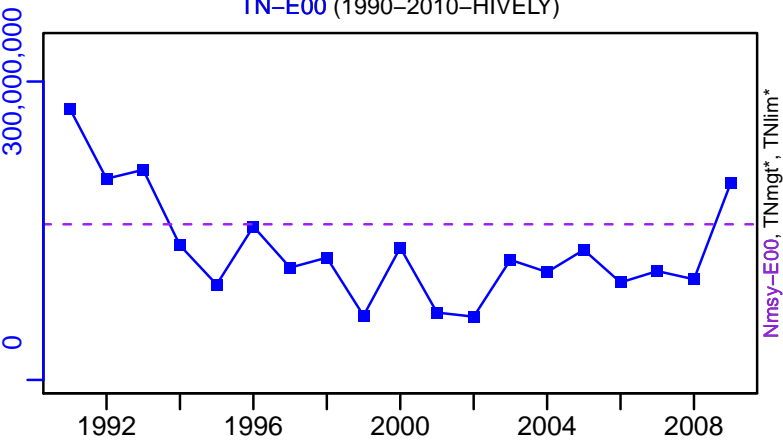
TB*



SSB*



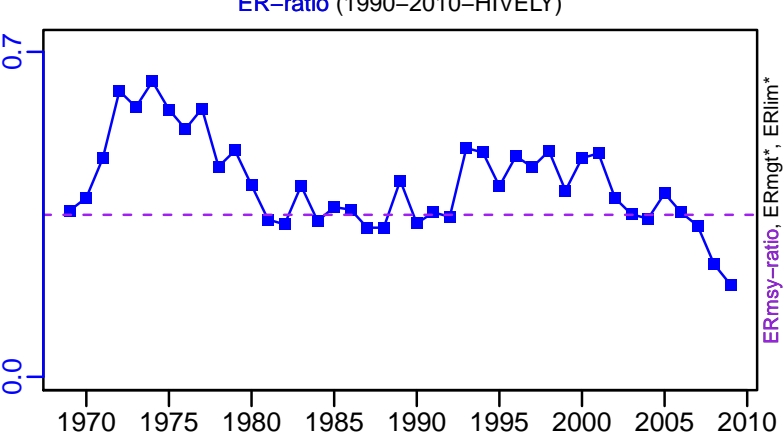
TN-E00 (1990-2010-HIVELY)



F*



ER-ratio (1990-2010-HIVELY)

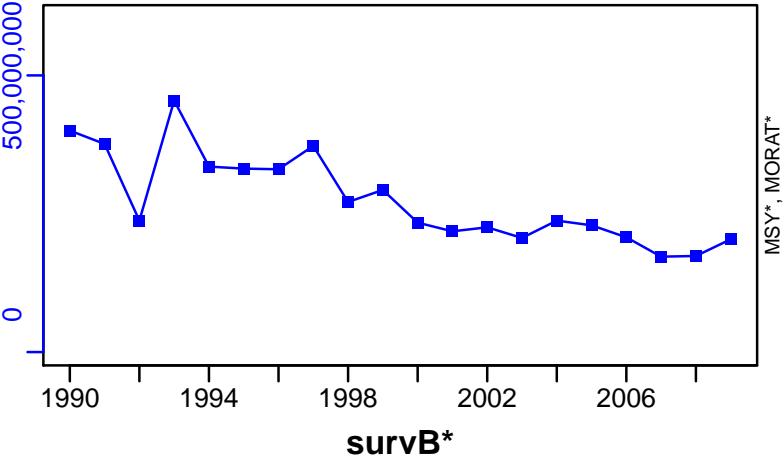


Recruits*



Blue Crab Chesapeake Bay [BCRABCHESB]

TC-E00, TL*, RecC* (1990–2010–HIVELY)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Bluefish Atlantic Coast [BLUEFISHATLC]

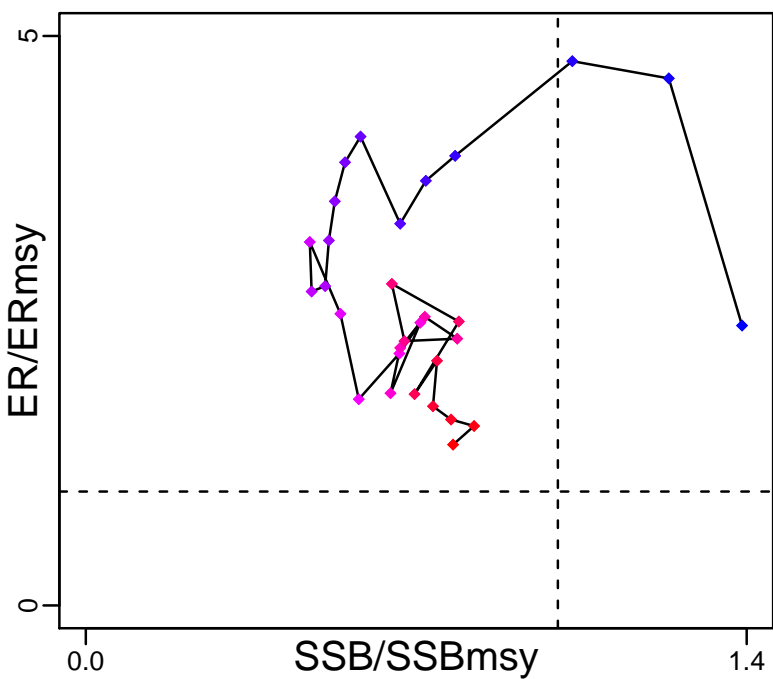
Metadata	
Scientific Name	Pomatomus saltatrix
Current Assess ID	NEFSC-BLUEFISHATLC-1985-2014-SISIMP2016
Area	Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2007, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2007	147,052
SSBmsy	SSBmsy-MT	2014	111,228
Fmsy	Fmsy-1/yr	2014	0.17
ERmsy	ERmsy-ratio	2007	0.11
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	13,967
M	M-1/yr	2007	0.2
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	55,614
Flim	Flim-1/yr	2014	0.17
ERlim	-	-	-

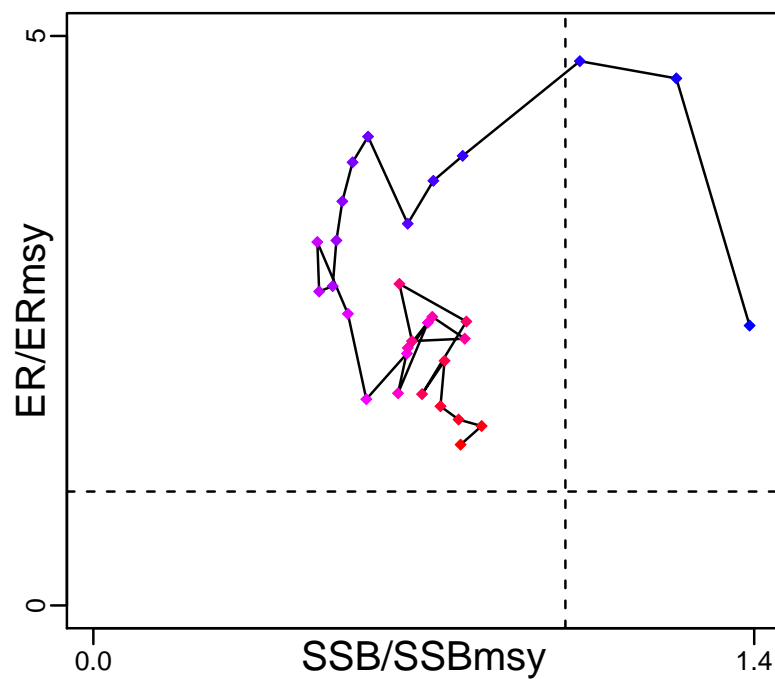
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	94,300	-	-
SSB	SSB-MT	2014	86,500	-	-
TN	-	-	-	-	-
R	R-E00	2014	29,600,000	-	0
F	F-1/yr	2014	0	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	9820		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-MT	2007	1.05		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.78		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.92		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	0.95		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Bluefish Atlantic Coast [BLUEFISHATLC]

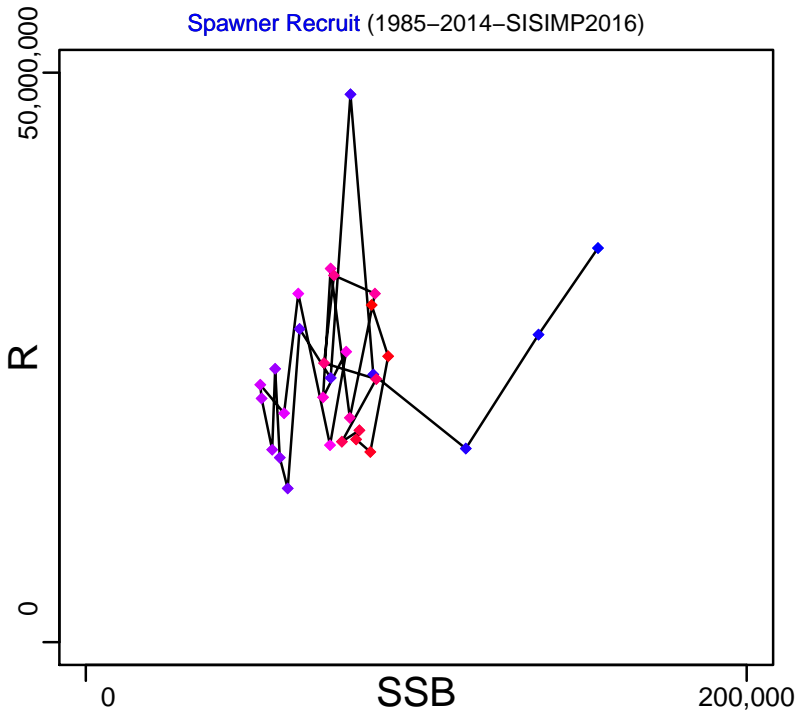
Kobe MSYpref (1985–2014–SISIMP2016)



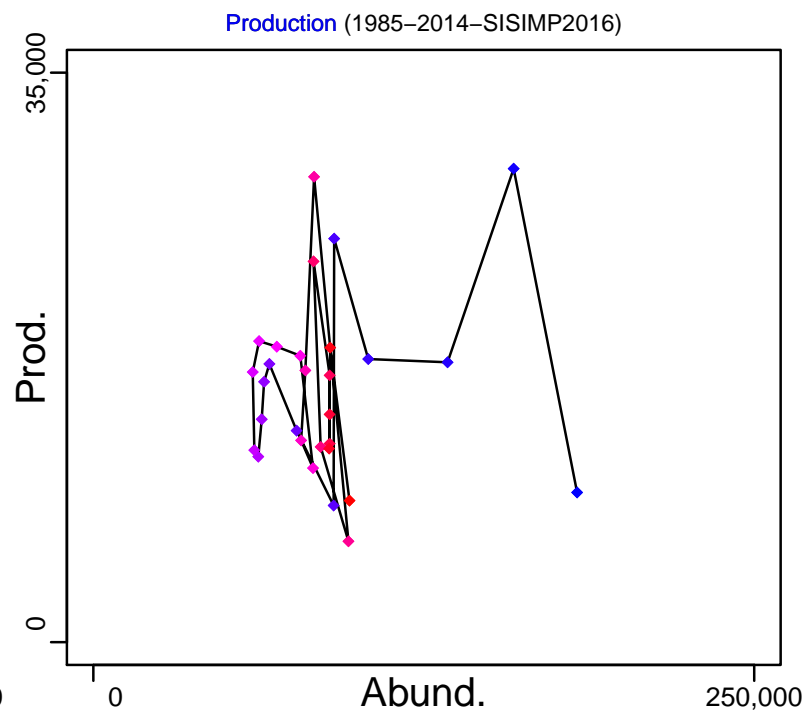
Kobe MGTpref (1985–2014–SISIMP2016)



Spawner Recruit (1985–2014–SISIMP2016)



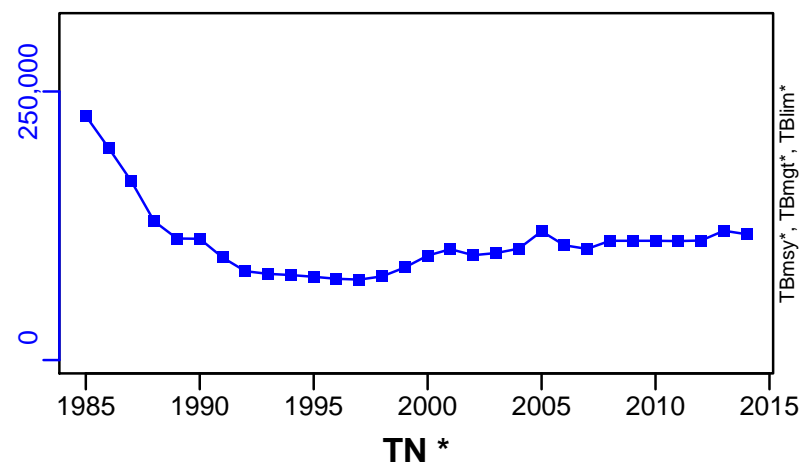
Production (1985–2014–SISIMP2016)



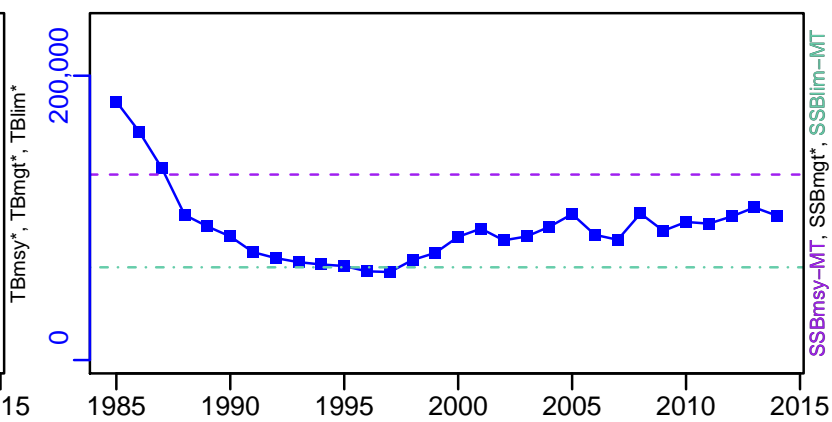
◆ Start Year ◆ End Year * No Data

Bluefish Atlantic Coast [BLUEFISHATLC]

TB-MT (1985–2014–SISIMP2016)

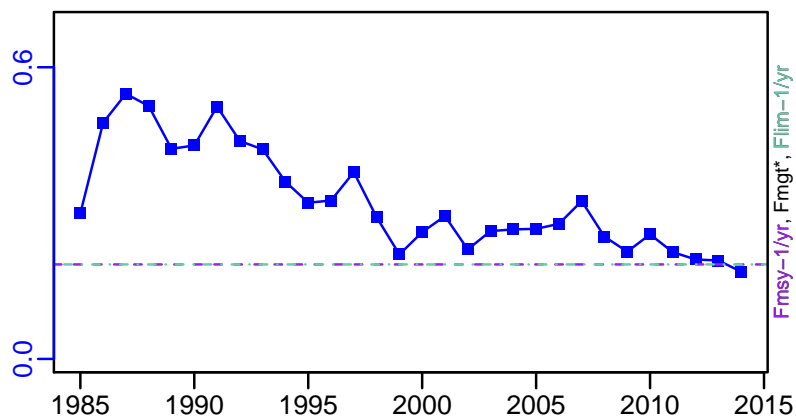


SSB-MT (1985–2014–SISIMP2016)

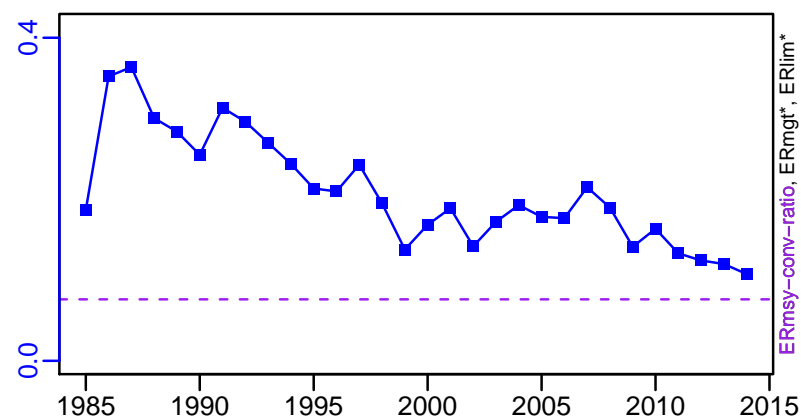


TN *

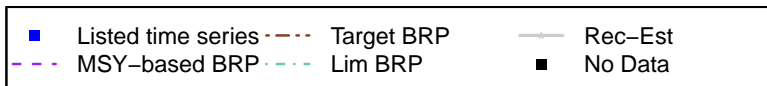
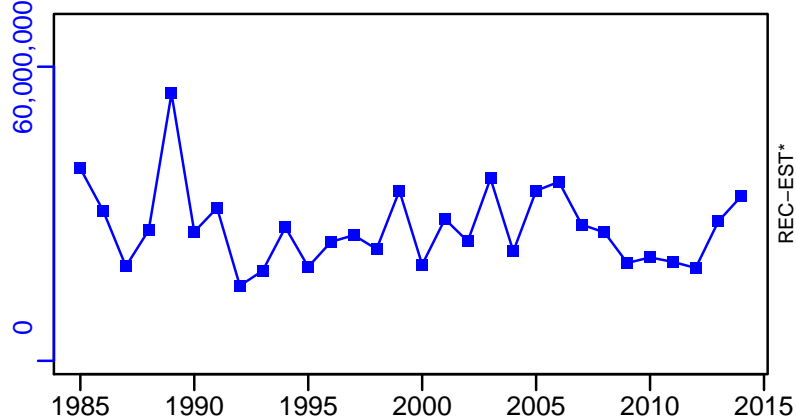
F-1/yr (1985–2014–SISIMP2016)



ER-calc-ratio (1985–2014–SISIMP2016)



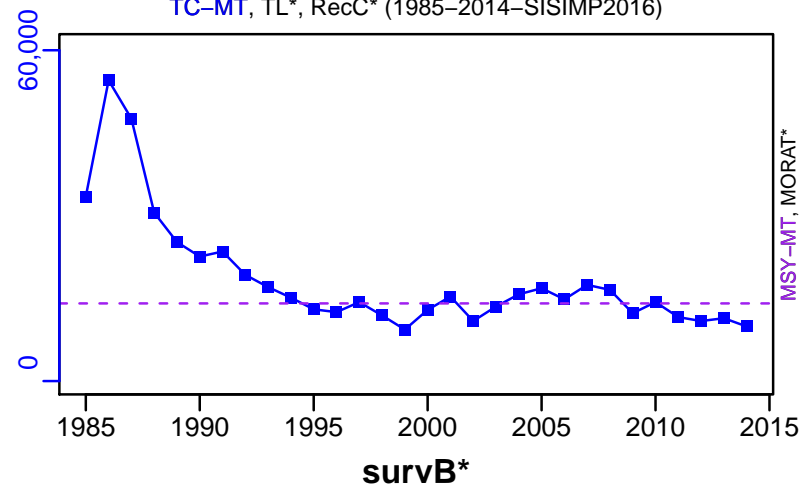
R-E00 (1985–2014–SISIMP2016)



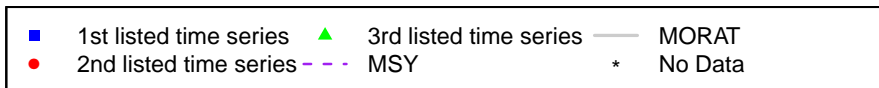
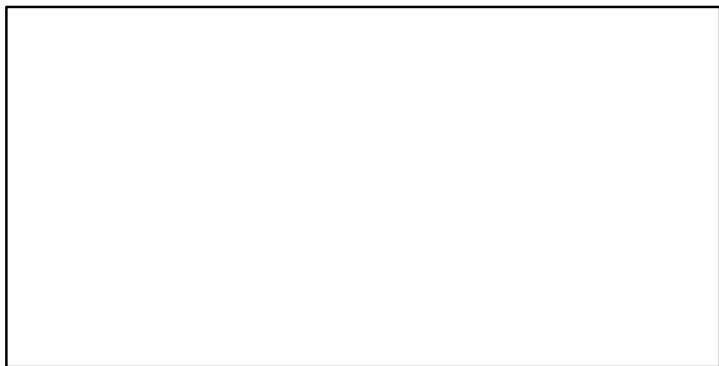
Bluefish Atlantic Coast [BLUEFISHATLC]

TC-MT, TL*, RecC* (1985-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Black sea bass Mid-Atlantic Coast [BSBASSMATLC]

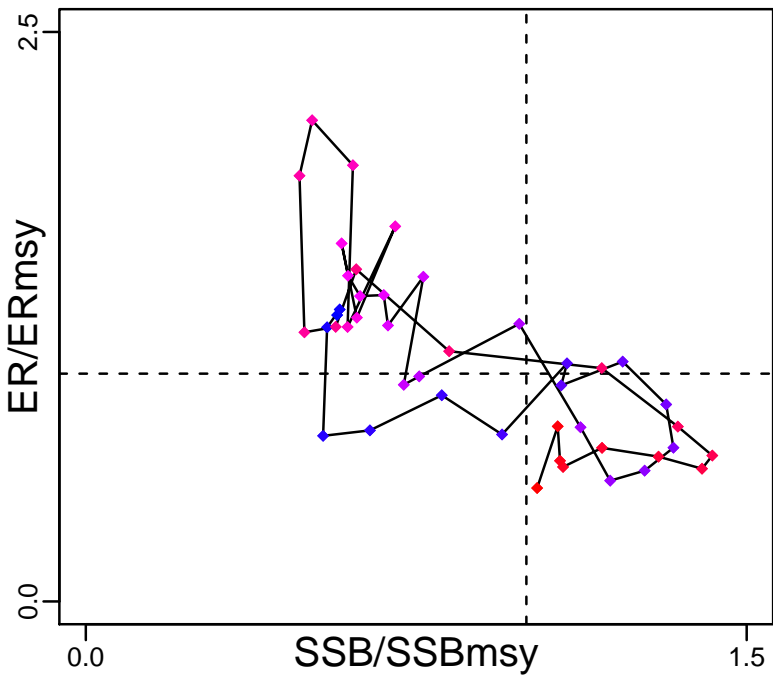
Metadata	
Scientific Name	Centropristis striata
Current Assess ID	NEFSC-BSBASSMATLC-1968-2011-SISIMP2016
Area	Mid-Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2007, 2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2007	12,892
SSBmsy	SSBmsy-MT	2011	10,880
Fmsy	Fmsy-1/yr	2011	0.44
ERmsy	ERmsy-ratio	2007	0.3
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2011	3284
M	M-1/yr	2007	0.4
TBlim	-	-	-
SSBlim	SSBlim-MT	2011	5440
Flim	Flim-1/yr	2011	0.44
ERlim	-	-	-

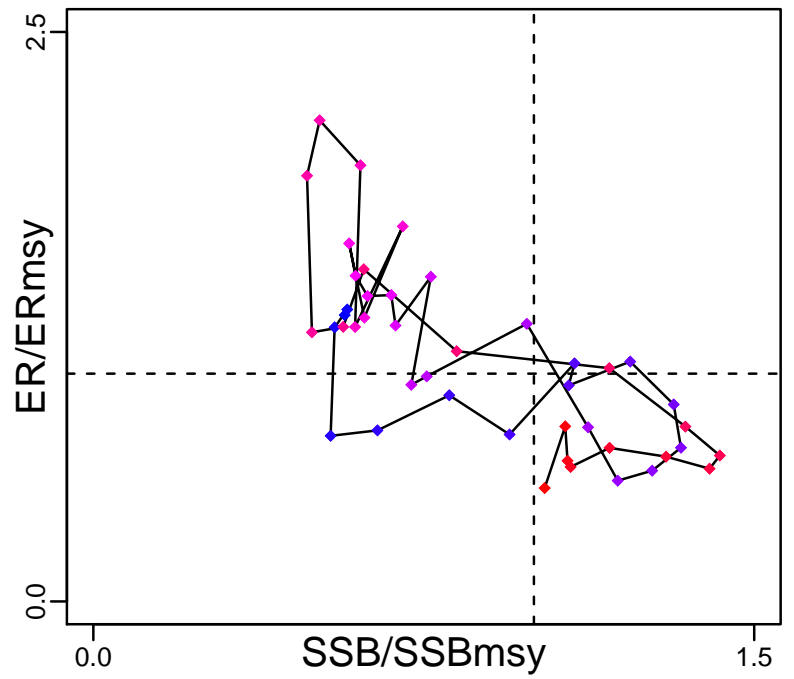
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	12,700	-	1+
SSB	SSB-MT	2011	11,100	-	-
TN	-	-	-	-	-
R	R-E00	2011	2.1×10^7	-	0
F	F-1/yr	2011	0	-	3+
ER	ER-calc-ratio	2011	0	-	-
TC	TC-MT	2011	1550		
TL	TL-MT	2007	2040		
TB/TBmsy	TB-MT/TBmsy-MT	2007	1		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2011	1.02		
F/Fmsy	F-1/yr/Fmsy-1/yr	2011	0.48		
ER/ERmsy	ER-calc-ratio/ERmsy-ratio	2007	0.72		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Black sea bass Mid-Atlantic Coast [BSBASSMATLC]

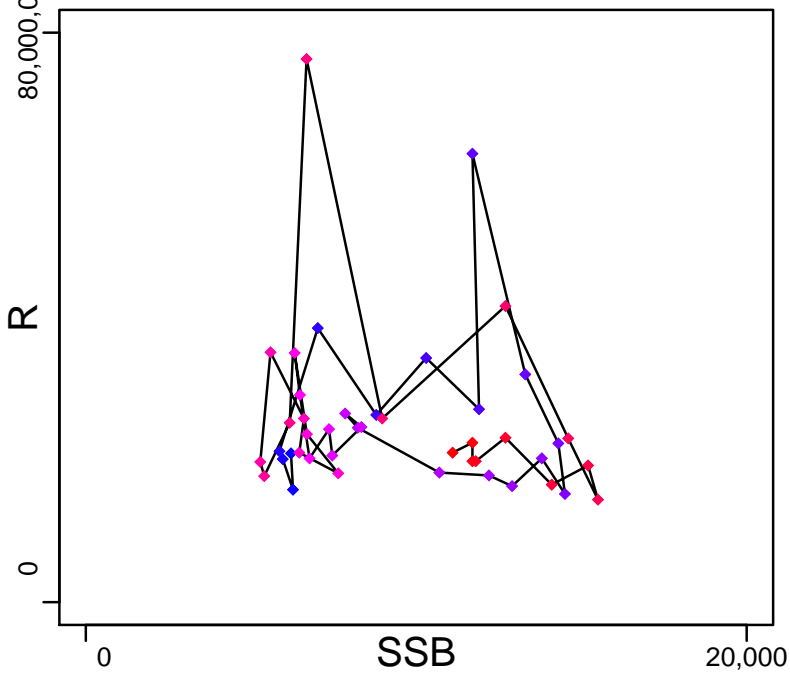
Kobe MSYpref (1968–2011–SISIMP2016)



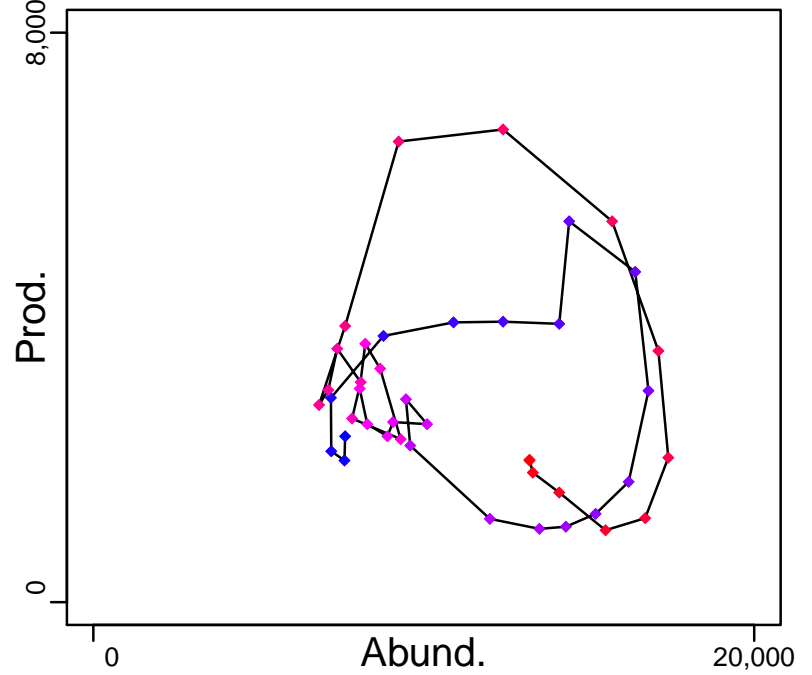
Kobe MGTpref (1968–2011–SISIMP2016)



Spawner Recruit (1968–2011–SISIMP2016)



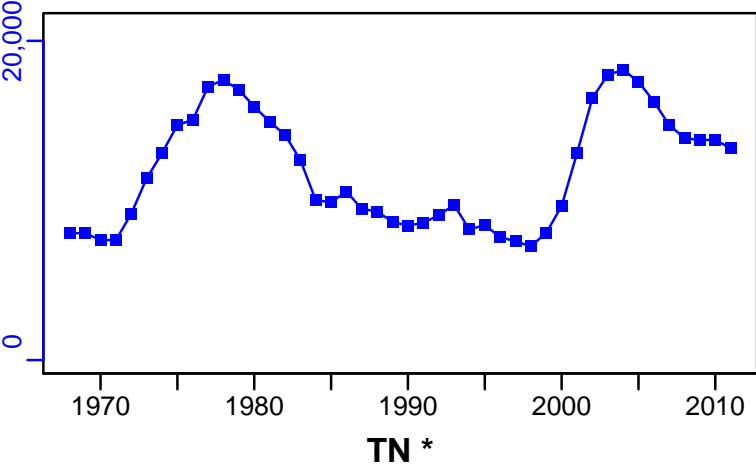
Production (1968–2011–SISIMP2016)



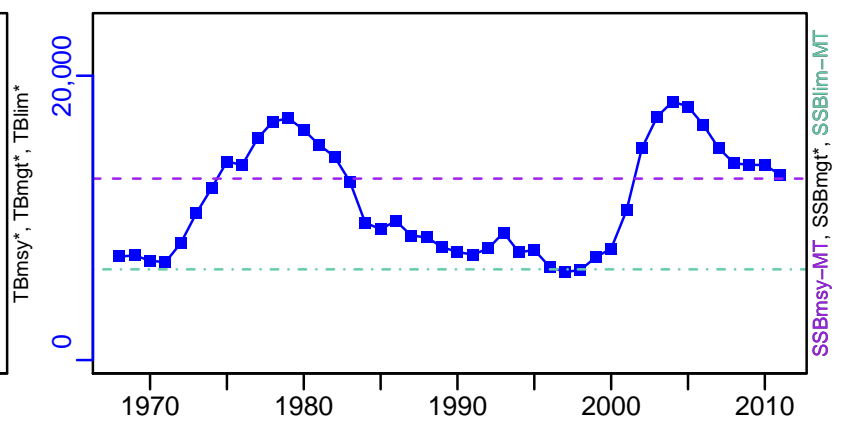
◆ Start Year ◆ End Year * No Data

Black sea bass Mid-Atlantic Coast [BSBASSMATLC]

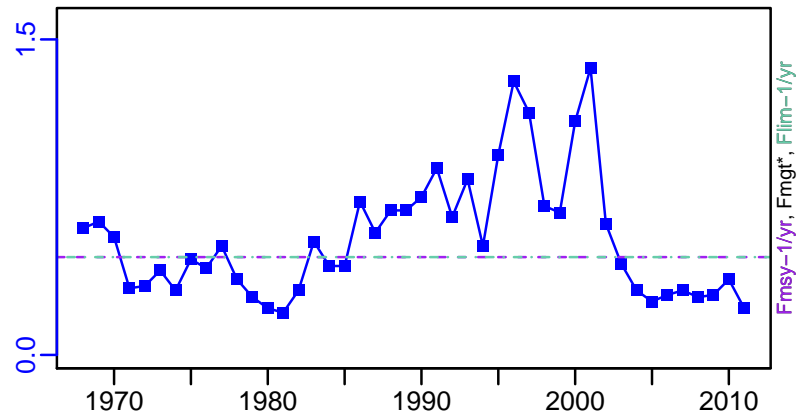
TB-MT (1968–2011–SISIMP2016)



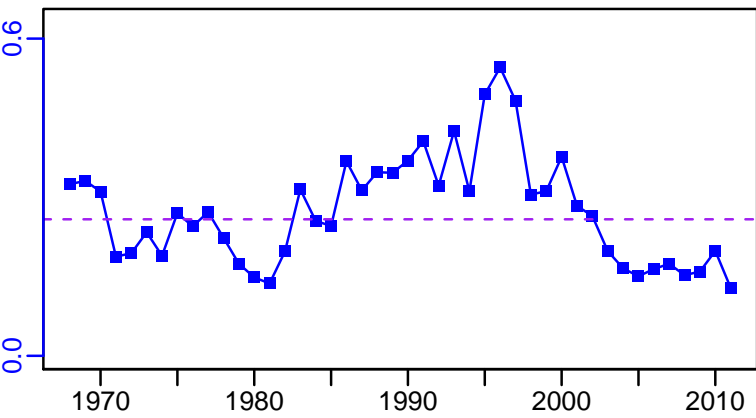
SSB-MT (1968–2011–SISIMP2016)



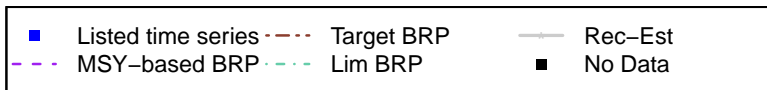
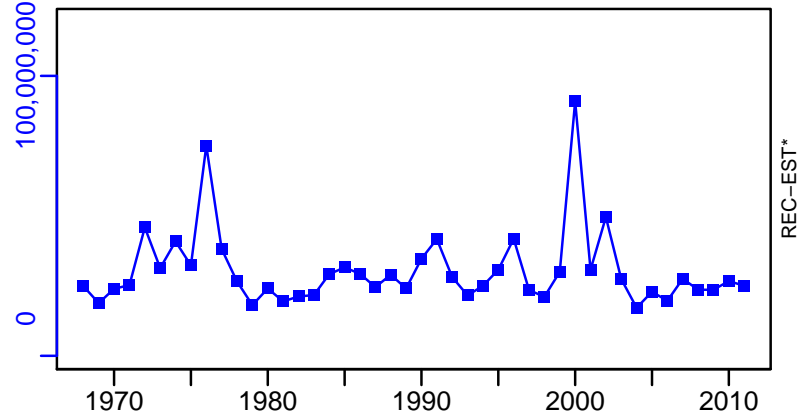
F-1/yr (1968–2011–SISIMP2016)



ER-calc-ratio (1968–2011–SISIMP2016)



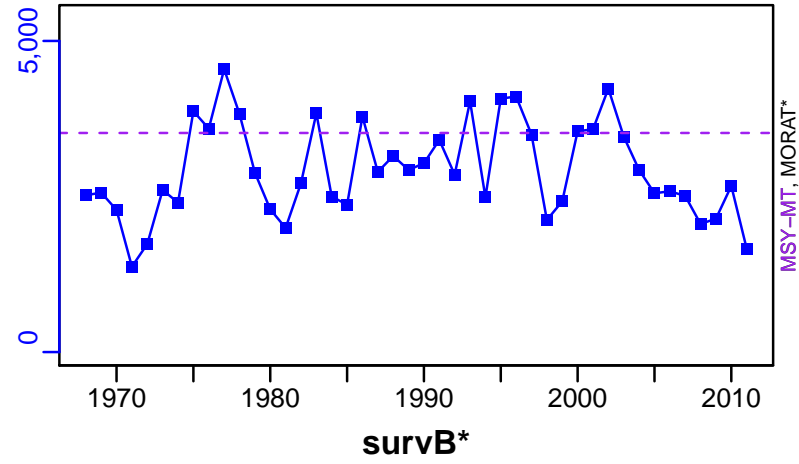
R-E00 (1968–2011–SISIMP2016)



Black sea bass Mid-Atlantic Coast [BSBASSMATLC]

TC-MT, TL*, RecC* (1968-2011-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



**Barndoor skate Gulf of Marine / Georges Bank-Southern New England
[BSKAT5YZSNE]**

Metadata	
Scientific Name	Dipturus laevis
Current Assess ID	NEFSC-BSKAT5YZSNE-1963-2005-SOSEBEE
Area	Gulf of Maine / Georges Bank-Southern New England
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2005

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	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



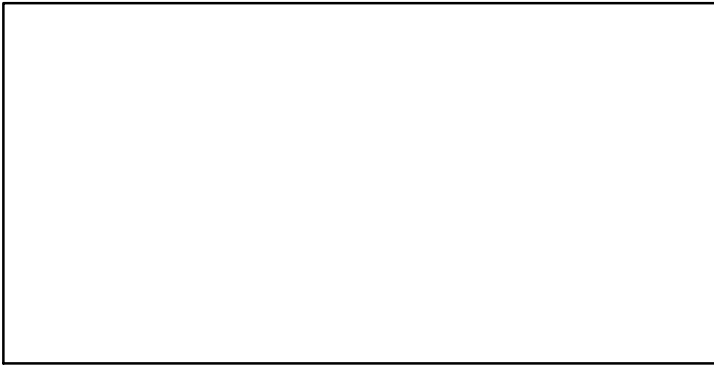
Production*



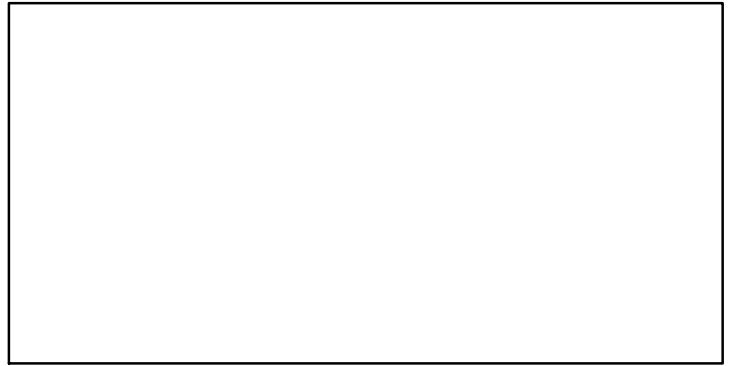
◆ Start Year ◆ End Year * No Data

Barndoor skate Gulf of Maine / Georges Bank–Southern New England [BSKAT5YZSNE]

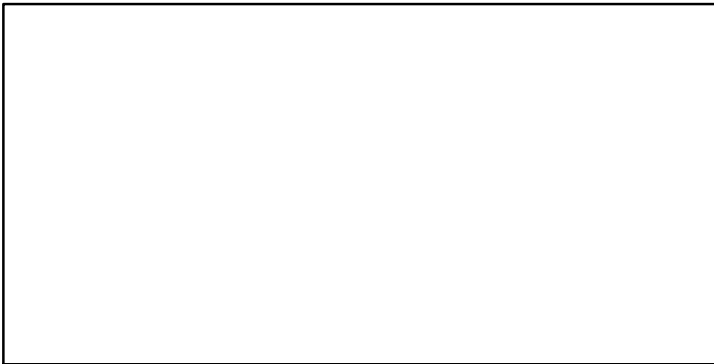
TB*



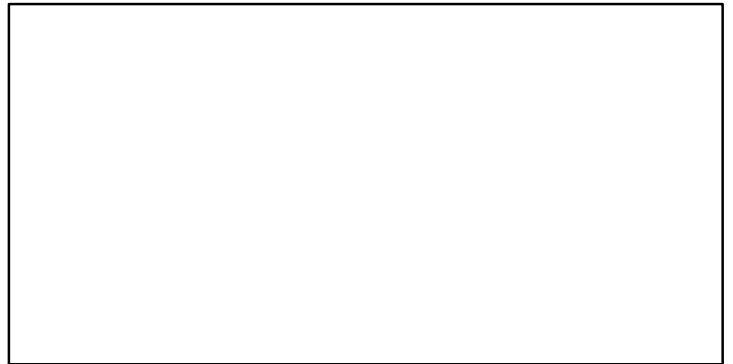
SSB*



TN *



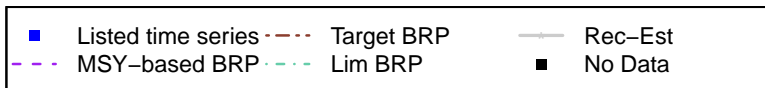
F*



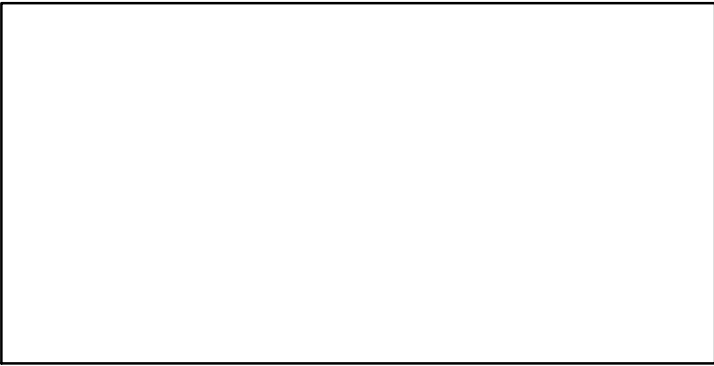
ER*



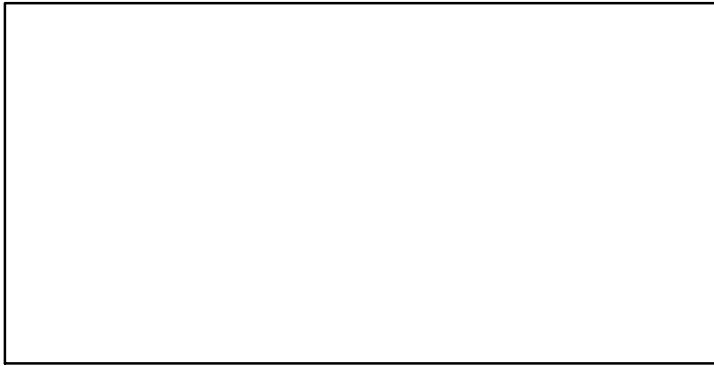
Recruits*



TC*, TL*, RecC*



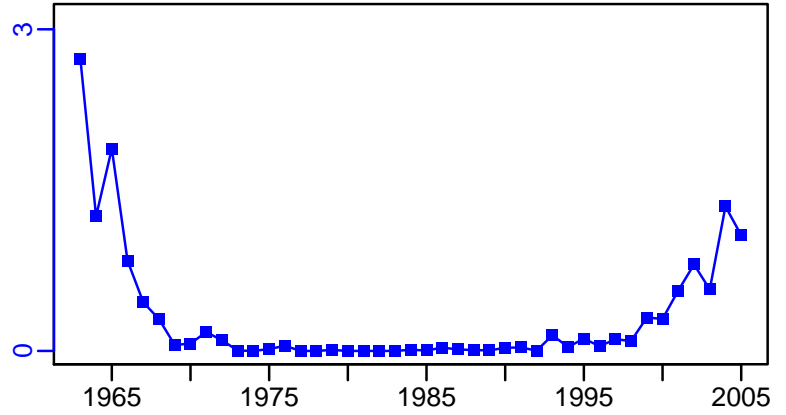
TAC*, Cpair*, Cadv*



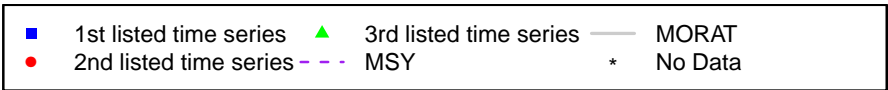
survB*



CPUE–kgpertow (1963–2005–SOSEBEE)



EFFORT*



Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]

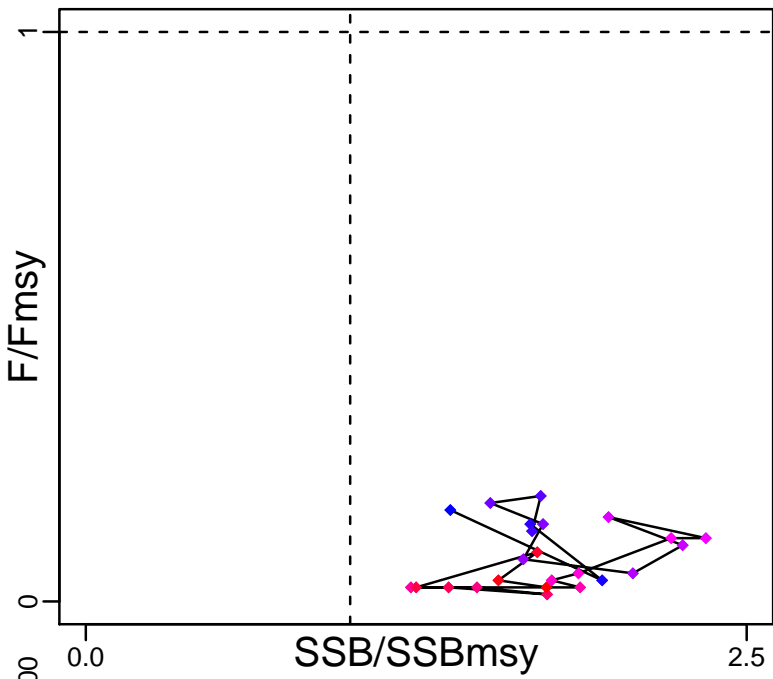
Metadata	
Scientific Name	Peprilus triacanthus
Current Assess ID	NEFSC-BUTTERGOMCHATT-1965-2012-HIVELY
Area	Gulf of Maine / Cape Hatteras
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2012	45,616
Fmsy	Fmsy-1/yr	2012	0.81
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

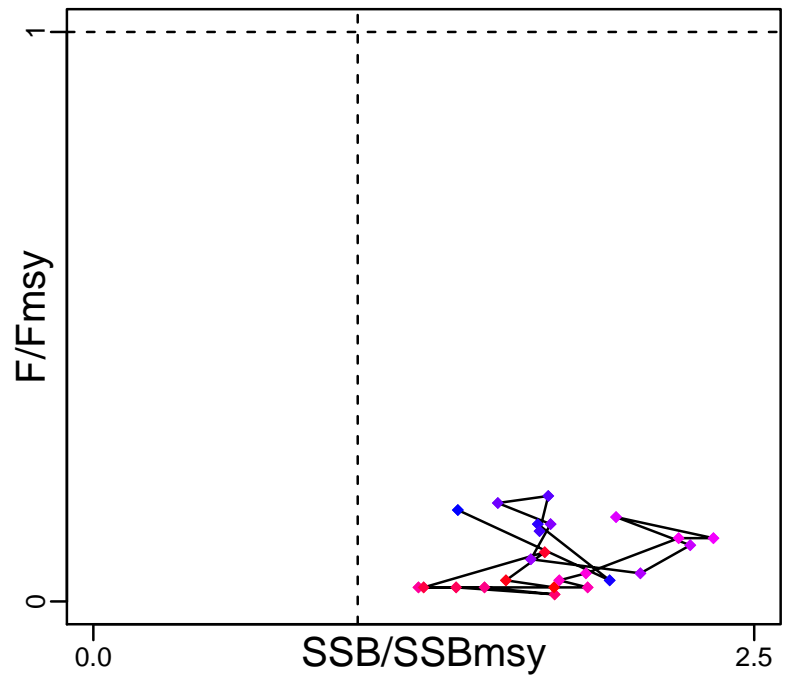
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	79,500	-	1+
TN	-	-	-	-	-
R	R-E00	2012	2.43×10^9	-	0
F	F-1/yr	2012	0	-	-
ER	ER-calc-ratio	2012	0	-	-
TC	TC-MT	2012	1710		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2012	1.74		
F/Fmsy	F-1/yr/Fmsy-1/yr	2012	0.02		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]

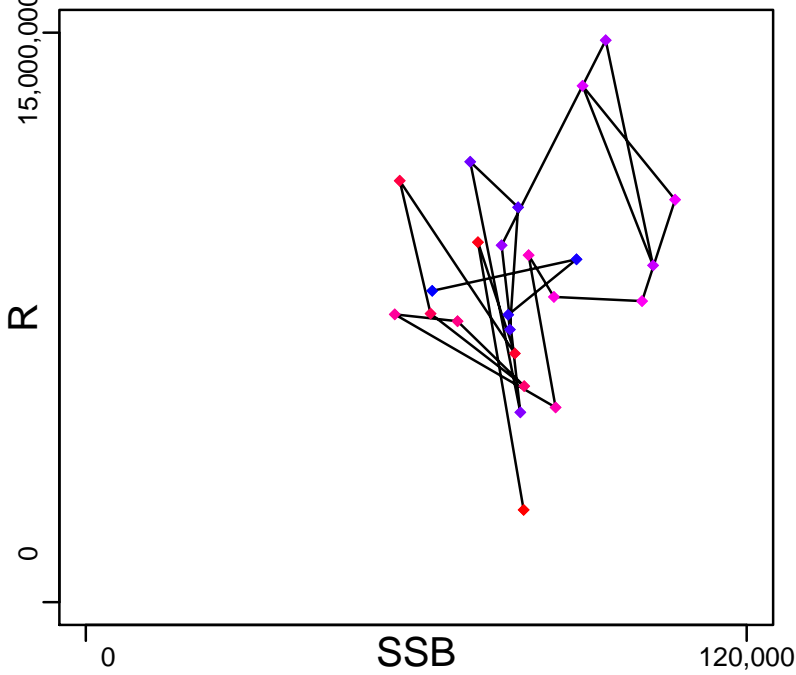
Kobe MSYpref (1965–2012–HIVELY)



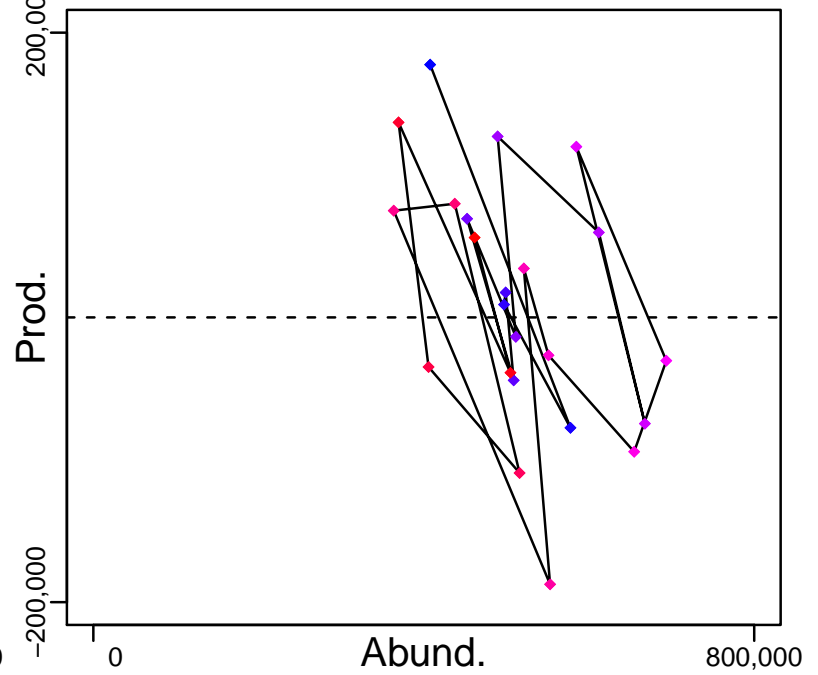
Kobe MGTpref (1965–2012–HIVELY)



Spawner Recruit (1965–2012–HIVELY)



Production (1965–2012–HIVELY)



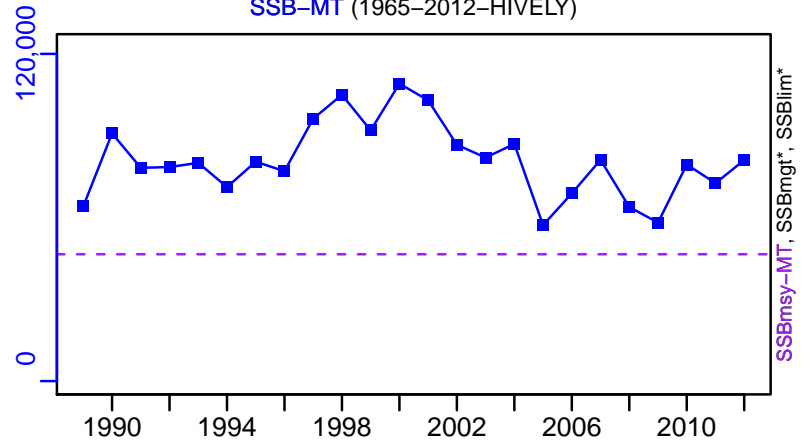
◆ Start Year ◆ End Year * No Data

Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]

TB*



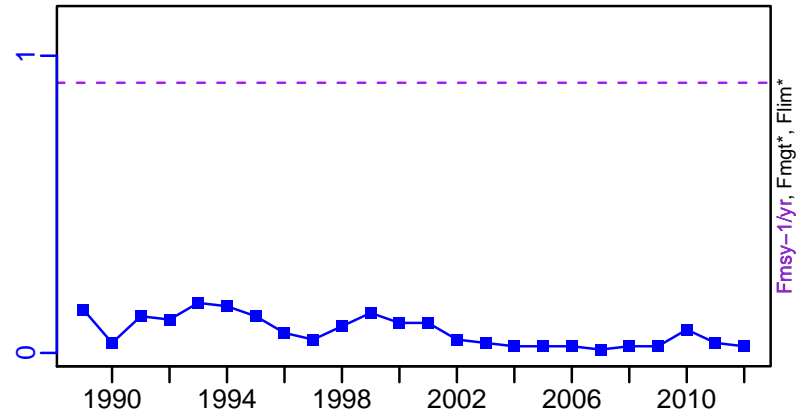
SSB-MT (1965–2012–HIVELY)



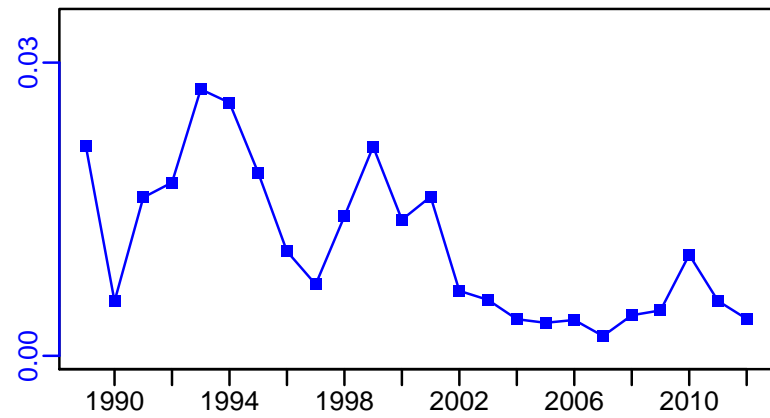
TN *



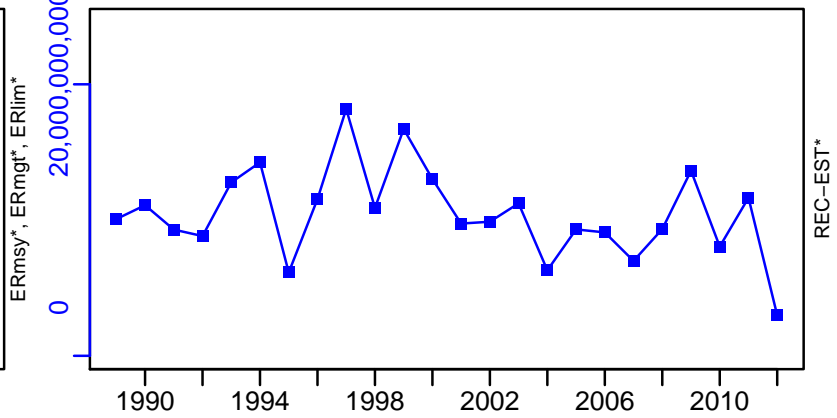
F-1/yr (1965–2012–HIVELY)



ER-calc-ratio (1965–2012–HIVELY)



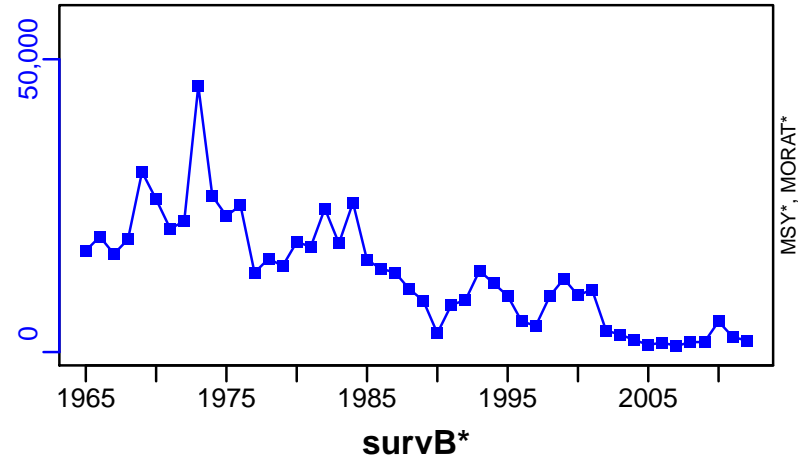
R-E00 (1965–2012–HIVELY)



Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]

TC-MT, TL*, RecC* (1965–2012–HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*

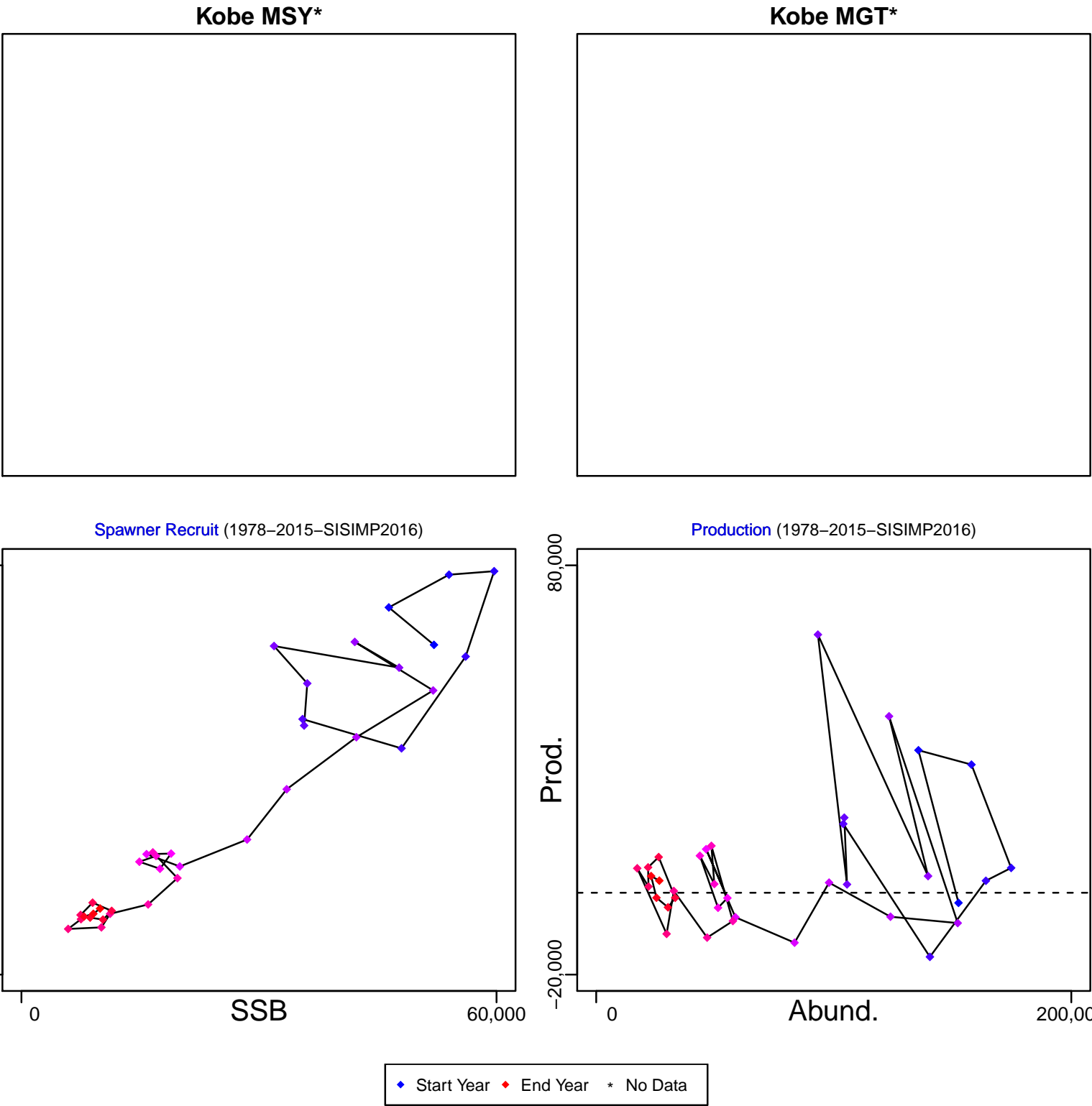


Atlantic cod NAFO 5Zjm [COD5Zjm]

Metadata	
Scientific Name	Gadus morhua
Current Assess ID	DFO-COD5Zjm-1978-2015-SISIMP2016
Area	Georges Bank
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Asmts in RAM	2010, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2015	0.11
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2010	21000t
Flim	Flim-1/yr	2015	0.11
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2015	10,000	-	3+
TN	TN-E00	2010	3,390,000	-	3+
R	R-E00	2015	11,300,000	-	1
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	574		
TL	TL-MT	2010	1860		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.36		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

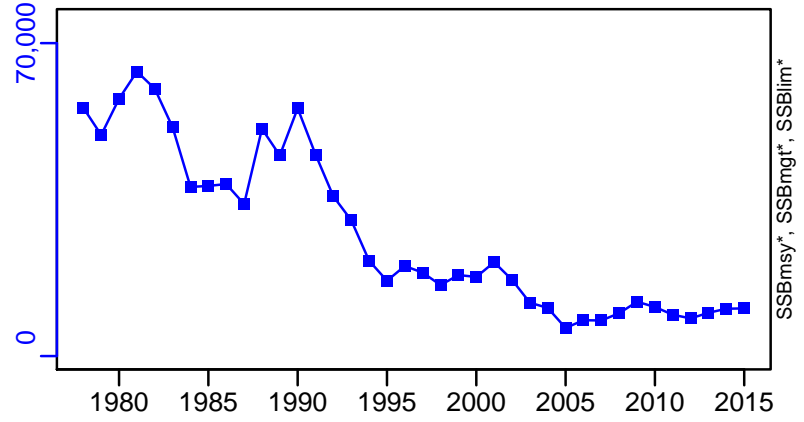


Atlantic cod NAFO 5Zjm [COD5Zjm]

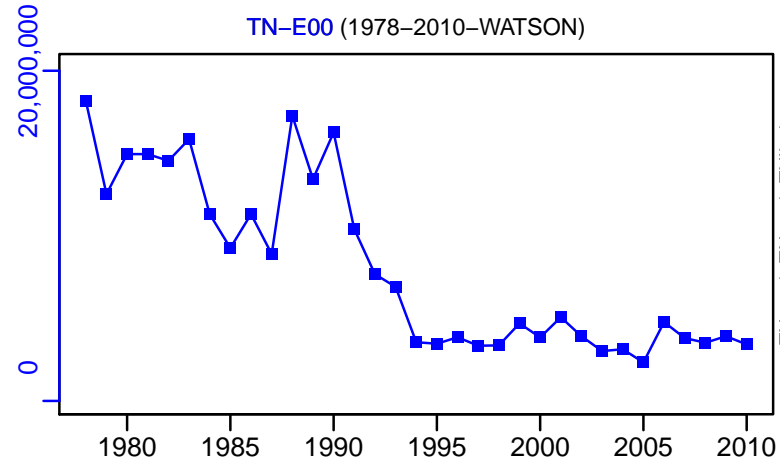
TB*



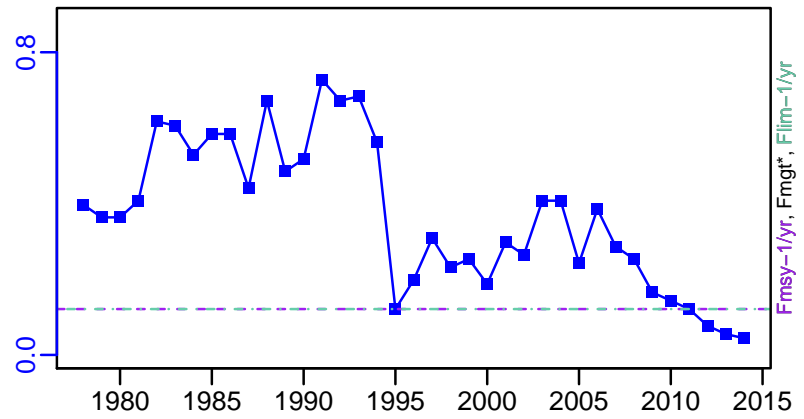
SSB-MT (1978–2015–SISIMP2016)



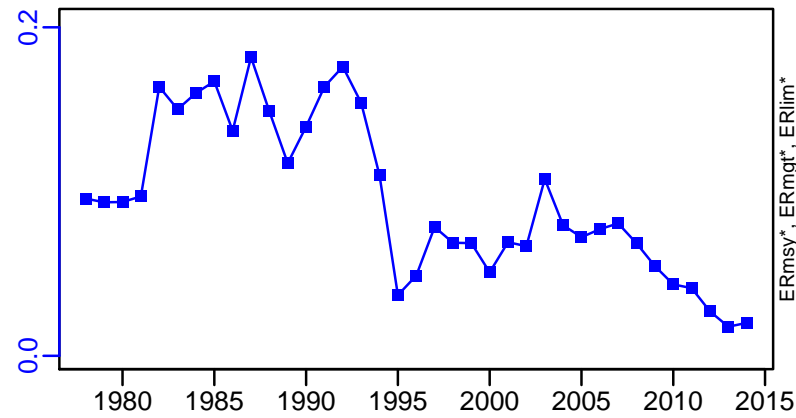
TN-E00 (1978–2010–WATSON)



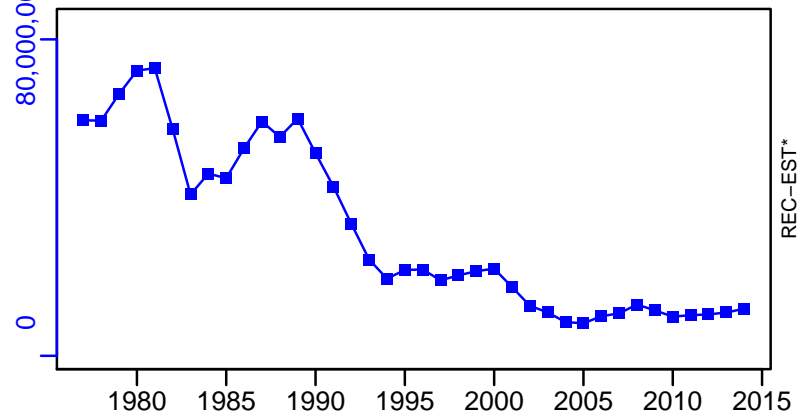
F-1/yr (1978–2015–SISIMP2016)



ER-calc-ratio (1978–2015–SISIMP2016)

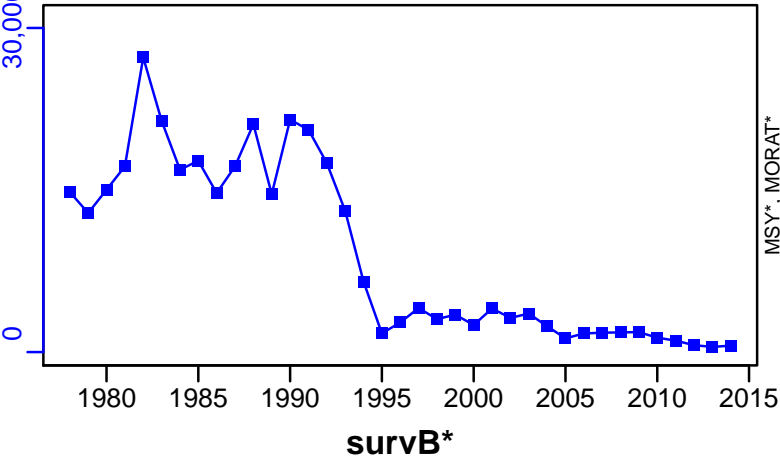


R-E00 (1978–2015–SISIMP2016)



Atlantic cod NAFO 5Zjm [COD5Zjm]

TC-MT, TL*, RecC* (1978-2015-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Atlantic cod Georges Bank [CODGB]

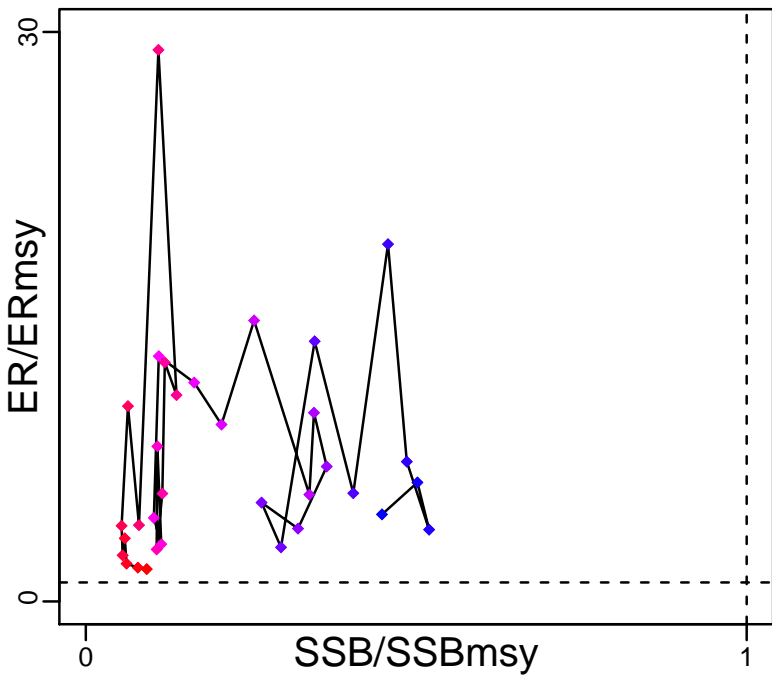
Metadata	
Scientific Name	Gadus morhua
Current Assess ID	NEFSC-CODGB-1976-2011-CHING
Area	Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2011	186,535
Fmsy	Fmsy-1/yr	2011	0.18
ERmsy	ERmsy-conv-ratio	2011	0.05
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2011	28,774
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

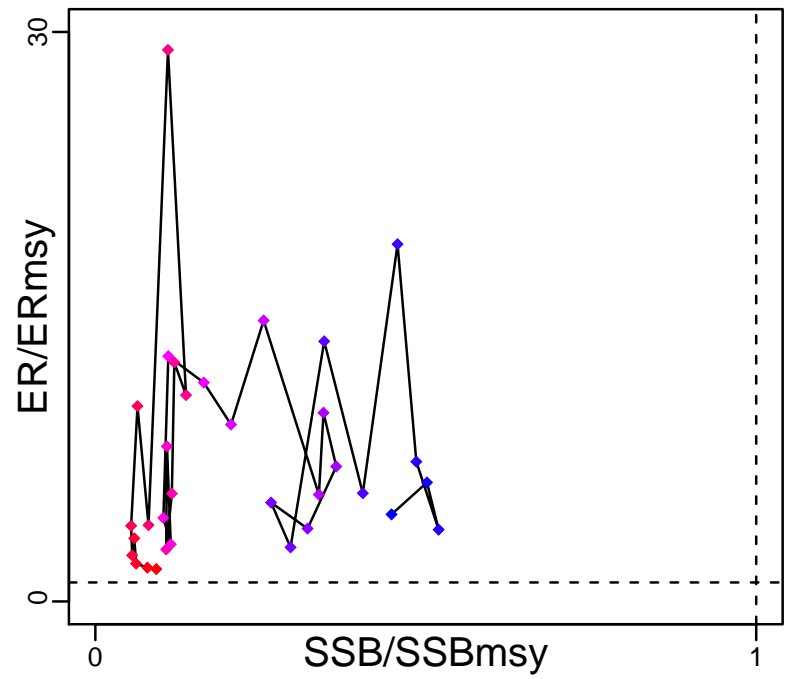
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2011	22,200	-	2.4+
TN	-	-	-	-	-
R	R-E00	2011	7,930,000	-	-
F	F-1/yr	2011	0	-	-
ER	ER-ratio	2011	0	-	-
TC	TC-MT	2011	4530		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2011	0.12		
F/Fmsy	F-1/yr/Fmsy-1/yr	2011	1.28		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2011	1.7		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Atlantic cod Georges Bank [CODGB]

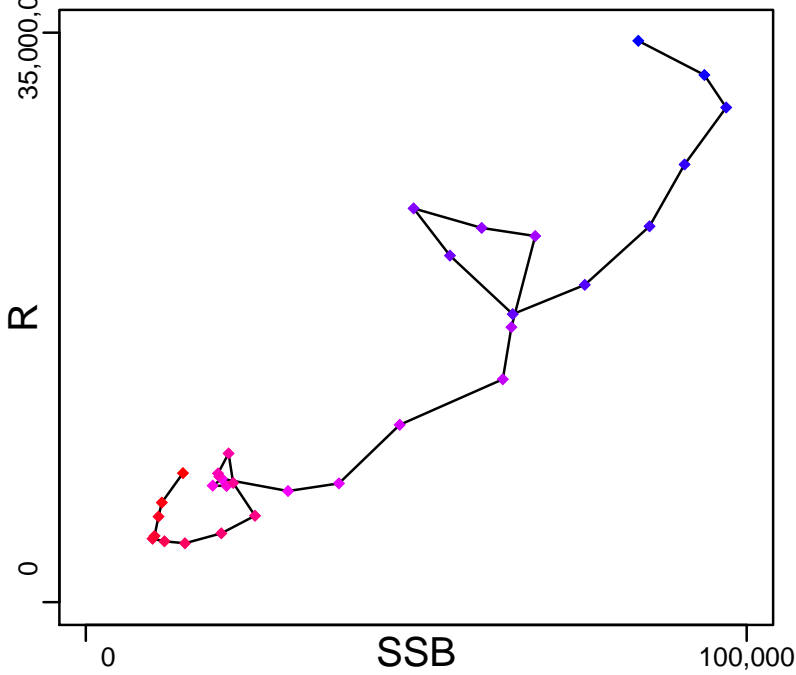
Kobe MSYpref (1976–2011–CHING)



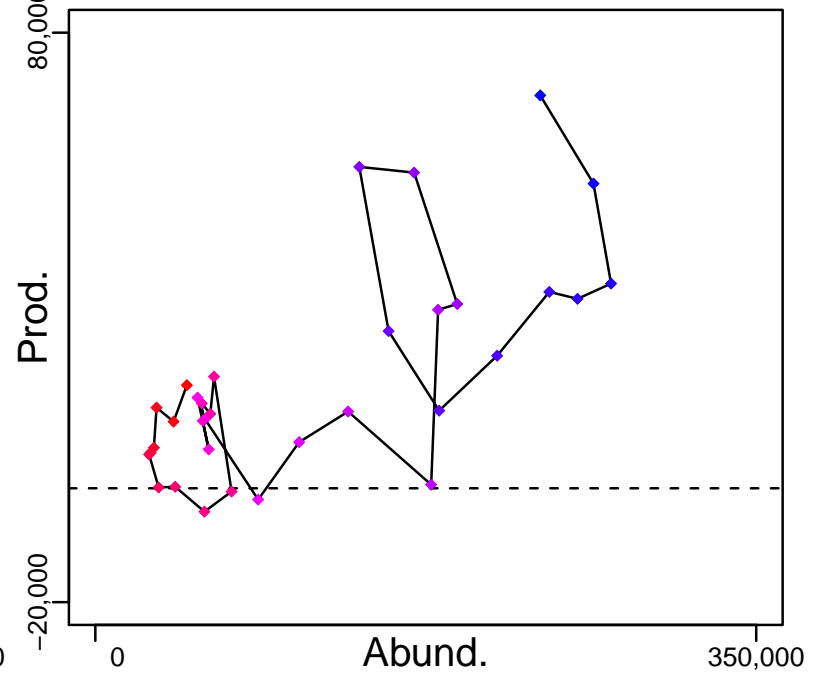
Kobe MGTpref (1976–2011–CHING)



Spawner Recruit (1976–2011–CHING)



Production (1976–2011–CHING)



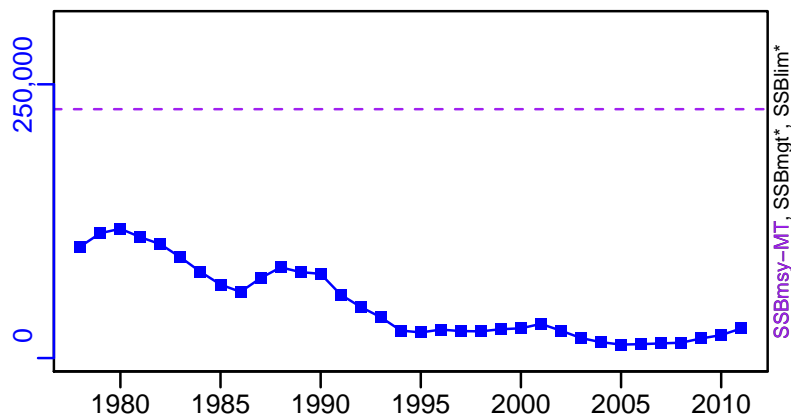
◆ Start Year ◆ End Year * No Data

Atlantic cod Georges Bank [CODGB]

TB*



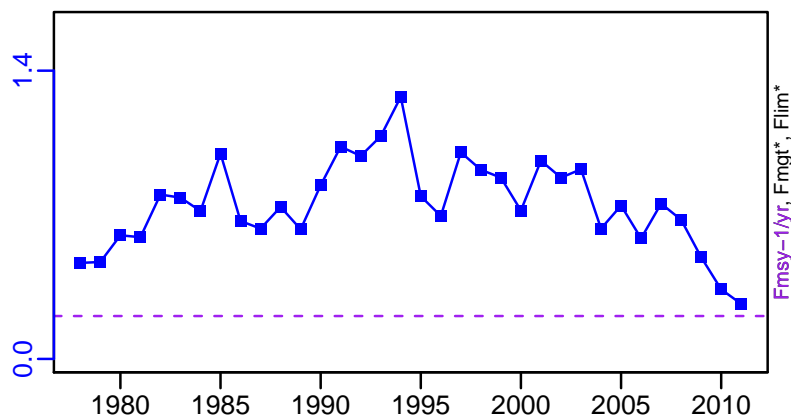
SSB-MT (1976–2011–CHING)



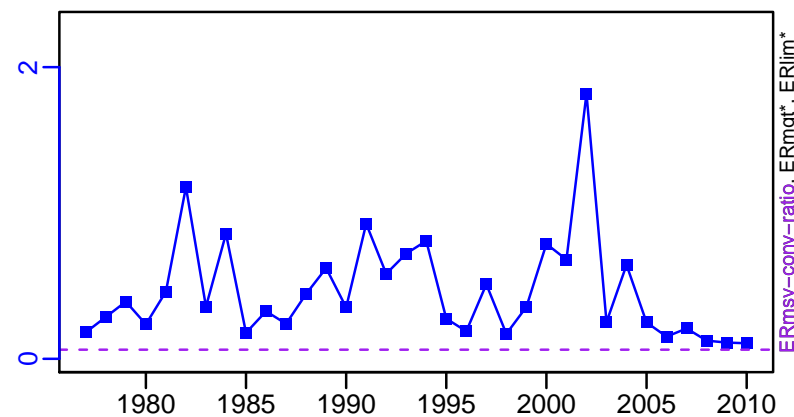
TN *



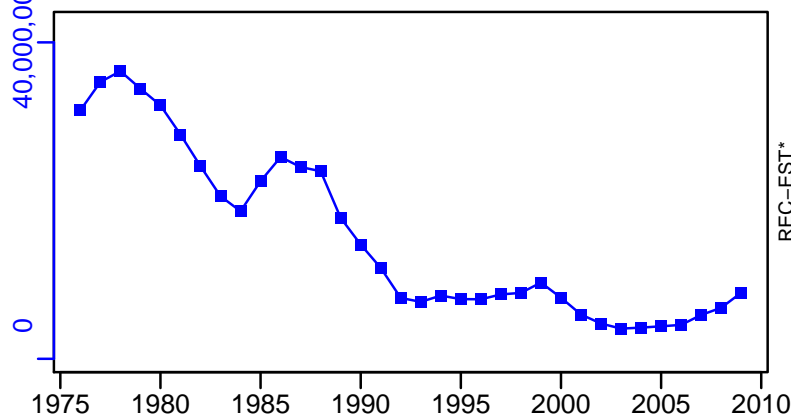
F-1/yr (1976–2011–CHING)



ER-ratio (1976–2011–CHING)



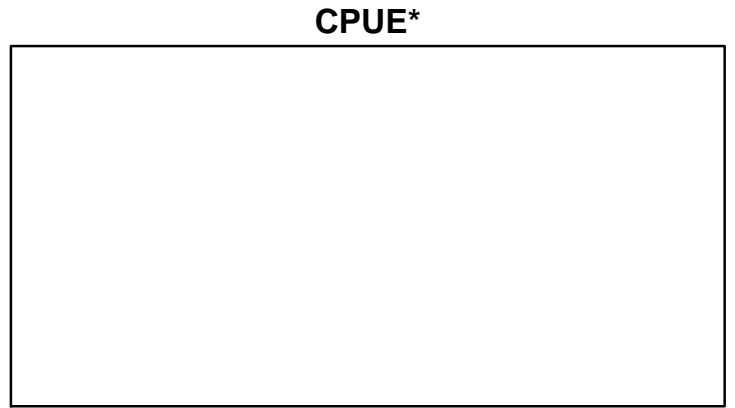
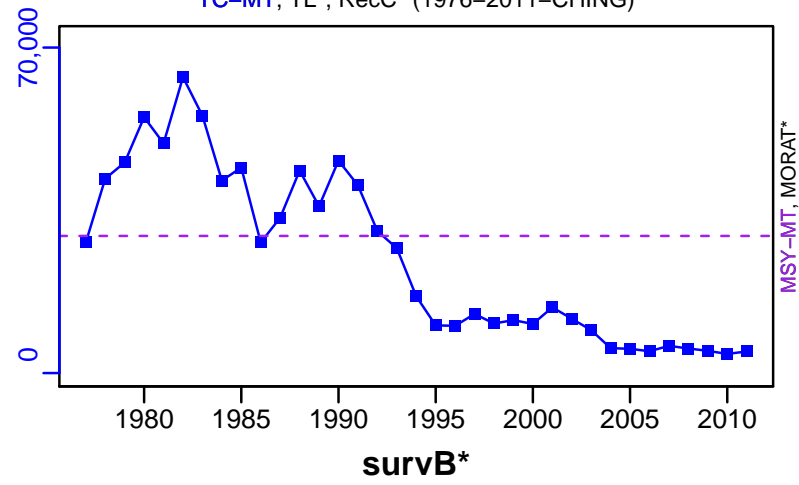
R-E00 (1976–2011–CHING)



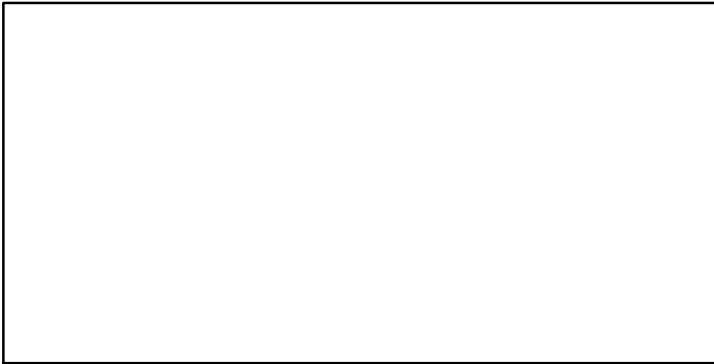
Atlantic cod Georges Bank [CODGB]

TC-MT, TL*, RecC* (1976-2011-CHING)

TAC*, Cpair*, Cadv*



EFFORT*



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

Atlantic cod Gulf of Maine [CODGOM]

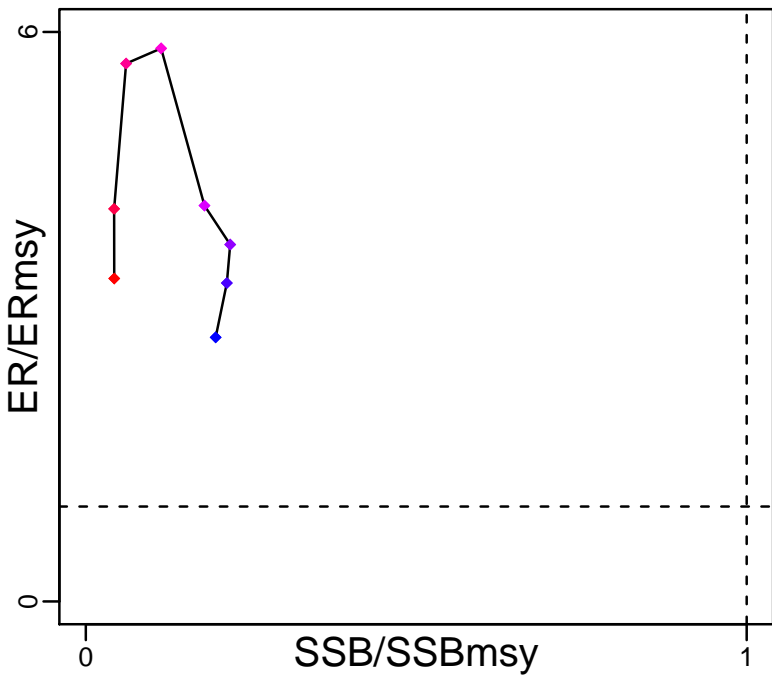
Metadata	
Scientific Name	Gadus morhua
Current Assess ID	NEFSC-CODGOM-2006-2014-ASHBROOK
Area	Gulf of Maine
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	59,045
Fmsy	Fmsy-1/yr	2011	0.18
ERmsy	ERmsy-conv-ratio	2014	0.06
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2014	59,045
Fmgt	Fmgt-1/yr	2014	0.19
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	10,043
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

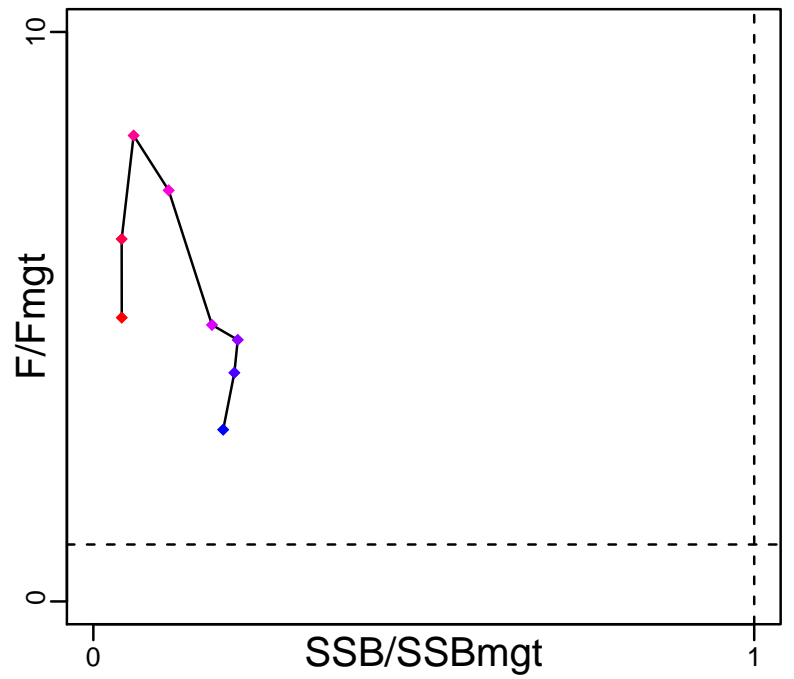
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	2540	-	-
TN	-	-	-	-	-
R	R-E00	2014	3,210,000	-	1
F	F-1/yr	2014	1	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	1470		
TL	TL-MT	2014	832		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.04		
F/Fmsy	F-1/yr/Fmsy-1/yr	2011	4.88		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	3.4		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	0.04		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	4.98		
ER/ERmgt	-	-	-		

Atlantic cod Gulf of Maine [CODGOM]

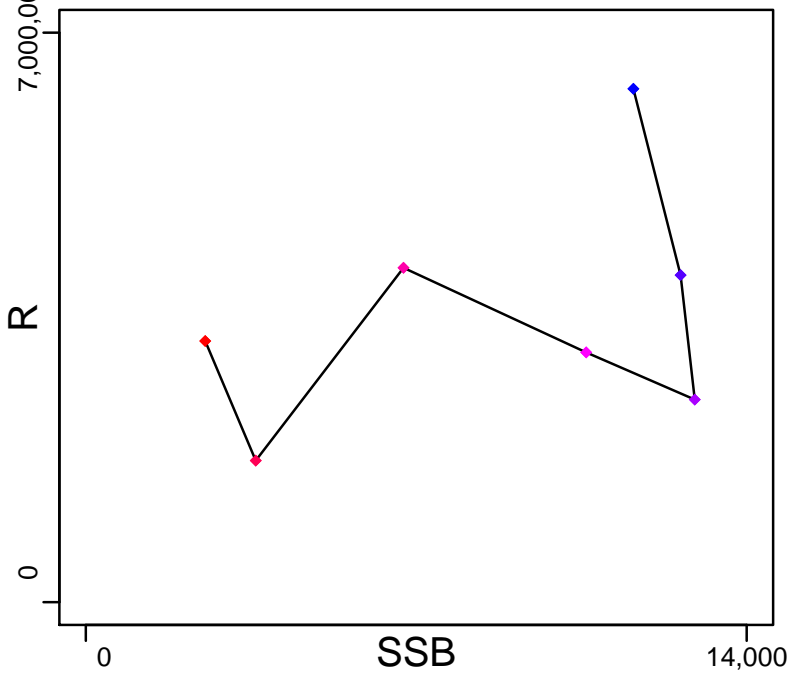
Kobe MSY_{pref} (2006–2014–ASHBROOK)



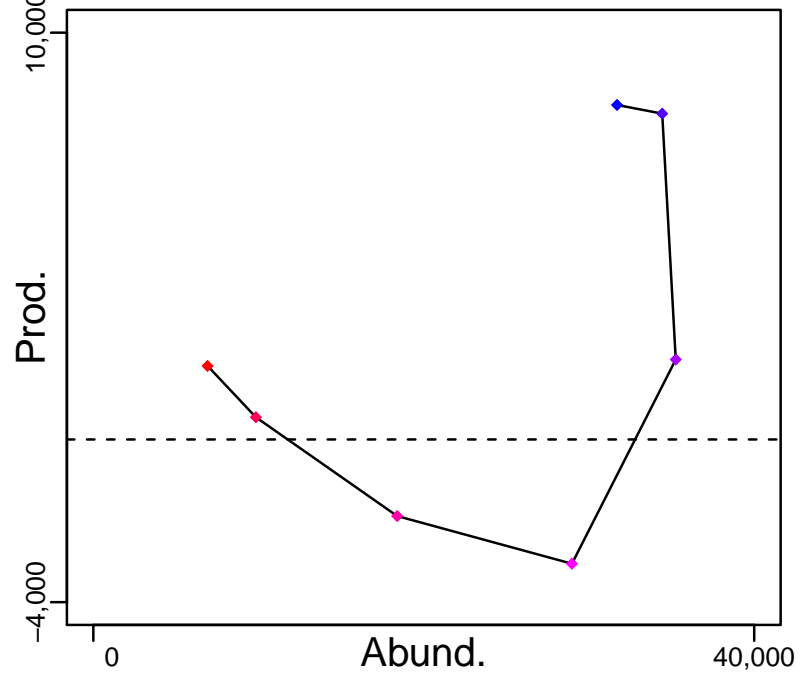
Kobe MGT_{pref} (2006–2014–ASHBROOK)



Spawner Recruit (2006–2014–ASHBROOK)



Production (2006–2014–ASHBROOK)



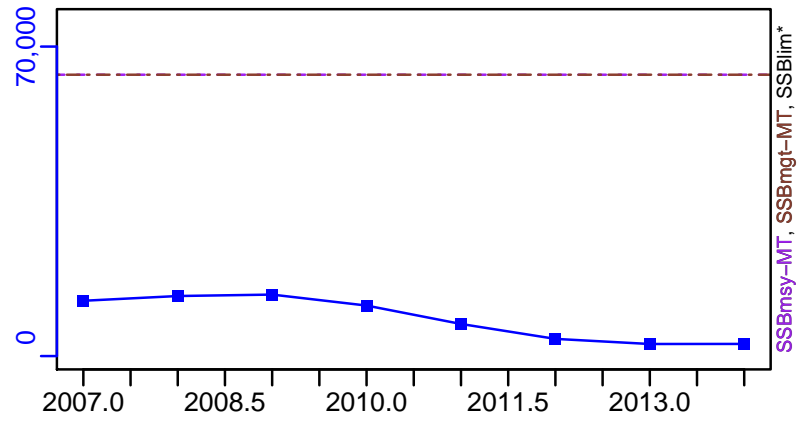
◆ Start Year ◆ End Year * No Data

Atlantic cod Gulf of Maine [CODGOM]

TB*



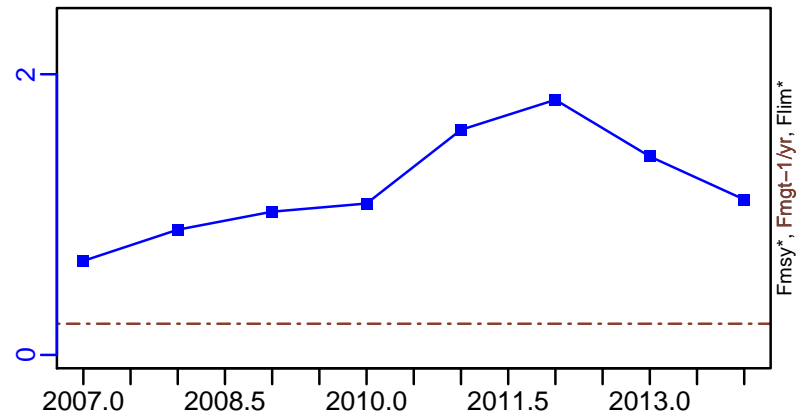
SSB-MT (2006–2014–ASHBROOK)



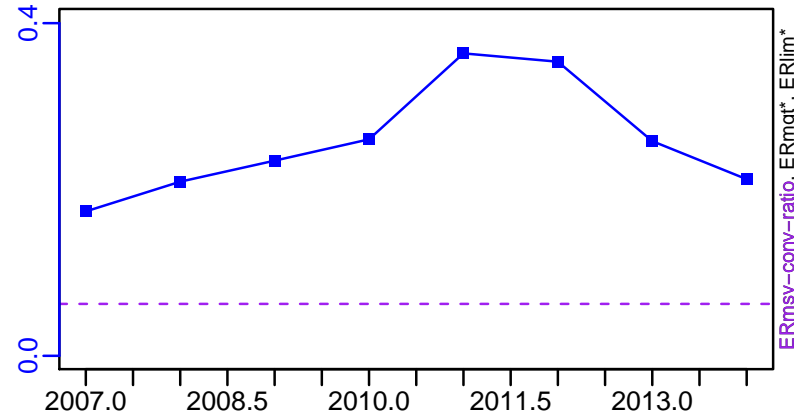
TN *



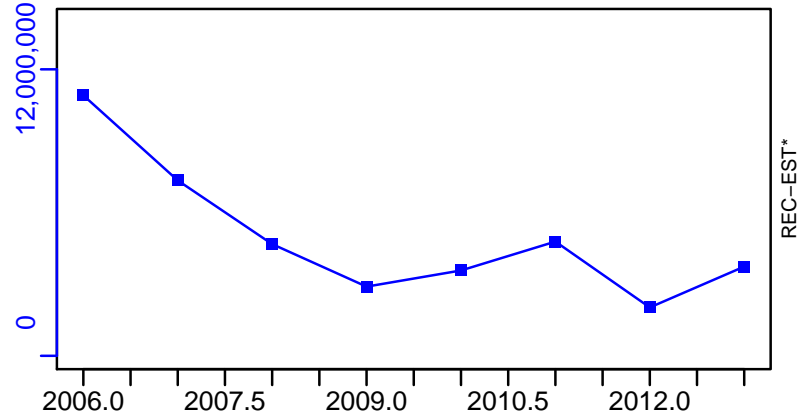
F-1/yr (2006–2014–ASHBROOK)



ER-calc-ratio (2006–2014–ASHBROOK)



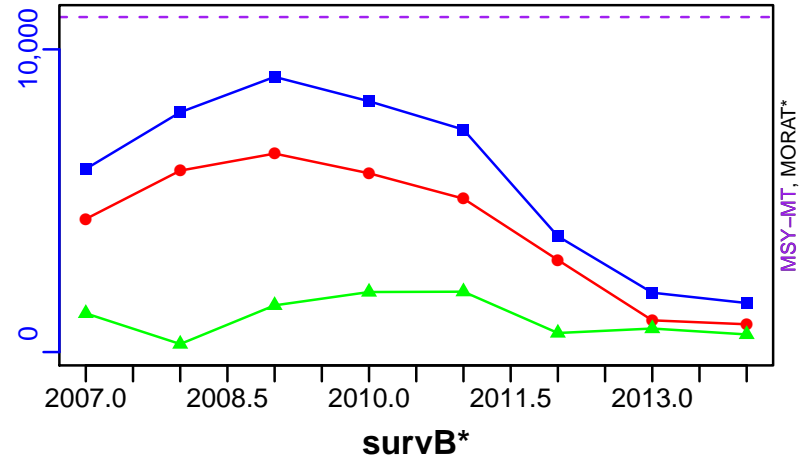
R-E00 (2006–2014–ASHBROOK)



Atlantic cod Gulf of Maine [CODGOM]

TC-MT, TL-MT, RecC-MT (2006-2014-ASHBROOK)

TAC*, Cpair*, Cadv*



EFFORT*



Clearnose skate Mid-Atlantic Coast [CSKATMATLC]

Metadata	
Scientific Name	Raja eglanteria
Current Assess ID	NEFSC-CSKATMATLC-1975-2005-SOSEBEE
Area	Mid-Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2005

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	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

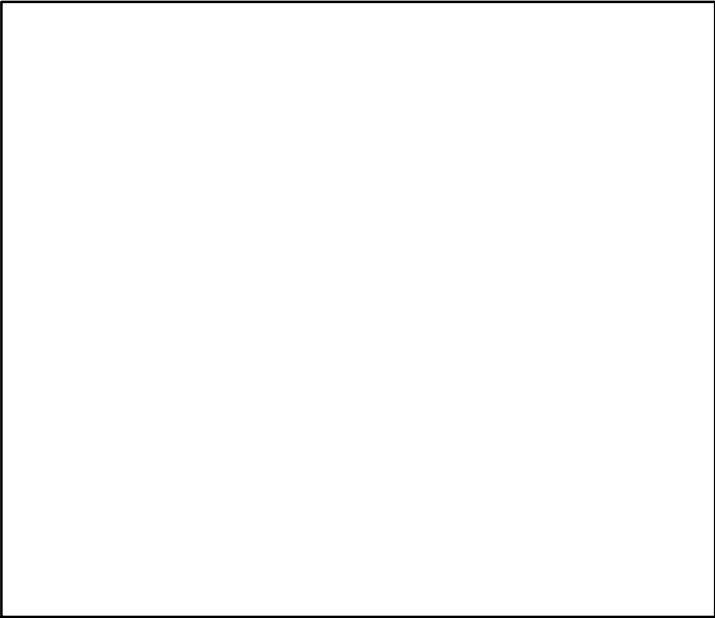
Kobe MSY*



Kobe MGT*



Spawner Recruit*



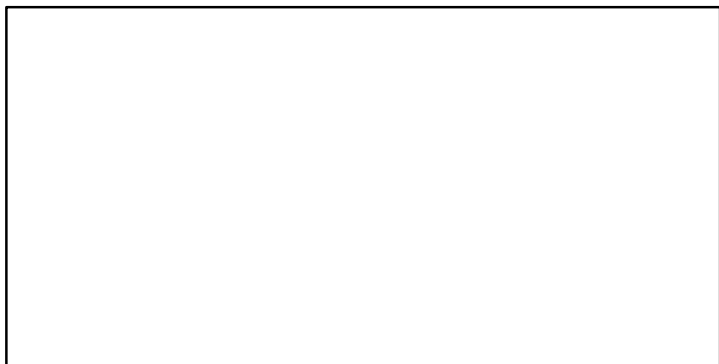
Production*



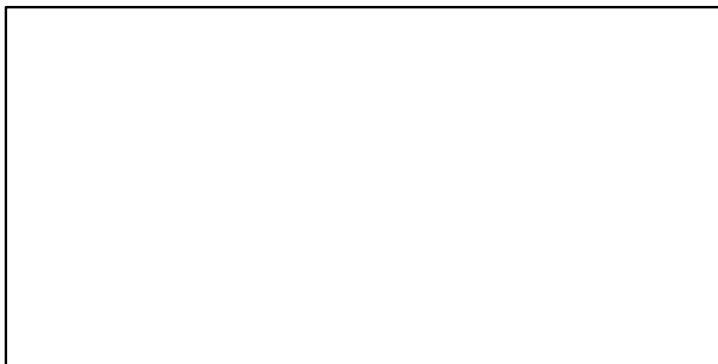
◆ Start Year ◆ End Year * No Data

Clearnose skate Mid-Atlantic Coast [CSKATMATLC]

TB*



SSB*



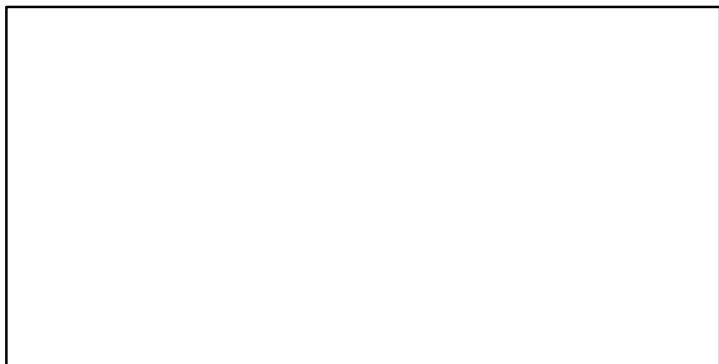
TN *



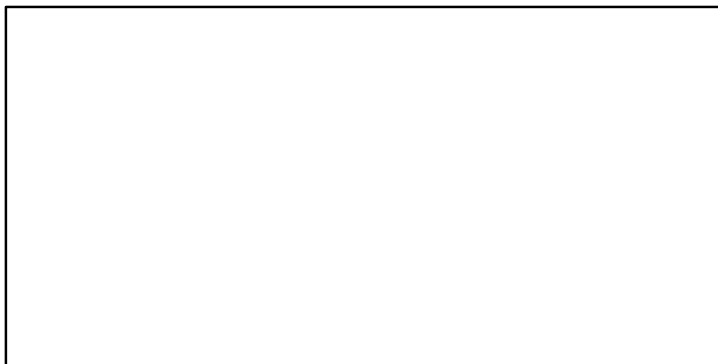
F*



ER*



Recruits*

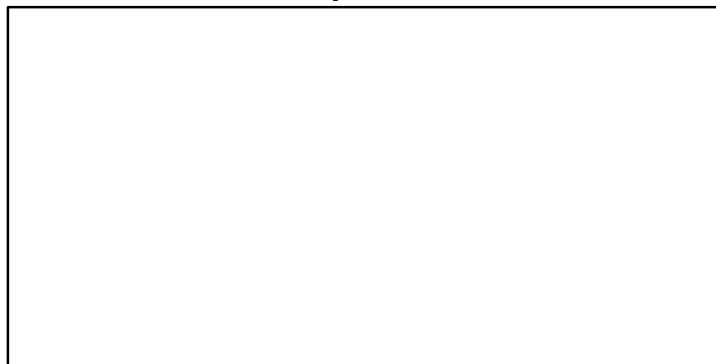


Clearnose skate Mid-Atlantic Coast [CSKATMATLC]

TC*, TL*, RecC*



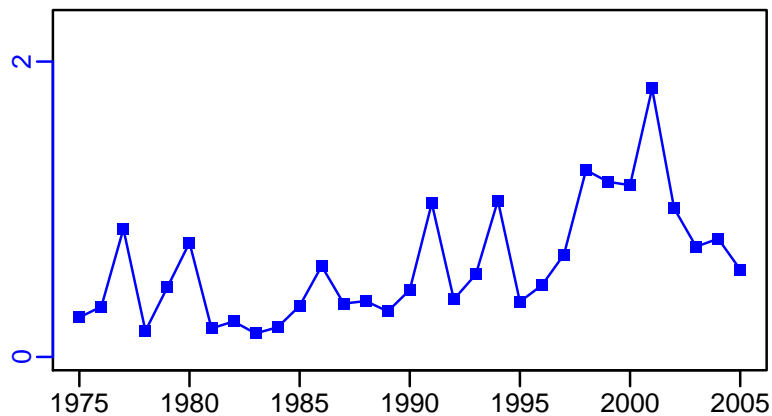
TAC*, Cpair*, Cadv*



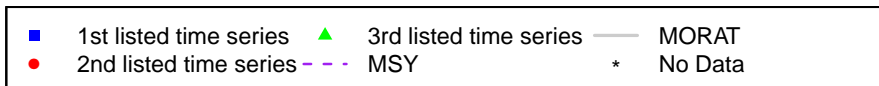
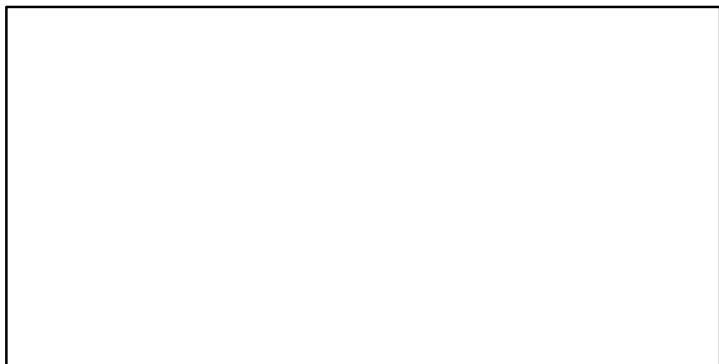
survB*



CPUE-kgpertow (1975-2005-SOSEBEE)



EFFORT*



Haddock NAFO-5Y [HAD5Y]

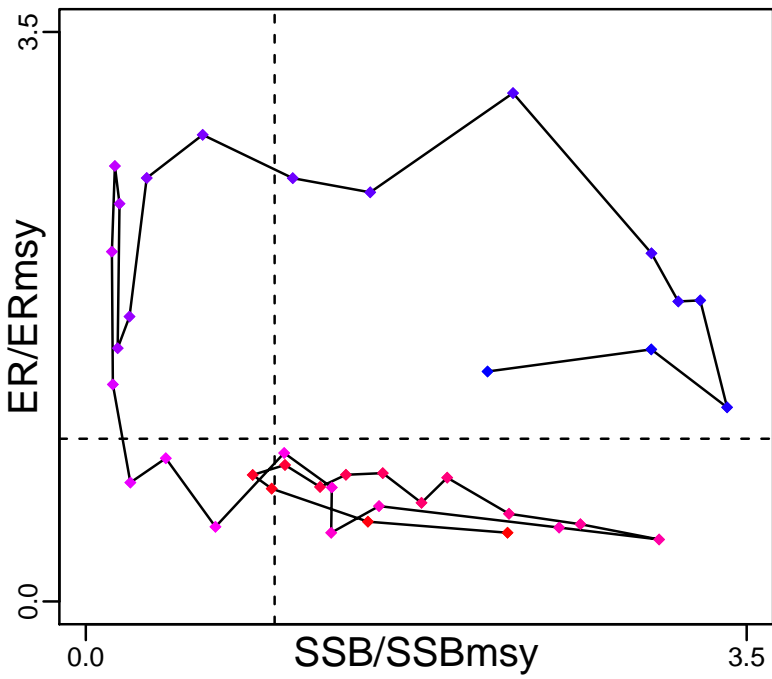
Metadata	
Scientific Name	Melanogrammus aeglefinus
Current Assess ID	NEFSC-HAD5Y-1977-2014-SISIMP2016
Area	Gulf of Maine
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	4623
Fmsy	Fmsy-1/yr	2014	0.47
ERmsy	ERmsy-conv-ratio	2014	0.08
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	1083
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	2312
Flim	Flim-1/yr	2014	0.47
ERlim	-	-	-

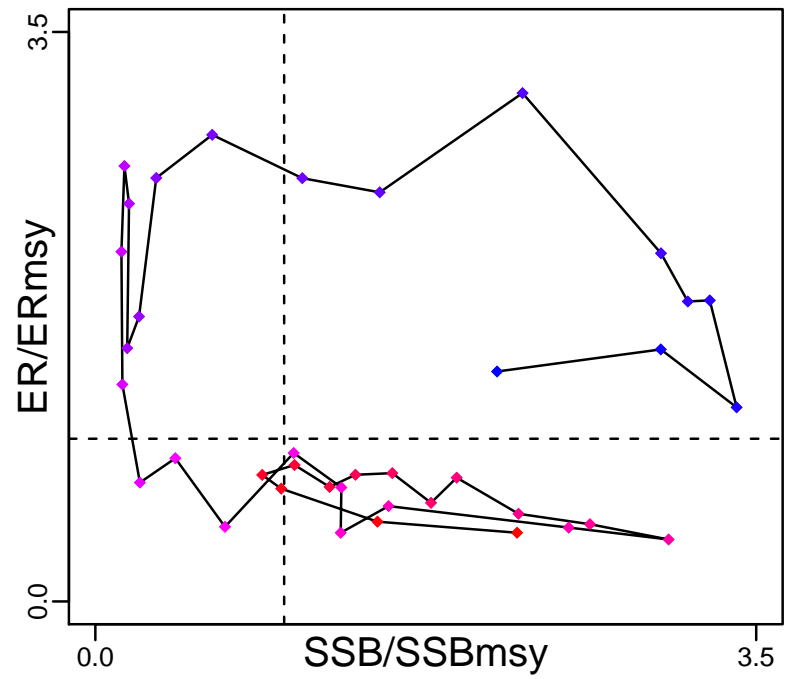
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	2580	-	-
SSB	SSB-MT	2014	10,300	-	4+
TN	-	-	-	-	-
R	R-E00	2014	26,500,000	-	1
F	F-1/yr	2014	0	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	1020		
TL	TL-MT	2011	1300		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	2.23		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.55		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.42		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Haddock NAFO-5Y [HAD5Y]

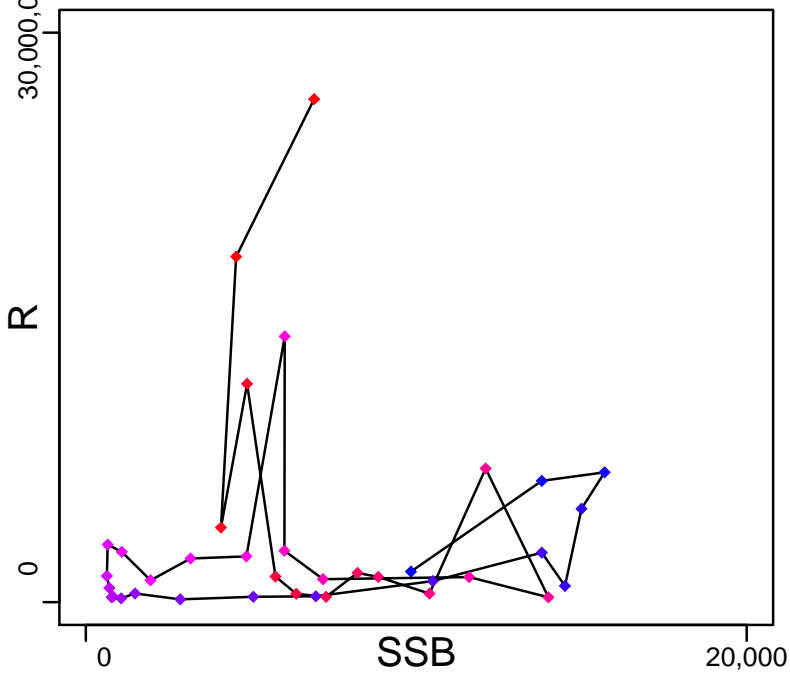
Kobe MSY_{pref} (1977–2014–SISIMP2016)



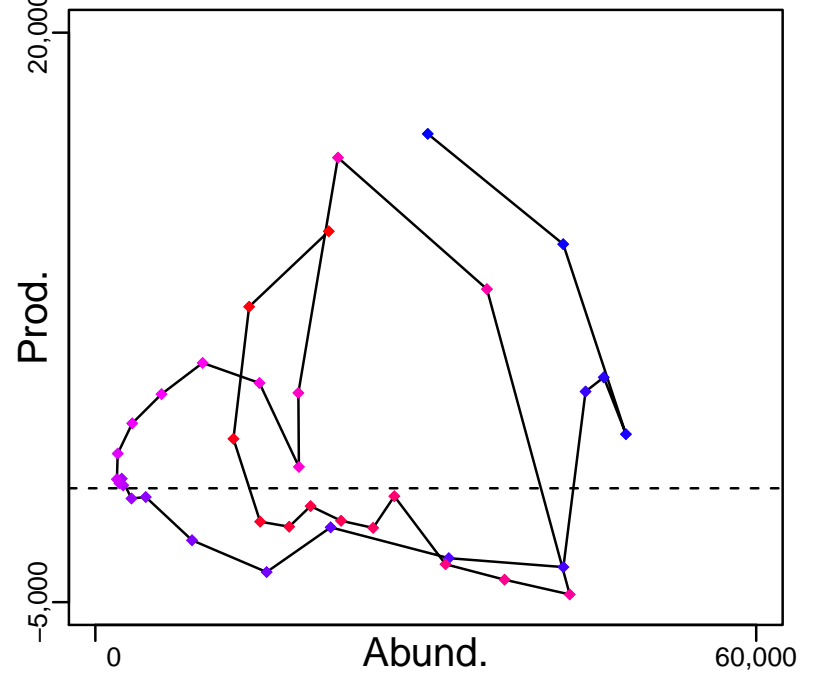
Kobe MGT_{pref} (1977–2014–SISIMP2016)



Spawner Recruit (1977–2014–SISIMP2016)



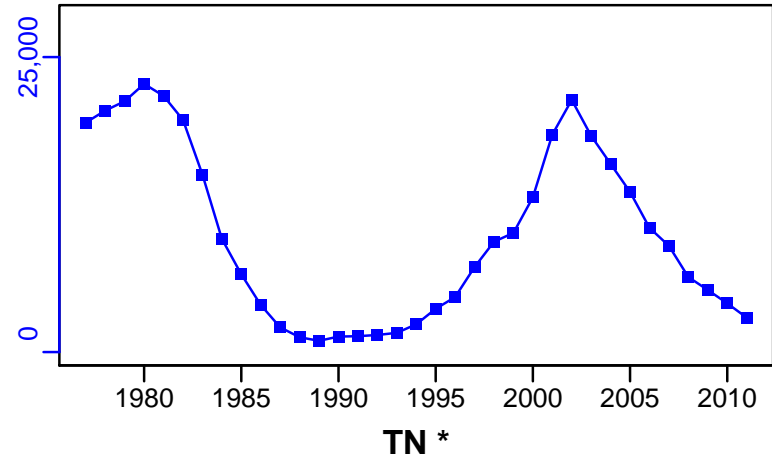
Production (1977–2014–SISIMP2016)



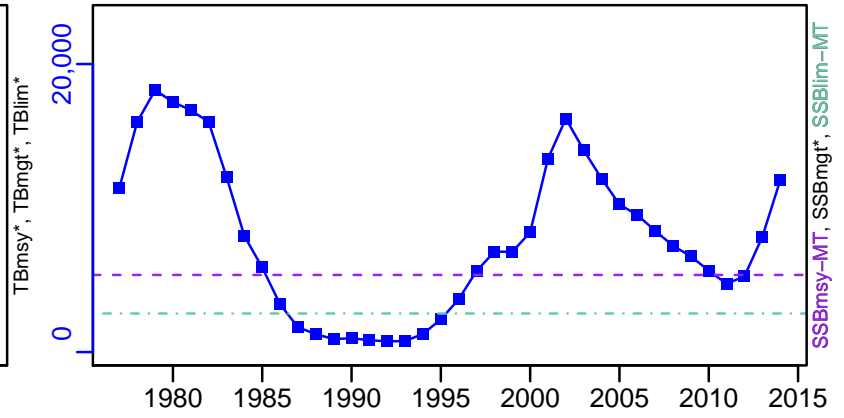
◆ Start Year ◆ End Year * No Data

Haddock NAFO-5Y [HAD5Y]

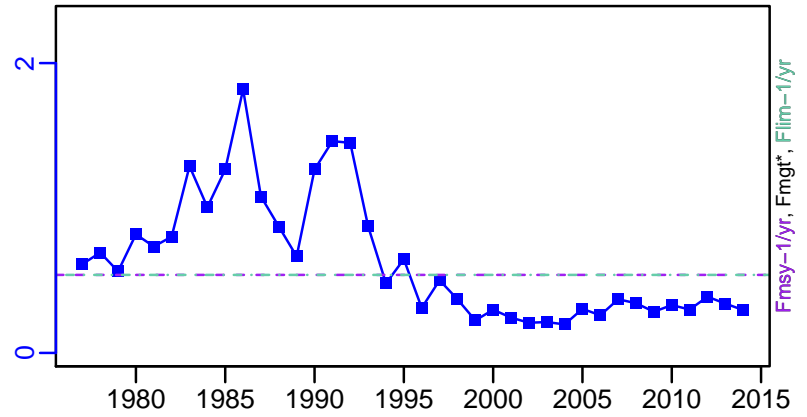
TB-MT (1964–2011–CHING)



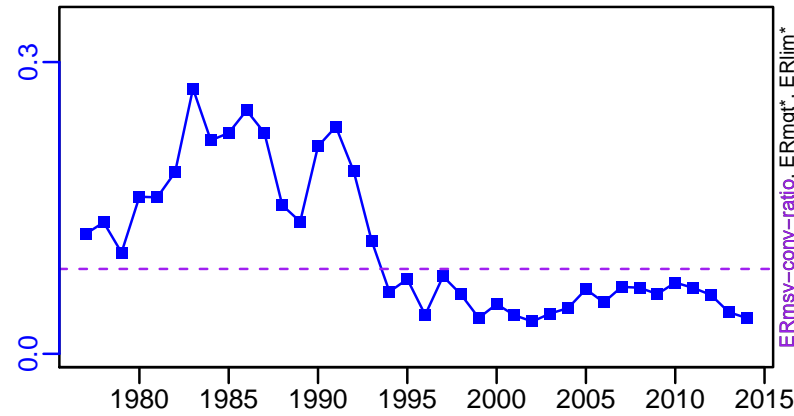
SSB-MT (1977–2014–SISIMP2016)



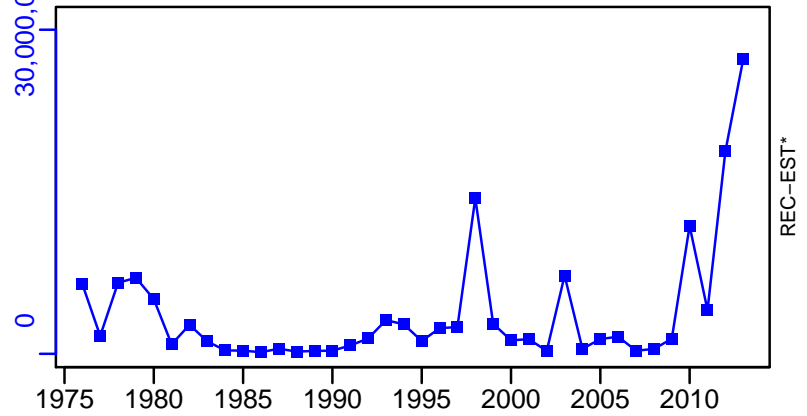
F-1/yr (1977–2014–SISIMP2016)



ER-calc-ratio (1977–2014–SISIMP2016)

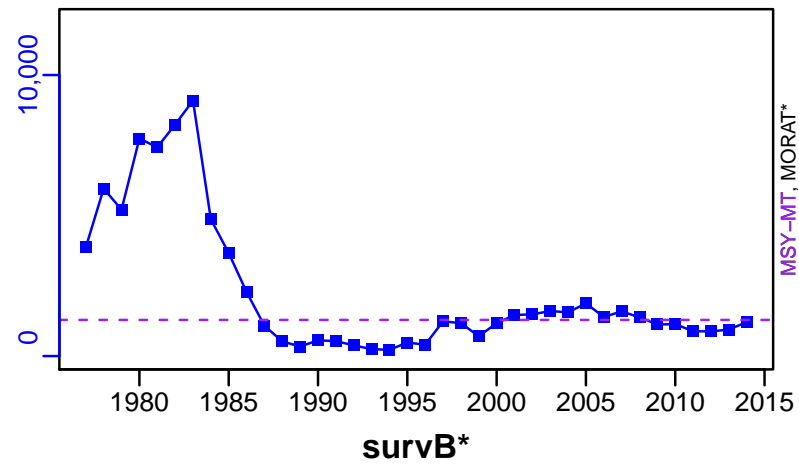


R-E00 (1977–2014–SISIMP2016)



Haddock NAFO-5Y [HAD5Y]

TC-MT, TL*, RecC* (1977-2014-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Haddock Georges Bank [HADGB]

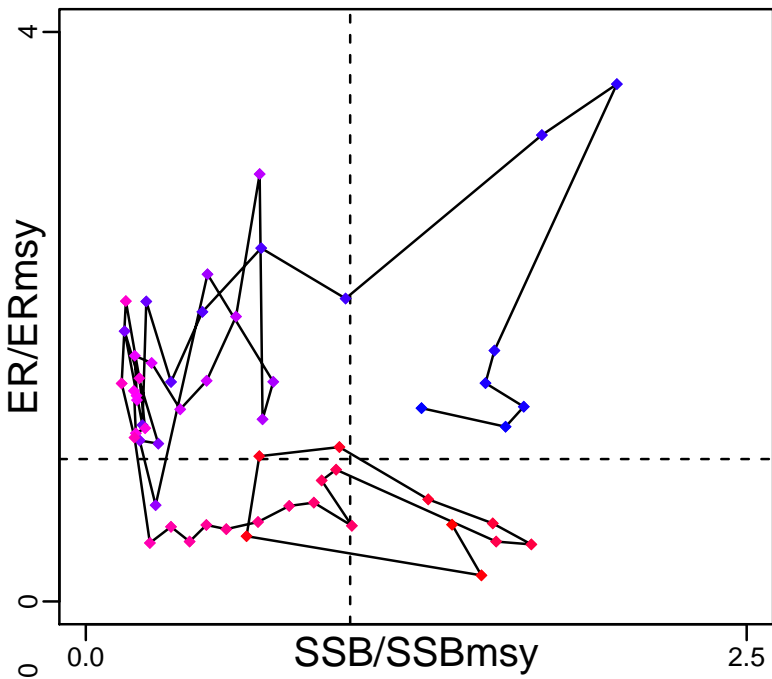
Metadata	
Scientific Name	Melanogrammus aeglefinus
Current Assess ID	NEFSC-HADGB-1960-2014-SISIMP2016
Area	Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2010, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	108,300
Fmsy	Fmsy-1/yr	2014	0.39
ERmsy	ERmsy-conv-ratio	2014	0.07
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	24,900
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	54,150
Flim	Flim-1/yr	2014	0.39
ERlim	-	-	-

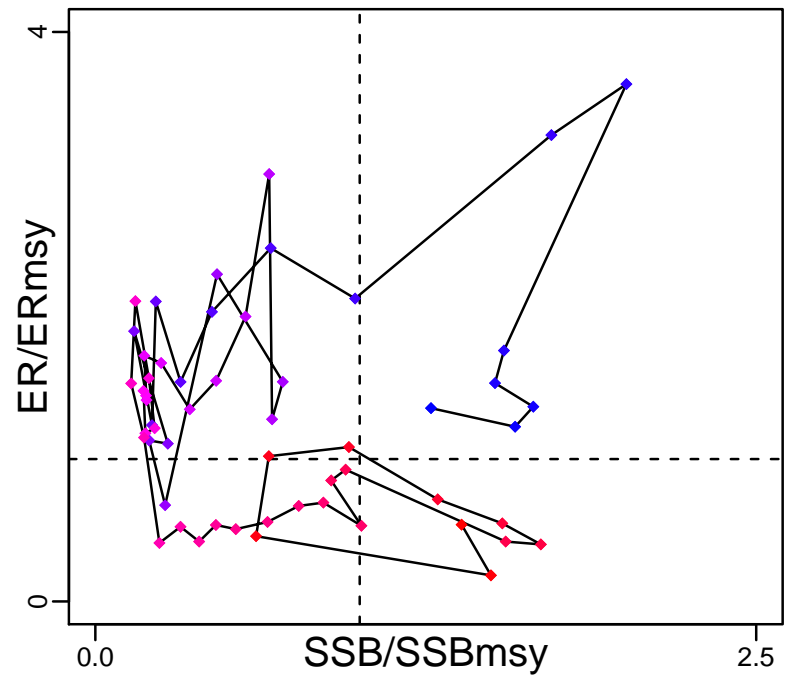
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	150,000	-	-
TN	-	-	-	-	-
R	R-E00	2014	3.41×10^9	-	1
F	F-1/yr	2014	0	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	18,600		
TL	TL-MT	2010	21,500		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	1.39		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.62		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.54		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Haddock Georges Bank [HADGB]

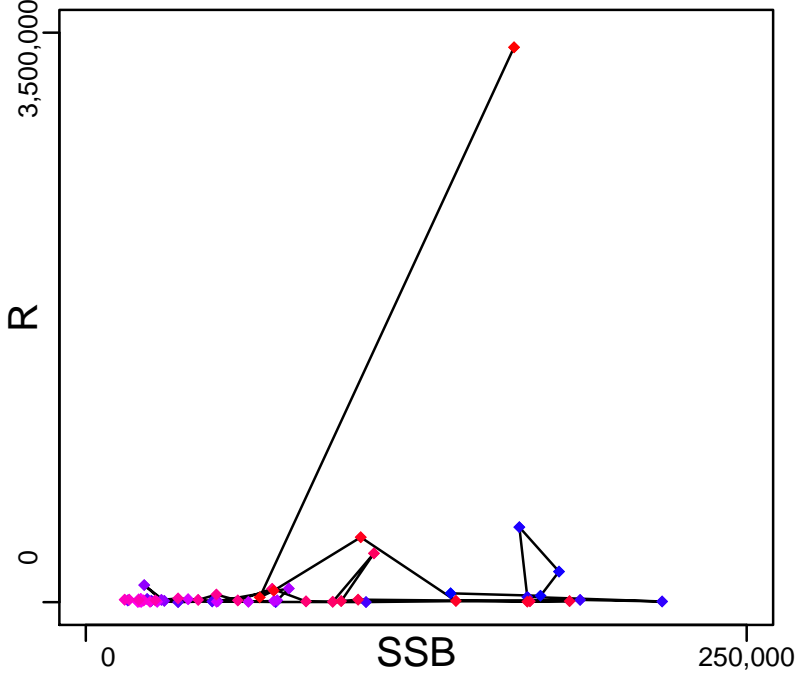
Kobe MSYpref (1960–2014–SISIMP2016)



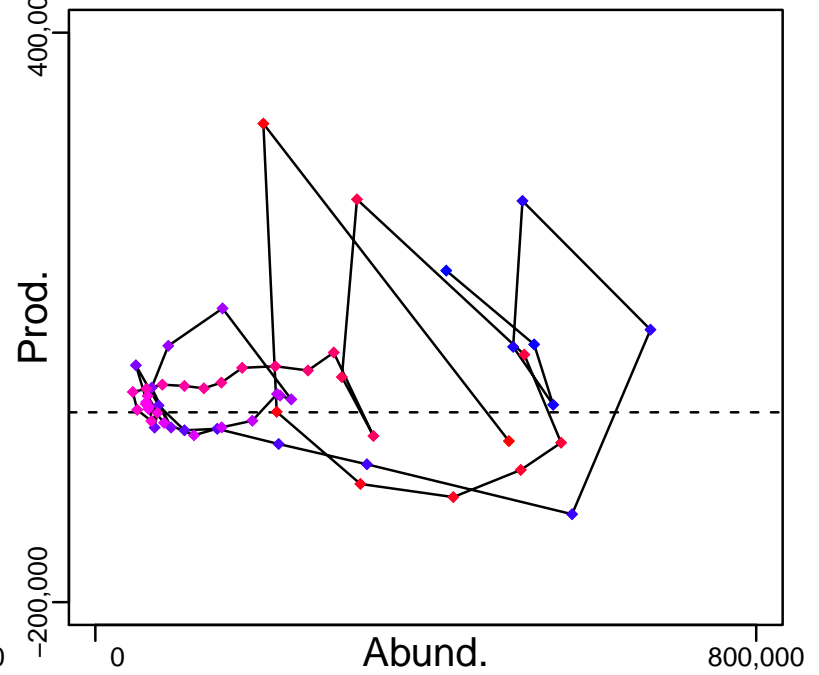
Kobe MGTpref (1960–2014–SISIMP2016)



Spawner Recruit (1960–2014–SISIMP2016)



Production (1960–2014–SISIMP2016)



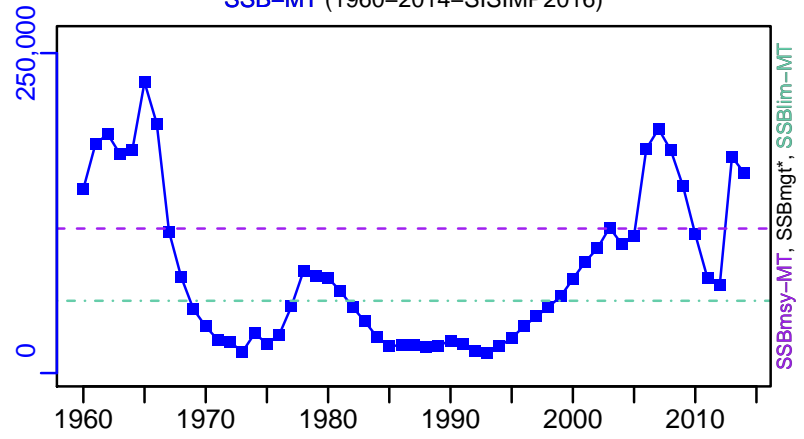
◆ Start Year ◆ End Year * No Data

Haddock Georges Bank [HADGB]

TB*



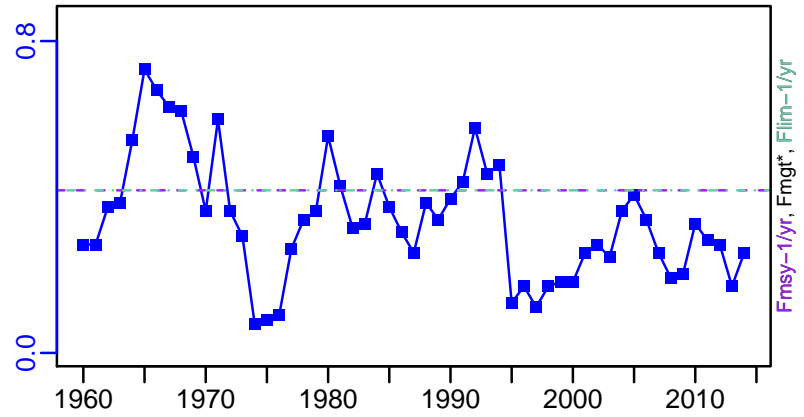
SSB-MT (1960–2014–SISIMP2016)



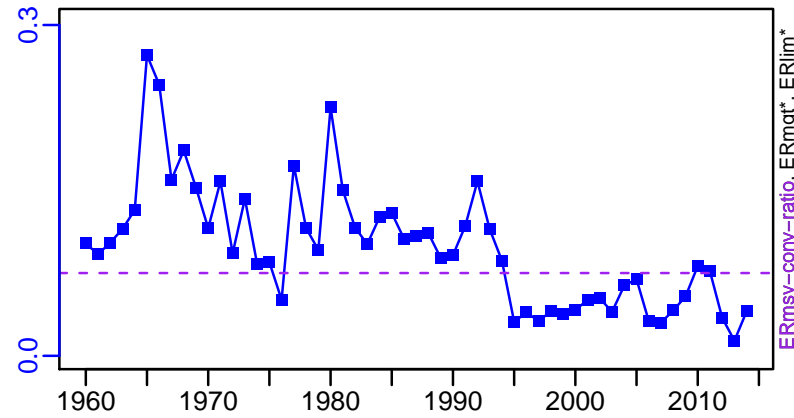
TN *



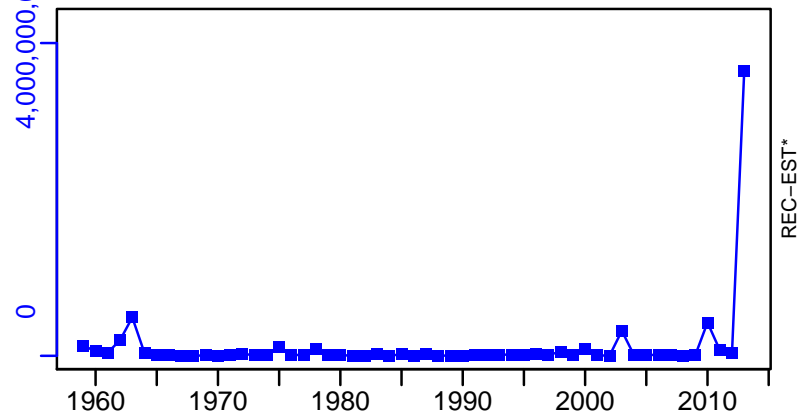
F-1/yr (1960–2014–SISIMP2016)



ER-calc-ratio (1960–2014–SISIMP2016)

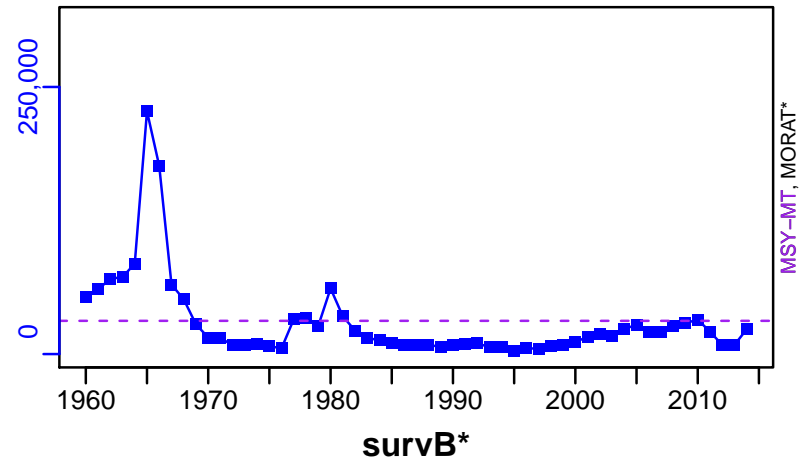


R-E00 (1960–2014–SISIMP2016)



Haddock Georges Bank [HADGB]

TC-MT, TL*, RecC* (1960-2014-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Atlantic herring Northwestern Atlantic Coast [HERRNWATLC]

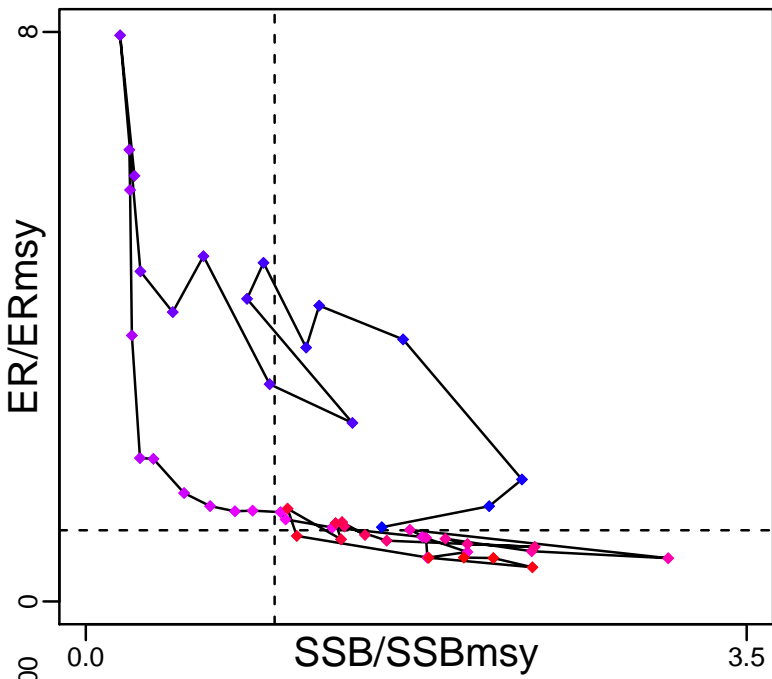
Metadata	
Scientific Name	Clupea harengus
Current Assess ID	NEFSC-HERRNWATLC-1965-2014-SISIMP2016
Area	Northwestern Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	311,145
Fmsy	Fmsy-1/yr	2014	0.24
ERmsy	ERmsy-conv-ratio	2014	0.12
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	77,247
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	155,572
Flim	Flim-1/yr	2014	0.24
ERlim	-	-	-

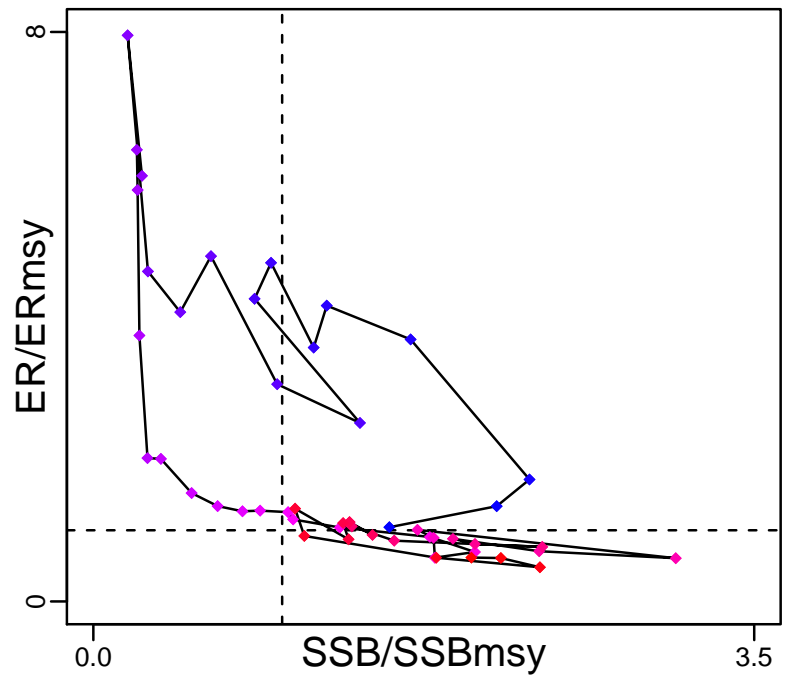
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	1,320,000	-	-
SSB	SSB-MT	2014	623,000	-	-
TN	-	-	-	-	-
R	R-E00	2014	2.75×10^{10}	-	1
F	F-1/yr	2014	0	-	5
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	95,300		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	2		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.67		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.62		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Atlantic herring Northwestern Atlantic Coast [HERRNWATLC]

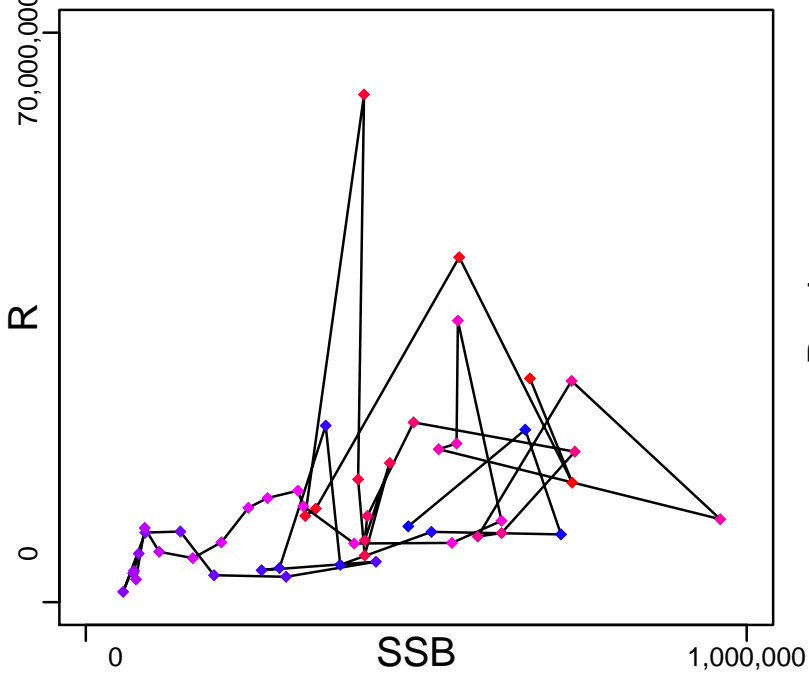
Kobe MSYpref (1965–2014–SISIMP2016)



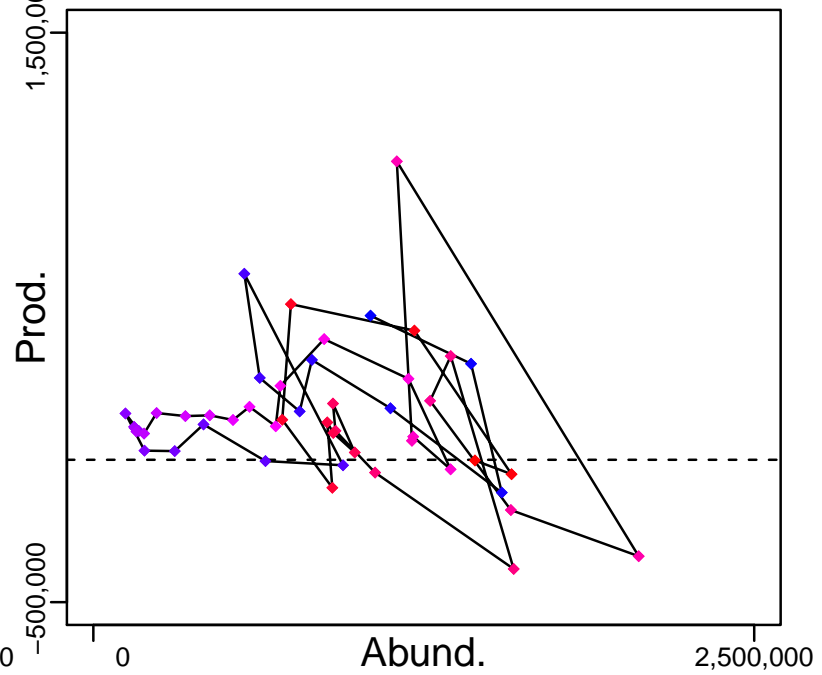
Kobe MGTpref (1965–2014–SISIMP2016)



Spawner Recruit (1965–2014–SISIMP2016)



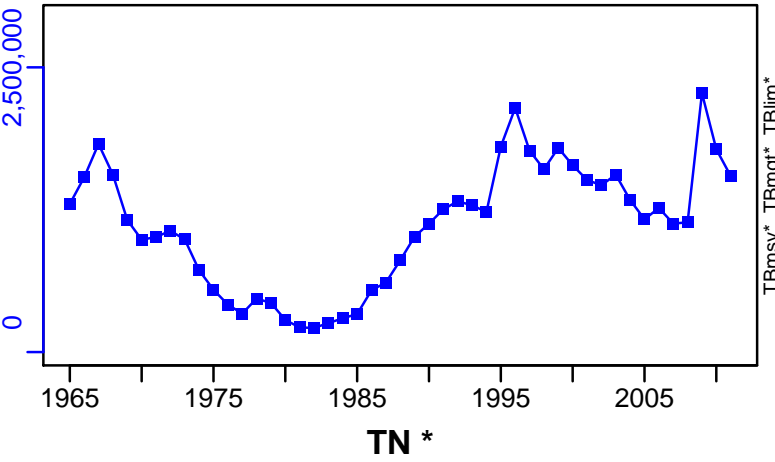
Production (1965–2014–SISIMP2016)



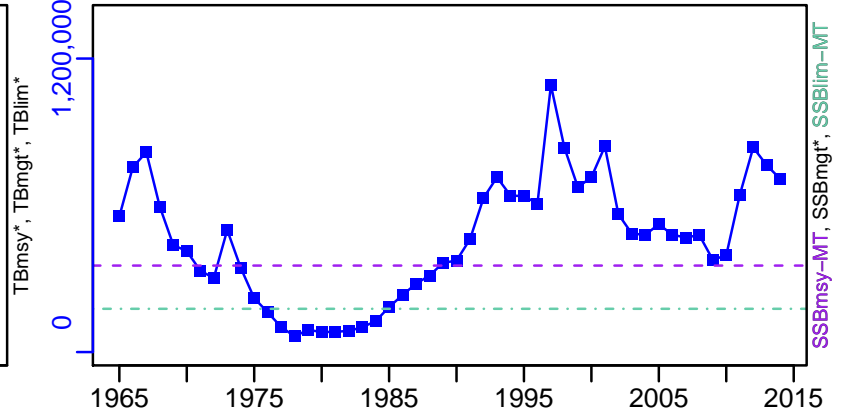
◆ Start Year ◆ End Year * No Data

Atlantic herring Northwestern Atlantic Coast [HERRNWATLC]

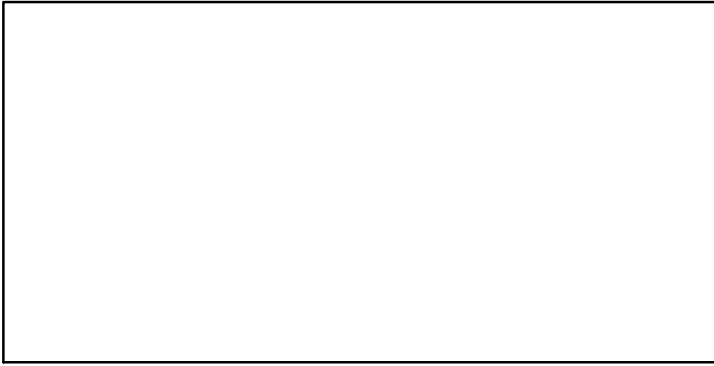
TB-MT (1964–2011–HIVELY)



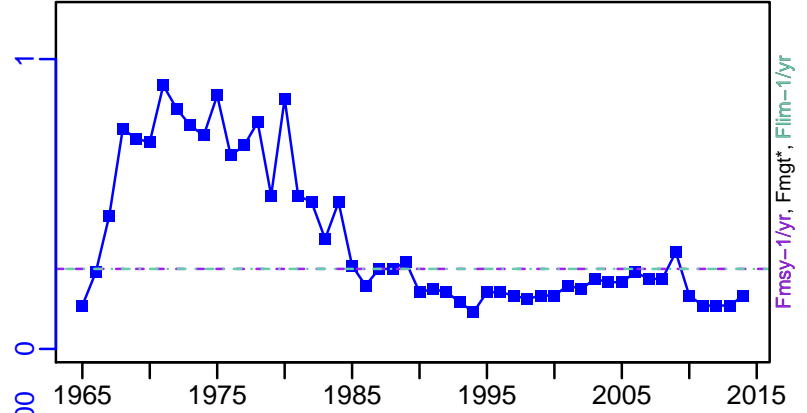
SSB-MT (1965–2014–SISIMP2016)



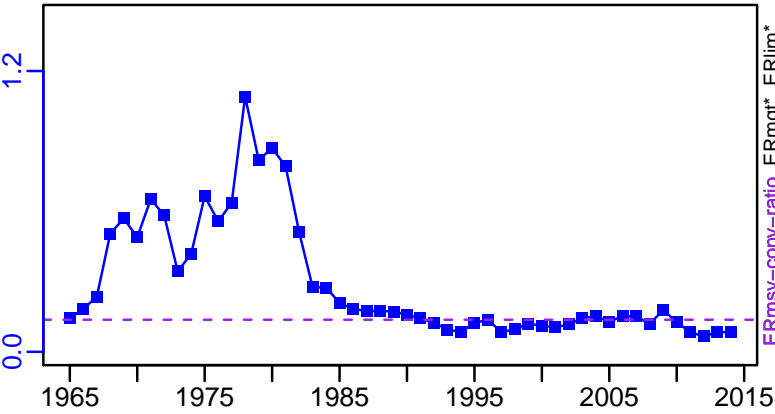
TN *



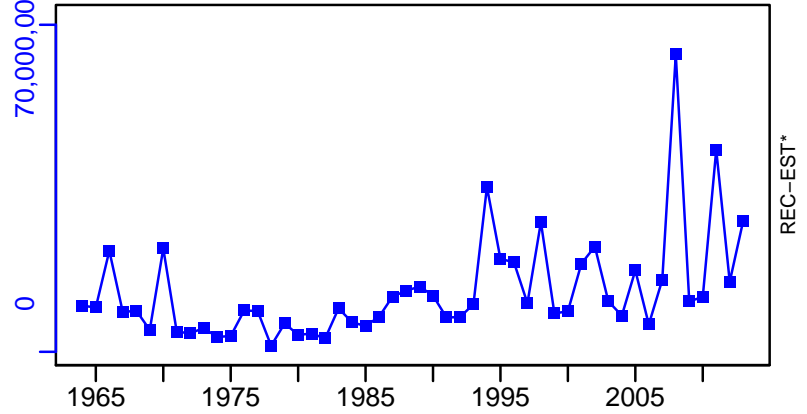
F-1/yr (1965–2014–SISIMP2016)



ER-calc-ratio (1965–2014–SISIMP2016)



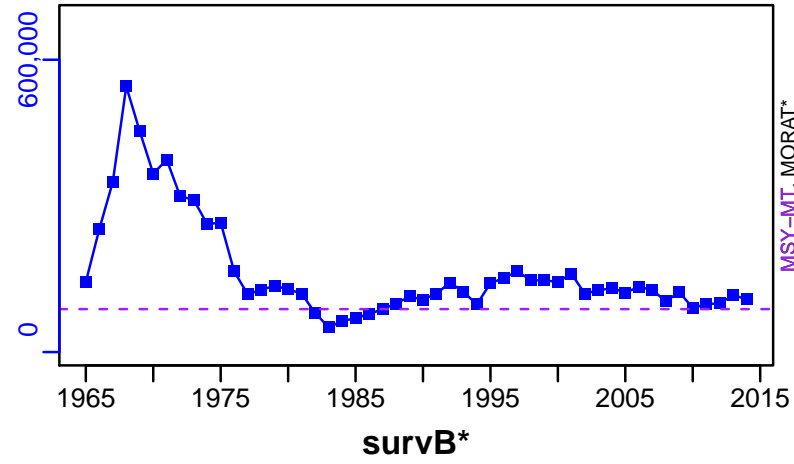
R-E00 (1965–2014–SISIMP2016)



Atlantic herring Northwestern Atlantic Coast [HERRNWATLC]

TC-MT, TL*, RecC* (1965-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Northern shortfin squid Northwestern Atlantic Coast [ILLEXNWATLC]

Metadata	
Scientific Name	Illex illecebrosus
Current Assess ID	NEFSC-ILLEXNWATLC-1967-2005-HENDRICKSON
Area	Northwestern Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2005

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	TB-relative	2005	1	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2005	12,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*

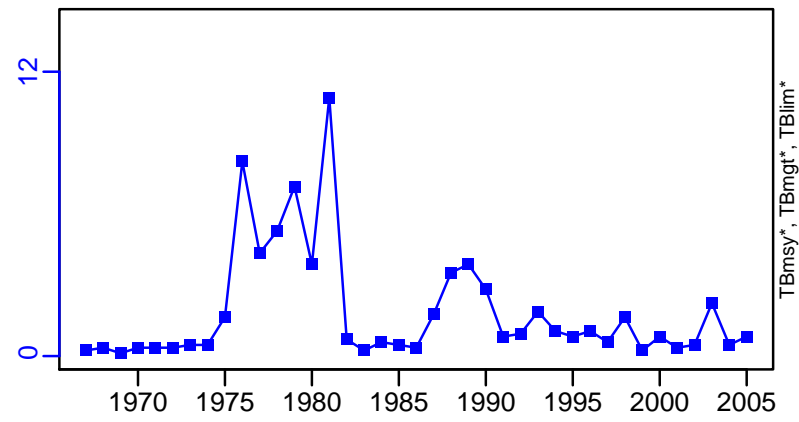


◆ Start Year ◆ End Year * No Data

Northern shortfin squid Northwestern Atlantic Coast [ILLEXNWATLC]

TB-relative (1967–2005–HENDRICKSON)

SSB*

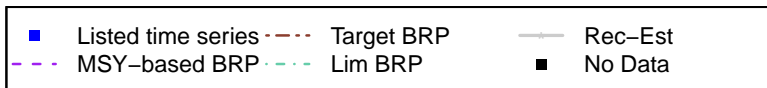


TN *

F*

ER*

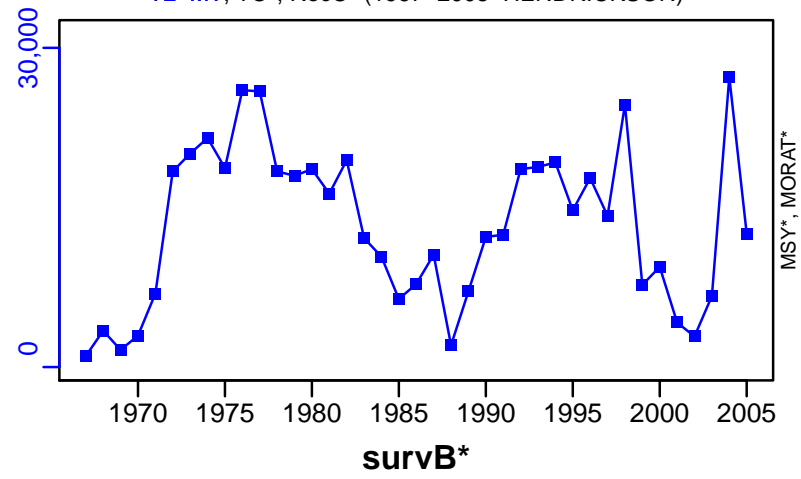
Recruits*



Northern shortfin squid Northwestern Atlantic Coast [ILLEXNWATLC]

TL-MT, TC*, RecC* (1967-2005-HENDRICKSON)

TAC*, Cpair*, Cadv*



EFFORT*

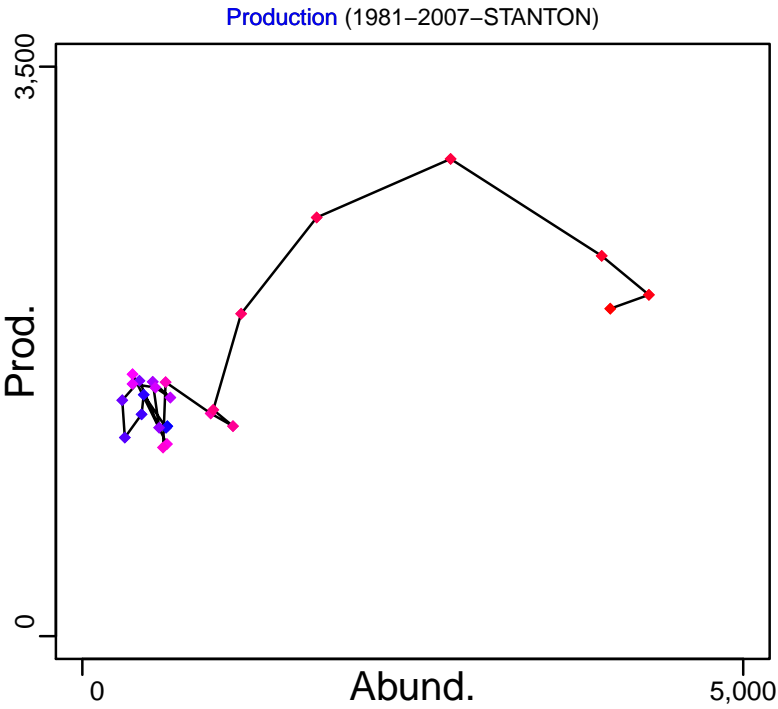
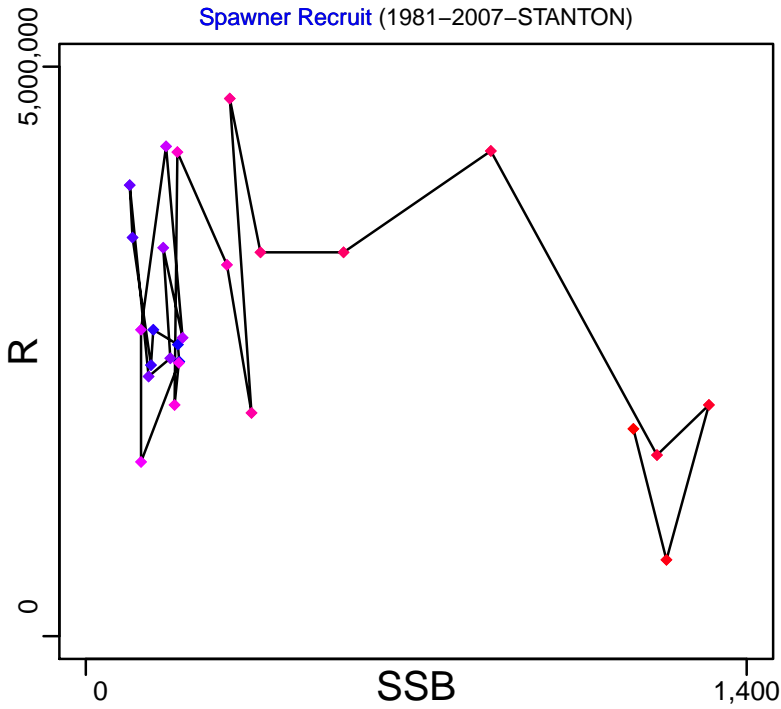
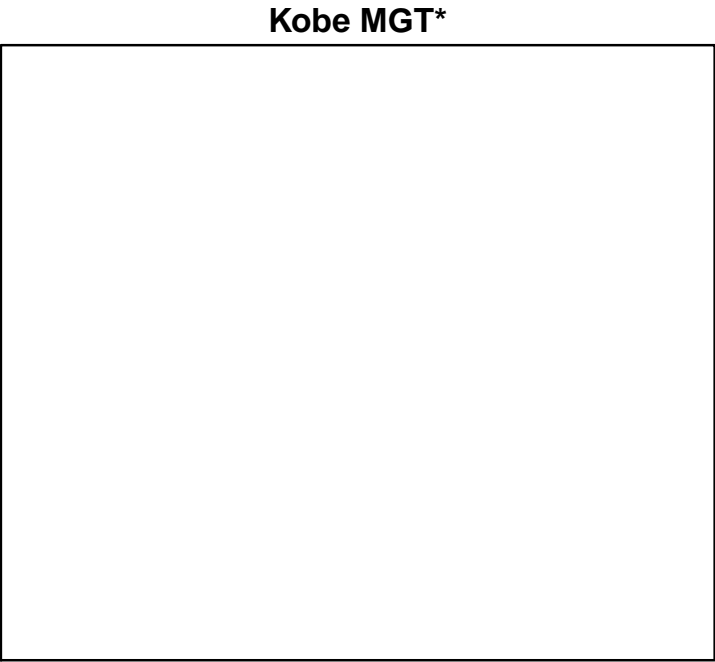


American lobster Georges Bank [LOBSTERGB]

Metadata	
Scientific Name	Homarus americanus
Current Assess ID	ASMFC-LOBSTERGB-1981-2007-STANTON
Area	Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Atlantic States Marine Fisheries Commission
Asmts in RAM	2007

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2007	0.15
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2007	1160	Females	-
TN	-	-	-	-	-
R	R-E00	2007	1,820,000	-	-
F	F-1/yr	2007	0	-	-
ER	ER-ratio	2007	1	-	-
TC	-	-	-		
TL	TL-MT	2007	2060		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



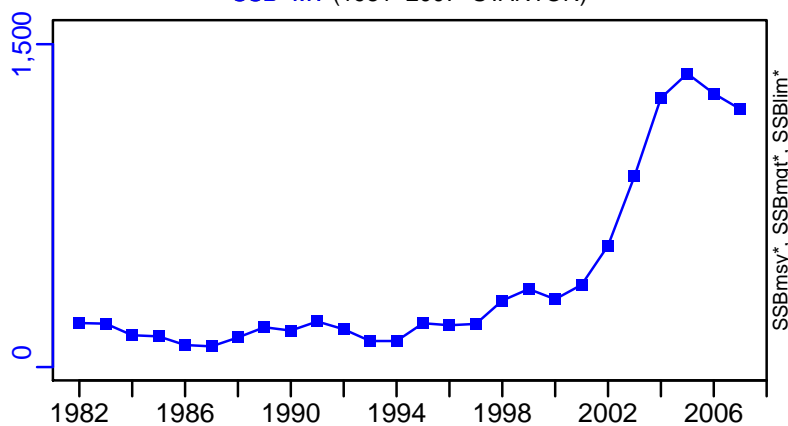
◆ Start Year ◆ End Year * No Data

American lobster Georges Bank [LOBSTERGB]

TB*



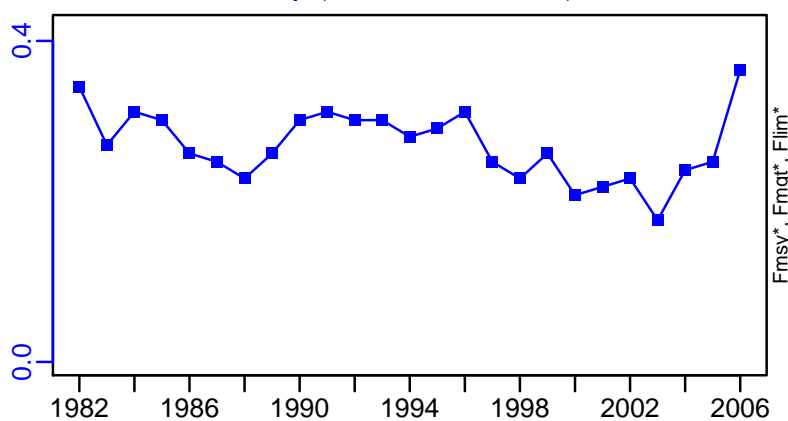
SSB-MT (1981-2007-STANTON)



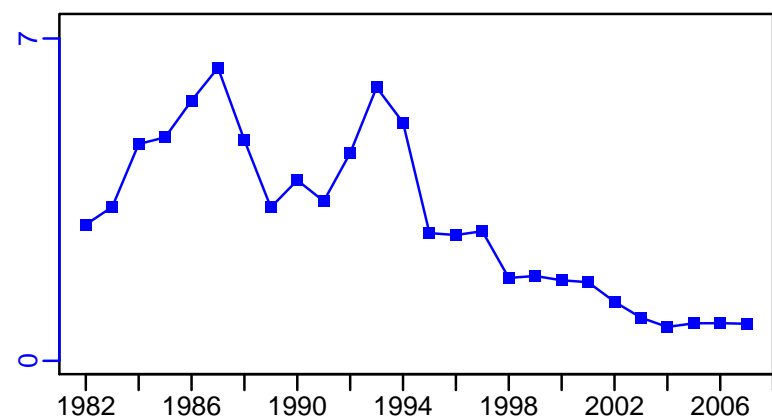
TN *



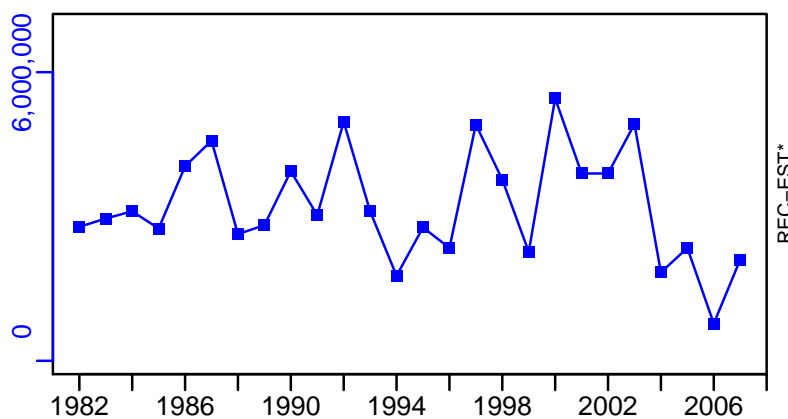
F-1/yr (1981-2007-STANTON)



ER-ratio (1981-2007-STANTON)

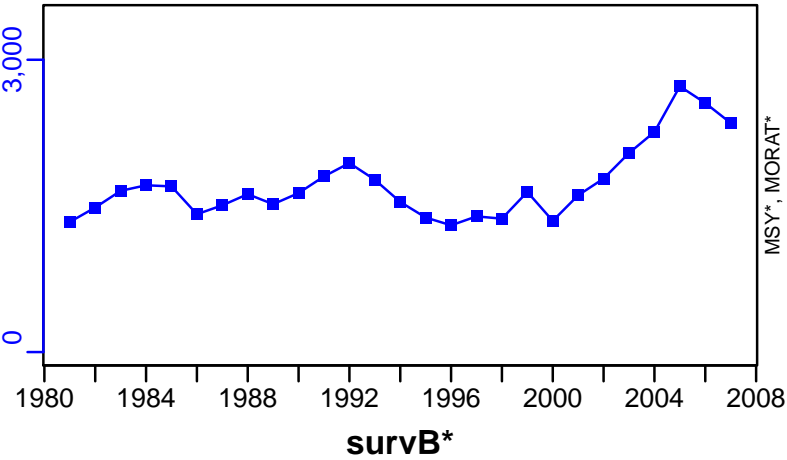


R-E00 (1981-2007-STANTON)



American lobster Georges Bank [LOBSTERGB]

TL-MT, TC*, RecC* (1981-2007-STANTON)



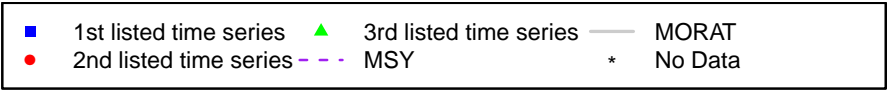
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



American lobster Gulf of Maine [LOBSTERGOM]

Metadata	
Scientific Name	Homarus americanus
Current Assess ID	ASMFC-LOBSTERGOM-1981-2007-STANTON
Area	Gulf of Maine
Management Authority	National Marine Fisheries Service, US national management
Assessor	Atlantic States Marine Fisheries Commission
Asmts in RAM	2007

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2007	15,000
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2007	0.15
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2007	8710	Females	-
TN	-	-	-	-	-
R	R-E00	2007	22,600,000	-	-
F	F-1/yr	2007	1	-	-
ER	ER-ratio	2007	2	-	-
TC	-	-	-		
TL	TL-MT	2007	32,700		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2007	0.58		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

American lobster Gulf of Maine [LOBSTERGOM]

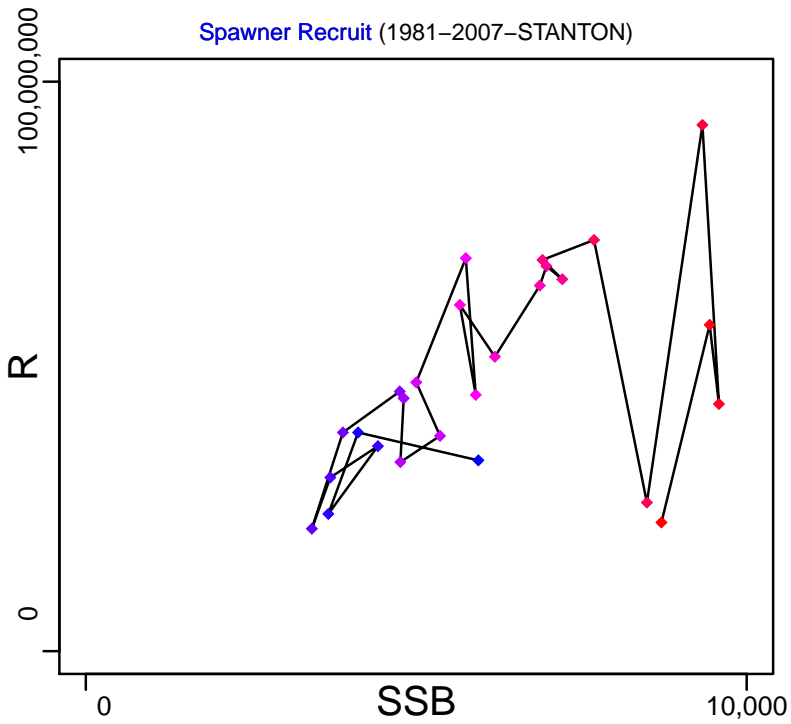
Kobe MSY*



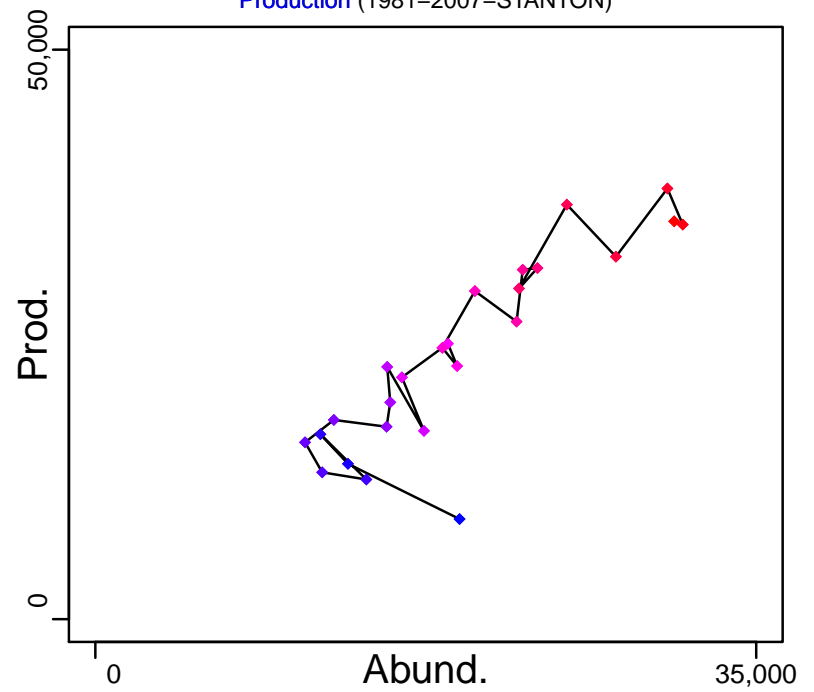
Kobe MGT*



Spawner Recruit (1981–2007–STANTON)



Production (1981–2007–STANTON)



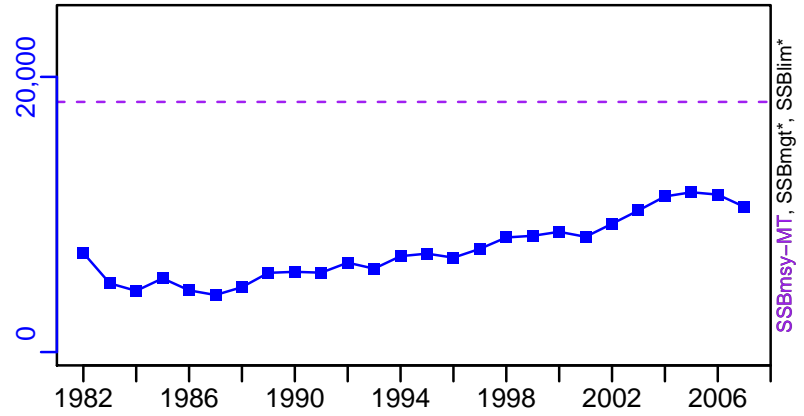
◆ Start Year ◆ End Year * No Data

American lobster Gulf of Maine [LOBSTERGOM]

TB*



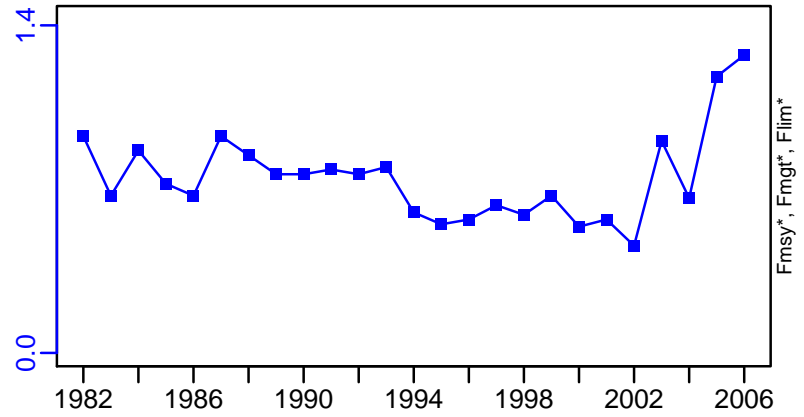
SSB-MT (1981-2007-STANTON)



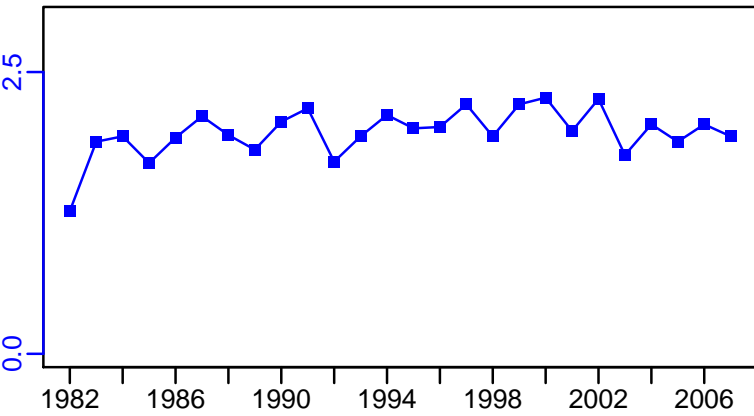
TN *



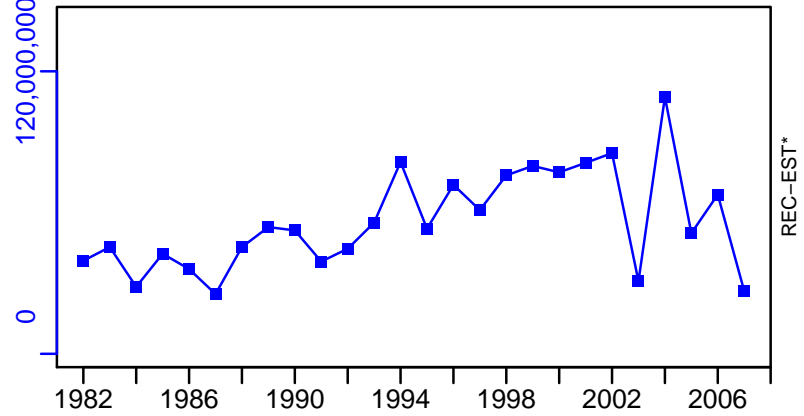
F-1/yr (1981-2007-STANTON)



ER-ratio (1981-2007-STANTON)



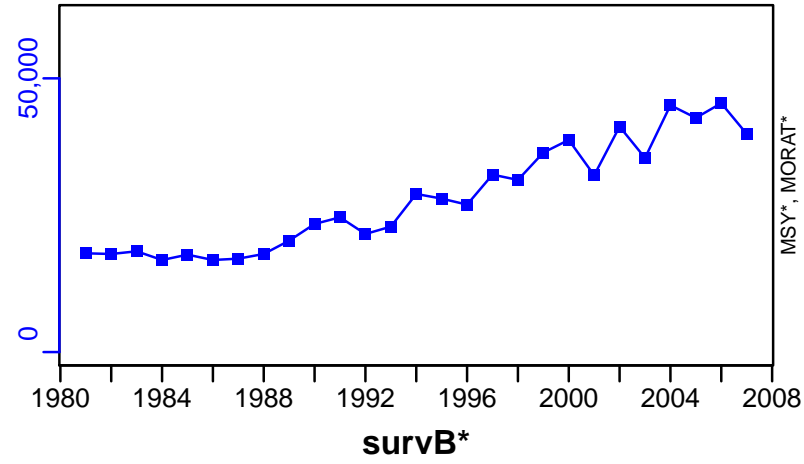
R-E00 (1981-2007-STANTON)



American lobster Gulf of Maine [LOBSTERGOM]

TL-MT, TC*, RecC* (1981-2007-STANTON)

TAC*, Cpair*, Cadv*



EFFORT*



American lobster Southern New England [LOBSTERSNE]

Metadata	
Scientific Name	Homarus americanus
Current Assess ID	ASMFC-LOBSTERSNE-1981-2007-STANTON
Area	Southern New England
Management Authority	National Marine Fisheries Service, US national management
Assessor	Atlantic States Marine Fisheries Commission
Asmts in RAM	2007

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2007	0.15
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2007	3740	Females	-
TN	-	-	-	-	-
R	R-E00	2007	4,440,000	-	-
F	F-1/yr	2007	1	-	-
ER	ER-ratio	2007	0	-	-
TC	-	-	-		
TL	TL-MT	2007	2440		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

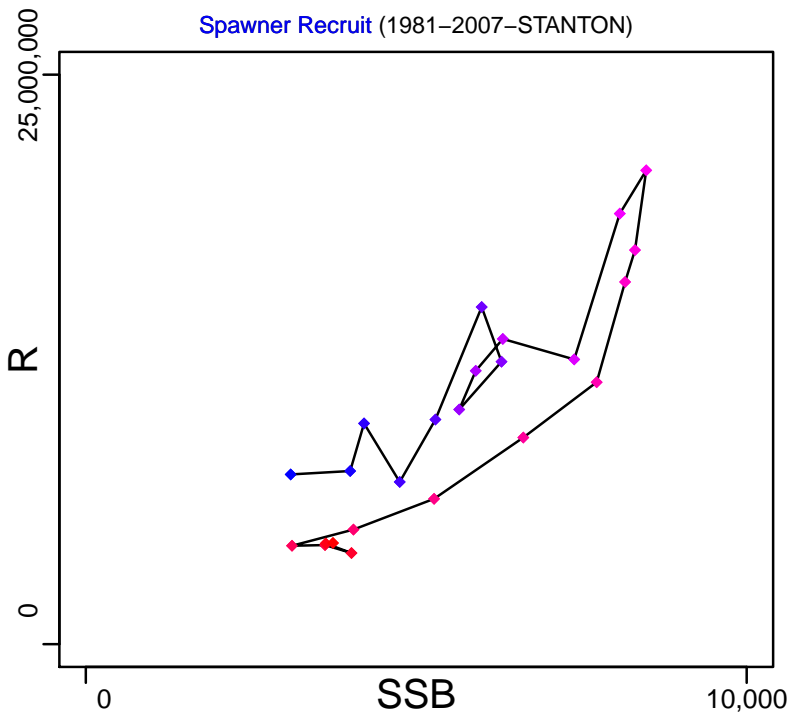
Kobe MSY*



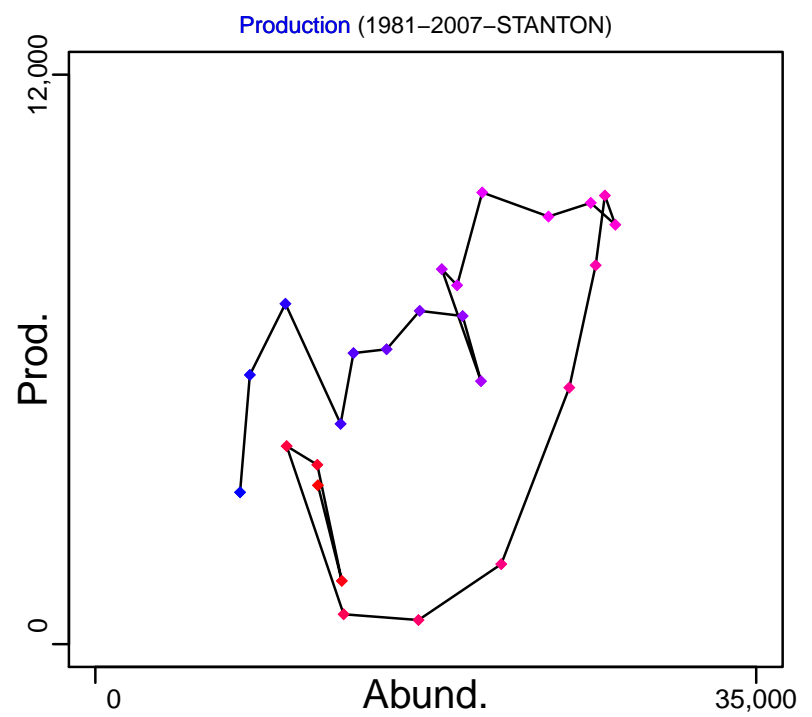
Kobe MGT*



Spawner Recruit (1981–2007–STANTON)



Production (1981–2007–STANTON)



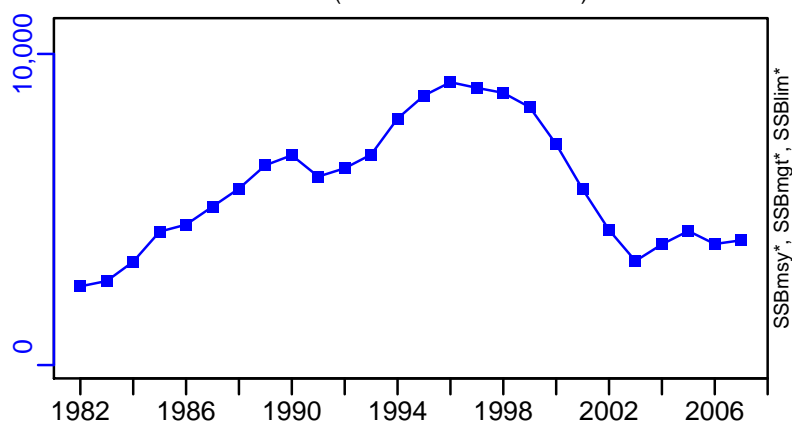
◆ Start Year ◆ End Year * No Data

American lobster Southern New England [LOBSTERSNE]

TB*



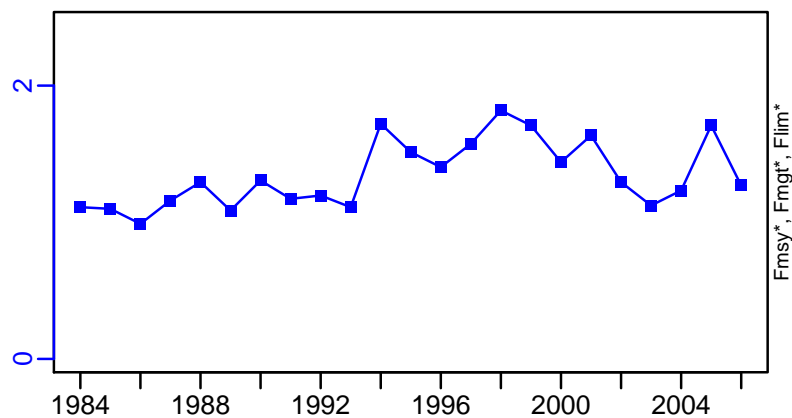
SSB-MT (1981-2007-STANTON)



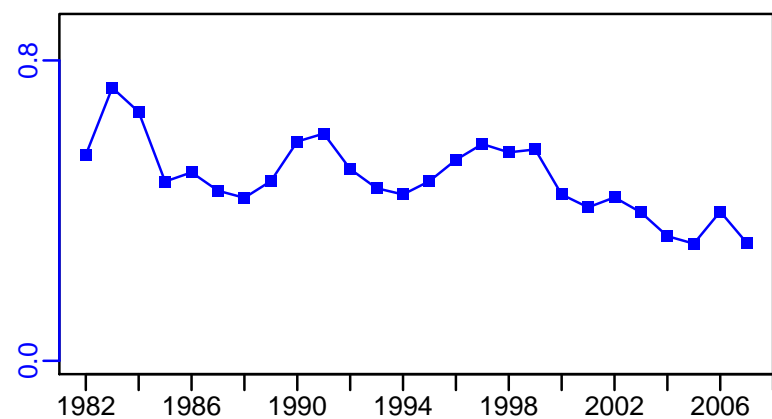
TN *



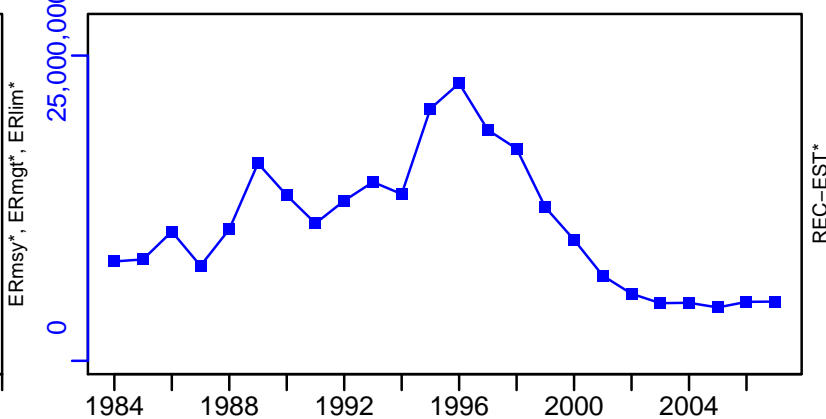
F-1/yr (1981-2007-STANTON)



ER-ratio (1981-2007-STANTON)



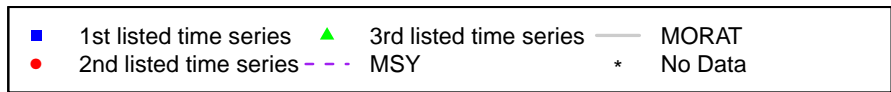
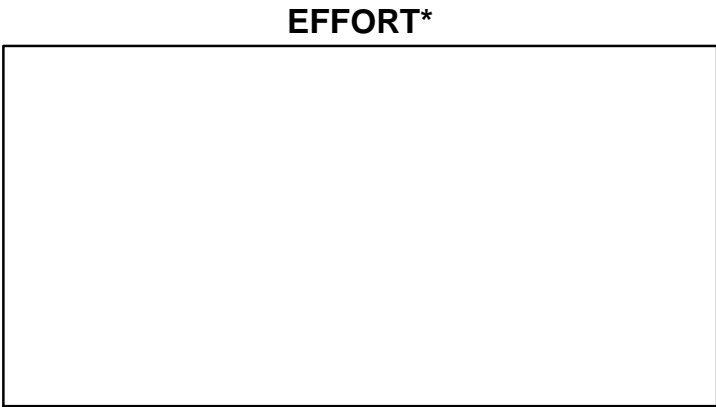
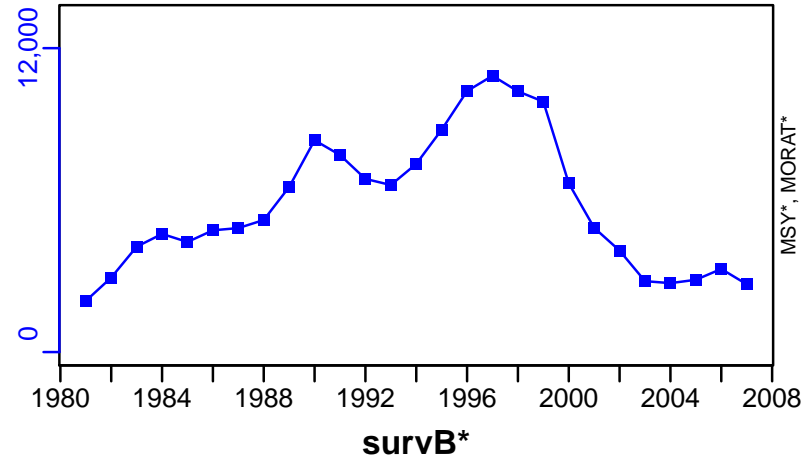
R-E00 (1981-2007-STANTON)



American lobster Southern New England [LOBSTERSNE]

TL-MT, TC*, RecC* (1981-2007-STANTON)

TAC*, Cpair*, Cadv*



Little skate Gulf of Maine / Cape Hatteras [LSKAT5YCHATT]

Metadata	
Scientific Name	Leucoraja erinacea
Current Assess ID	NEFSC-LSKAT5YCHATT-1968-2006-SOSEBEE
Area	Gulf of Maine / Cape Hatteras
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2006

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	-	-	-		
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

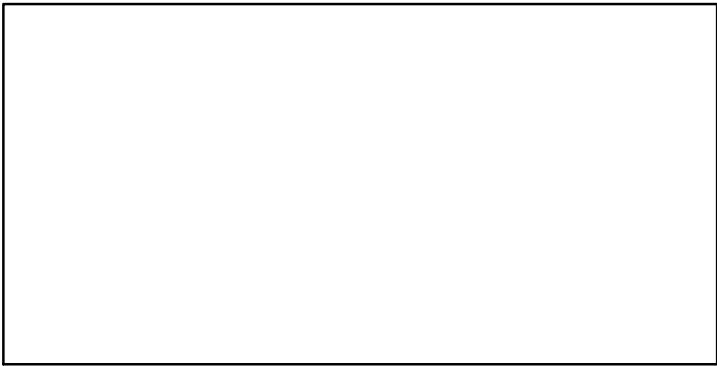
TB*



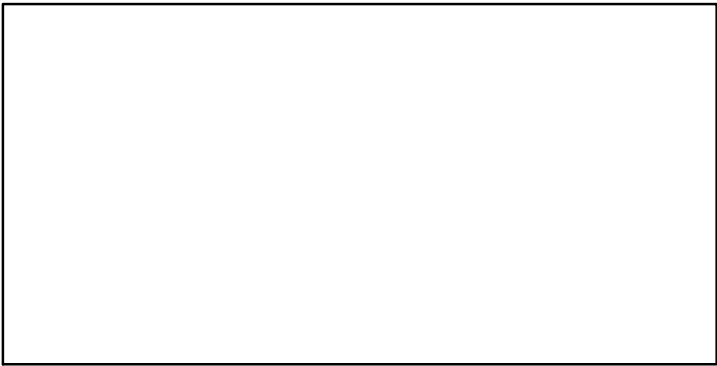
SSB*



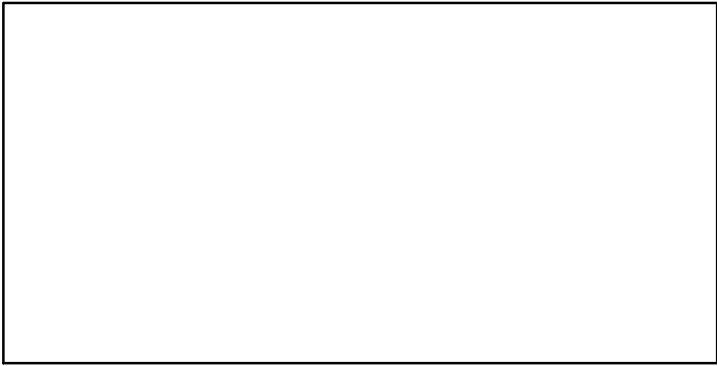
TN *



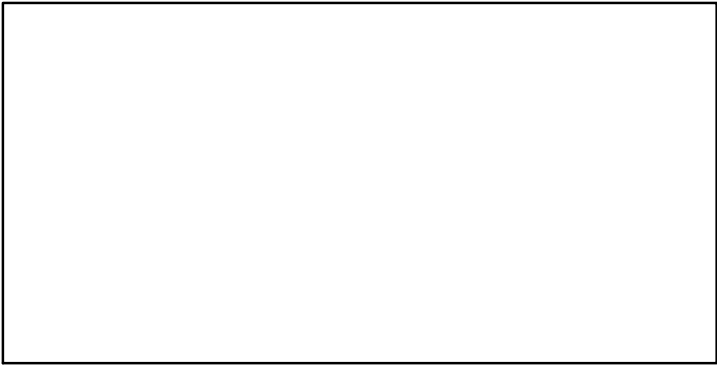
F*



ER*



Recruits*



Little skate Gulf of Maine / Cape Hatteras [LSKAT5YCHATT]

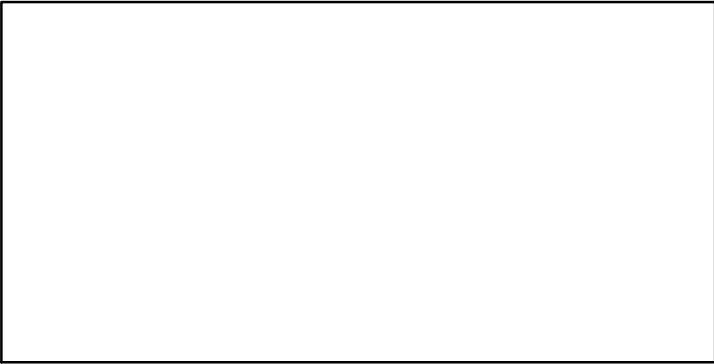
TC*, TL*, RecC*



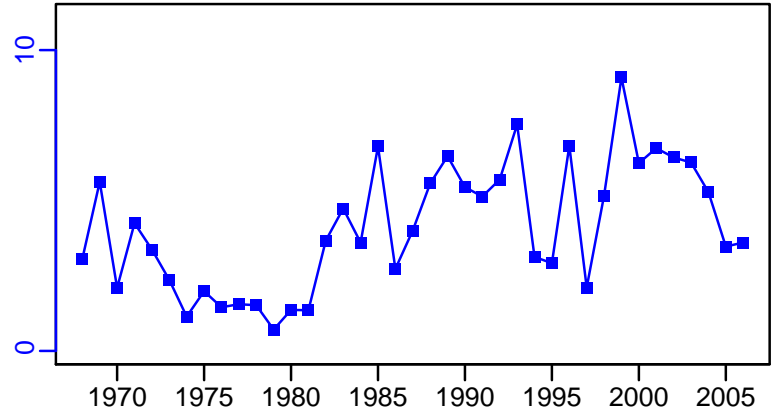
TAC*, Cpair*, Cadv*



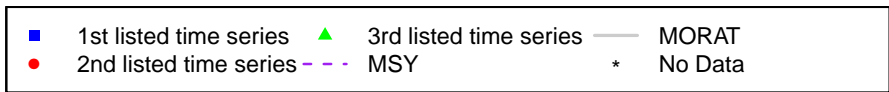
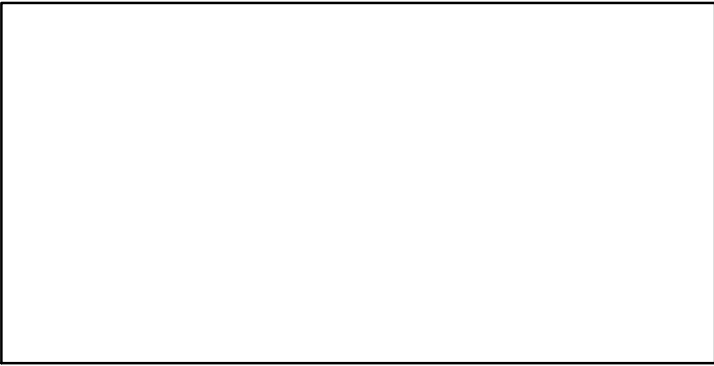
survB*



CPUE-kgpertow (1968–2006–SOSEBEE)



EFFORT*

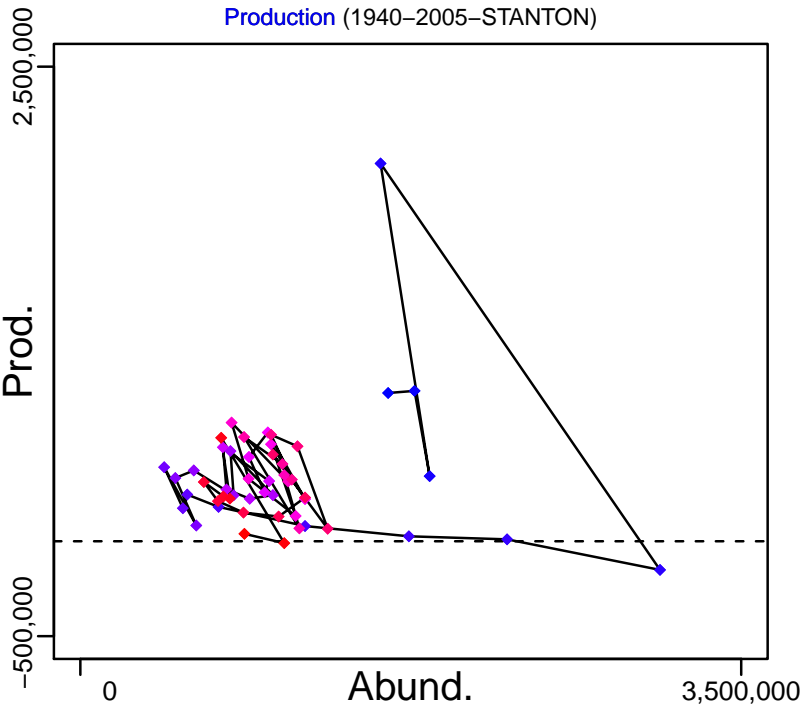


Atlantic menhaden Atlantic [MENATLAN]

Metadata	
Scientific Name	Brevoortia tyrannus
Current Assess ID	NMFS-MENATLAN-1940-2005-STANTON
Area	Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	NOAA Fisheries - National Marine Fisheries Service
Asmts in RAM	2005

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2005	0.5
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2005	689,000	-	2+
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-E00	2005	8.81×10^9	-	0
F	-	-	-	-	-
ER	ER-ratio	2005	0	-	-
TC	-	-	-		
TL	TL-MT	2005	185,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

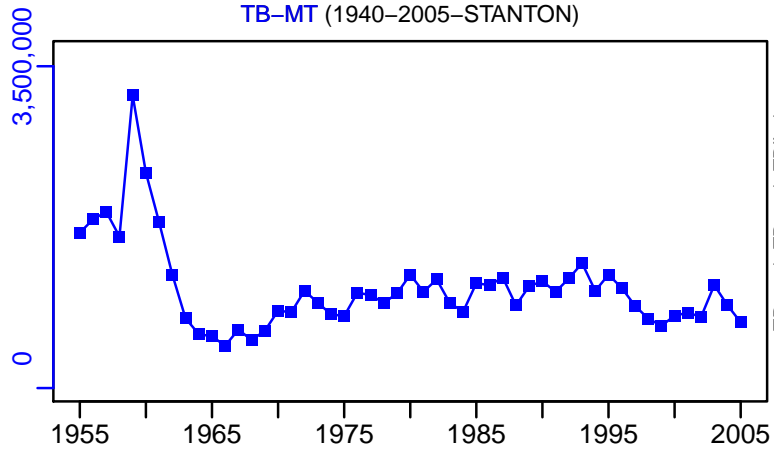


◆ Start Year ◆ End Year * No Data

Atlantic menhaden Atlantic [MENATLAN]

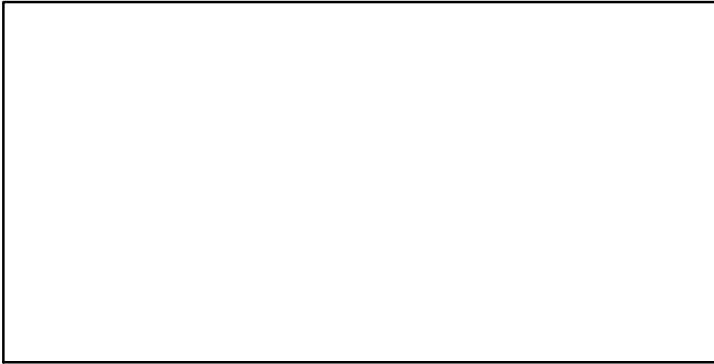
TB-MT (1940-2005-STANTON)

SSB*



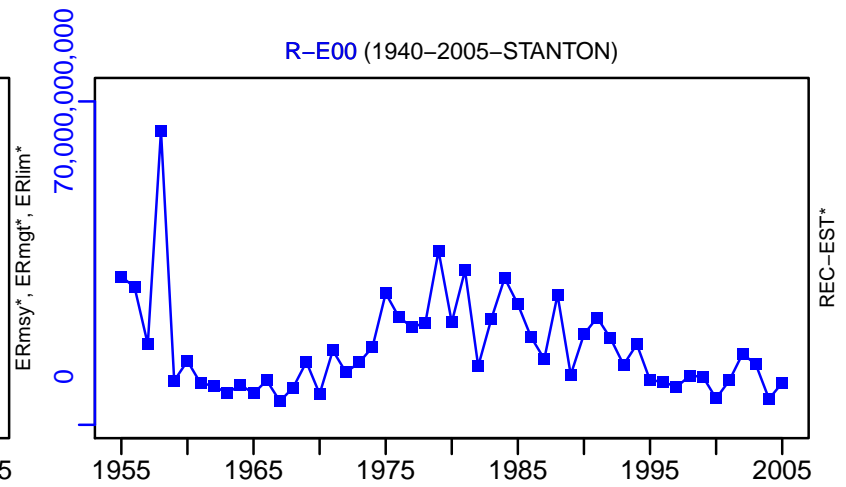
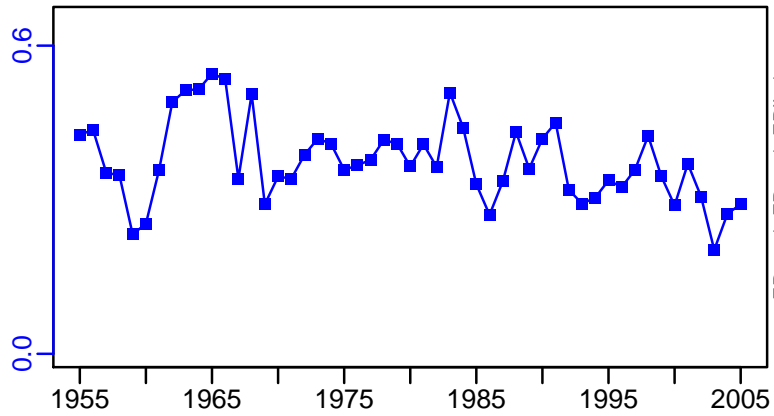
TN *

F*



ER-ratio (1940-2005-STANTON)

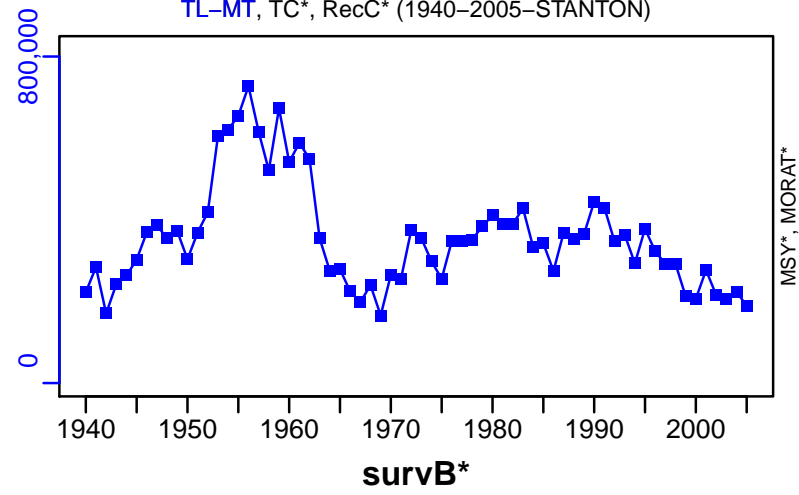
R-E00 (1940-2005-STANTON)



Atlantic menhaden Atlantic [MENATLAN]

TL-MT, TC*, RecC* (1940-2005-STANTON)

TAC*, Cpair*, Cadv*



EFFORT*



Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]

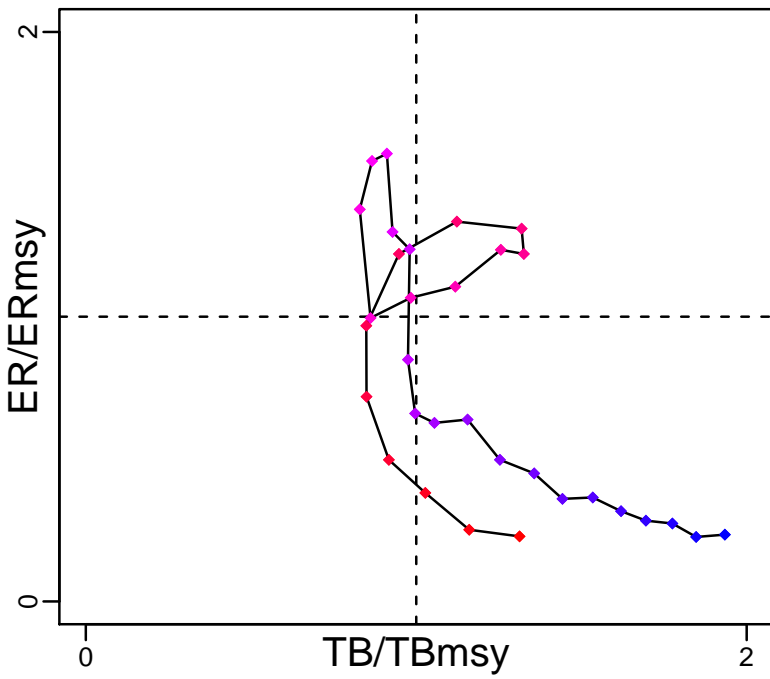
Metadata	
Scientific Name	Lophius americanus
Current Assess ID	NEFSC-MONKGOMNGB-1979-2010-SISIMP2016
Area	Gulf of Maine / Northern Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2010, 2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2010	46,074
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2010	0.44
ERmsy	ERmsy-calc-ratio	2010	0.2
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2010	9383
M	M-1/yr	2009	0.3
TBlim	TBlim-MT	2010	23,037
SSBlim	-	-	-
Flim	Flim-1/yr	2010	0.44
ERlim	-	-	-

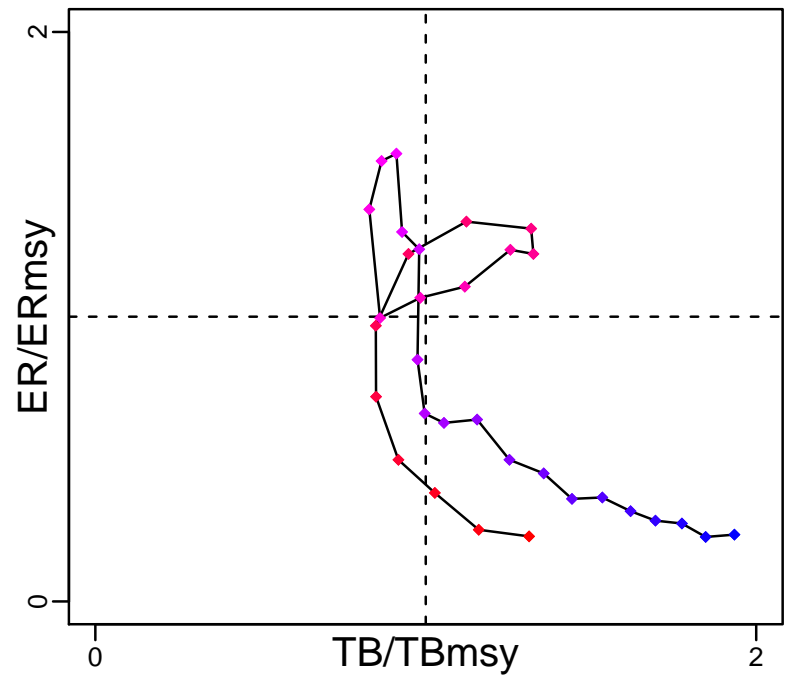
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2010	60,500	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-E00	2010	11,700,000	-	1
F	F-1/yr	2010	0	-	-
ER	ER-calc-ratio	2010	0	-	-
TC	TC-MT	2010	2810		
TL	TL-MT	2009	3260		
TB/TBmsy	TB-MT/TBmsy-MT	2010	1.31		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2010	0.18		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2010	0.23		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]

Kobe MSYpref (1979–2010–SISIMP2016)



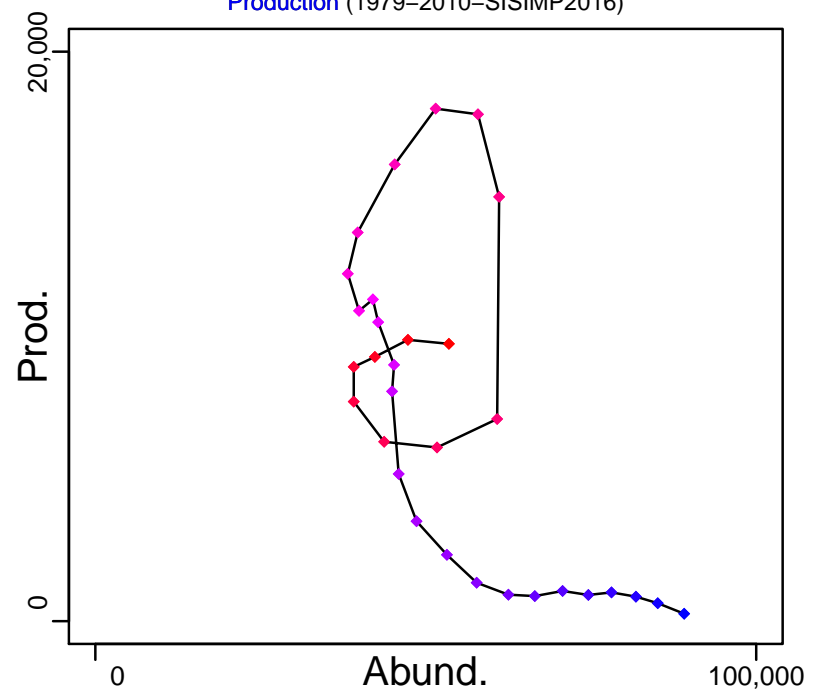
Kobe MGTpref (1979–2010–SISIMP2016)



Spawner Recruit*



Production (1979–2010–SISIMP2016)

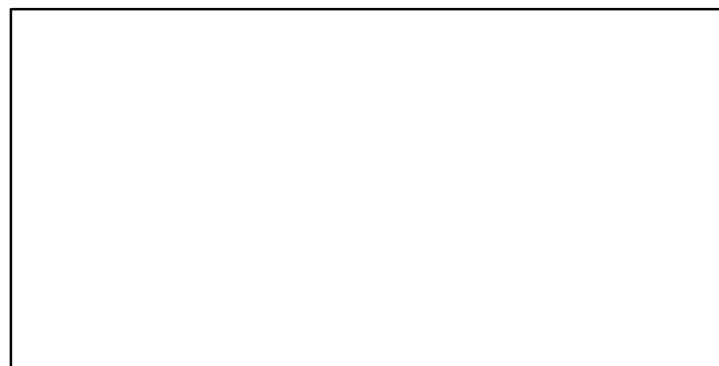
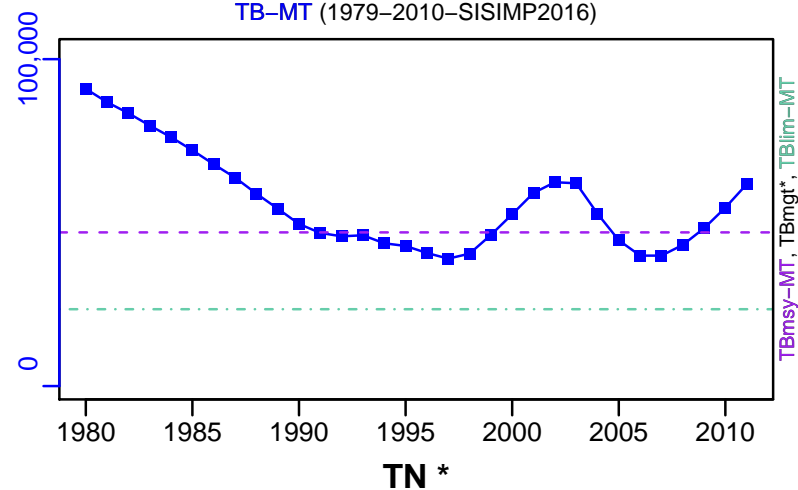


◆ Start Year ◆ End Year * No Data

Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]

TB-MT (1979-2010-SISIMP2016)

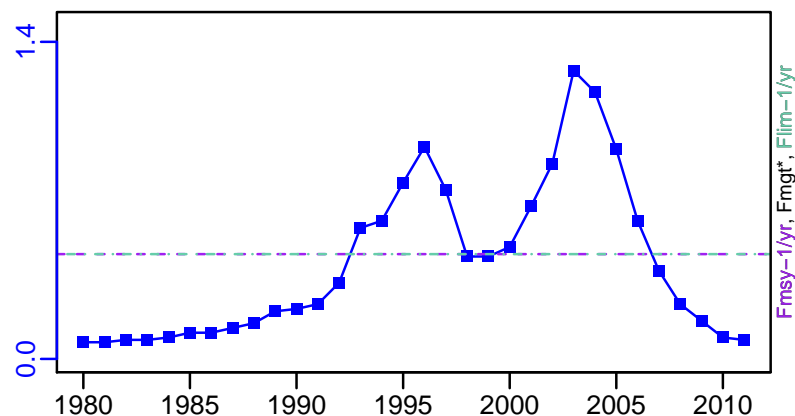
SSB*



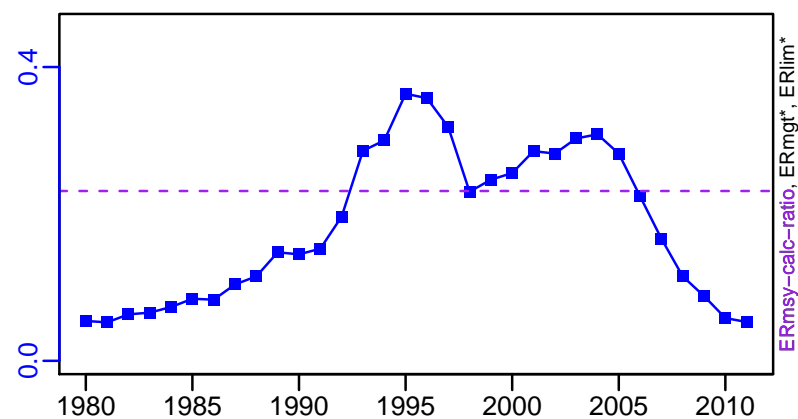
TN *



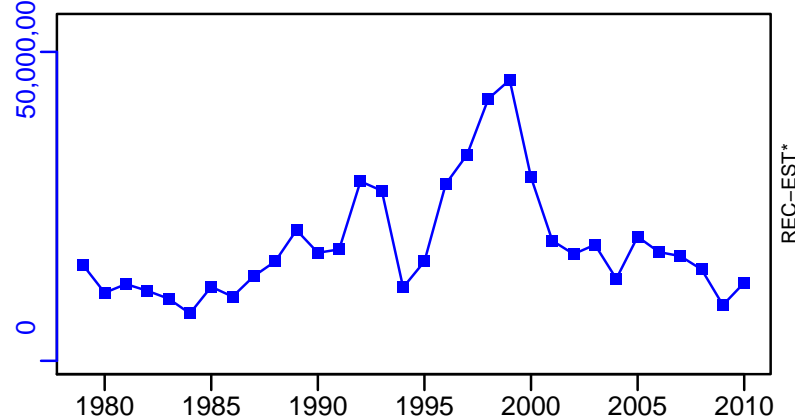
F-1/yr (1979-2010-SISIMP2016)



ER-calc-ratio (1979-2010-SISIMP2016)



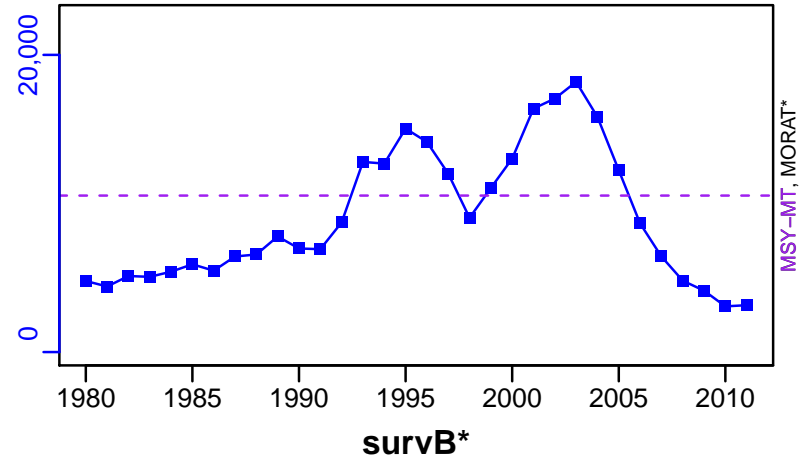
R-E00 (1979-2010-SISIMP2016)



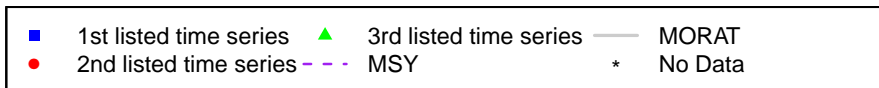
Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]

TC-MT, TL*, RecC* (1979-2010-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]

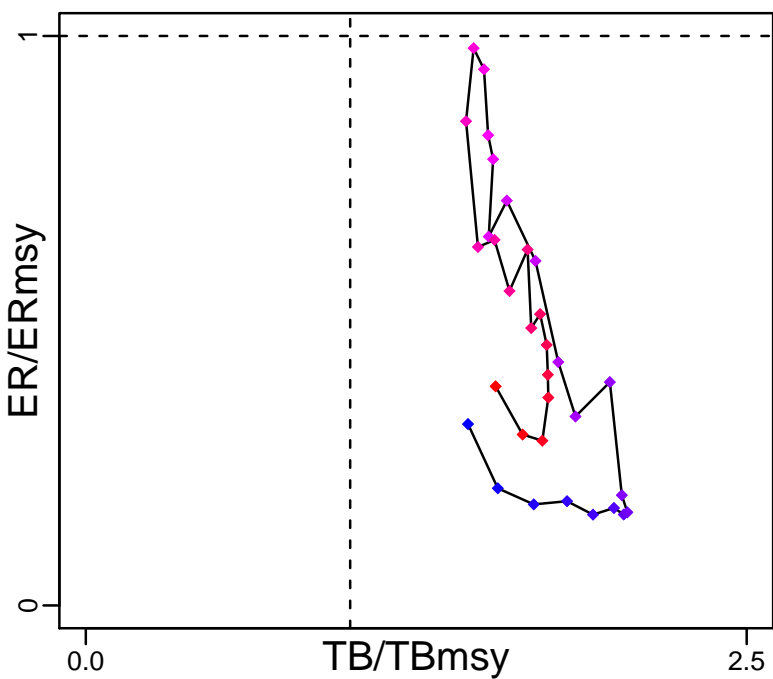
Metadata	
Scientific Name	Lophius americanus
Current Assess ID	NEFSC-MONKSGBMATL-1979-2010-SISIMP2016
Area	Southern Georges Bank / Mid-Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2010, 2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2010	71,667
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2010	0.37
ERmsy	ERmsy-calc-ratio	2010	0.2
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2010	14,328
M	M-1/yr	2009	0.3
TBlim	TBlim-MT	2010	35,834
SSBlim	-	-	-
Flim	Flim-1/yr	2010	0.37
ERlim	-	-	-

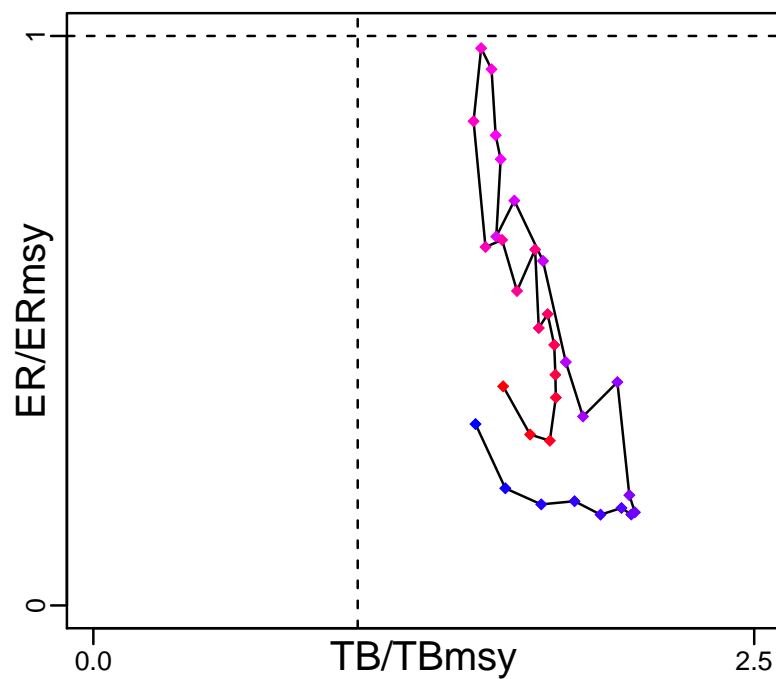
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2010	111,000	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-E00	2010	23,300,000	-	1
F	F-1/yr	2010	0	-	-
ER	ER-calc-ratio	2010	0	-	-
TC	TC-MT	2010	8550		
TL	TL-MT	2009	5300		
TB/TBmsy	TB-MT/TBmsy-MT	2010	1.55		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2010	0.3		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2010	0.38		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]

Kobe MSY_{pref} (1979–2010–SISIMP2016)



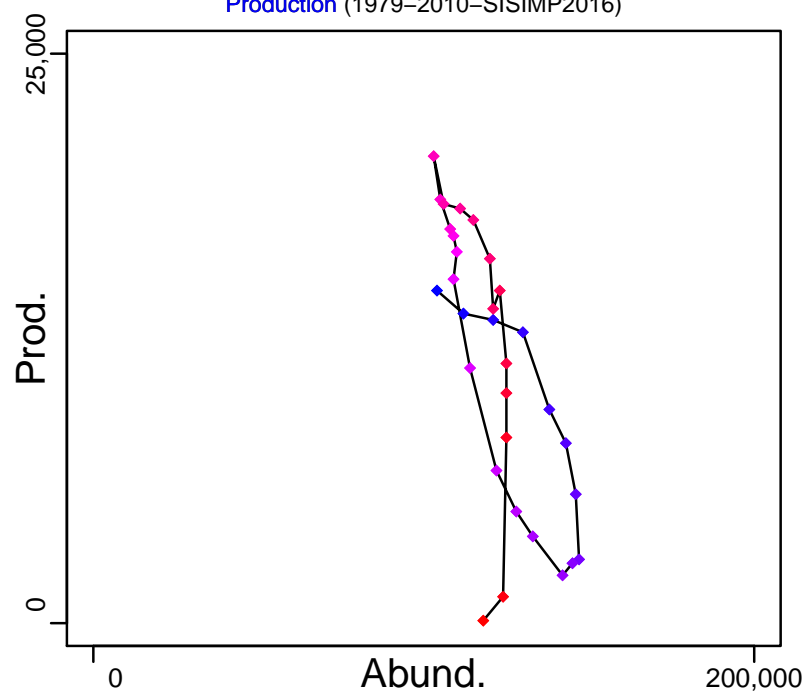
Kobe MGT_{pref} (1979–2010–SISIMP2016)



Spawner Recruit*



Production (1979–2010–SISIMP2016)

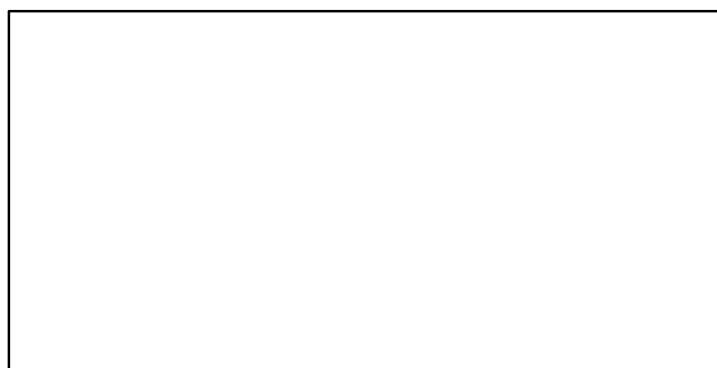
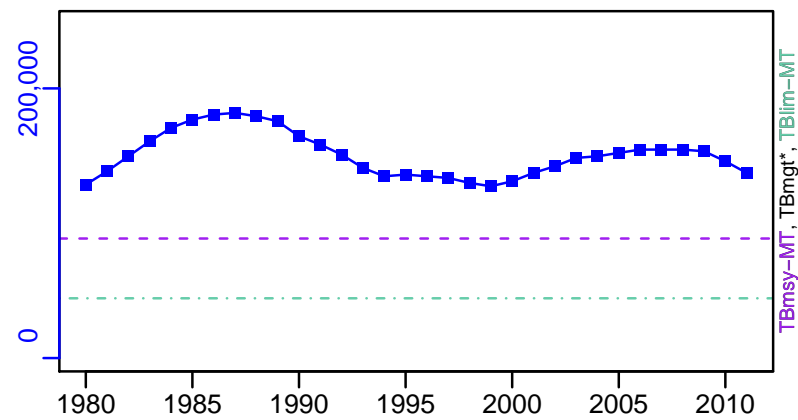


◆ Start Year ◆ End Year * No Data

Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]

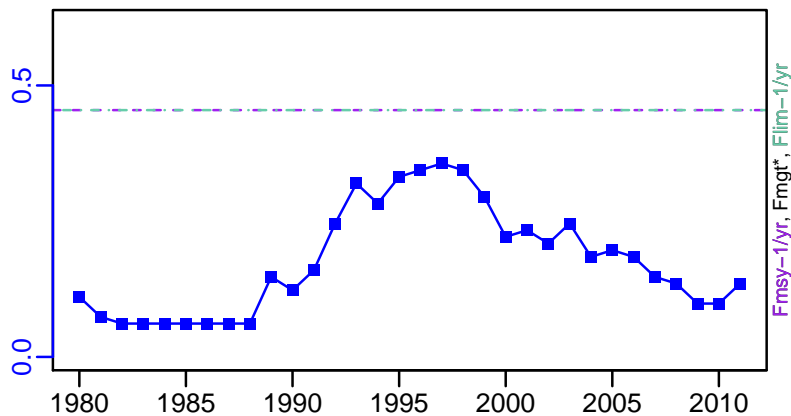
TB-MT (1979–2010–SISIMP2016)

SSB*



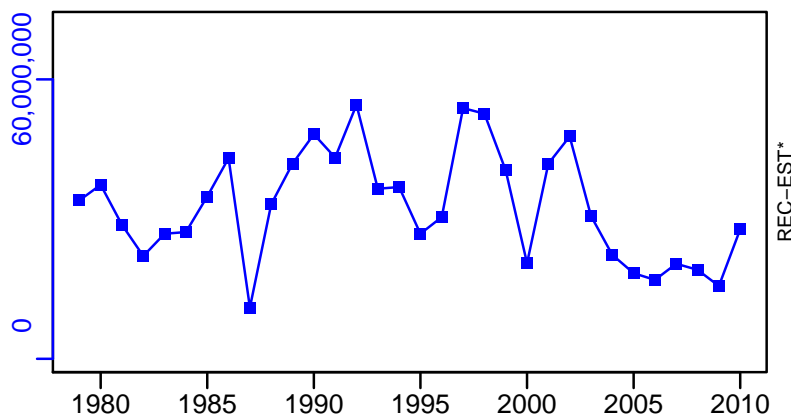
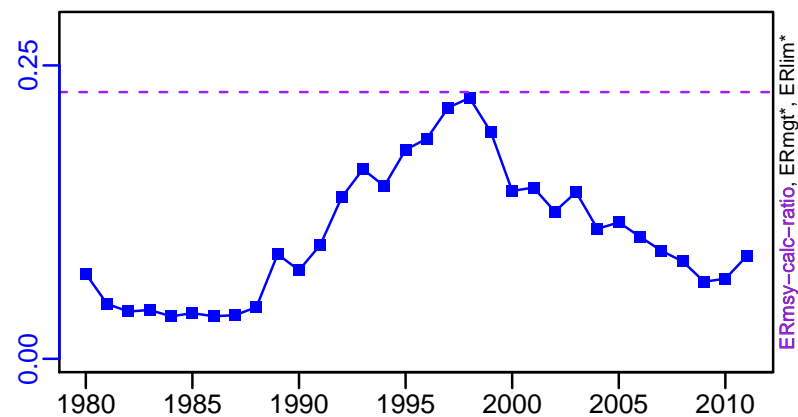
TN *

F-1/yr (1979–2010–SISIMP2016)



ER-calc-ratio (1979–2010–SISIMP2016)

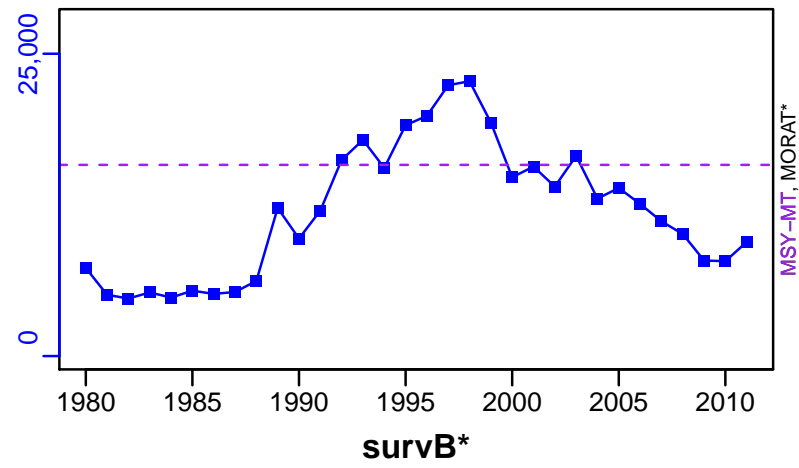
R-E00 (1979–2010–SISIMP2016)



Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]

TC-MT, TL*, RecC* (1979-2010-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Ocean pout Northwestern Atlantic Coast [OPOUTNWATLC]

Metadata	
Scientific Name	Zoarces americanus
Current Assess ID	NEFSC-OPOUTNWATLC-1968-2014-SISIMP2016
Area	Northwestern Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2008, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-kgpertow	2008	5
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2008	0.76
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	3754
M	M-1/yr	2008	0.2
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2008	0	-	-
TC	TC-MT	2014	78		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/Fmsy-1/yr	2008	0.7		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Ocean pout Northwestern Atlantic Coast [OPOUTNWATLC]

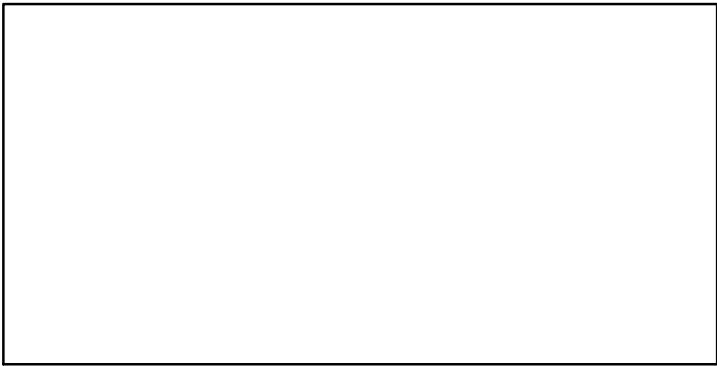
TB*



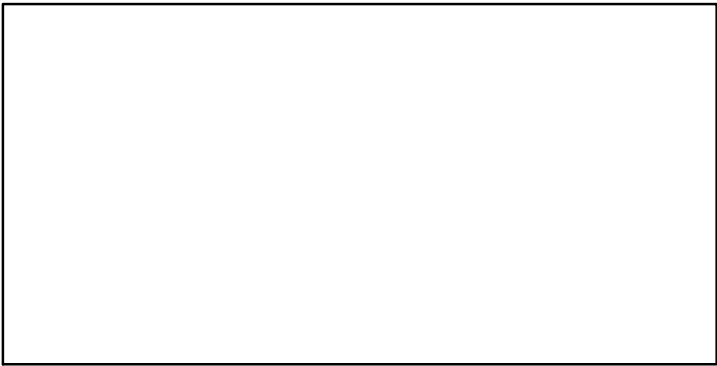
SSB*



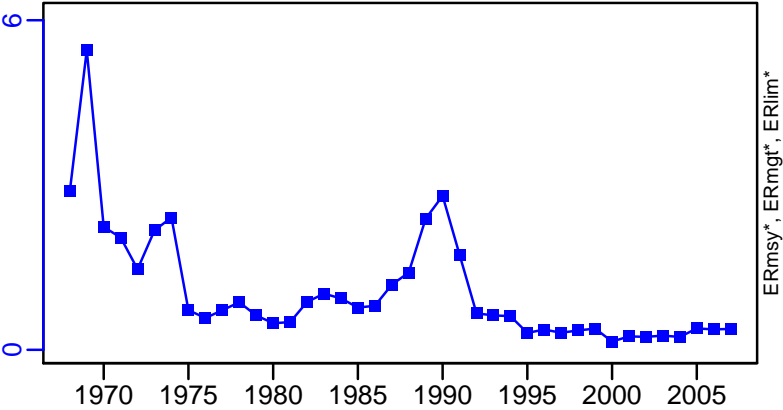
TN *



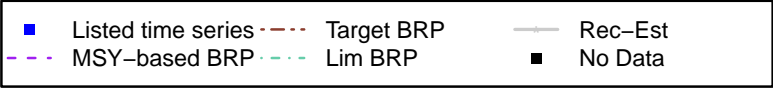
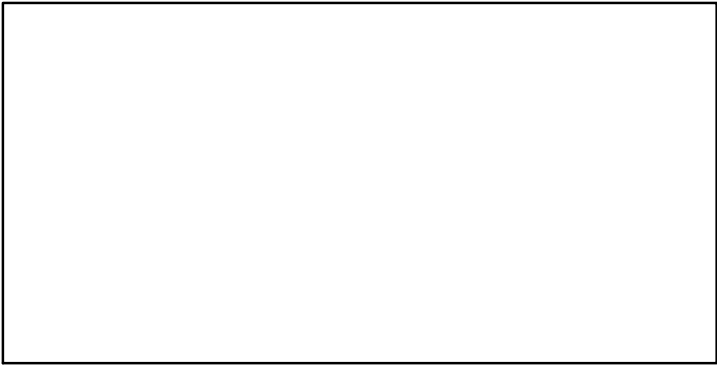
F*



ER-ratio (1962–2008–WIGLEY)



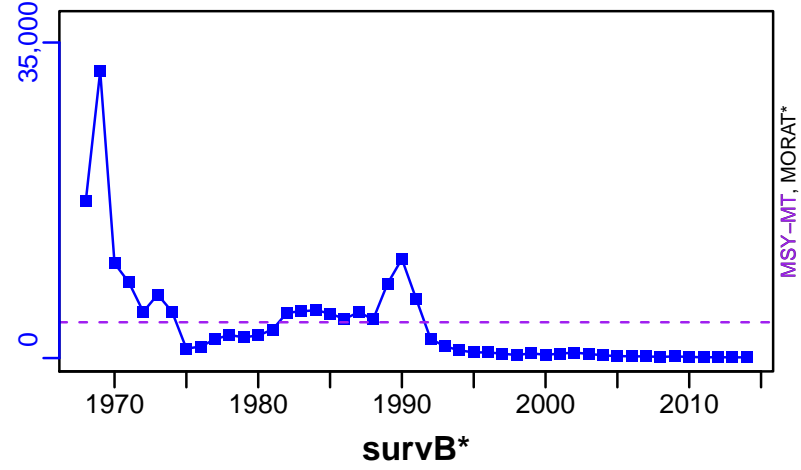
Recruits*



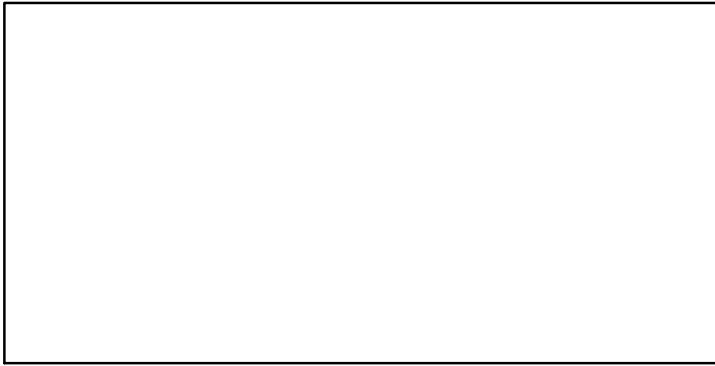
Ocean pout Northwestern Atlantic Coast [OPOUTNWATLC]

TC-MT, TL*, RecC* (1968-2014-SISIMP2016)

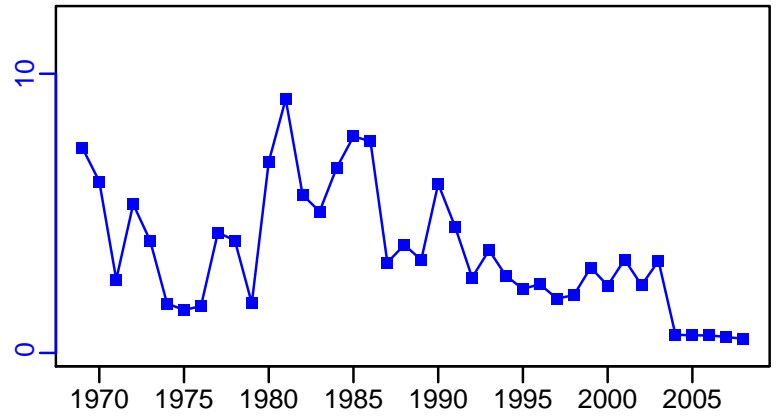
TAC*, Cpair*, Cadv*



EFFORT*



CPUE-kgpertow (1962-2008-WIGLEY)



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

Northern shrimp Gulf of Maine [PANDALGOM]

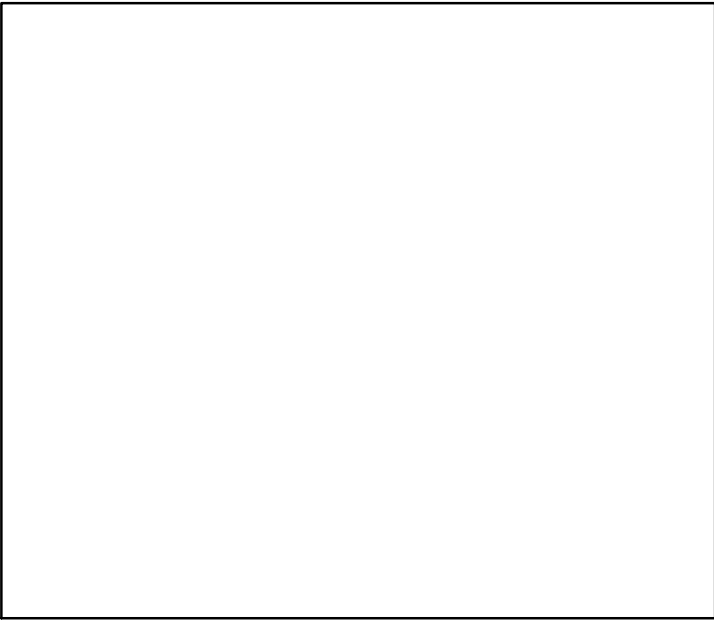
Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	ASMFC-PANDALGOM-1960-2009-IDOINE
Area	Gulf of Maine
Management Authority	National Marine Fisheries Service, US national management
Assessor	Atlantic States Marine Fisheries Commission
Asmts in RAM	2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2009	0.25
TBlim	TBlim-MT	2009	1540
SSBlim	-	-	-
Flim	Flim-1/yr	2009	0.6
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2009	27,900	-	1.5+
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2009	0	Both	1.5 to 6
ER	ER-ratio	2009	0	-	-
TC	-	-	-		
TL	TL-MT	2009	4780		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Northern shrimp Gulf of Maine [PANDALGOM]

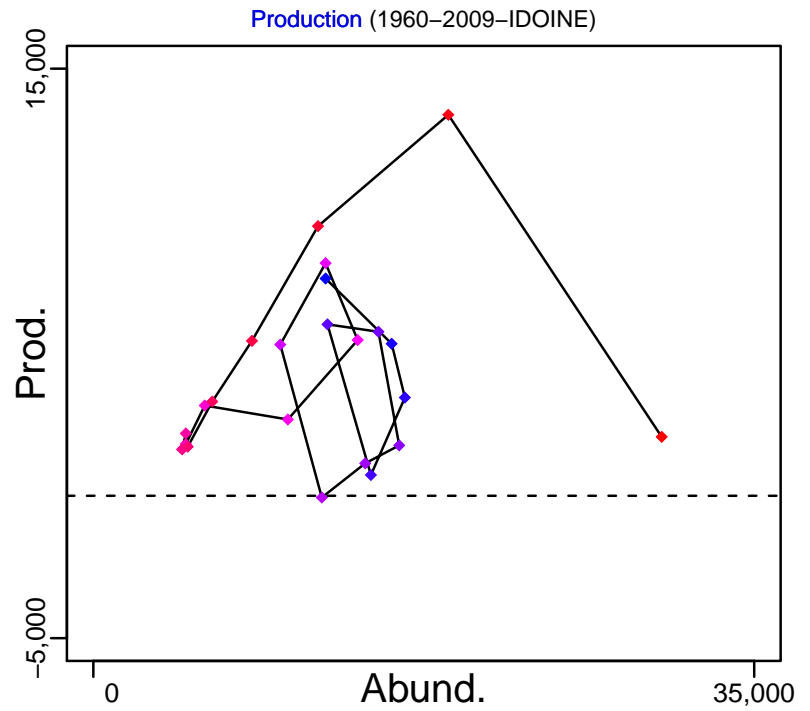
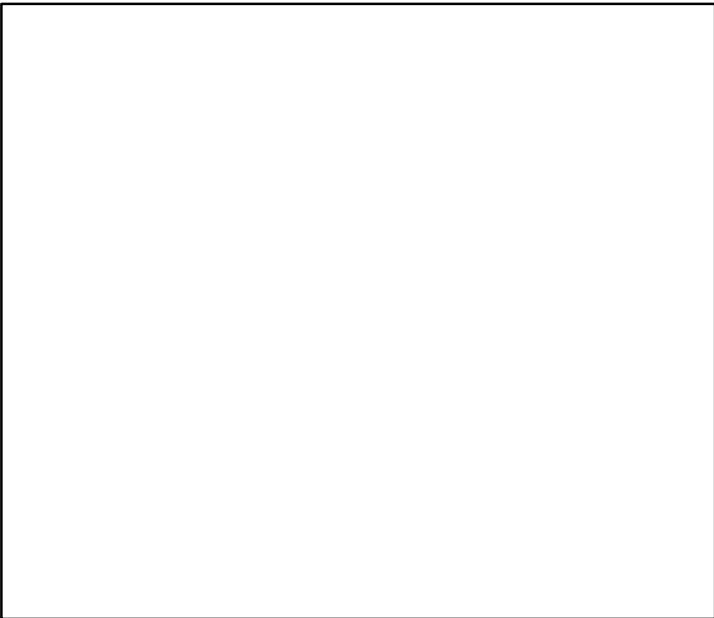
Kobe MSY*



Kobe MGT*



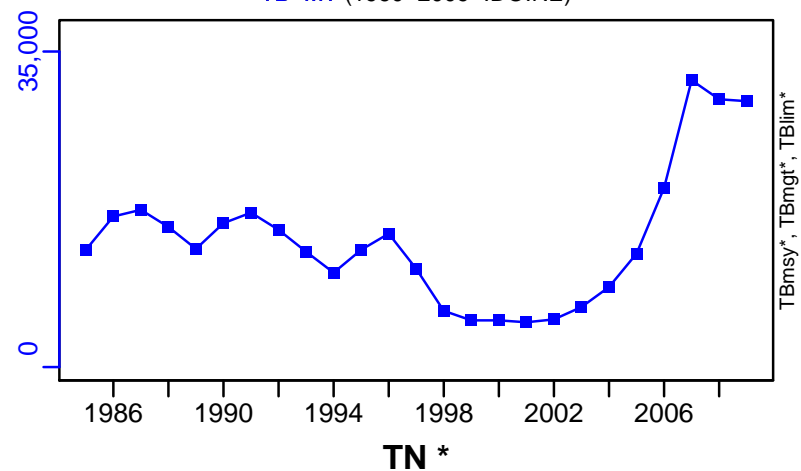
Spawner Recruit*



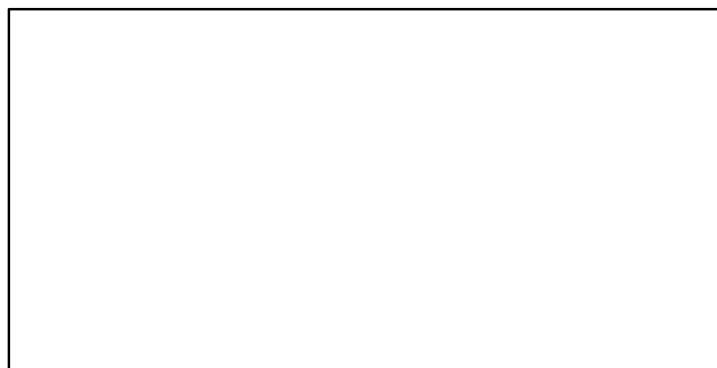
◆ Start Year ◆ End Year * No Data

Northern shrimp Gulf of Maine [PANDALGOM]

TB-MT (1960-2009-IDOINE)



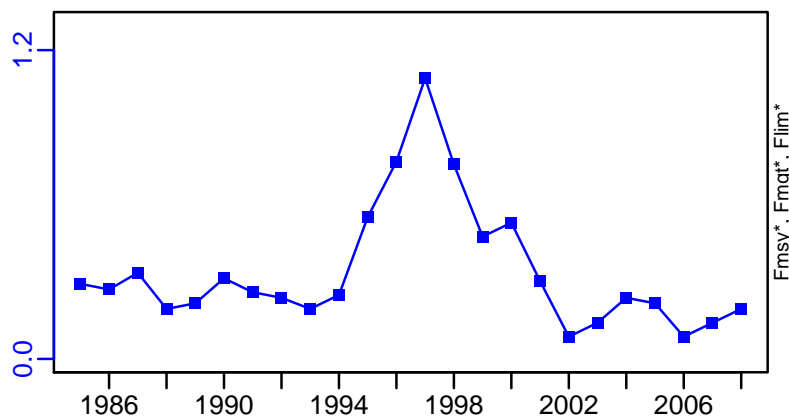
SSB*



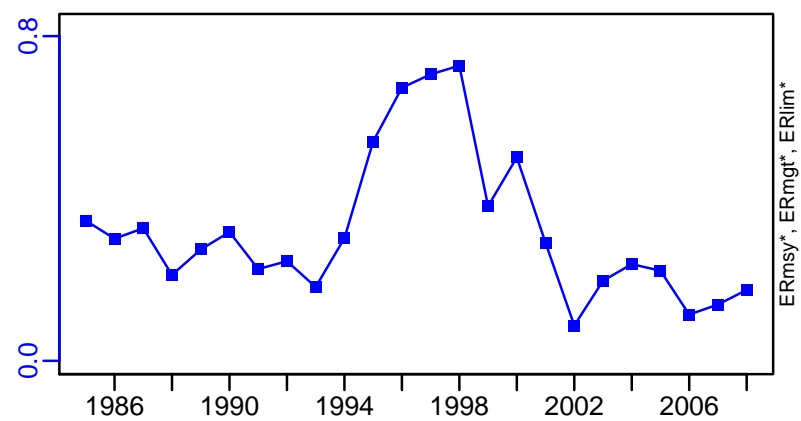
TN *



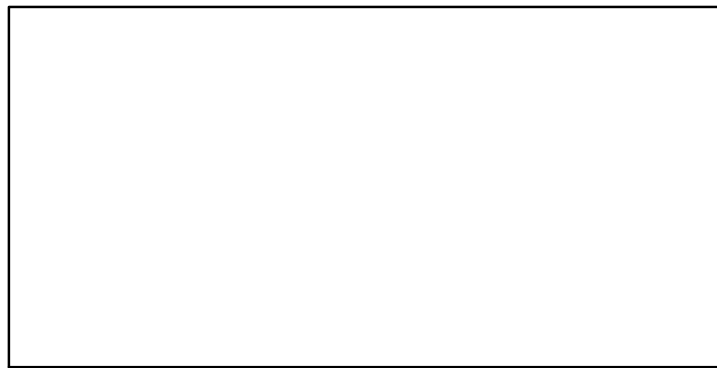
F-1/yr (1960-2009-IDOINE)



ER-ratio (1960-2009-IDOINE)



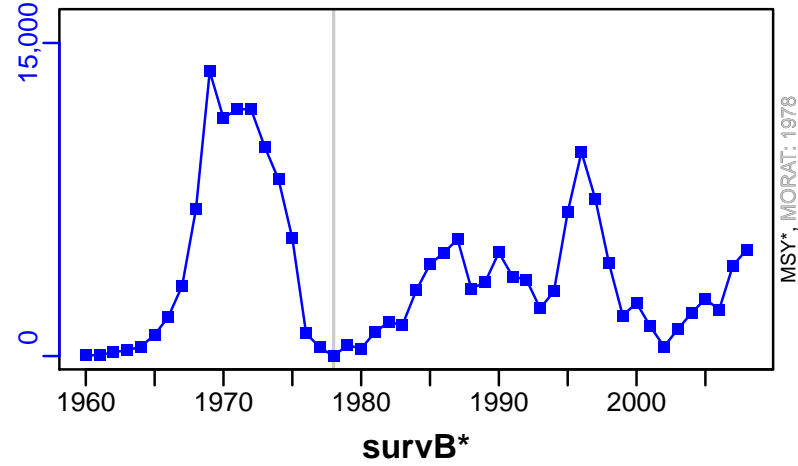
Recruits*



Northern shrimp Gulf of Maine [PANDALGOM]

TL-MT, TC*, RecC* (1960–2009–IDOINE)

TAC*, Cpair*, Cadv*



EFFORT*



Pollock NAFO-5YZ [POLL5YZ]

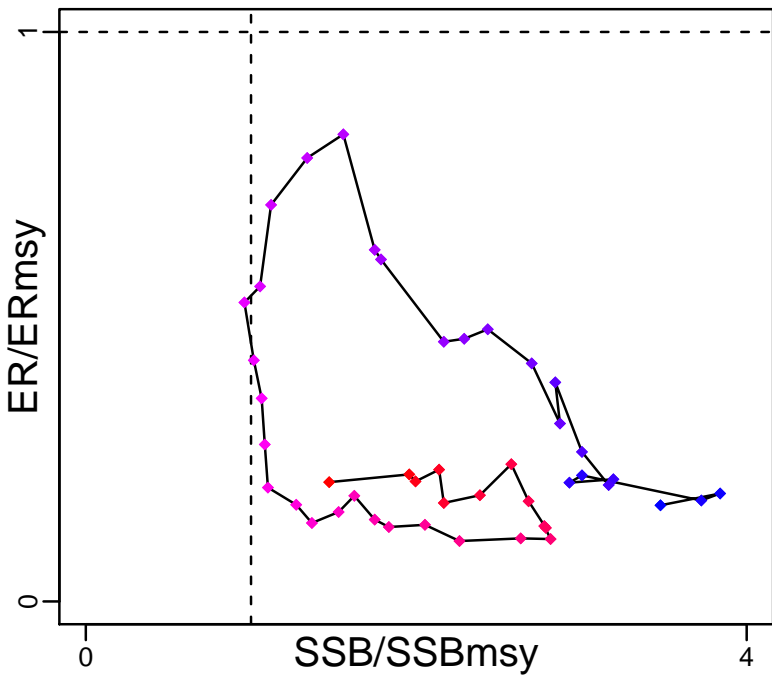
Metadata	
Scientific Name	Pollachius virens
Current Assess ID	NEFSC-POLL5YZ-1970-2014-SISIMP2016
Area	Gulf of Maine / Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2009, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	105,226
Fmsy	Fmsy-1/yr	2014	0.28
ERmsy	ERmsy-conv-ratio	2014	0.07
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	19,678
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	52,613
Flim	Flim-1/yr	2014	0.28
ERlim	-	-	-

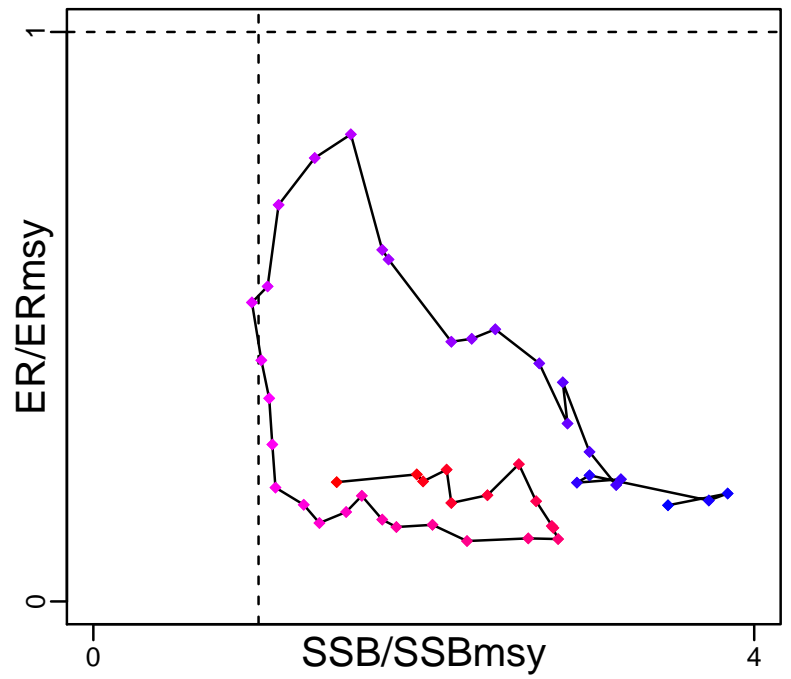
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2009	210,000	-	-
SSB	SSB-MT	2014	155,000	Both	-
TN	-	-	-	-	-
R	R-E00	2014	6×10^7	-	1
F	F-1/yr	2014	0	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	6070		
TL	TL-MT	2009	7950		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	1.47		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.25		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.21		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Pollock NAFO-5YZ [POLL5YZ]

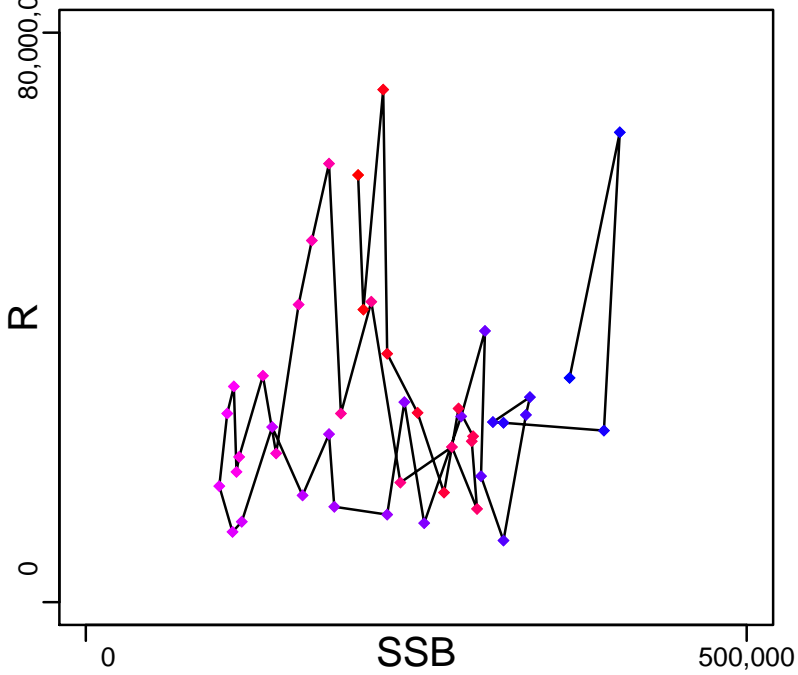
Kobe MSY_{pref} (1970–2014–SISIMP2016)



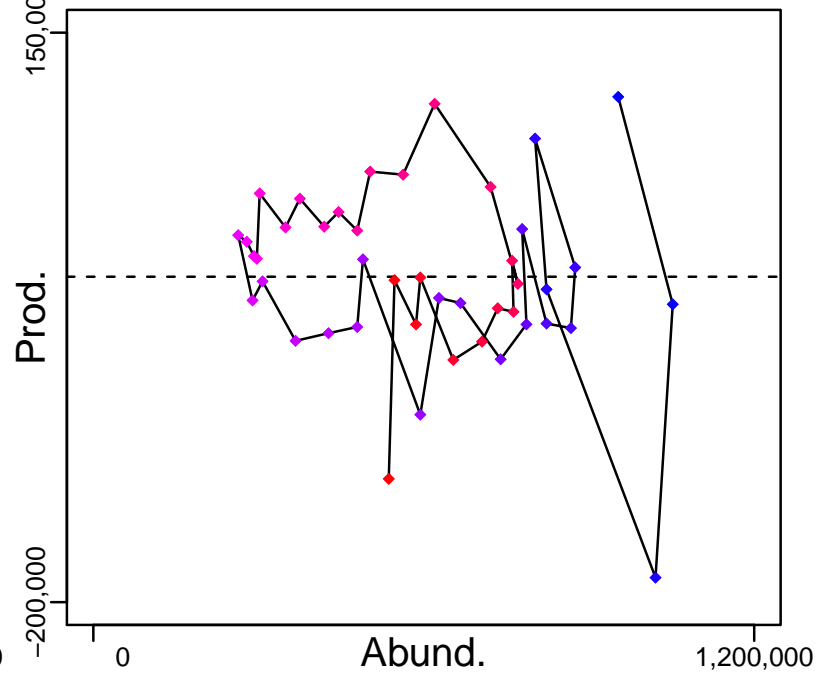
Kobe MGT_{pref} (1970–2014–SISIMP2016)



Spawner Recruit (1970–2014–SISIMP2016)



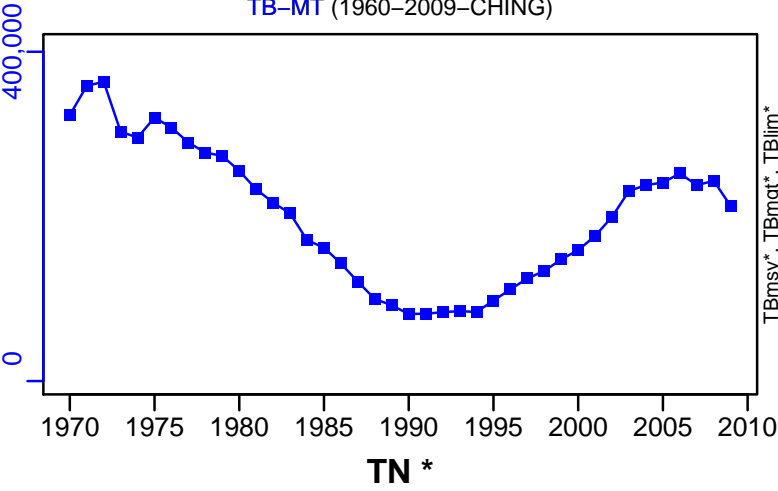
Production (1970–2014–SISIMP2016)



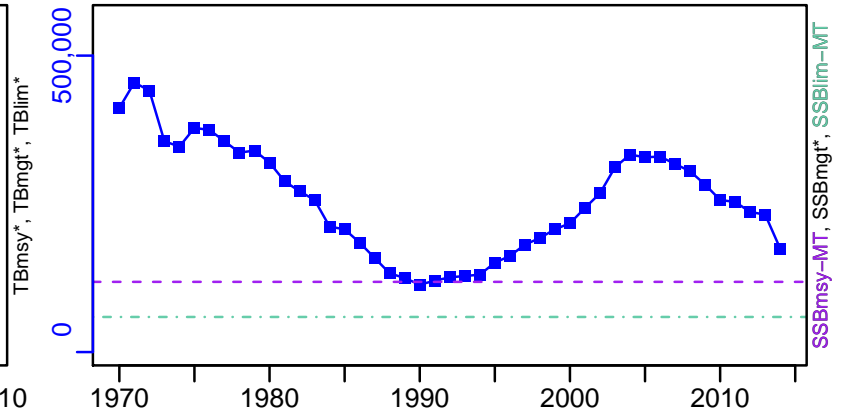
◆ Start Year ◆ End Year * No Data

Pollock NAFO-5YZ [POLL5YZ]

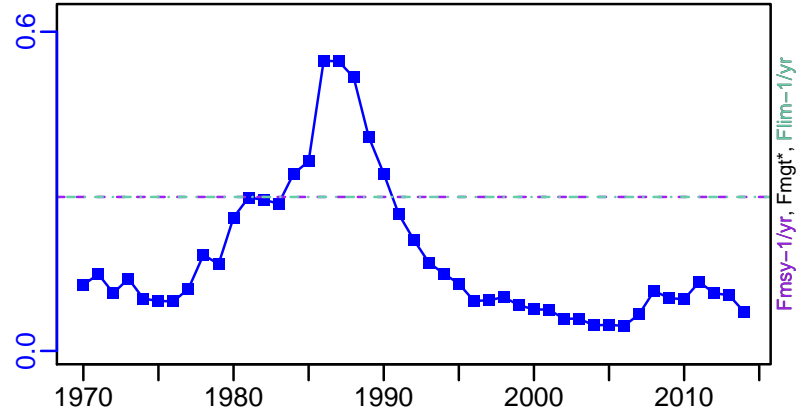
TB-MT (1960-2009-CHING)



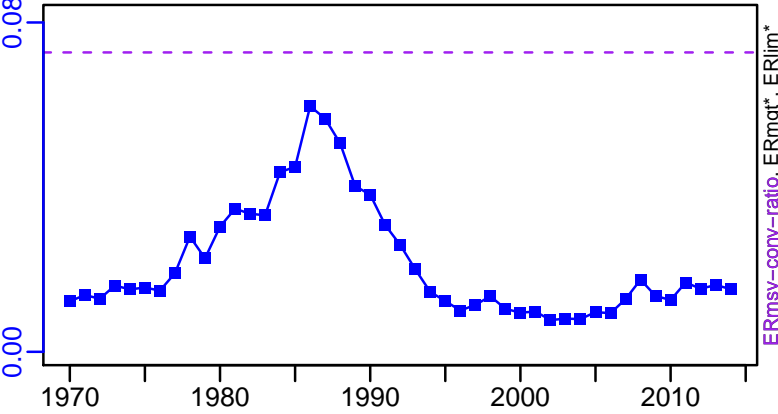
SSB-MT (1970-2014-SISIMP2016)



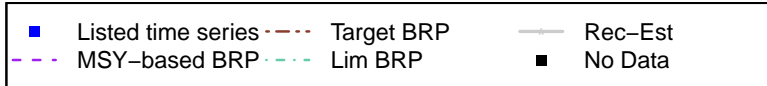
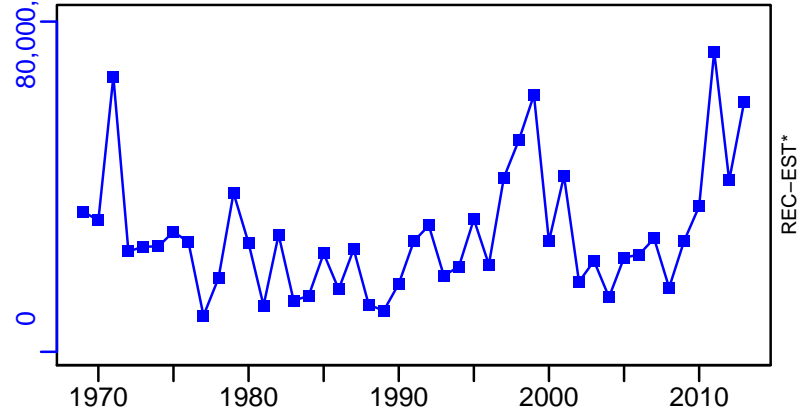
F-1/yr (1970-2014-SISIMP2016)



ER-calc-ratio (1970-2014-SISIMP2016)

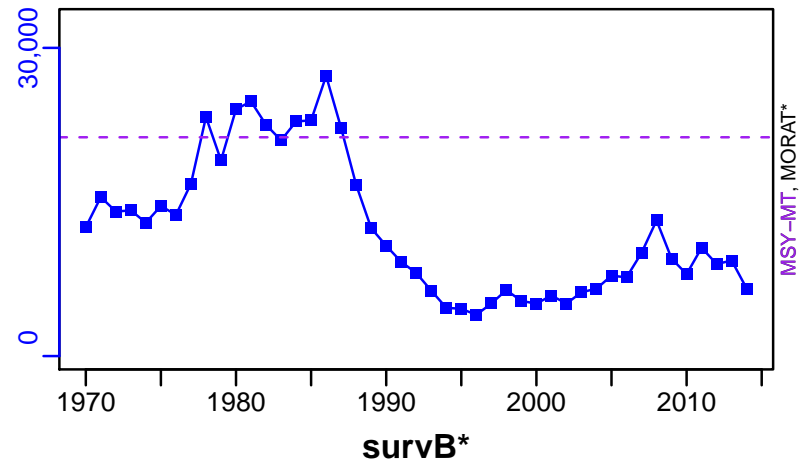


R-E00 (1970-2014-SISIMP2016)



Pollock NAFO-5YZ [POLL5YZ]

TC-MT, TL*, RecC* (1970-2014-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Ocean quahog Atlantic Coast [QUAHATLC]

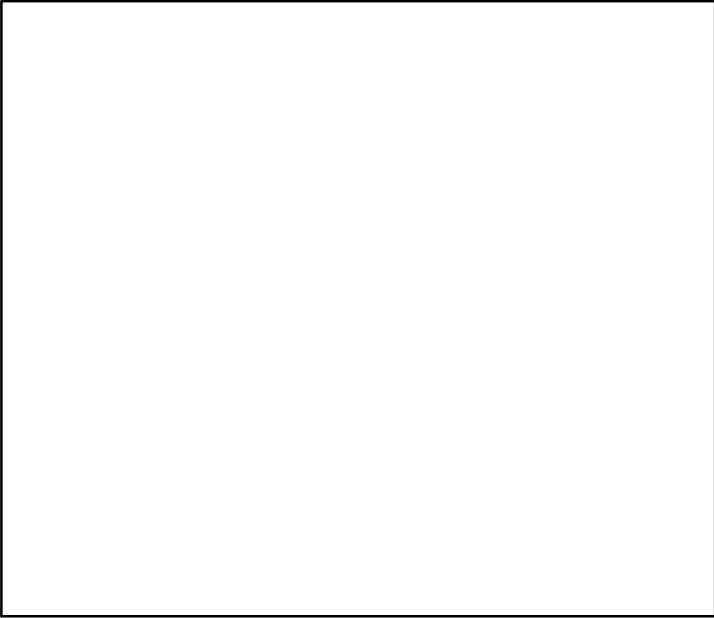
Metadata	
Scientific Name	Arctica islandica
Current Assess ID	NEFSC-QUAHATLC-1978-2011-SISIMP2016
Area	Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2008, 2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2011	1,730,000
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2008	0.02
TBlim	TBlim-MT	2011	1,390,000
SSBlim	-	-	-
Flim	Flim-1/yr	2011	0.02
ERlim	-	-	-

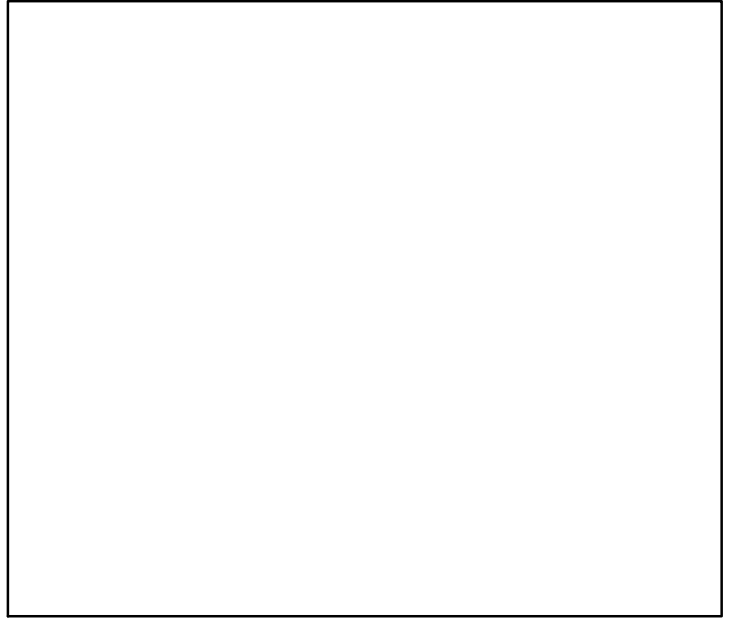
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	2,960,000	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2011	0	-	-
ER	ER-calc-ratio	2011	0	-	-
TC	TC-MT	2011	14,100		
TL	TL-MT	2008	15,500		
TB/TBmsy	TB-MT/TBmsy-MT	2011	1.71		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Ocean quahog Atlantic Coast [QUAHATLC]

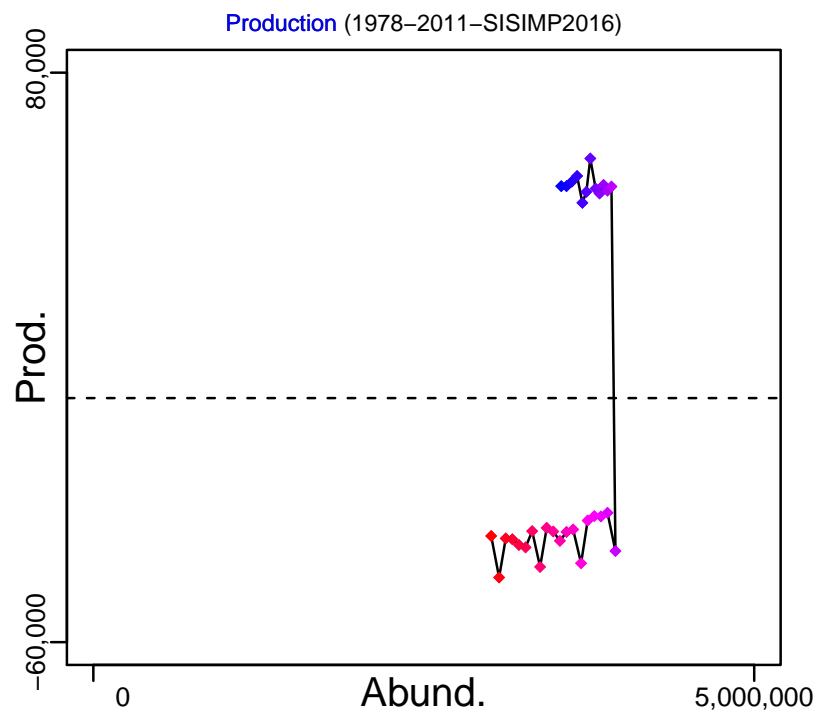
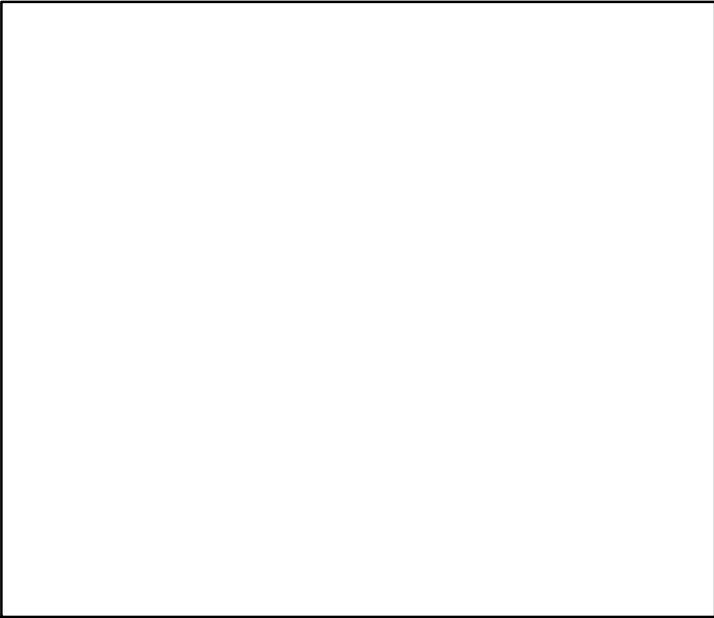
Kobe MSY*



Kobe MGT*



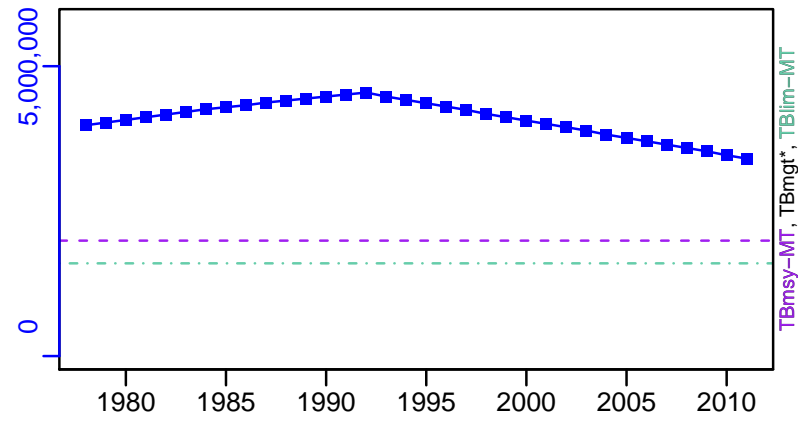
Spawner Recruit*



◆ Start Year ◆ End Year * No Data

Ocean quahog Atlantic Coast [QUAHATLC]

TB-MT (1978–2011–SISIMP2016)



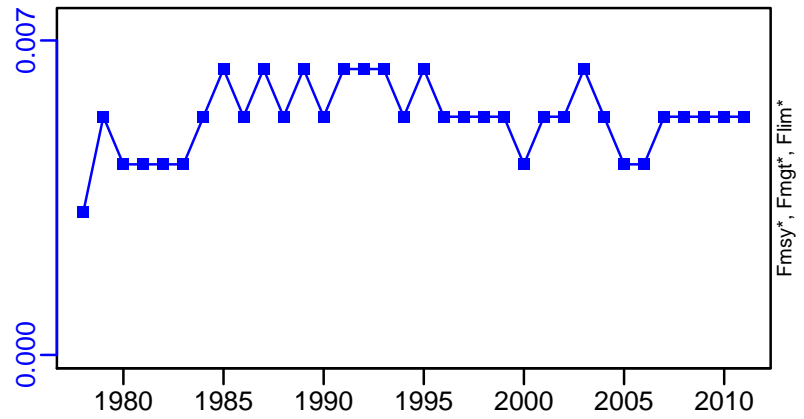
SSB*



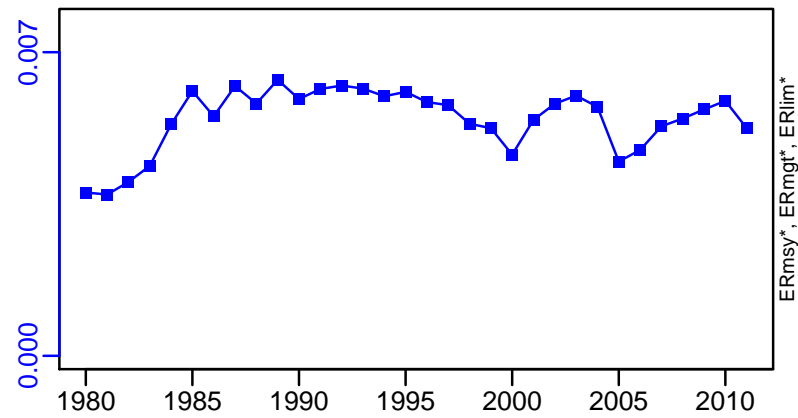
TN *



F-1/yr (1978–2011–SISIMP2016)



ER-calc-ratio (1978–2011–SISIMP2016)



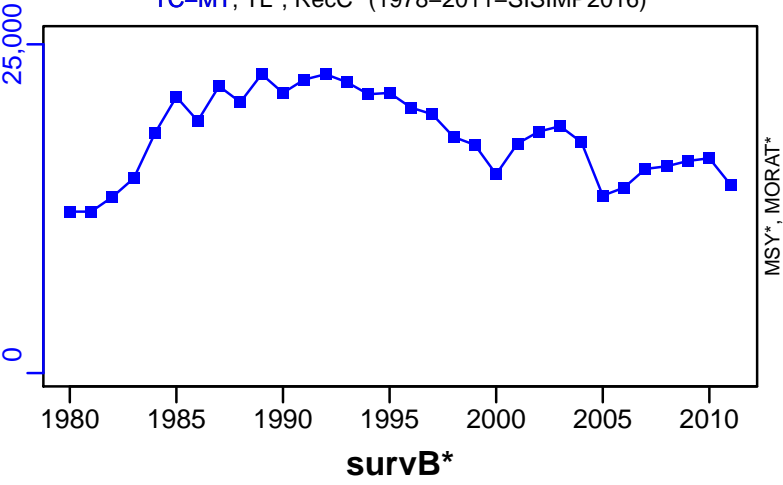
Recruits*



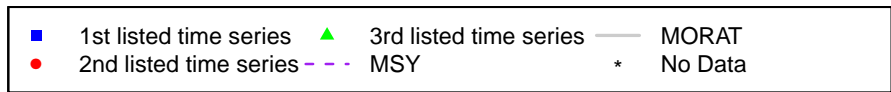
Ocean quahog Atlantic Coast [QUAHATLC]

TC-MT, TL*, RecC* (1978-2011-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Red deepsea crab Northwestern Atlantic [RDEEPCRABNWATL]

Metadata	
Scientific Name	Chaceon quinqueus
Current Assess ID	NEFSC-RDEEPCRABNWATL-1982-2008-CHUTE
Area	Northwestern Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2008

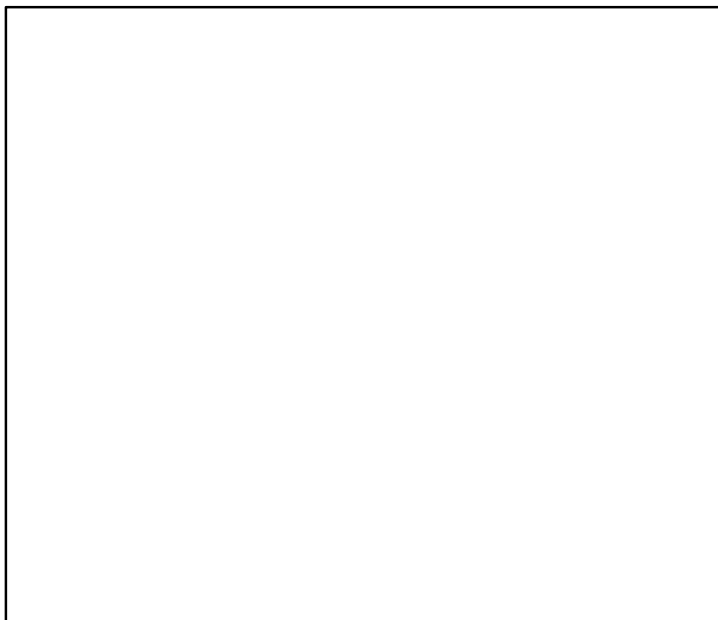
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2008	1260		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

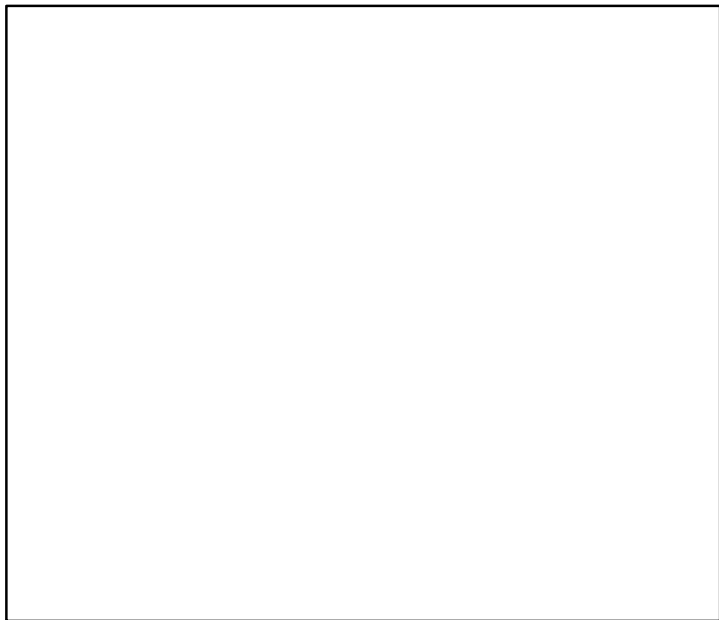
Kobe MSY*



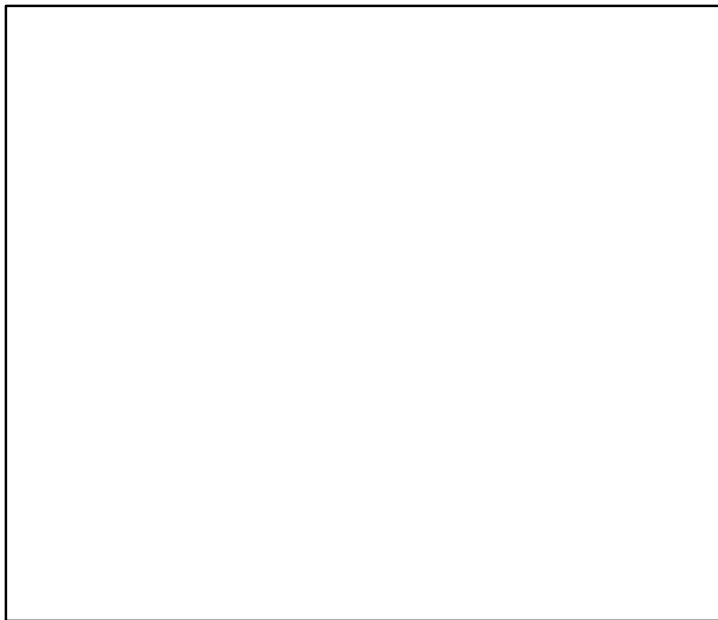
Kobe MGT*



Spawner Recruit*



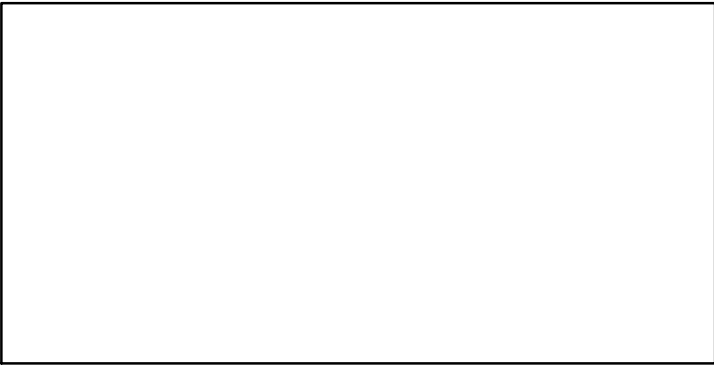
Production*



◆ Start Year ◆ End Year * No Data

Red deepsea crab Northwestern Atlantic [RDEEPCRABNWATL]

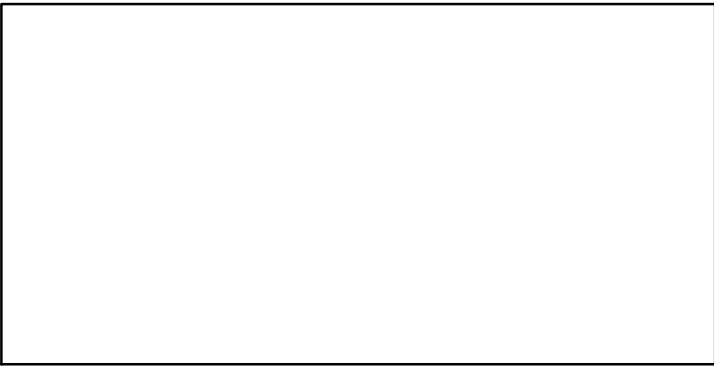
TB*



SSB*



TN *



F*



ER*



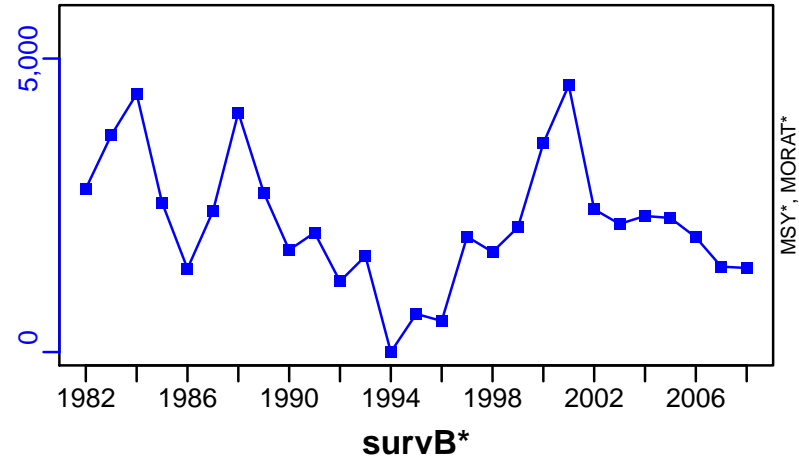
Recruits*



Red deepsea crab Northwestern Atlantic [RDEEPCRABNWATL]

TL-MT, TC*, RecC* (1982-2008-CHUTE)

TAC*, Cpair*, Cadv*



EFFORT*



Red hake Gulf of Maine / Northern Georges Bank [RHAKEGOMNGB]

Metadata	
Scientific Name	Urophycis chuss
Current Assess ID	NEFSC-RHAKEGOMNGB-1980-2014-SISIMP2016
Area	Gulf of Maine / Northern Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2014

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	2014	266		
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

Red hake Gulf of Maine / Northern Georges Bank [RHAKEGOMNGB]

TB*



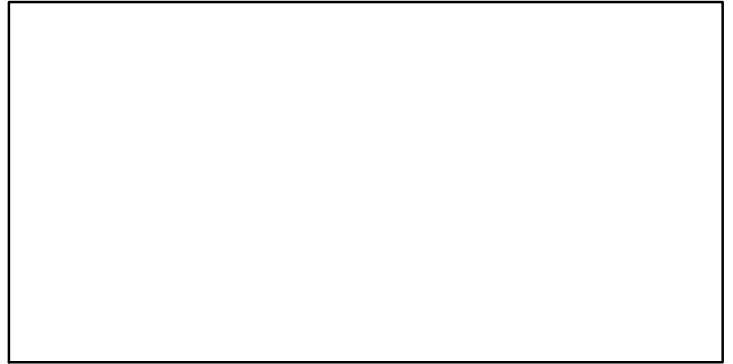
SSB*



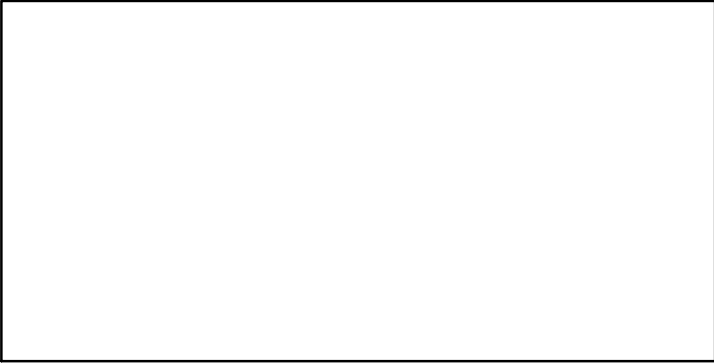
TN *



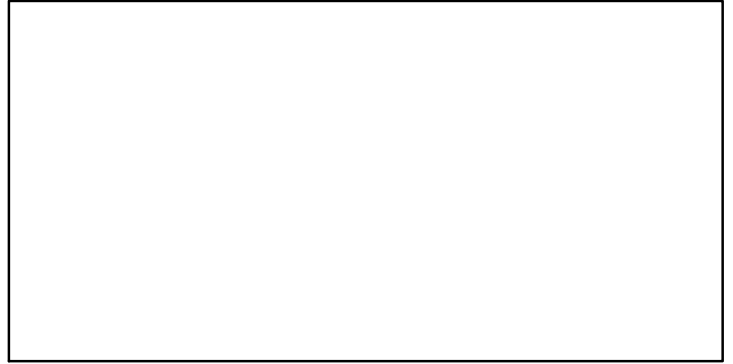
F*



ER*



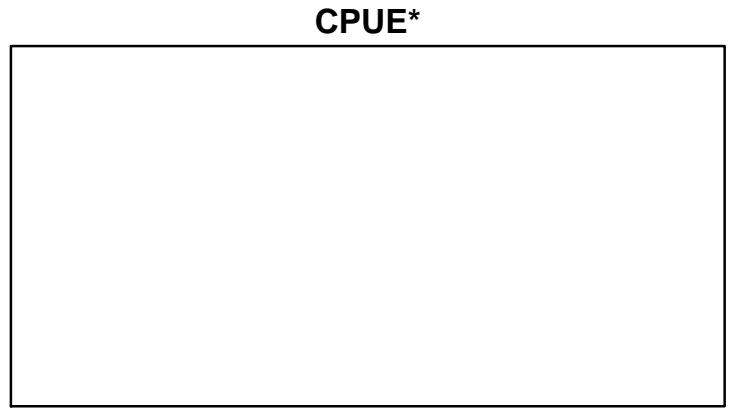
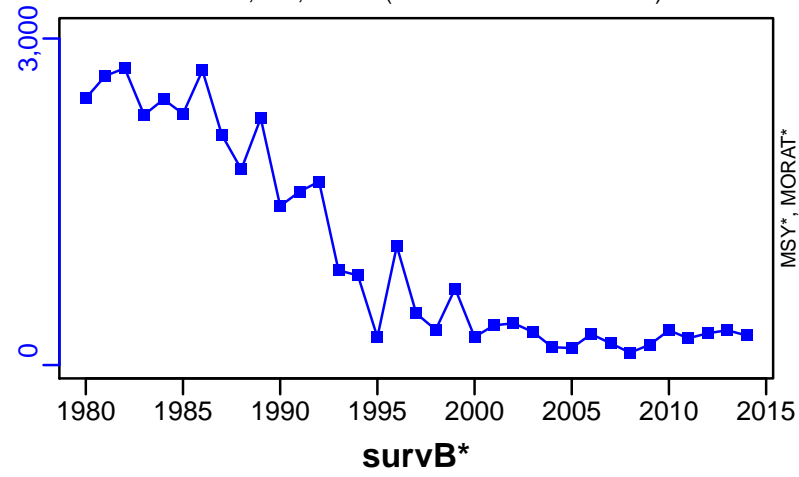
Recruits*



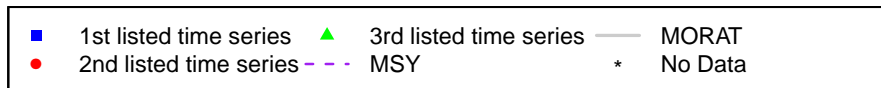
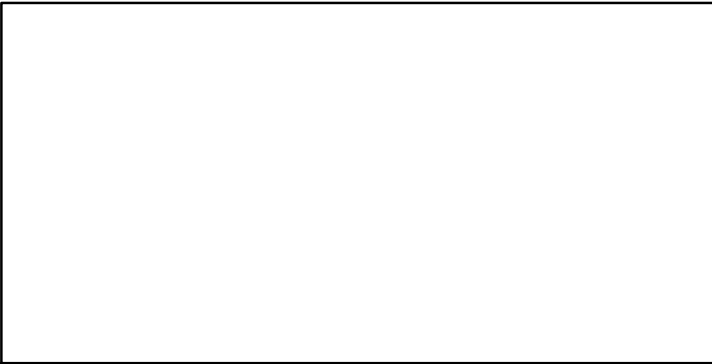
Red hake Gulf of Maine / Northern Georges Bank [RHAKEGOMNGB]

TC-MT, TL*, RecC* (1980-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Red hake Southern Georges Bank / Mid-Atlantic [RHAKESGBMATL]

Metadata	
Scientific Name	Urophycis chuss
Current Assess ID	NEFSC-RHAKESGBMATL-1980-2014-SISIMP2016
Area	Southern Georges Bank / Mid-Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2014

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	2014	1200		
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*



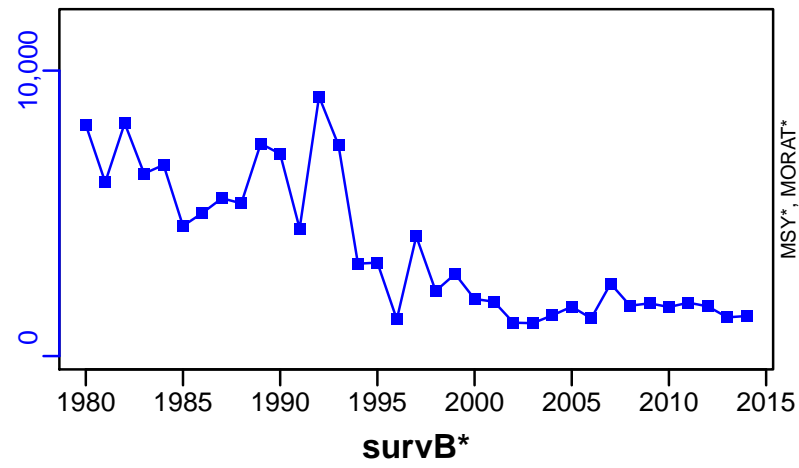
Recruits*



Red hake Southern Georges Bank / Mid-Atlantic [RHAKESGBMATL]

TC-MT, TL*, RecC* (1980-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



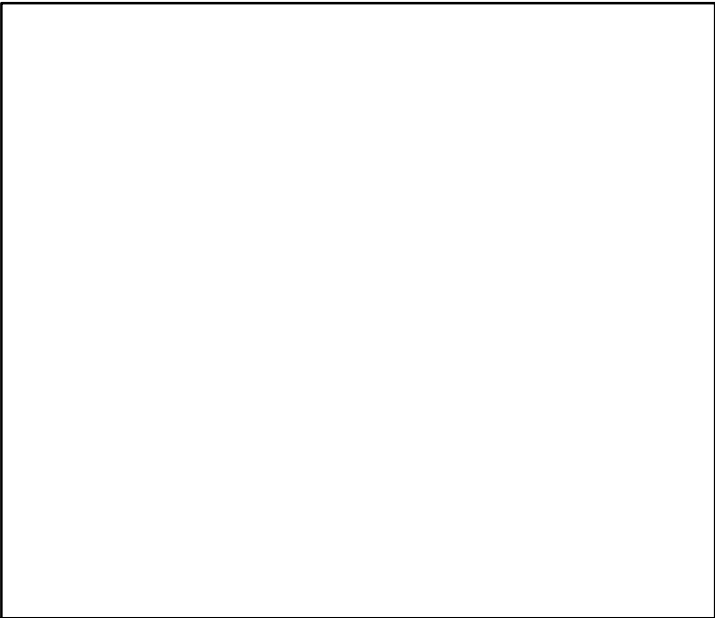
Rosette skate Mid-Atlantic Coast [RSKATMATLC]

Metadata	
Scientific Name	Leucoraja garmani
Current Assess ID	NEFSC-RSKATMATLC-1967-2005-SOSEBEE
Area	Mid-Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2005

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	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

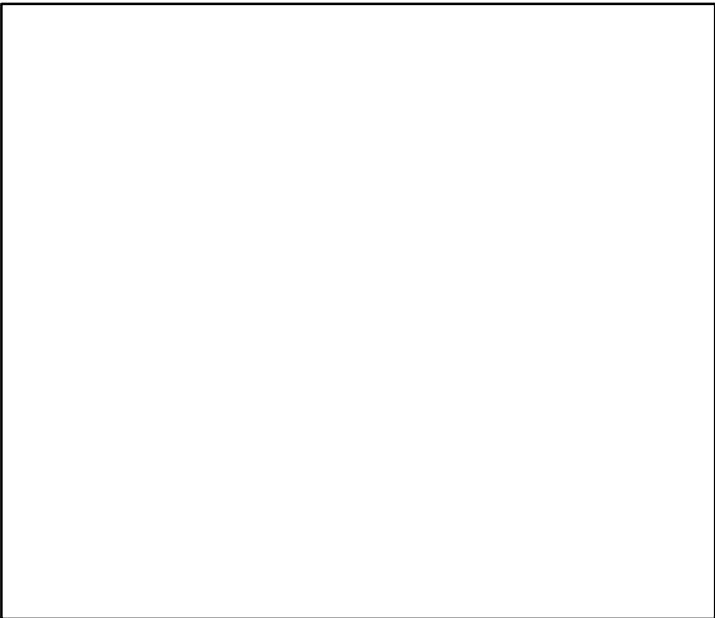
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Rosette skate Mid-Atlantic Coast [RSKATMATLC]

TB*



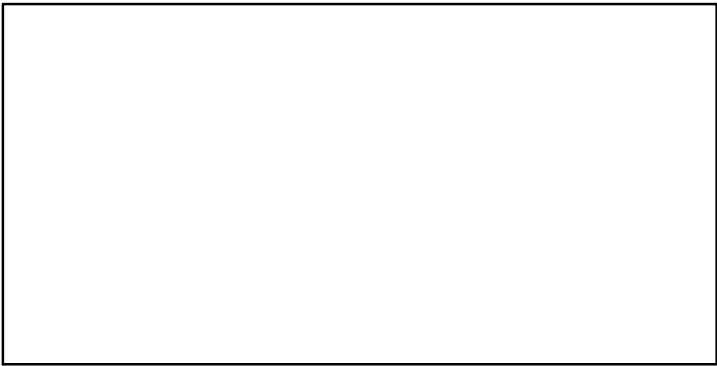
SSB*



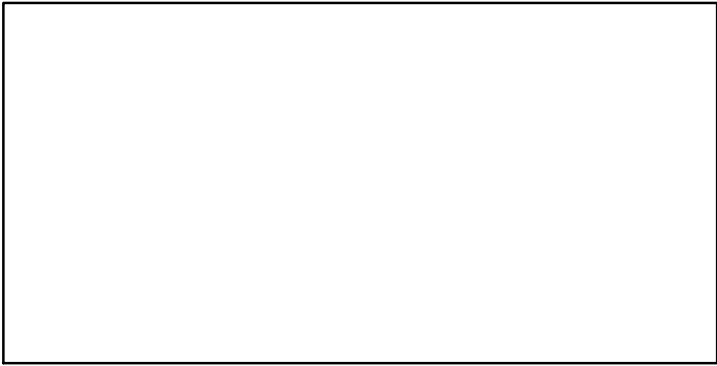
TN *



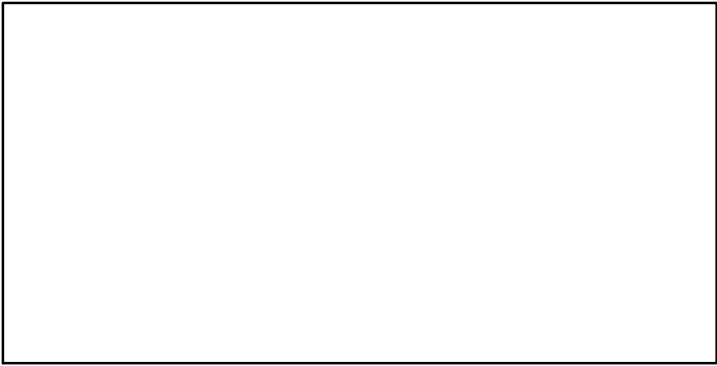
F*



ER*



Recruits*

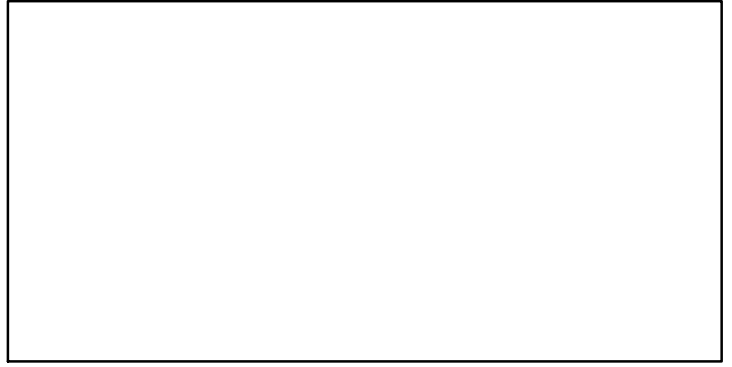


Rosette skate Mid-Atlantic Coast [RSKATMATLC]

TC*, TL*, RecC*



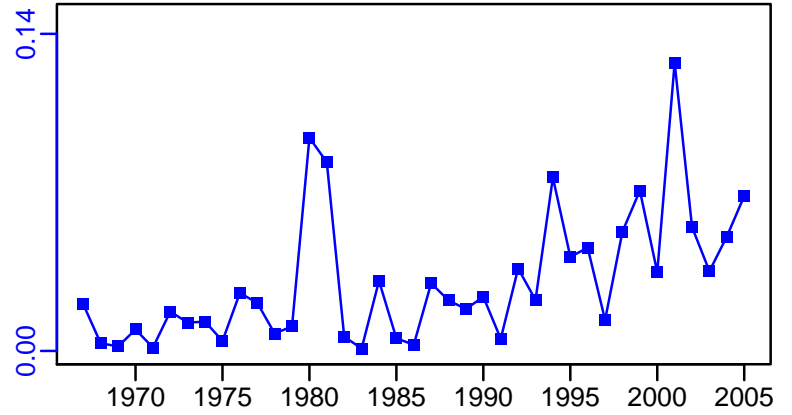
TAC*, Cpair*, Cadv*



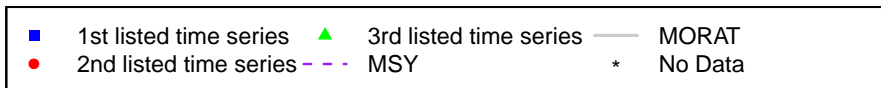
survB*



CPUE-kgpertow (1967-2005-SOSEBEE)



EFFORT*



Sea scallop Georges Bank and Mid-Atlantic Bight [SCALL5ZMAB]

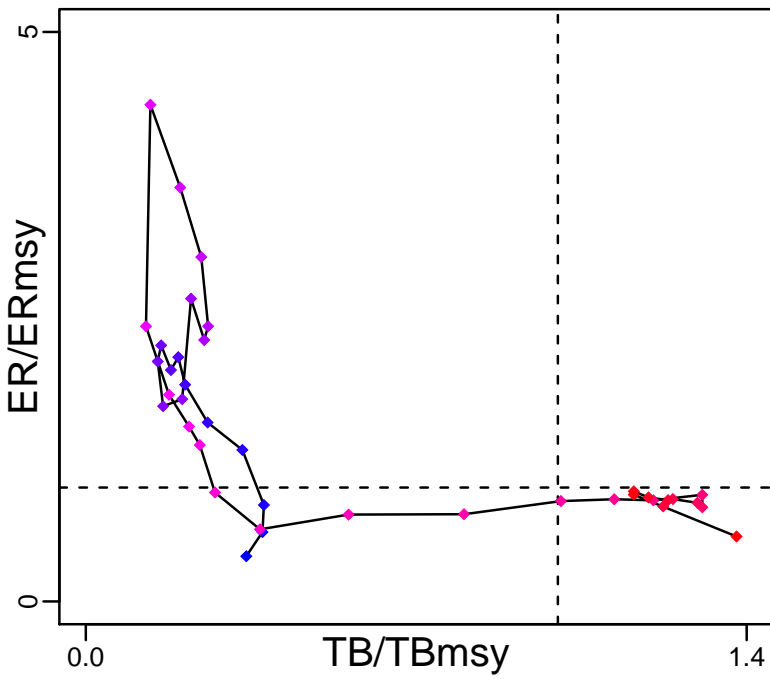
Metadata	
Scientific Name	Placopecten magellanicus
Current Assess ID	NEFSC-SCALL5ZMAB-1964-2013-HIVELY
Area	Georges Bank and Mid-Atlantic Bight
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2013	96,480
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2013	0.48
ERmsy	ERmsy-calc-ratio	2013	0.25
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2013	23,798
M	M-1/yr	2013	0.12
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

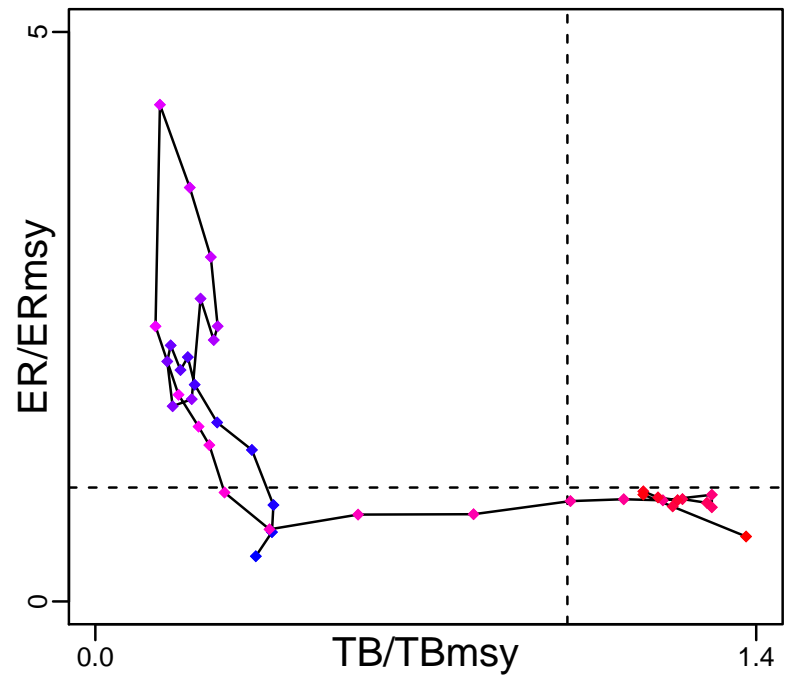
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2013	133,000	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2013	0	-	-
ER	ER-calc-ratio	2013	0	-	-
TC	-	-	-		
TL	TL-MT	2013	18,700		
TB/TBmsy	TB-MT/TBmsy-MT	2013	1.38		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2013	0.67		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2013	0.57		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Sea scallop Georges Bank and Mid-Atlantic Bight [SCALL5ZMAB]

Kobe MSYpref (1964–2013–HIVELY)



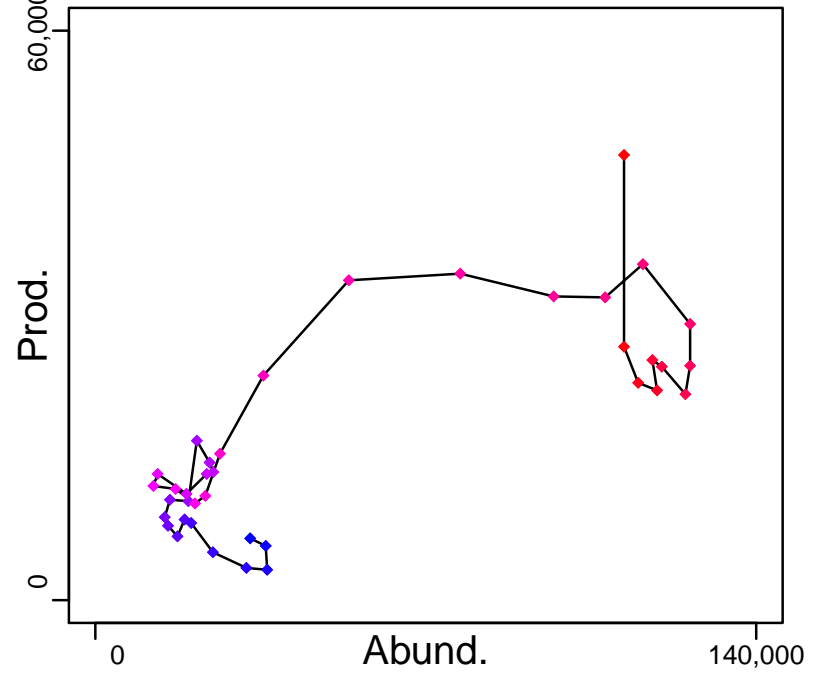
Kobe MGTpref (1964–2013–HIVELY)



Spawner Recruit*

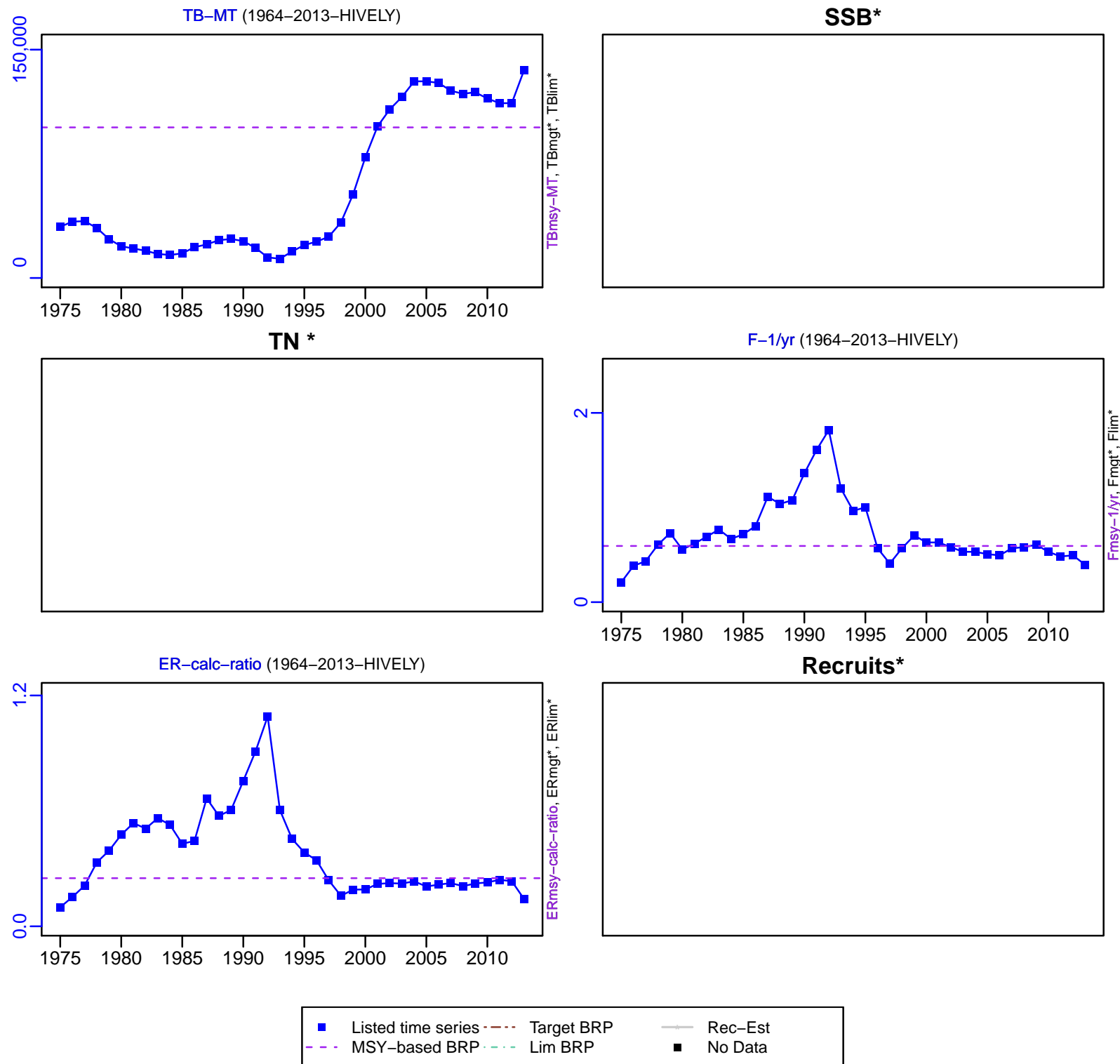


Production (1964–2013–HIVELY)



◆ Start Year ◆ End Year * No Data

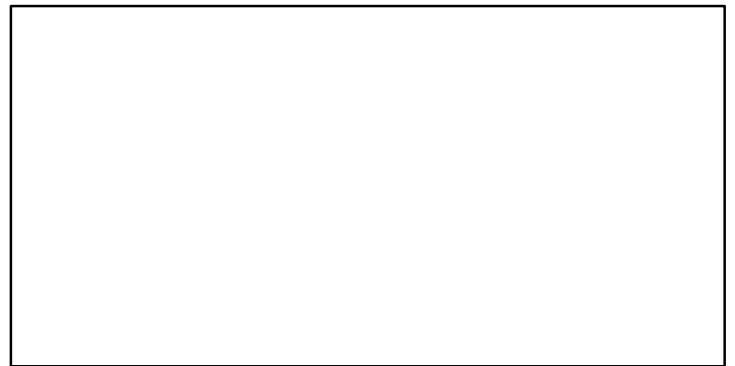
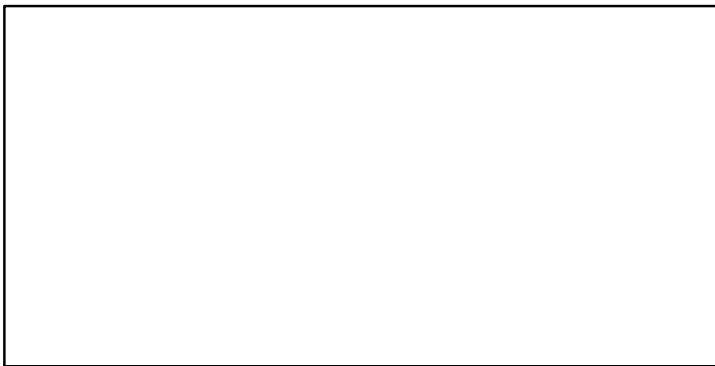
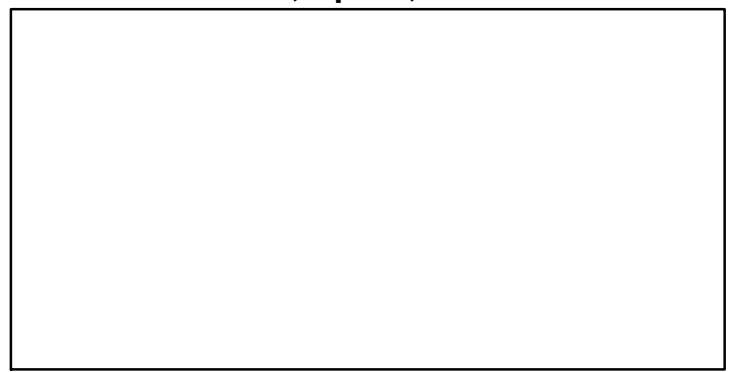
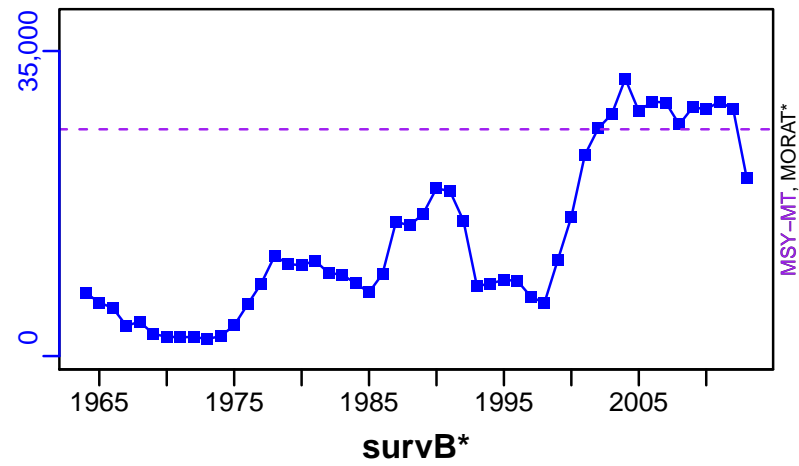
Sea scallop Georges Bank and Mid-Atlantic Bight [SCALL5ZMAB]



Sea scallop Georges Bank and Mid-Atlantic Bight [SCALL5ZMAB]

TL-MT, TC*, RecC* (1964-2013-HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*

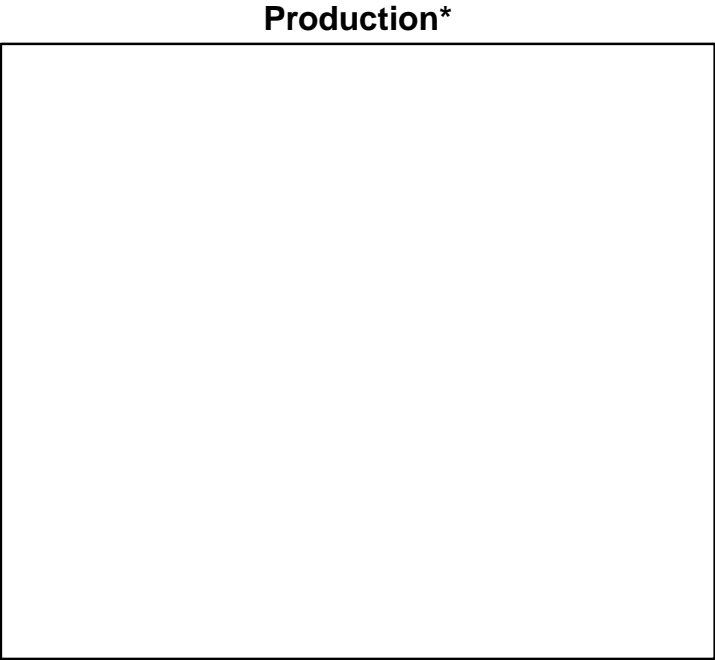
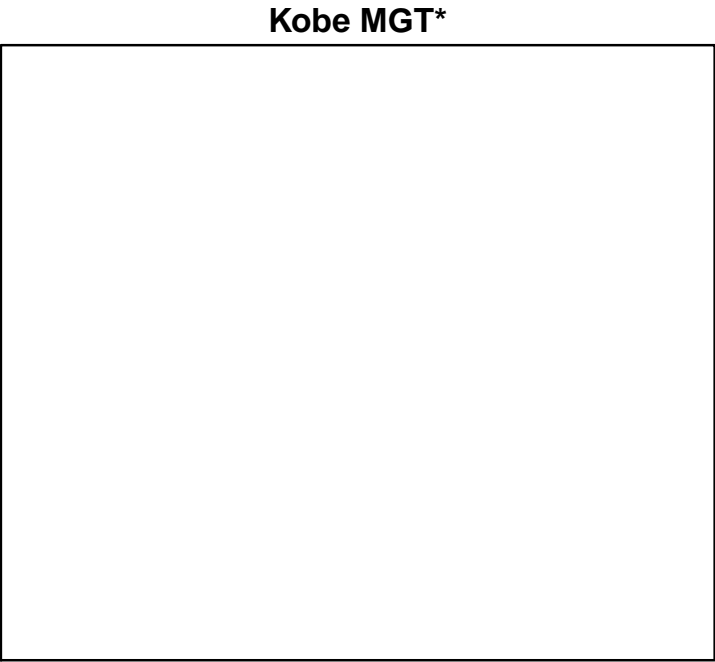


Scalloped hammerhead Atlantic [SCHHEADATL]

Metadata	
Scientific Name	Sphyrna lewini
Current Assess ID	SEFSC-SCHHEADATL-1981-2005-SISIMP2016
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	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-E00	2005	7100
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-E00	2005	4140		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



◆ Start Year ◆ End Year * No Data

Scalloped hammerhead Atlantic [SCHHEADATL]

TB*



SSB*



TN *



F*



ER*

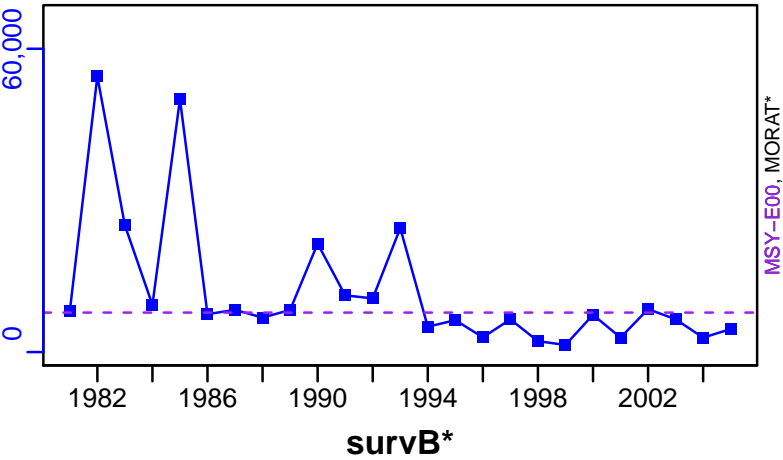


Recruits*



Scalloped hammerhead Atlantic [SCHHEADATL]

TL-E00, TC*, RecC* (1981-2005-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Scup Atlantic Coast [SCUPNWATLC]

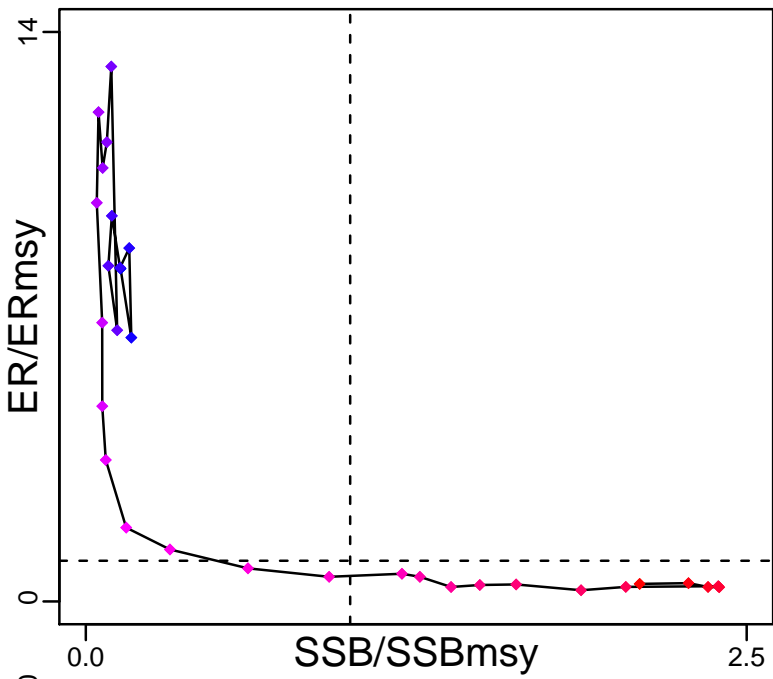
Metadata	
Scientific Name	Stenotomus chrysops
Current Assess ID	NEFSC-SCUPNWATLC-1984-2014-SISIMP2016
Area	Northwestern Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2007, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	87,302
Fmsy	Fmsy-1/yr	2014	0.22
ERmsy	ERmsy-conv-ratio	2014	0.07
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	11,752
M	M-1/yr	2007	0.2
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	43,651
Flim	Flim-1/yr	2014	0.22
ERlim	-	-	-

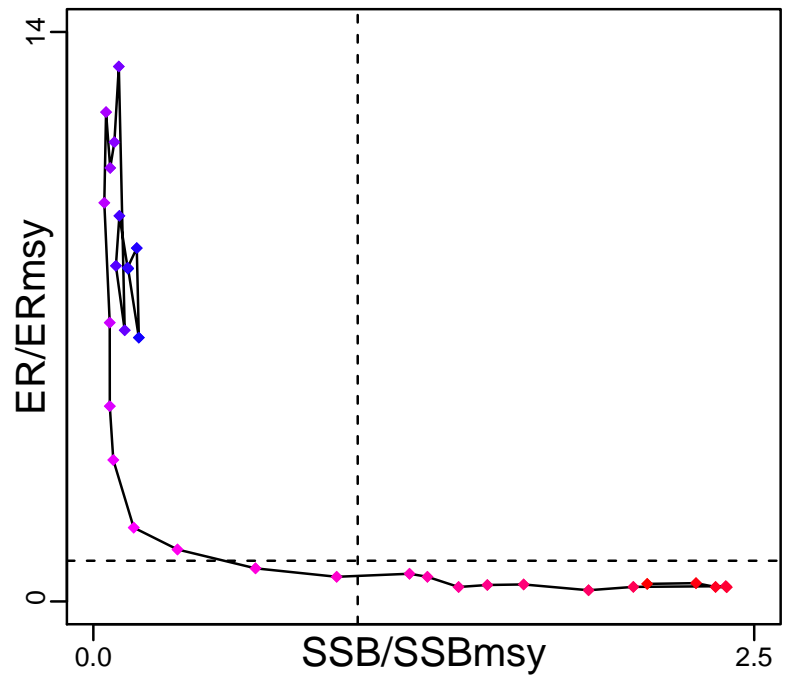
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	183,000	-	-
TN	-	-	-	-	-
R	R-E00	2014	1.12×10^8	-	0
F	F-1/yr	2014	0	-	3
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	10,600		
TL	TL-MT	2007	4200		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	2.1		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.58		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.43		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Scup Atlantic Coast [SCUPNWATLC]

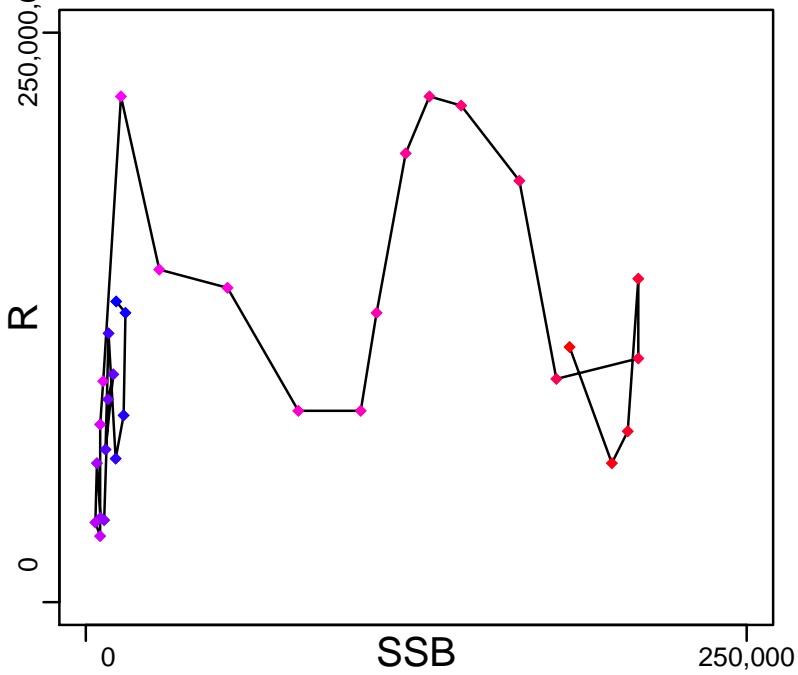
Kobe MSYpref (1984–2014–SISIMP2016)



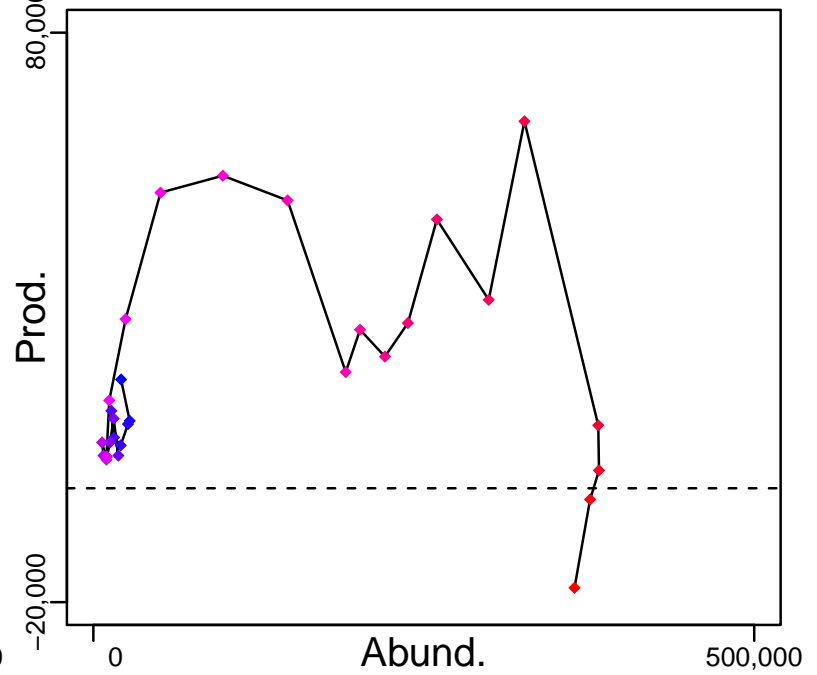
Kobe MGTpref (1984–2014–SISIMP2016)



Spawner Recruit (1984–2014–SISIMP2016)



Production (1984–2014–SISIMP2016)



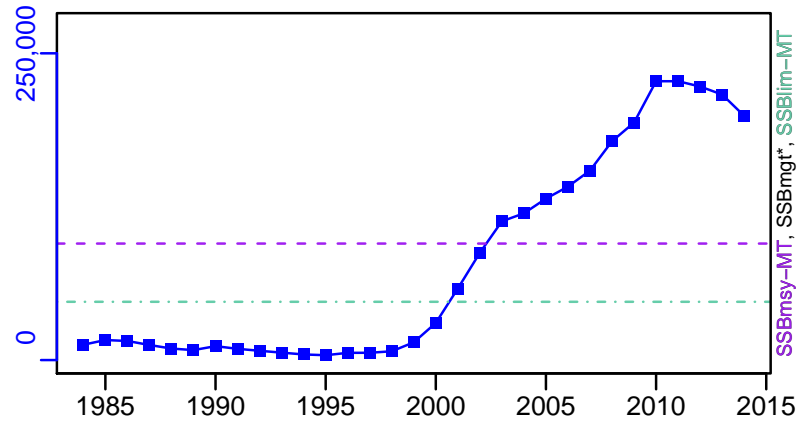
◆ Start Year ◆ End Year * No Data

Scup Atlantic Coast [SCUPNWATLC]

TB*



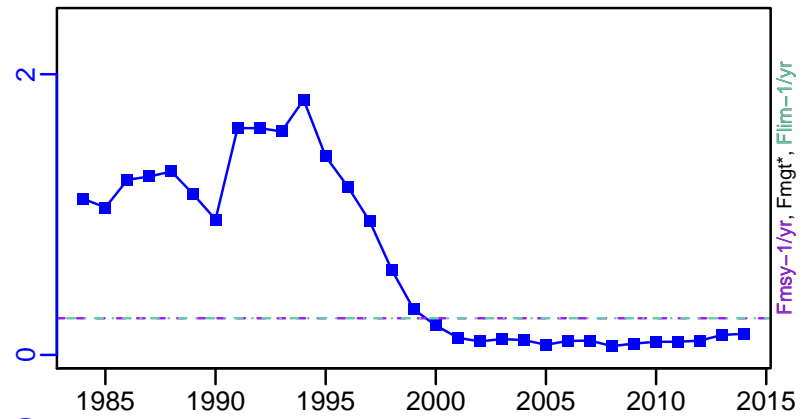
SSB-MT (1984–2014–SISIMP2016)



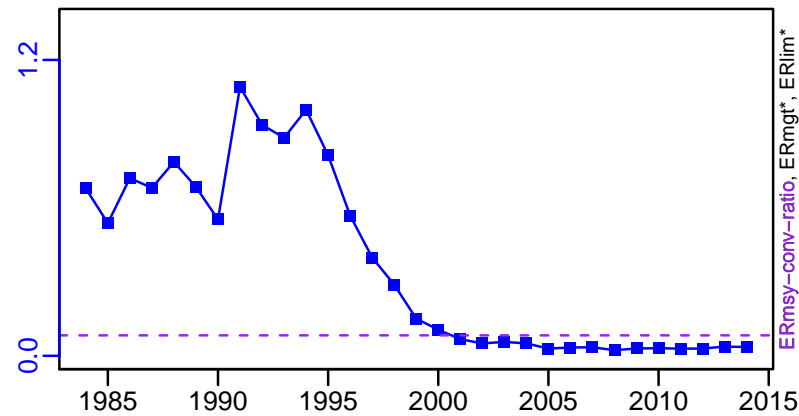
TN *



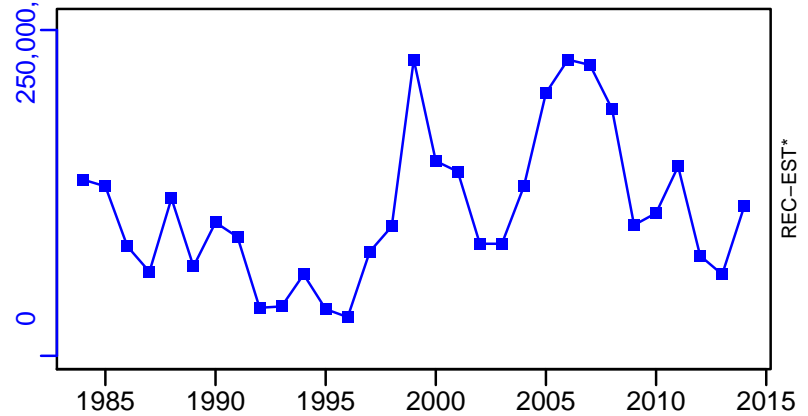
F-1/yr (1984–2014–SISIMP2016)



ER-calc-ratio (1984–2014–SISIMP2016)



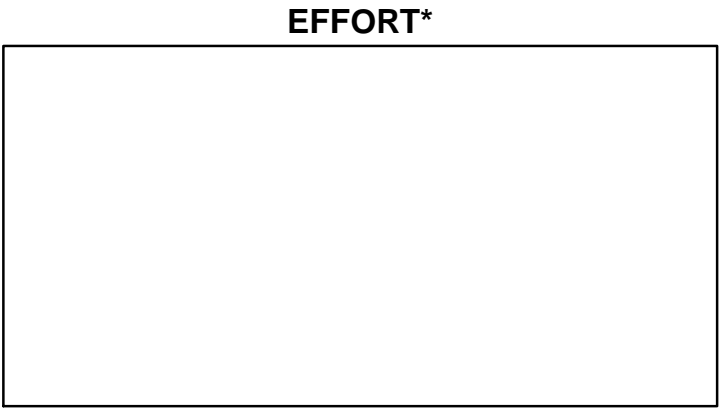
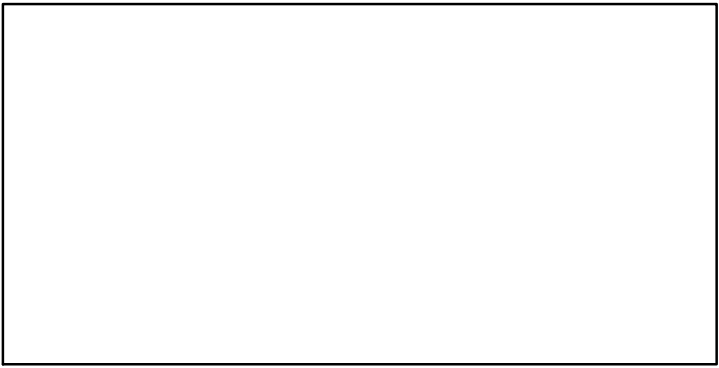
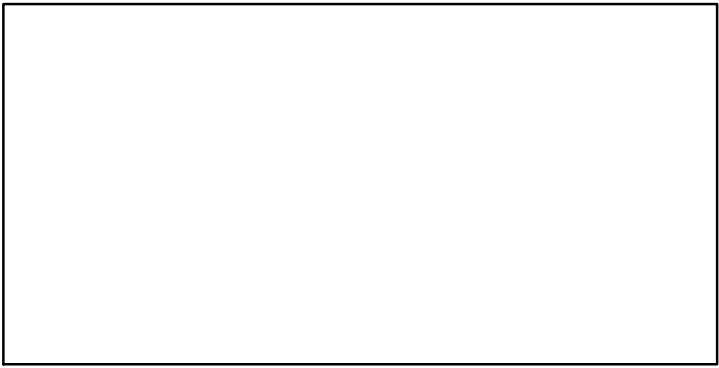
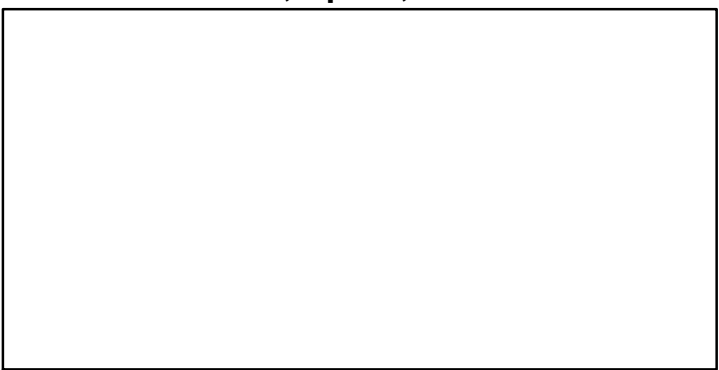
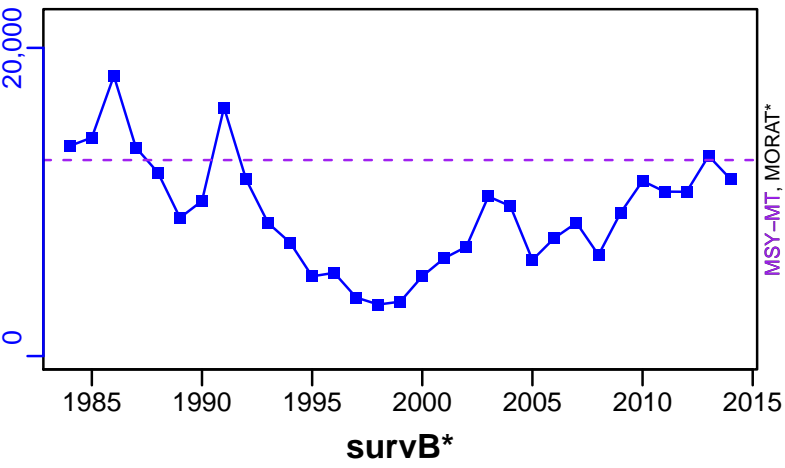
R-E00 (1984–2014–SISIMP2016)



Scup Atlantic Coast [SCUPNWATLC]

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

TAC*, Cpair*, Cadv*



Spiny dogfish Atlantic Coast [SDOGATLC]

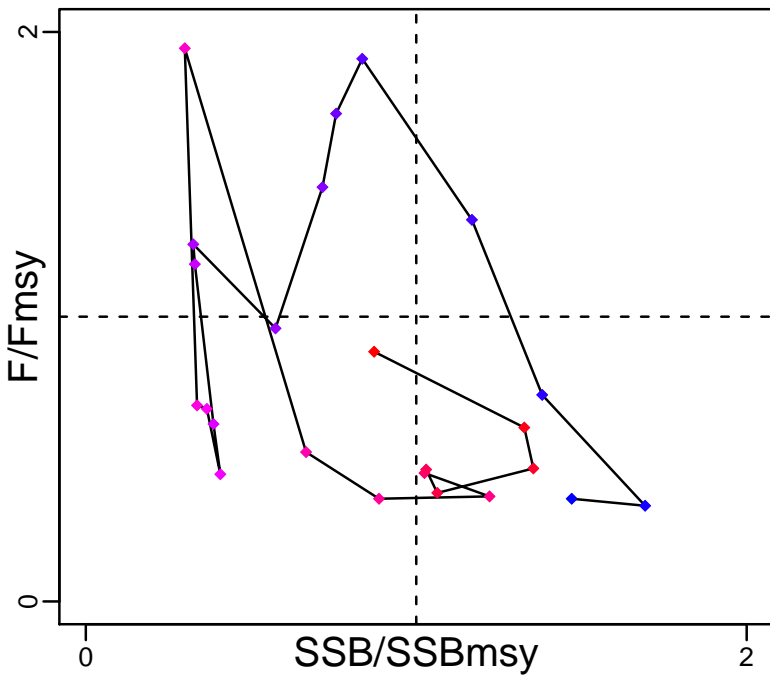
Metadata	
Scientific Name	Squalus acanthias
Current Assess ID	NEFSC-SDOGATLC-1991-2015-SISIMP2016
Area	Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2006, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	159,288
Fmsy	Fmsy-1/yr	2015	0.24
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2015	79,644
Flim	Flim-1/yr	2015	0.24
ERlim	-	-	-

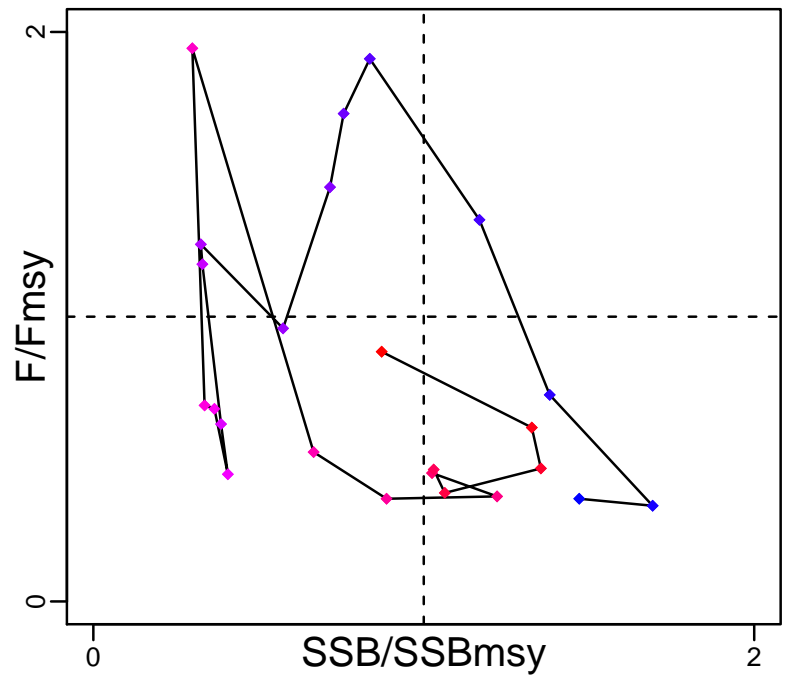
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2006	454,000	-	-
SSB	SSB-MT	2015	139,000	Females	-
TN	-	-	-	-	-
R	R-MT	2006	280	-	-
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	16,500		
TL	TL-MT	2006	3020		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	0.87		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.88		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Spiny dogfish Atlantic Coast [SDOGATLC]

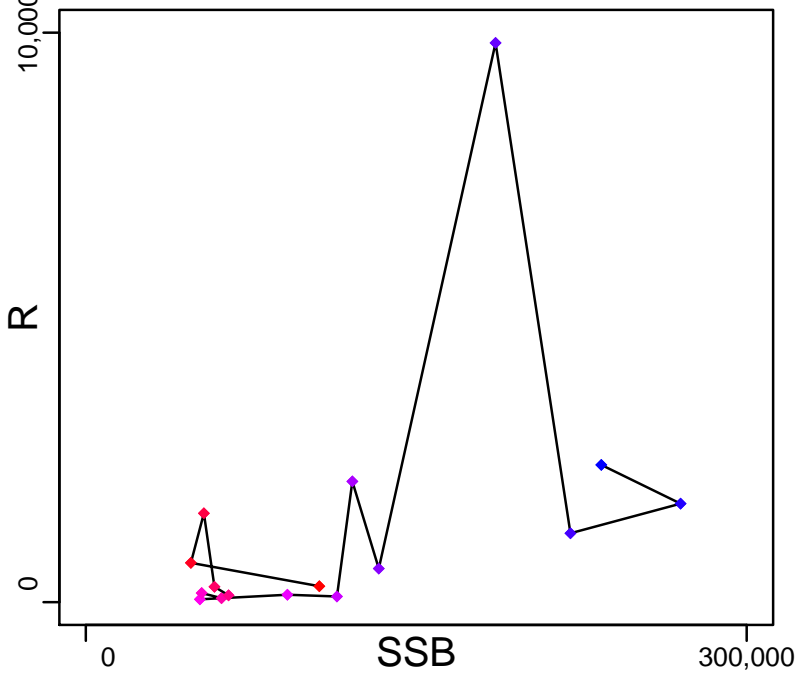
Kobe MSYpref (1991–2015–SISIMP2016)



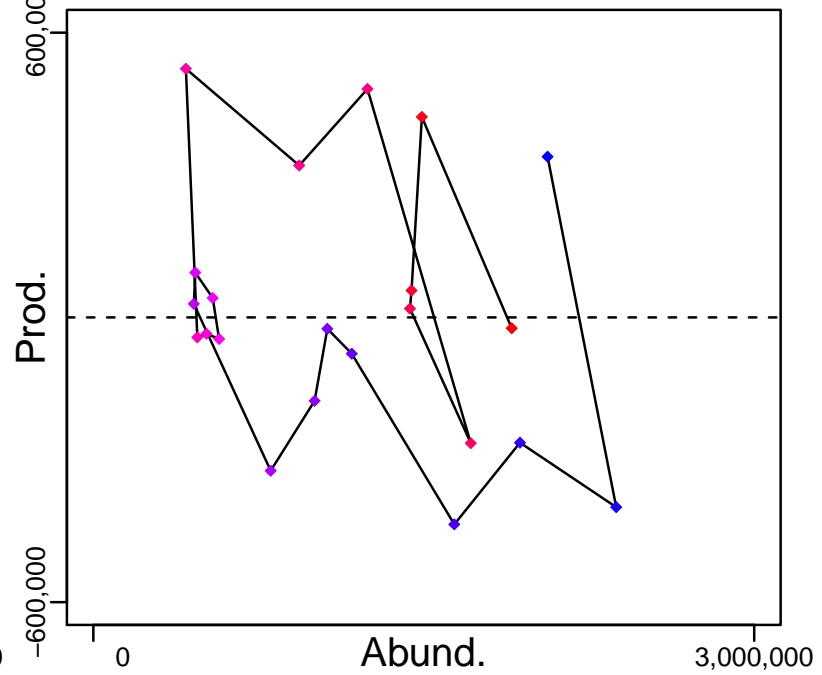
Kobe MGTpref (1991–2015–SISIMP2016)



Spawner Recruit (1962–2006–SOSEBEE)



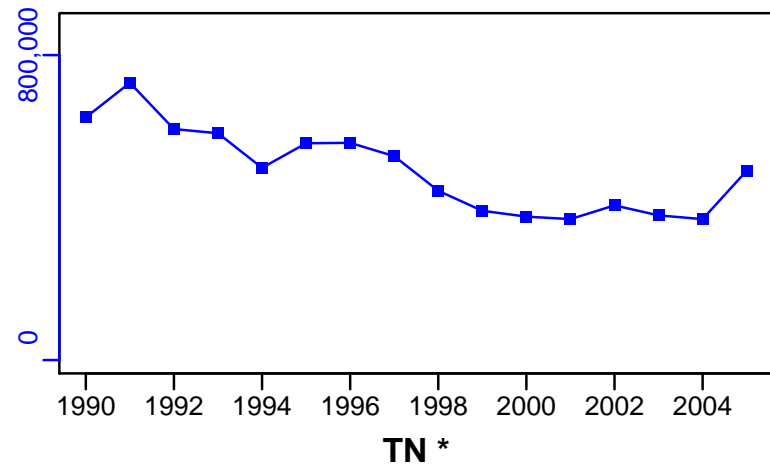
Production (1991–2015–SISIMP2016)



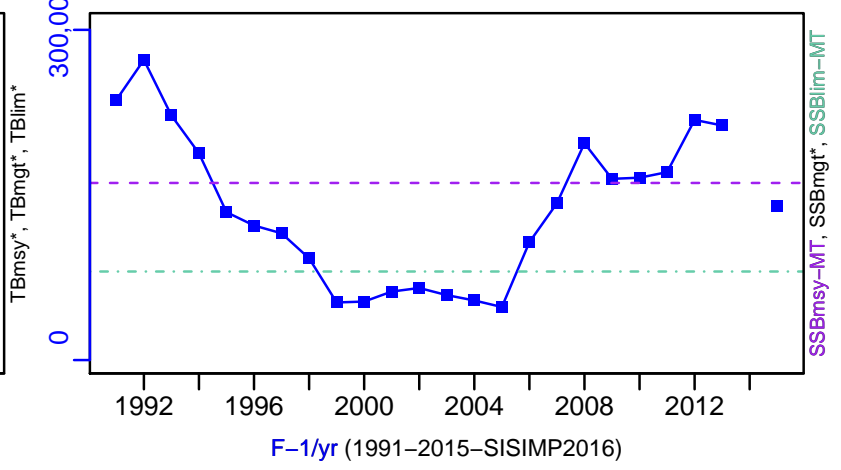
◆ Start Year ◆ End Year * No Data

Spiny dogfish Atlantic Coast [SDOGATLC]

TB-MT (1962-2006-SOSEBEE)



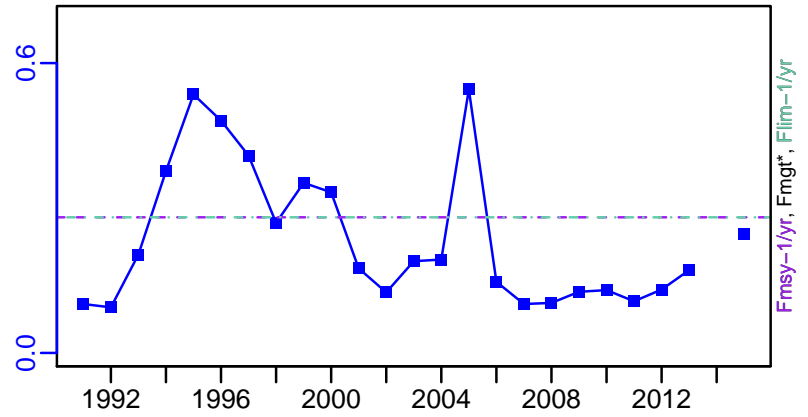
SSB-MT (1991-2015-SISIMP2016)



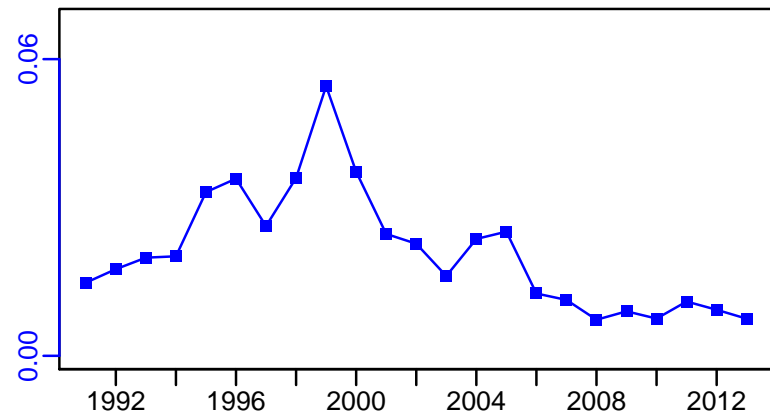
TN *



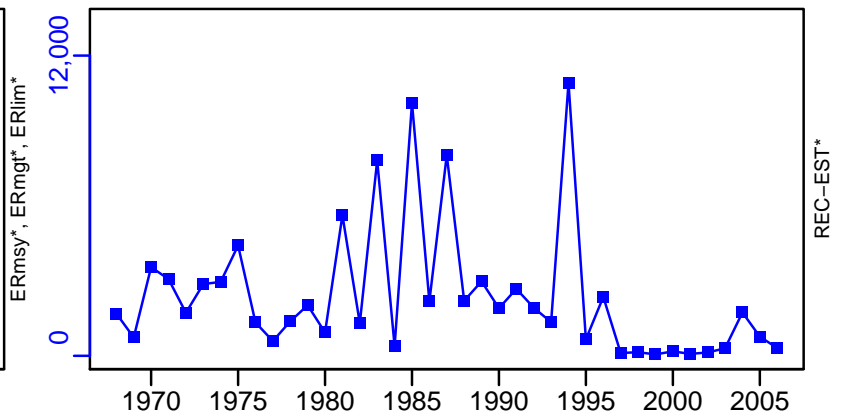
F-1/yr (1991-2015-SISIMP2016)



ER-calc-ratio (1991-2015-SISIMP2016)



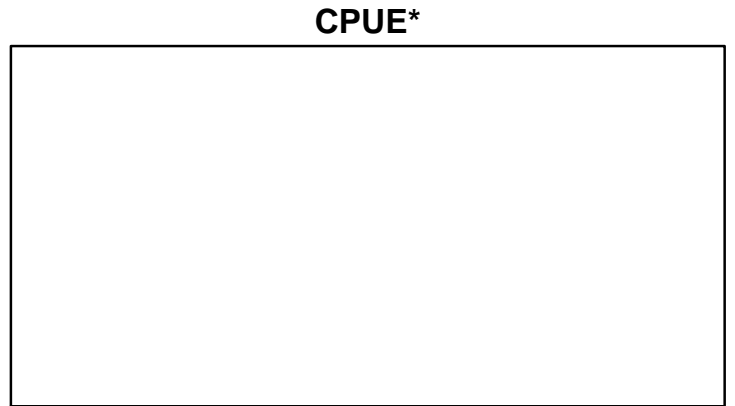
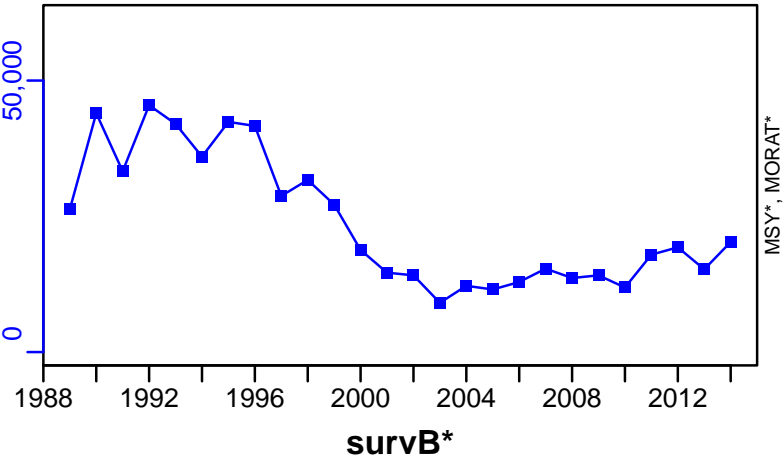
R-MT (1962-2006-SOSEBEE)



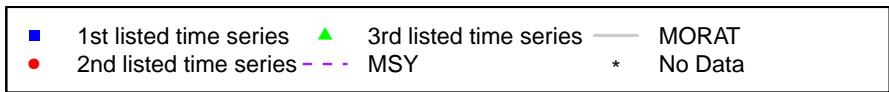
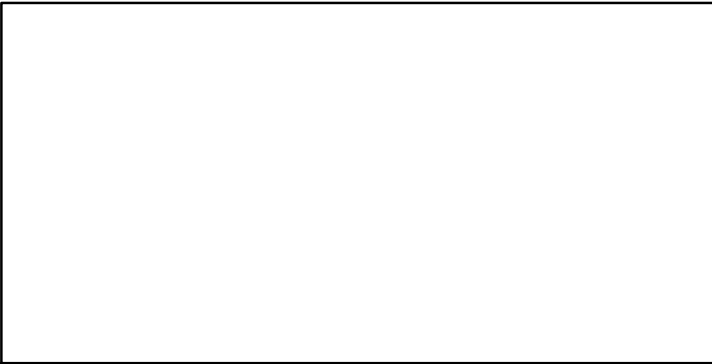
Spiny dogfish Atlantic Coast [SDOGATLC]

TC-MT, TL*, RecC* (1991-2015-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Summer flounder Mid-Atlantic Coast [SFLOUNMATLC]

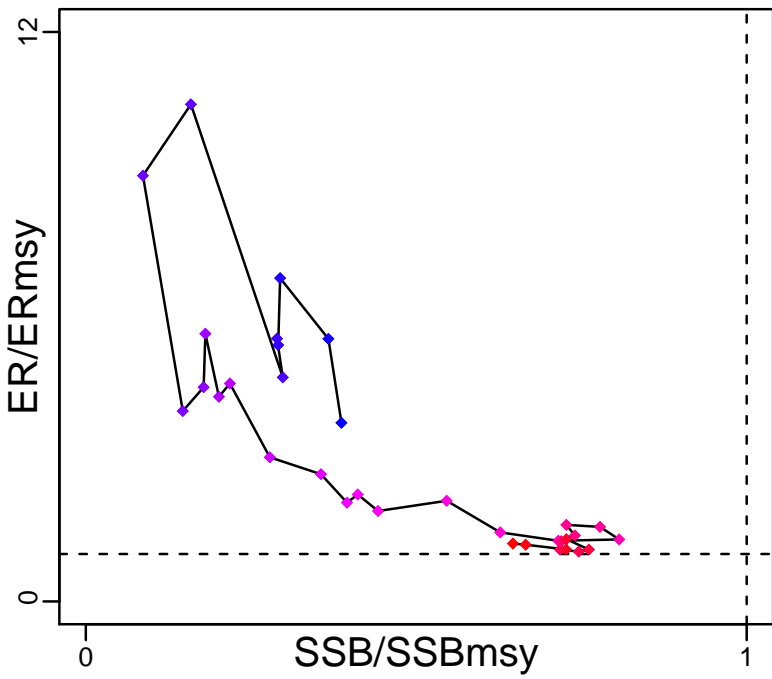
Metadata	
Scientific Name	Paralichthys dentatus
Current Assess ID	NEFSC-SFLOUNMATLC-1982-2014-SISIMP2016
Area	Mid-Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2012, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	62,394
Fmsy	Fmsy-1/yr	2014	0.31
ERmsy	ERmsy-conv-ratio	2014	0.09
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	12,945
M	M-1/yr	2012	0.25
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	31,197
Flim	Flim-1/yr	2014	0.31
ERlim	-	-	-

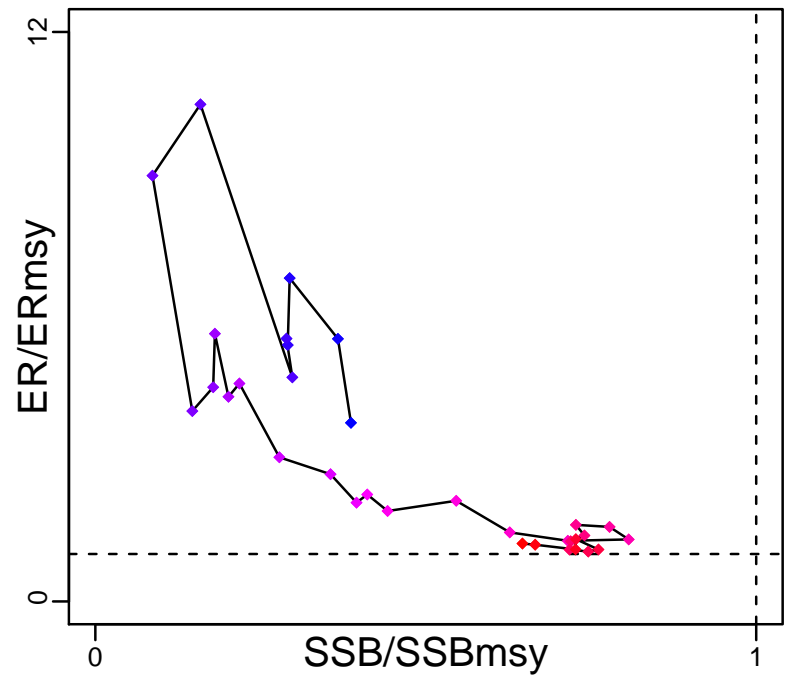
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	40,300	-	-
TN	TN-E00	2012	1.17×10^8	-	-
R	R-E00	2014	41,400,000	-	0
F	F-1/yr	2014	0	-	4
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	10,200		
TL	TL-MT	2012	6050		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.65		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	1.16		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	1.22		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Summer flounder Mid-Atlantic Coast [SFLOUNMATLC]

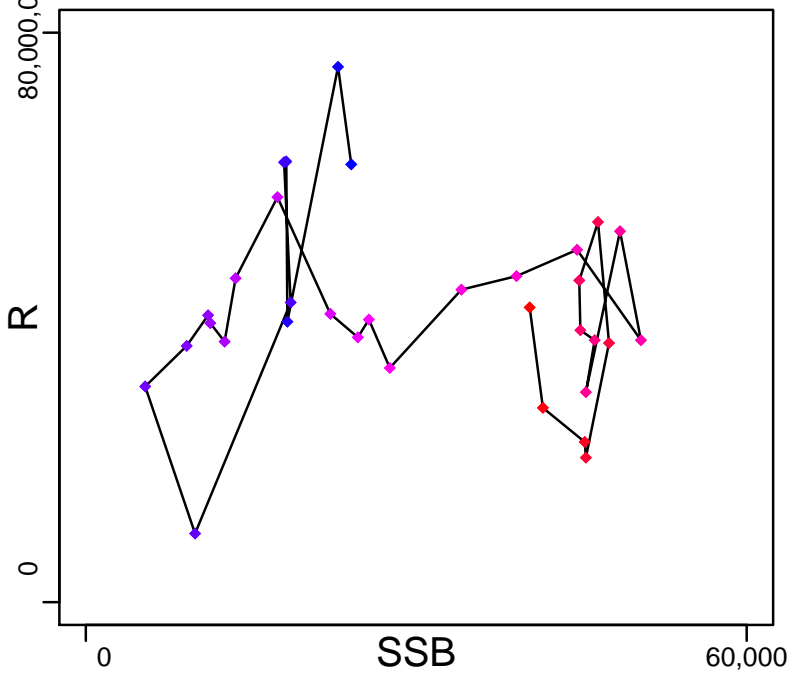
Kobe MSYpref (1982–2014–SISIMP2016)



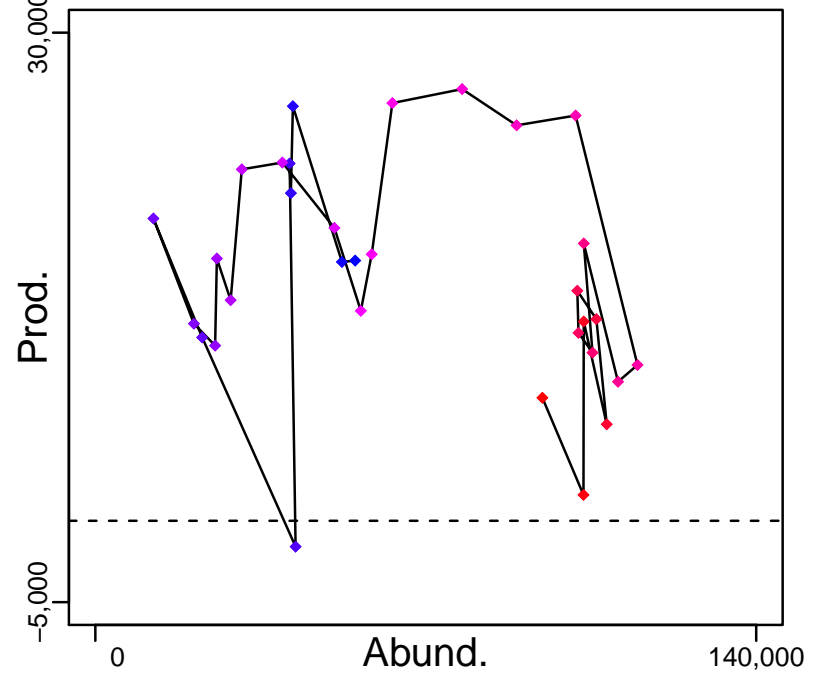
Kobe MGTpref (1982–2014–SISIMP2016)



Spawner Recruit (1982–2014–SISIMP2016)



Production (1982–2014–SISIMP2016)



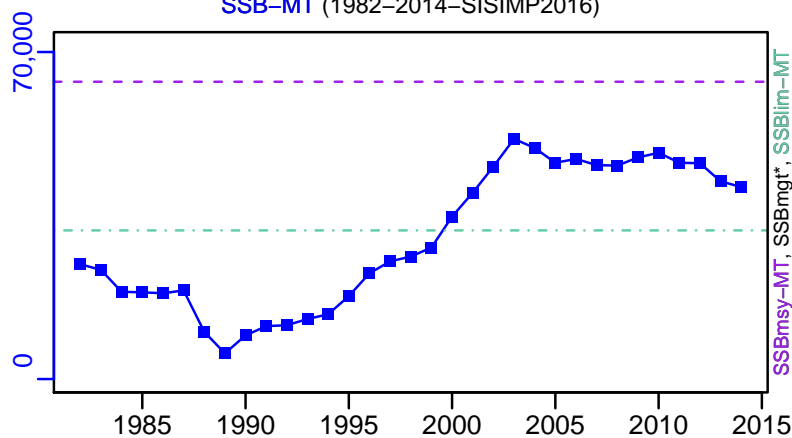
◆ Start Year ◆ End Year * No Data

Summer flounder Mid-Atlantic Coast [SFLOUNMATLC]

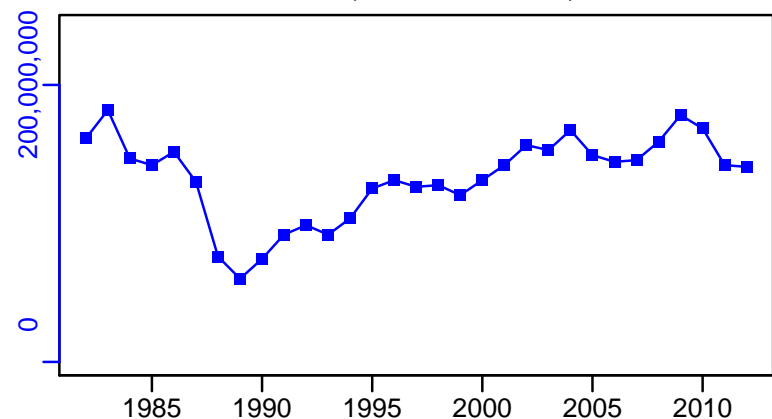
TB*



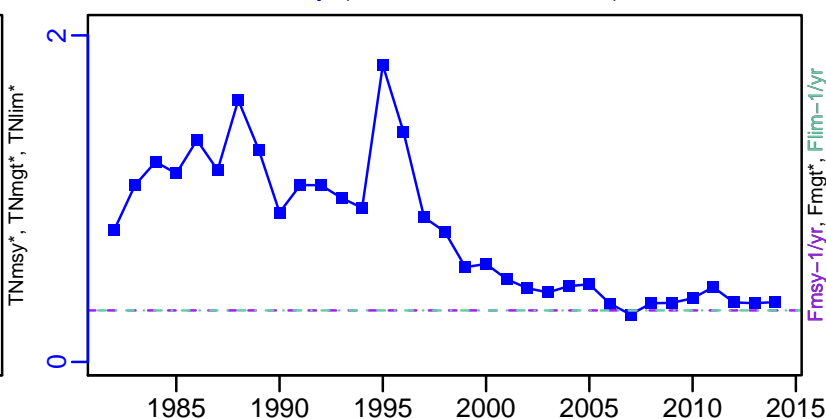
SSB-MT (1982-2014-SISIMP2016)



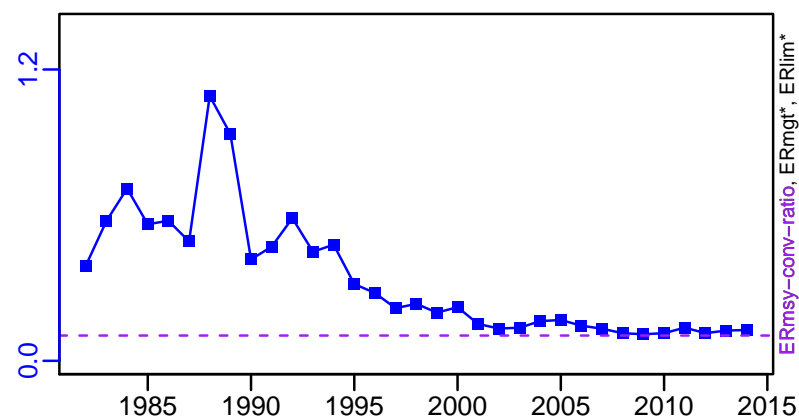
TN-E00 (1940-2012-HIVELY)



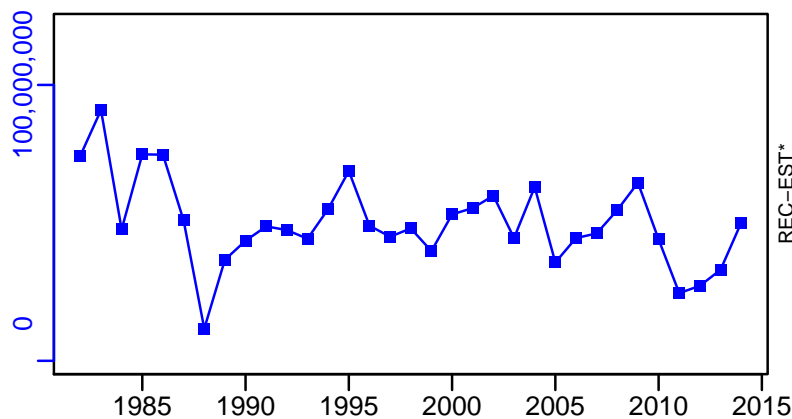
F-1/yr (1982-2014-SISIMP2016)



ER-calc-ratio (1982-2014-SISIMP2016)



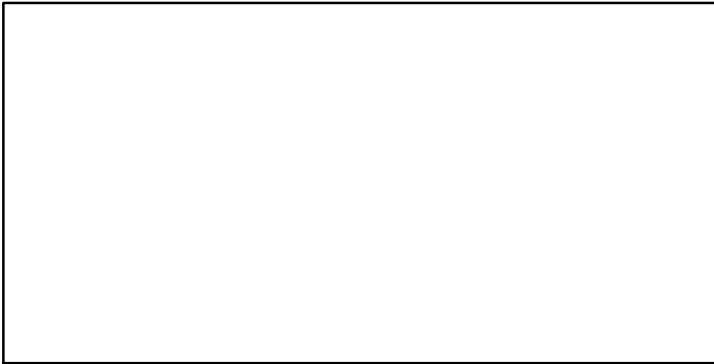
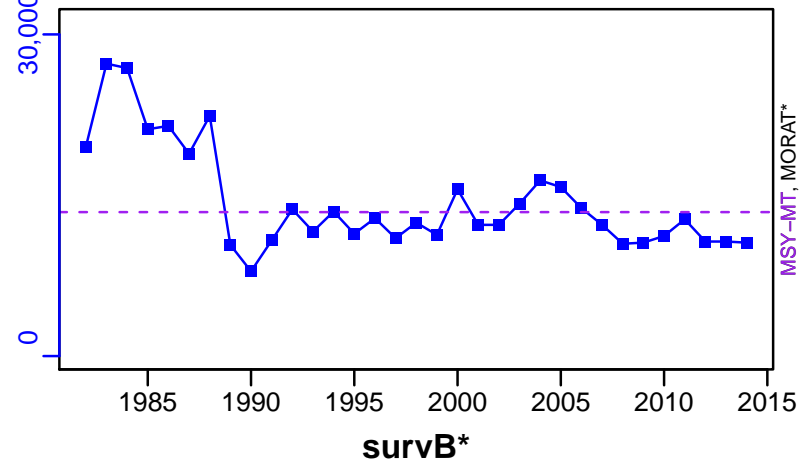
R-E00 (1982-2014-SISIMP2016)



Summer flounder Mid-Atlantic Coast [SFLOUNMATLC]

TC-MT, TL*, RecC* (1982-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



Silver hake Gulf of Maine / Northern Georges Bank [SHAKEGOMNGB]

Metadata	
Scientific Name	Merluccius bilinearis
Current Assess ID	NEFSC-SHAKEGOMNGB-1963-2013-SISIMP2016
Area	Gulf of Maine / Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2009, 2013

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	TN-E00	2009	14,300,000	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2013	1370		
TL	TL-MT	2009	972		
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

Silver hake Gulf of Maine / Northern Georges Bank [SHAKEGOMNGB]

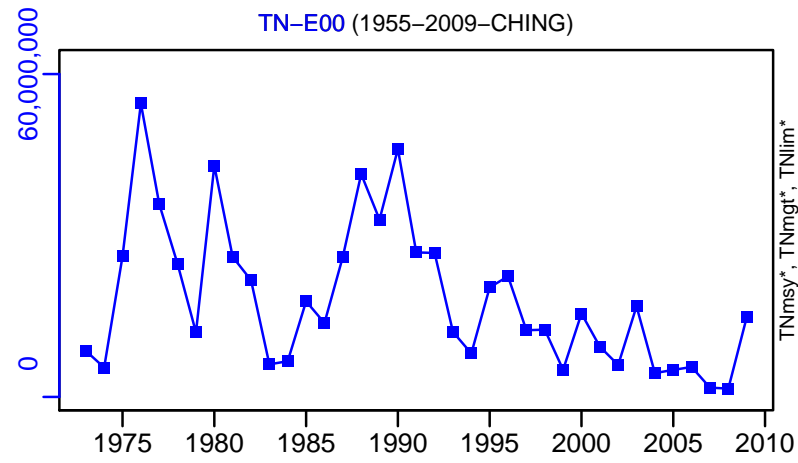
TB*



SSB*



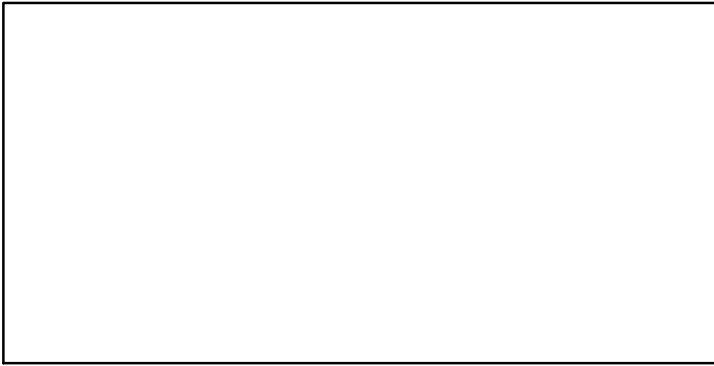
TN-E00 (1955–2009–CHING)



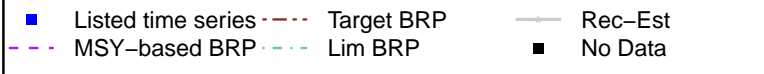
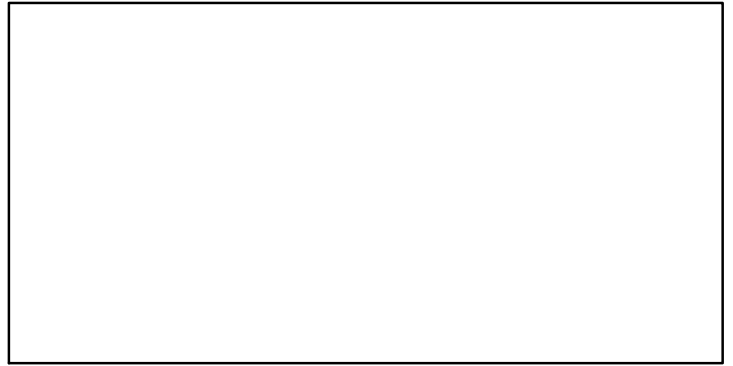
F*



ER*

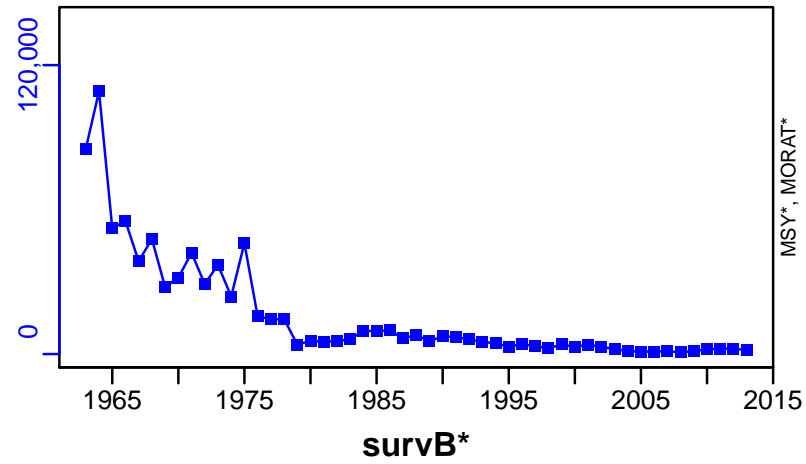


Recruits*



Silver hake Gulf of Maine / Northern Georges Bank [SHAKEGOMNGB]

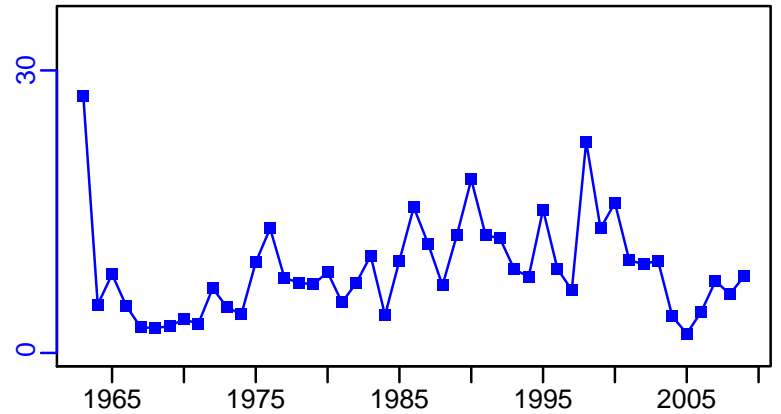
TC-MT, TL*, RecC* (1963-2013-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE-kgpertow (1955-2009-CHING)



EFFORT*



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

Silver hake Southern Georges Bank / Mid-Atlantic [SHAKESGBMATL]

Metadata	
Scientific Name	Merluccius bilinearis
Current Assess ID	NEFSC-SHAKESGBMATL-1963-2013-SISIMP2016
Area	Southern Georges Bank / Mid-Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2009, 2013

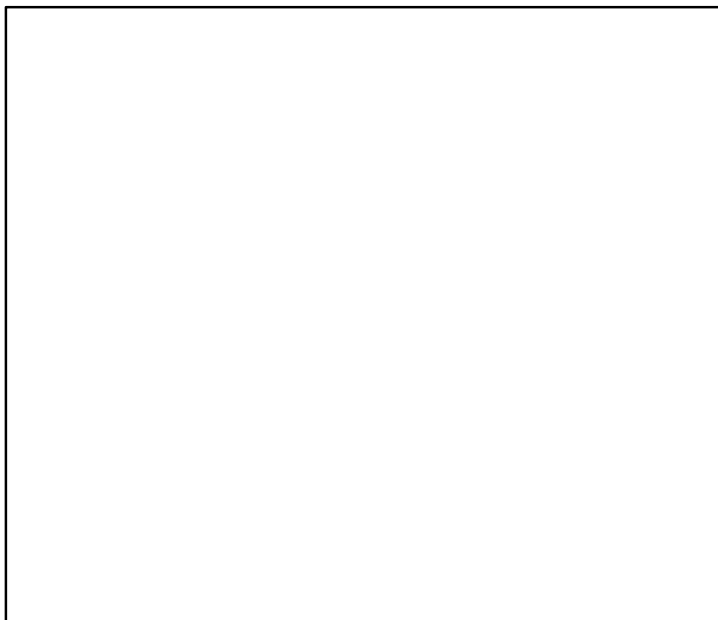
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	TN-E00	2009	1,690,000	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2013	5430		
TL	TL-MT	2009	6640		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

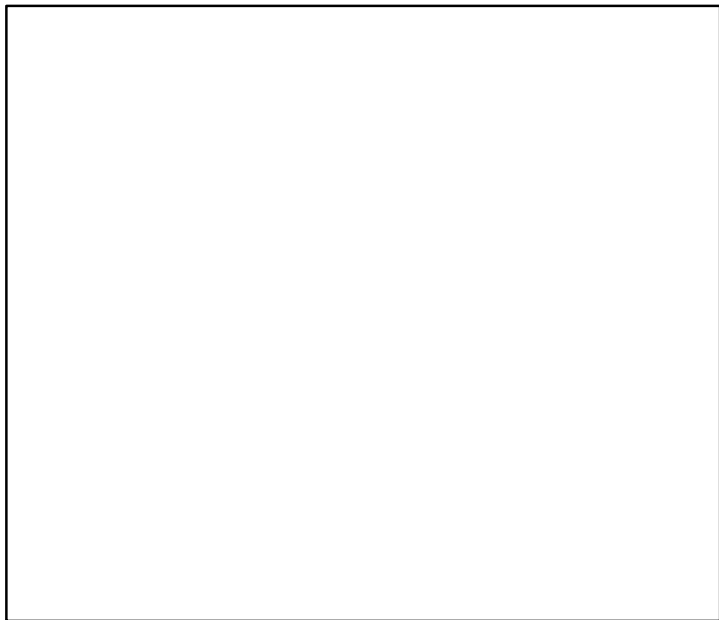
Kobe MSY*



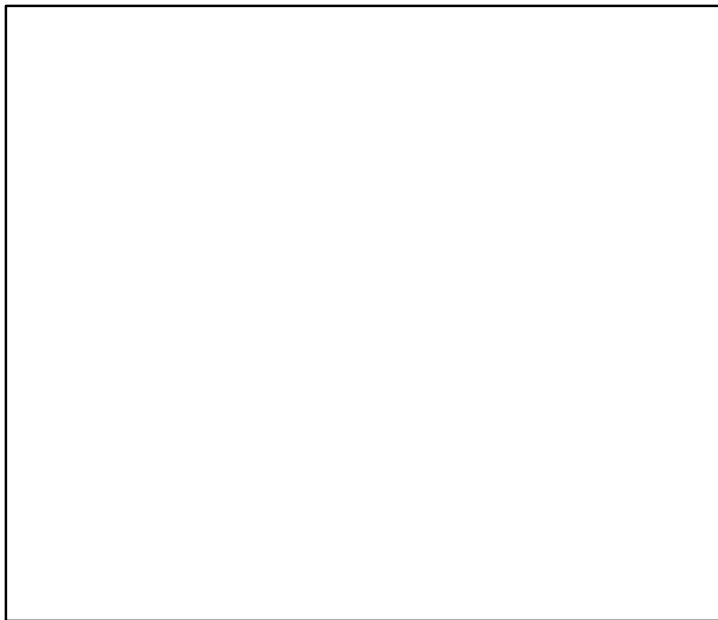
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Silver hake Southern Georges Bank / Mid-Atlantic [SHAKESGBMATL]

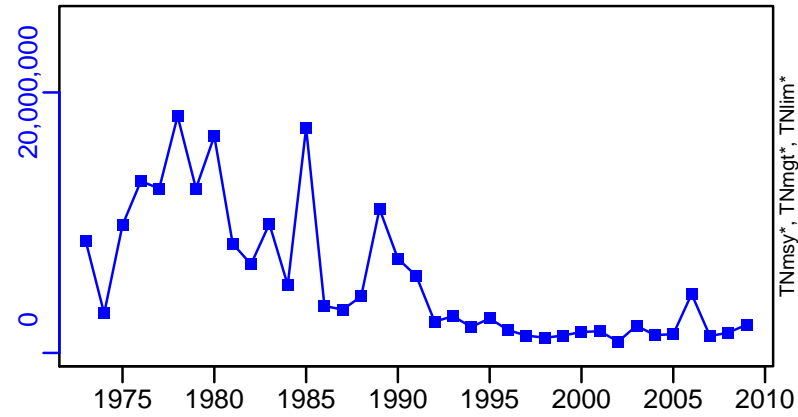
TB*



SSB*



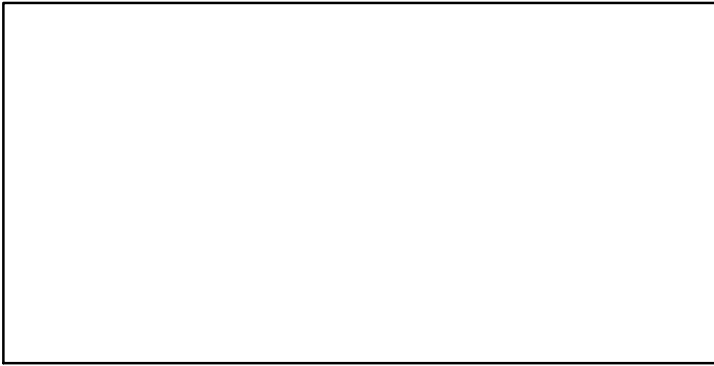
TN-E00 (1955-2009-CHING)



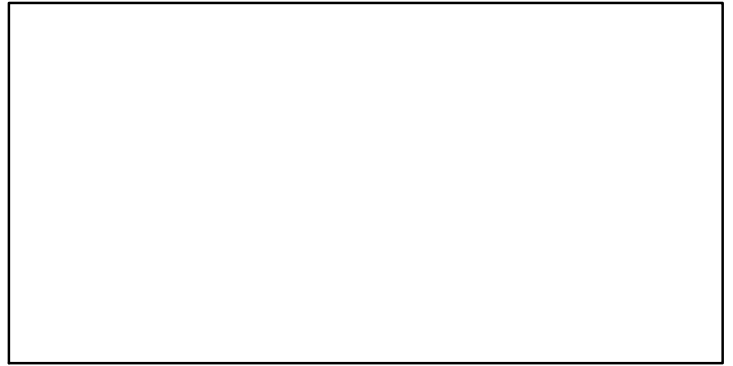
F*



ER*



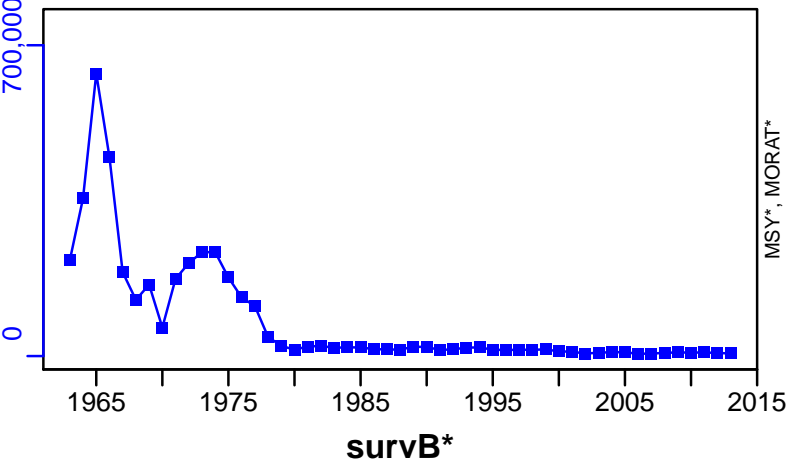
Recruits*



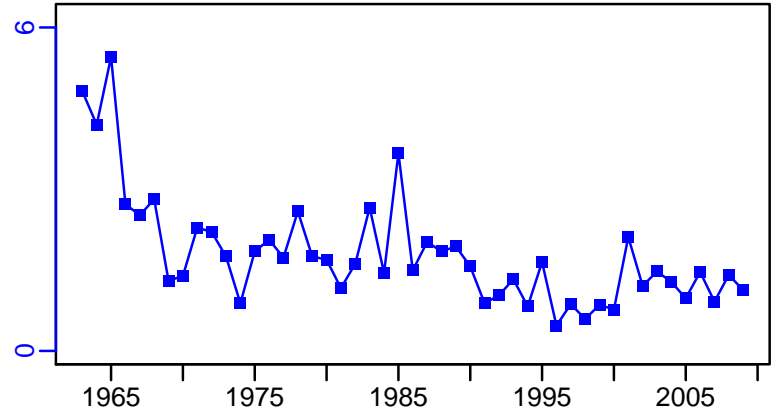
Silver hake Southern Georges Bank / Mid-Atlantic [SHAKESGBMATL]

TC-MT, TL*, RecC* (1963-2013-SISIMP2016)

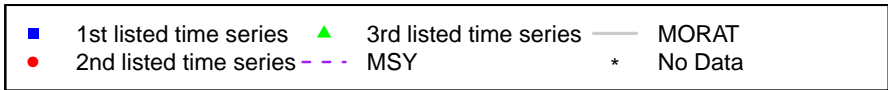
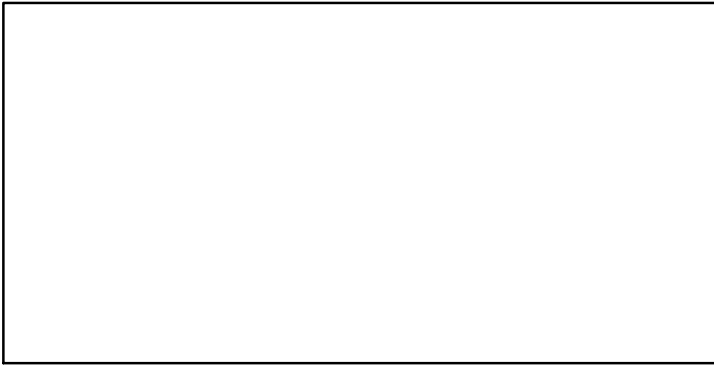
TAC*, Cpair*, Cadv*



CPUE-kgpertow (1955-2009-CHING)



EFFORT*

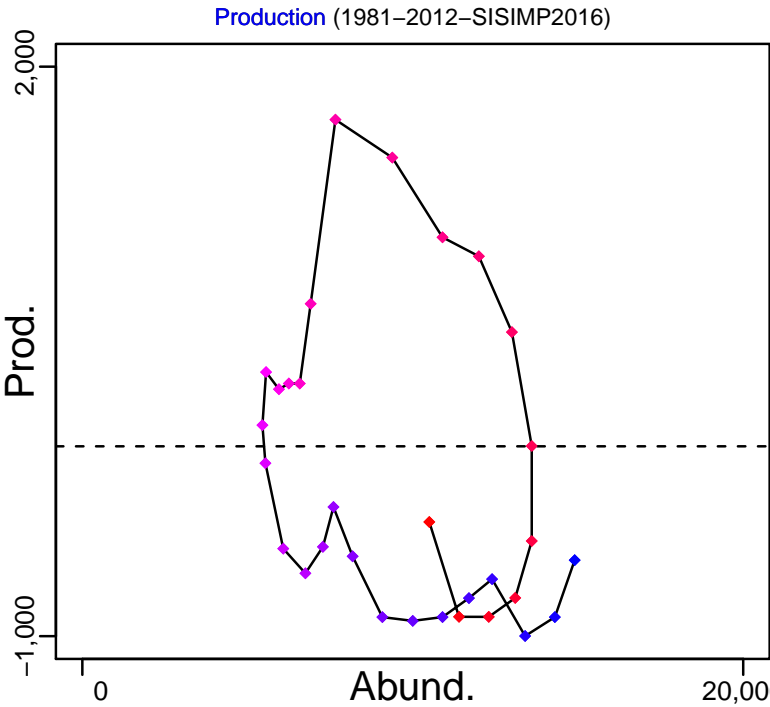
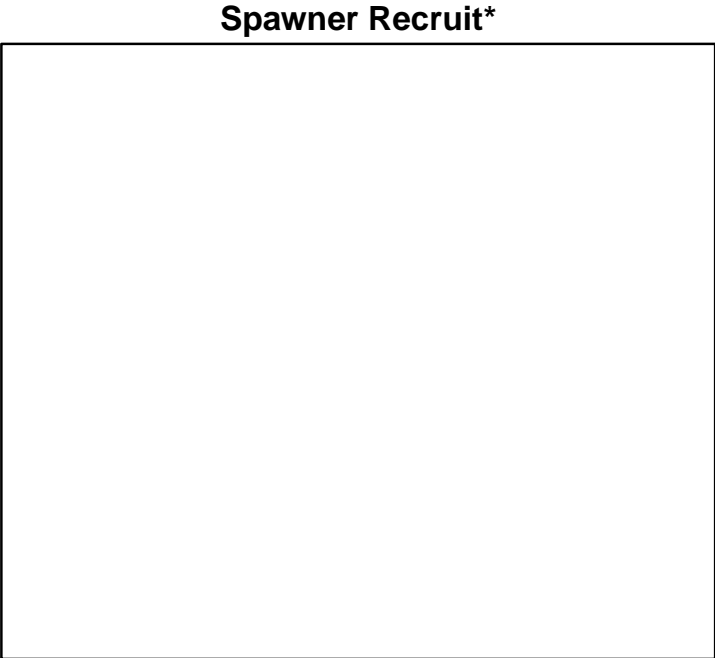
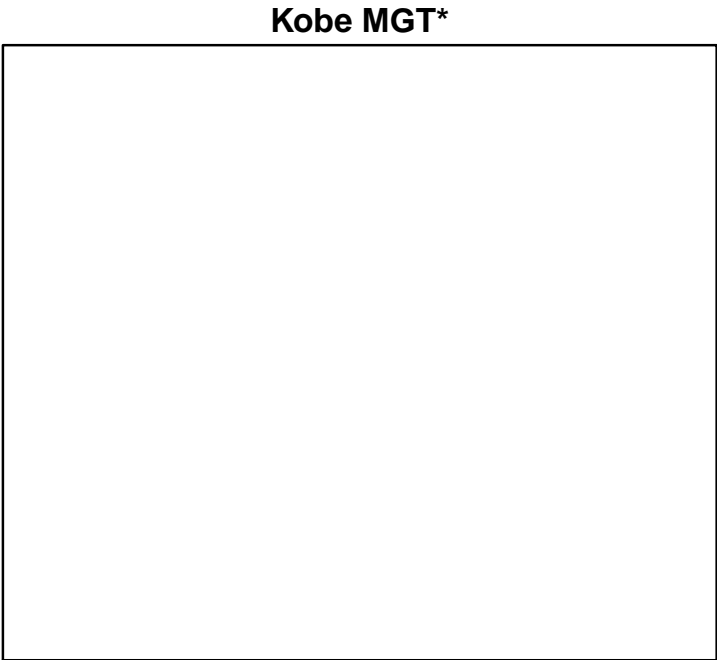
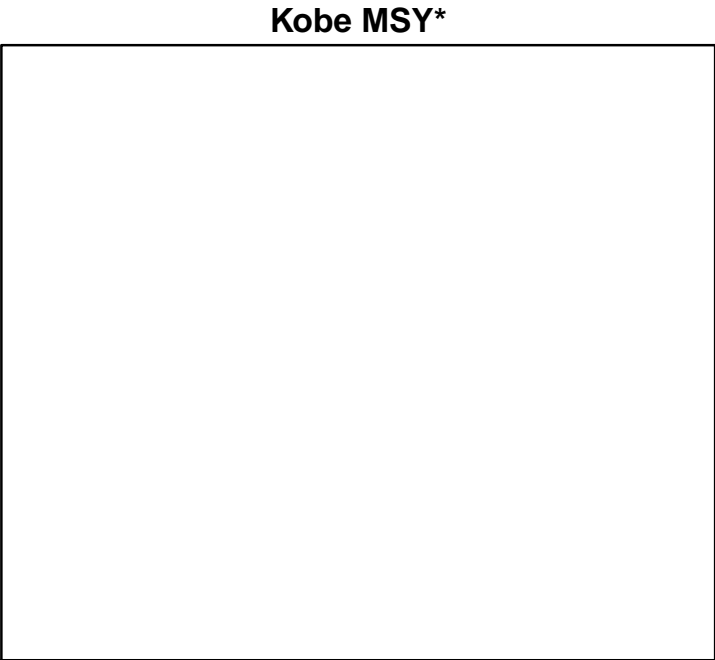


Smooth dogfish Atlantic [SMDOGATL]

Metadata	
Scientific Name	Mustelus canis
Current Assess ID	SEFSC-SMDOGATL-1981-2012-SISIMP2016
Area	Atlantic
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-E00pups	2012	4,746,000
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2012	0.13
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-E00pups	2012	3,701,000
Flim	-	-	-
ERlim	ERlim-ratio	2012	0.13

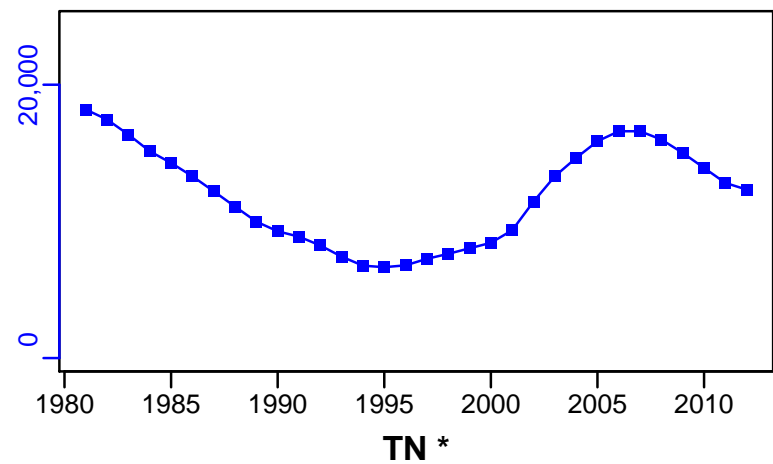
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2012	10,100	-	-
SSB	SSB-E00pups	2012	10,800,000	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2012	0	-	-
TC	TC-MT	2012	1.45		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2012	0.79		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



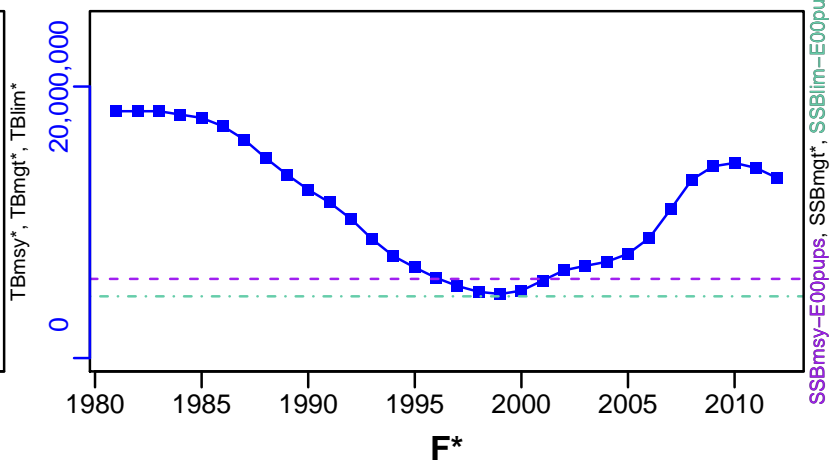
◆ Start Year ◆ End Year * No Data

Smooth dogfish Atlantic [SMDOGATL]

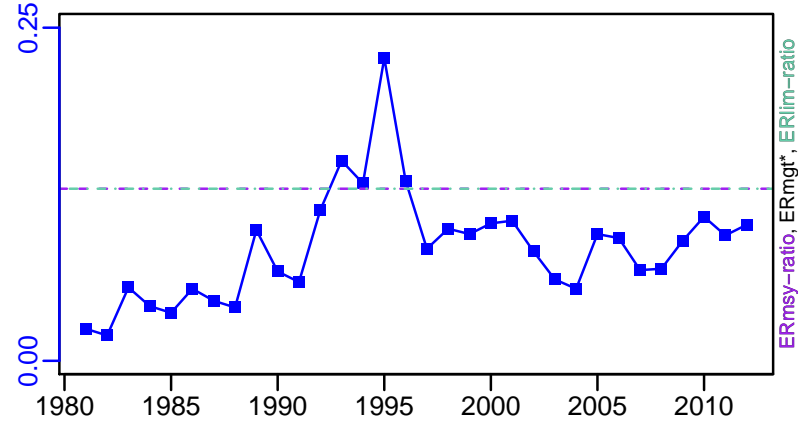
TB-MT (1981–2012–SISIMP2016)



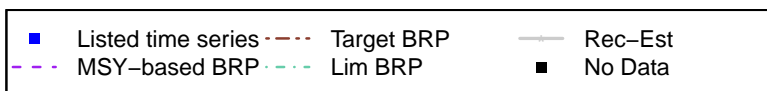
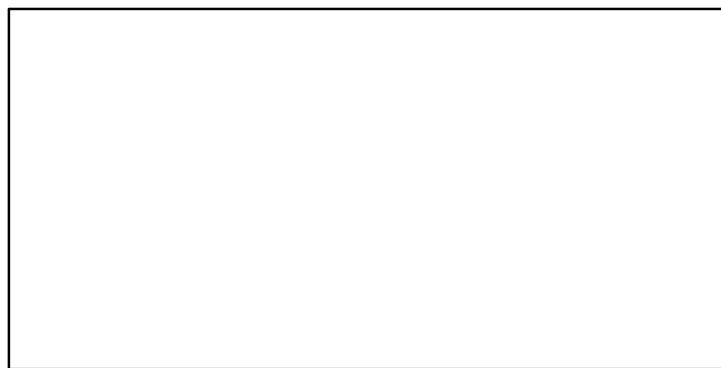
SSB-E00pups (1981–2012–SISIMP2016)



ER-ratio (1981–2012–SISIMP2016)



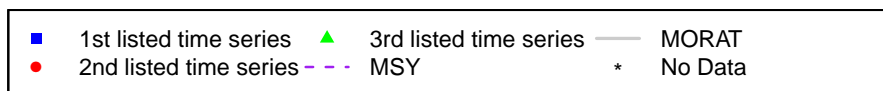
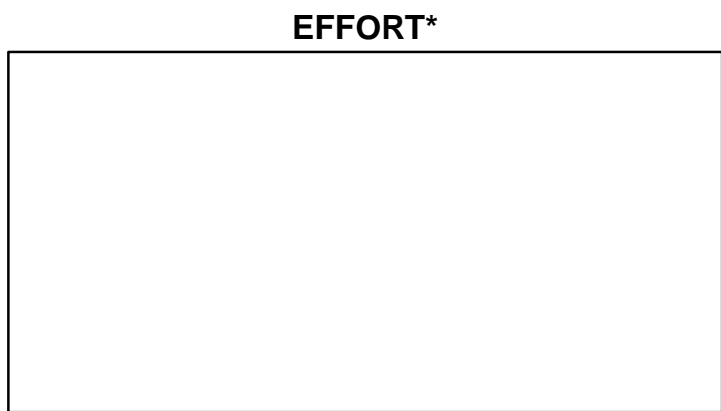
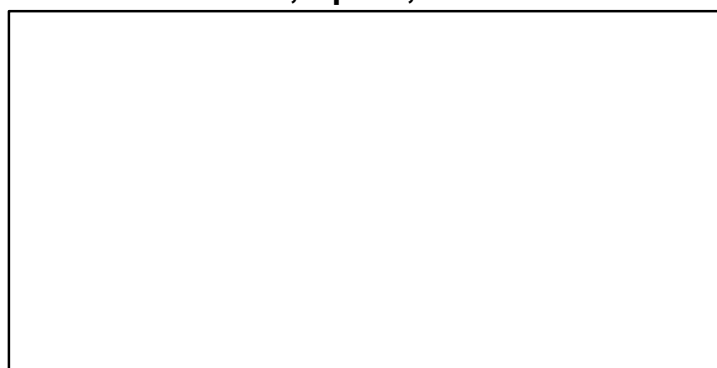
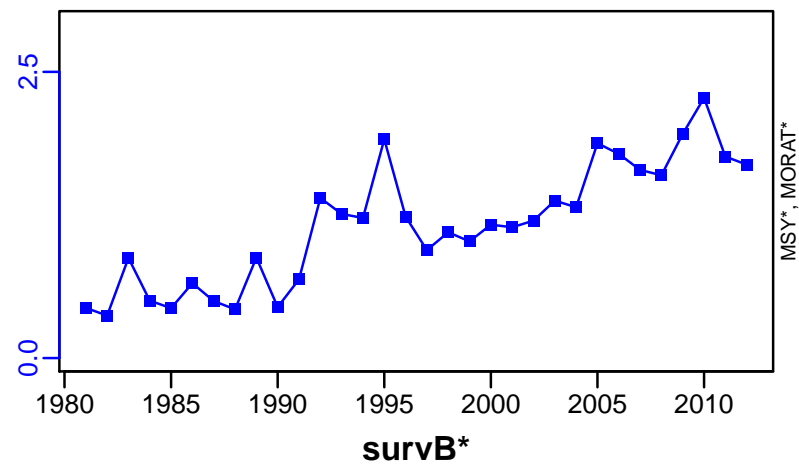
Recruits*



Smooth dogfish Atlantic [SMDOGATL]

TC-MT, TL*, RecC* (1981-2012-SISIMP2016)

TAC*, Cpair*, Cadv*



**Smooth skate Gulf of Marine / Georges Bank-Southern New England
[SSKAT5YZSNE]**

Metadata	
Scientific Name	Malacoraja senta
Current Assess ID	NEFSC-SSKAT5YZSNE-1963-2005-SOSEBEE
Area	Gulf of Maine / Georges Bank-Southern New England
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2005

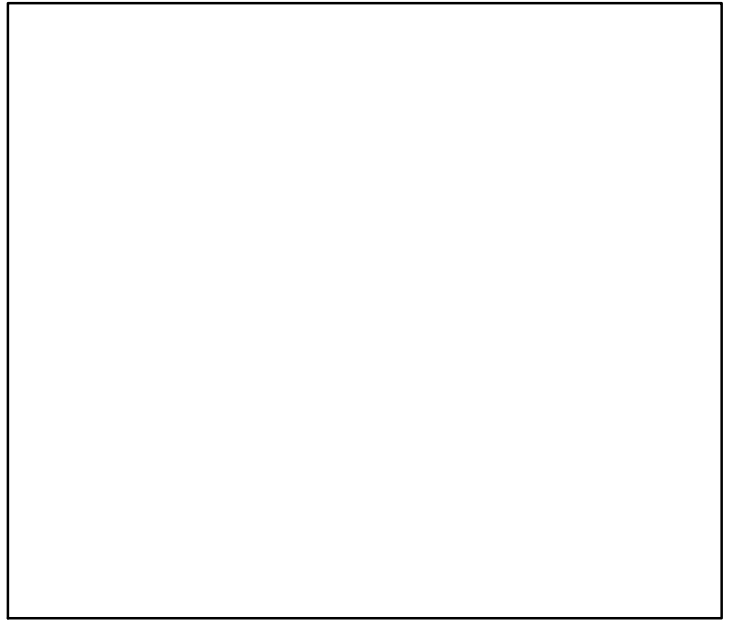
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

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

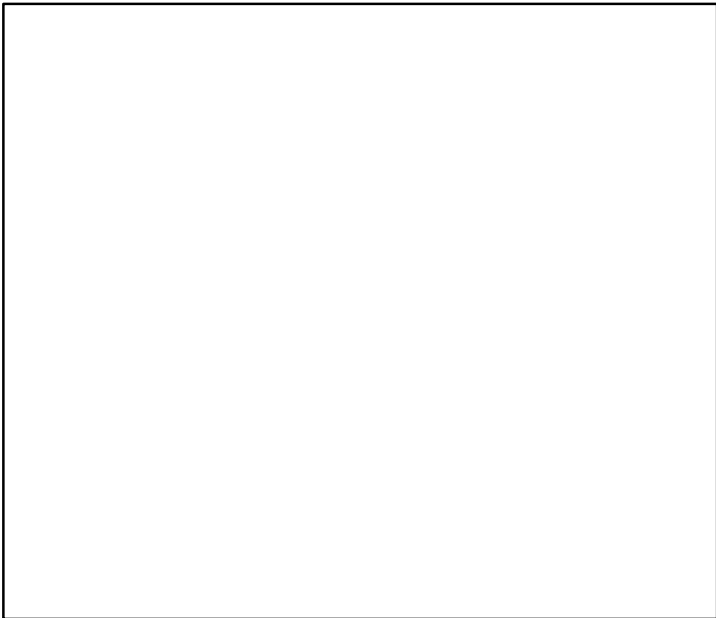
Kobe MSY*



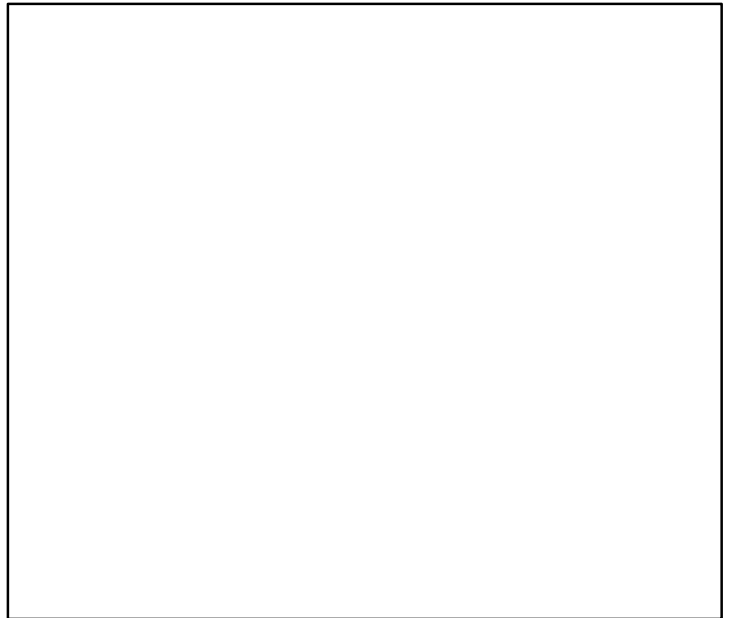
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

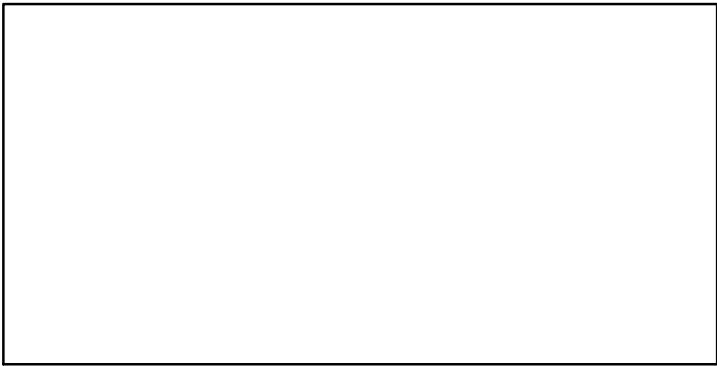
TB*



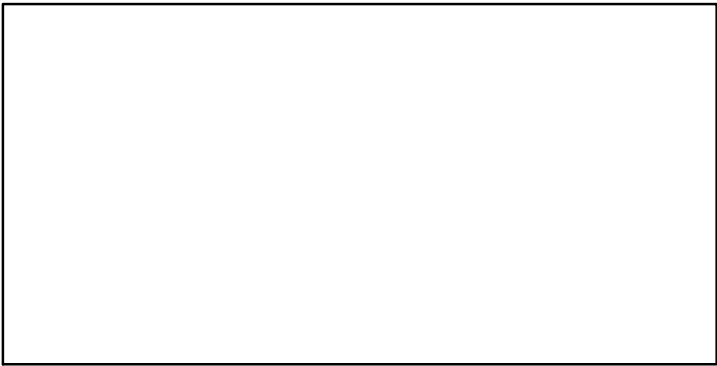
SSB*



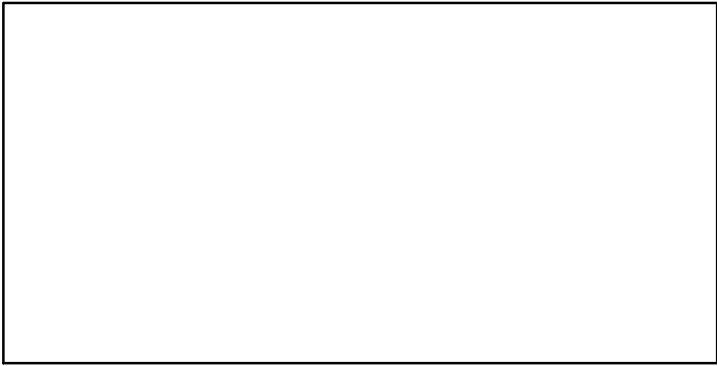
TN *



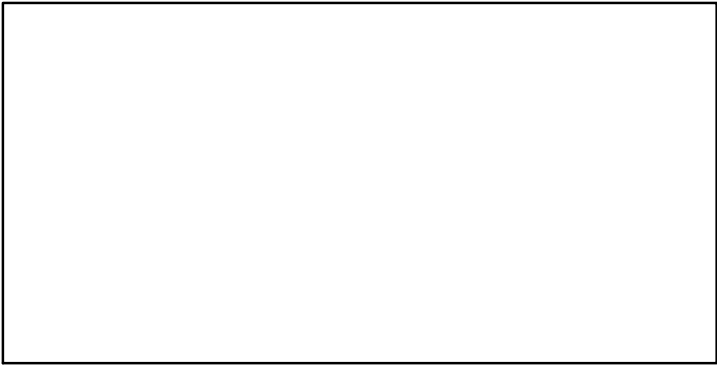
F*



ER*



Recruits*



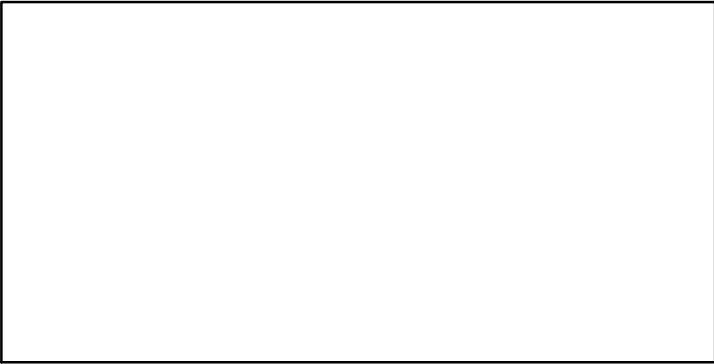
TC*, TL*, RecC*



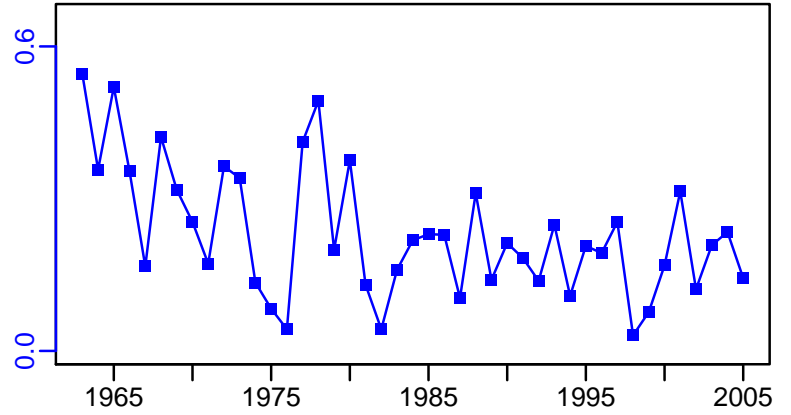
TAC*, Cpair*, Cadv*



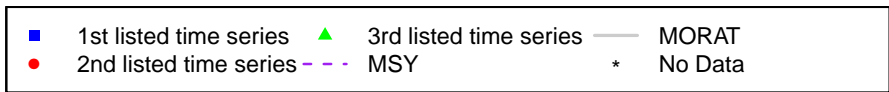
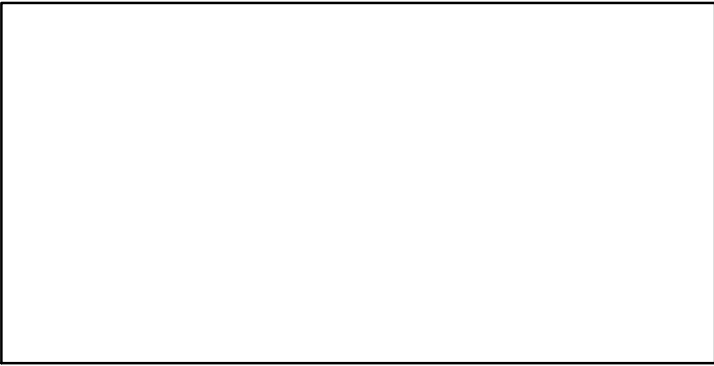
survB*



CPUE–kgpertow (1963–2005–SOSEBEE)



EFFORT*



Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]

Metadata	
Scientific Name	Morone saxatilis
Current Assess ID	NEFSC-STRIPEDBASSGOMCHATT-1981-2012-HIVELY
Area	Gulf of Maine / Cape Hatteras
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2012

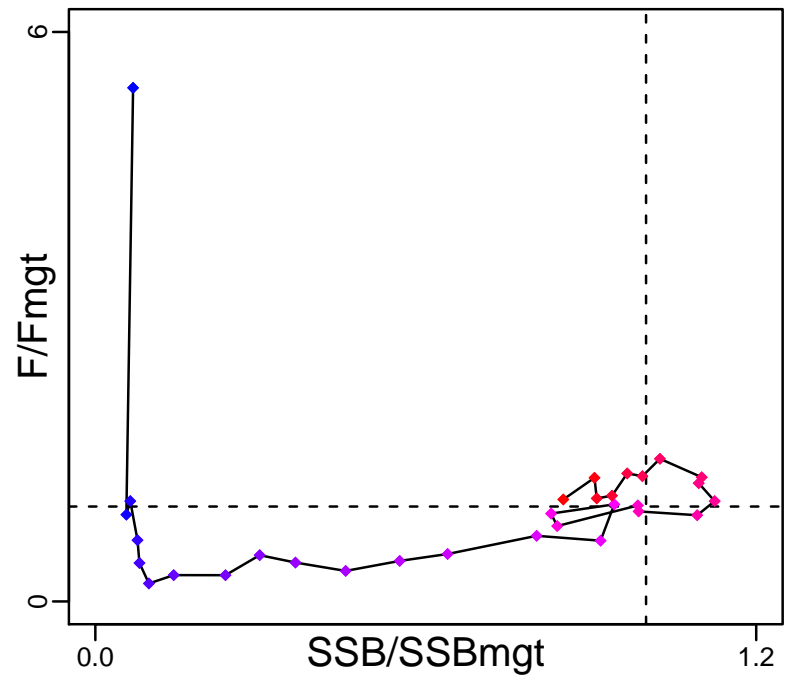
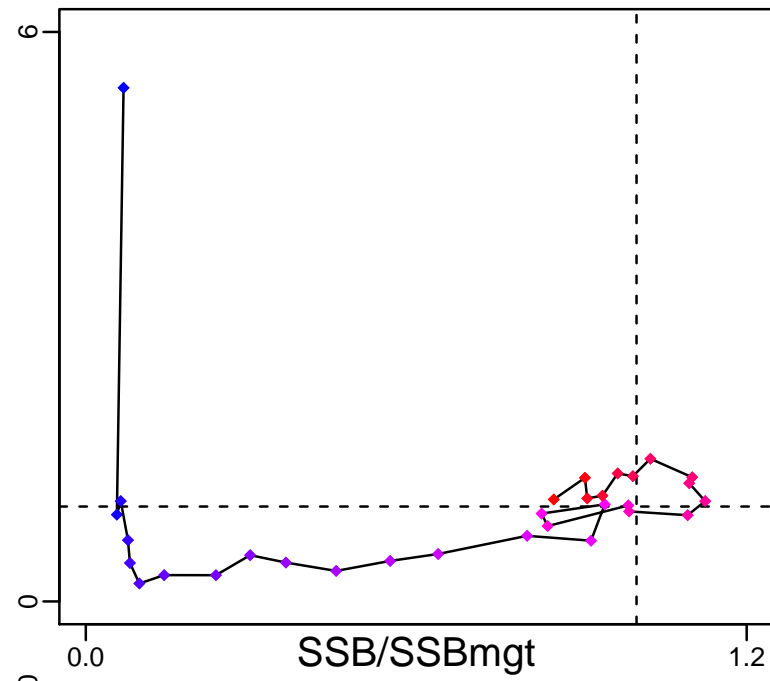
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2012	72,380
Fmgt	Fmgt-1/yr	2012	0.18
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	61,500	Females	4+
TN	TN-E00	2012	2.15×10^8	-	-
R	R-E00	2012	1.44×10^8	-	1
F	F-1/yr	2012	0	-	-
ER	ER-calc-ratio	2012	0	-	-
TC	TC-E00	2012	3,600,000		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2012	0.85		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	1.07		
ER/ERmgt	-	-	-		

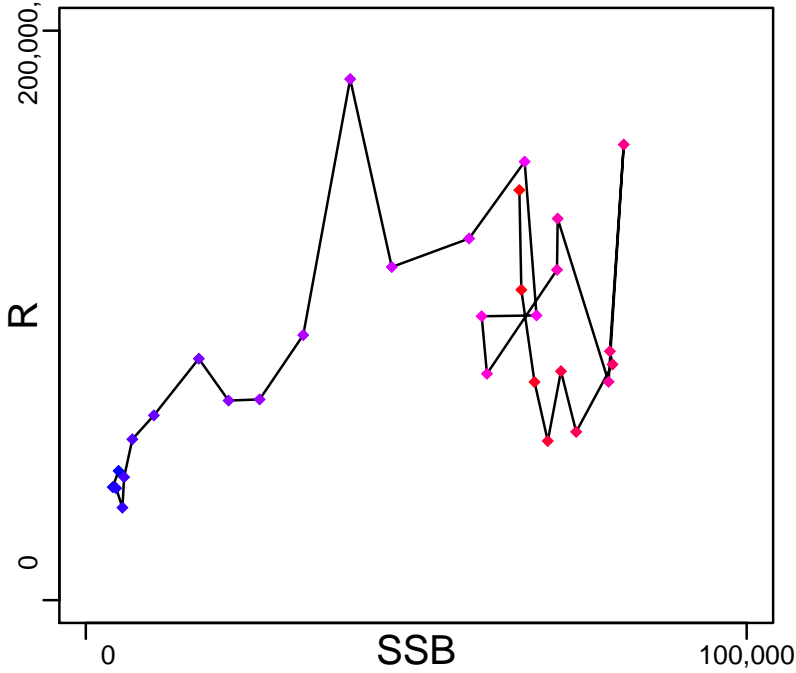
Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]

Kobe MSYpref (1981–2012–HIVELY)

Kobe MGTpref (1981–2012–HIVELY)



Spawner Recruit (1981–2012–HIVELY)

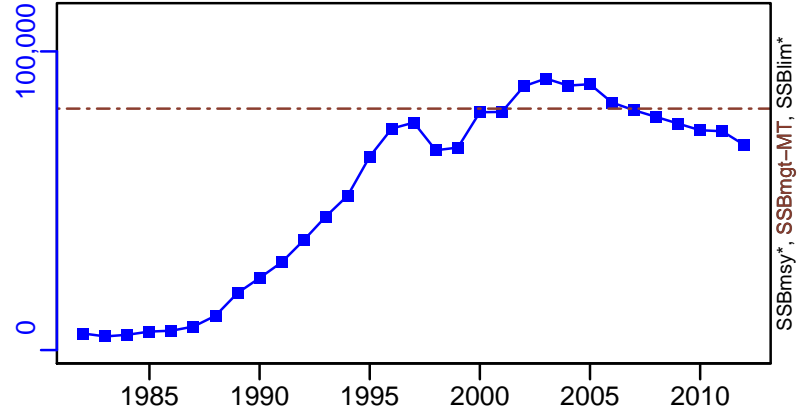
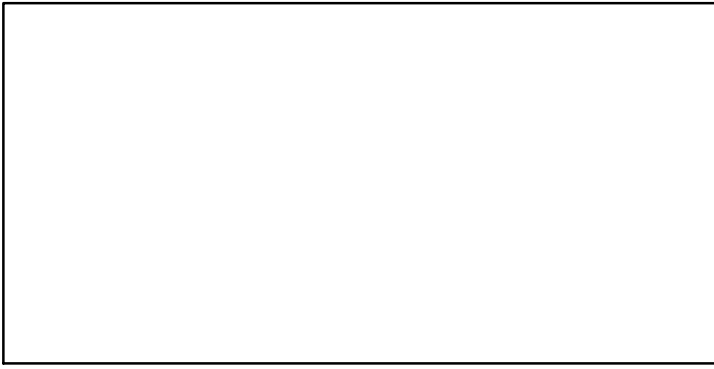


◆ Start Year ◆ End Year * No Data

Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]

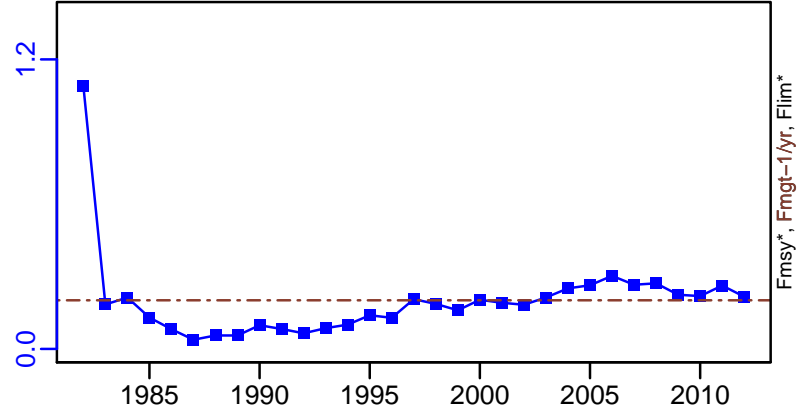
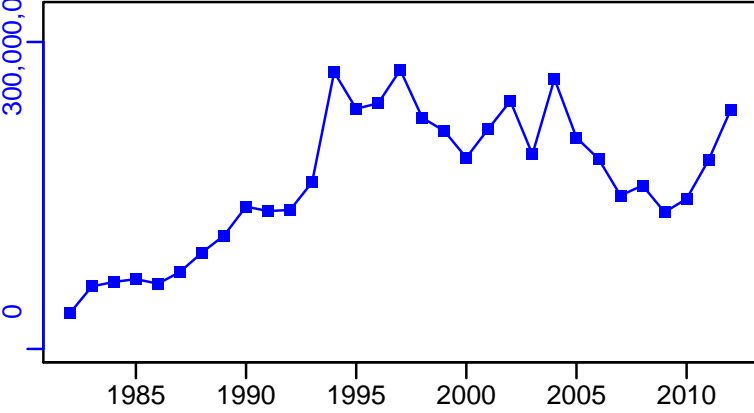
TB*

SSB-MT (1981-2012-HIVELY)



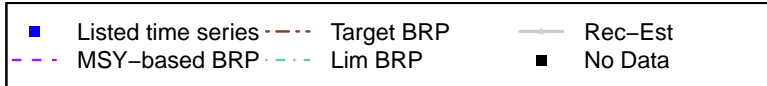
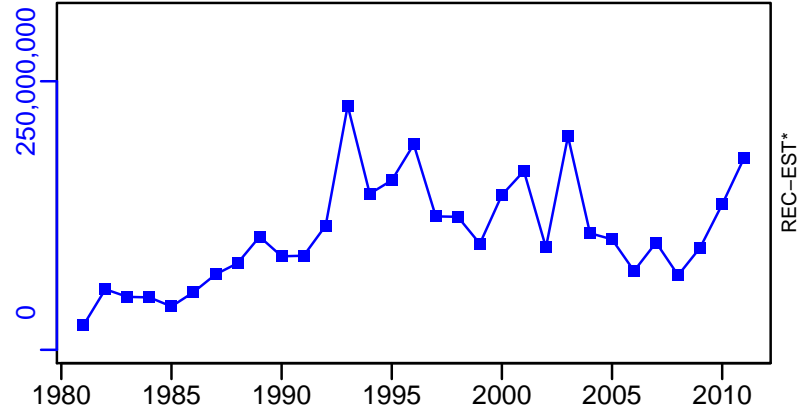
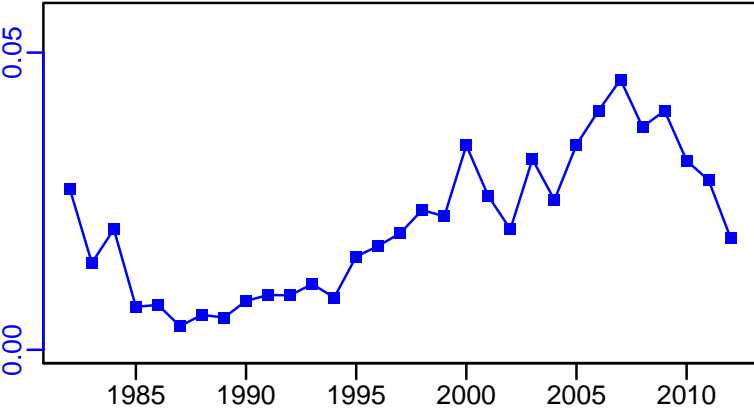
TN-E00 (1981-2012-HIVELY)

F-1/yr (1981-2012-HIVELY)



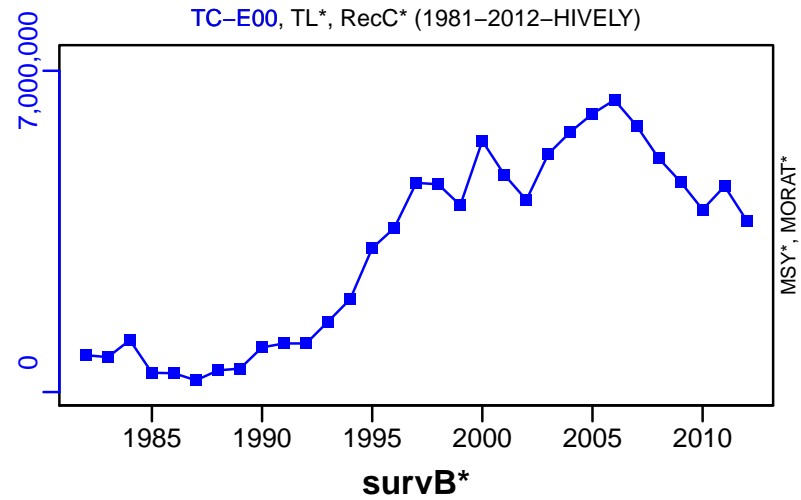
ER-calc-ratio (1981-2012-HIVELY)

R-E00 (1981-2012-HIVELY)

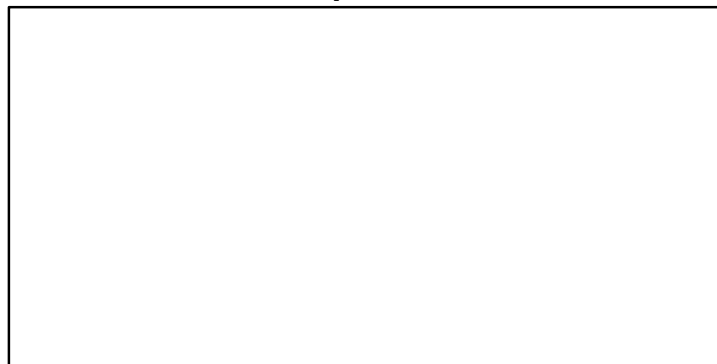


Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]

TC-E00, TL*, RecC* (1981-2012-HIVELY)



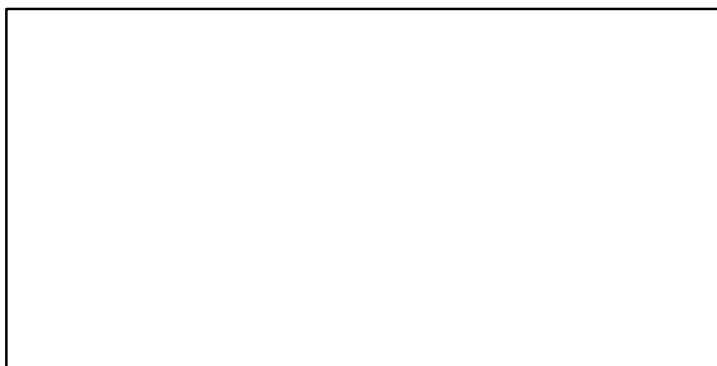
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]

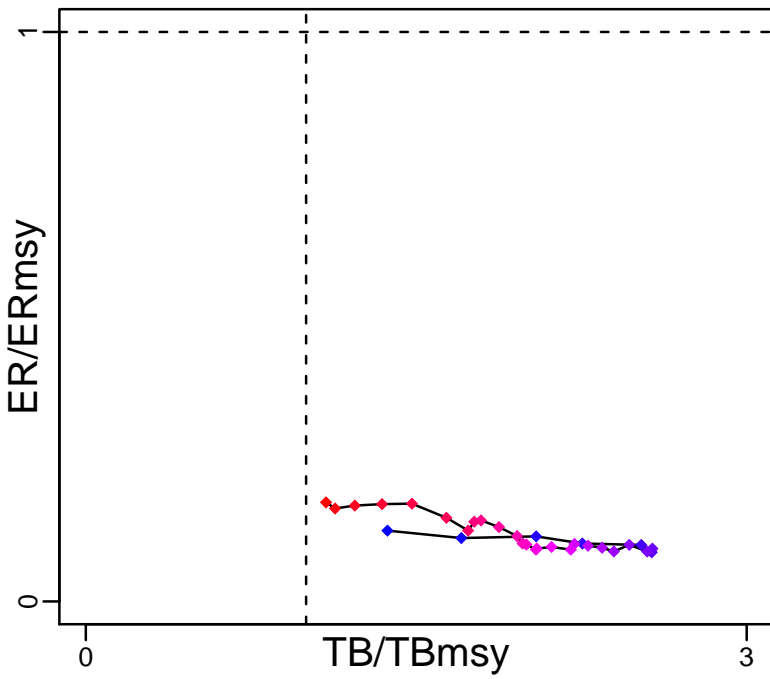
Metadata	
Scientific Name	Spisula solidissima
Current Assess ID	NEFSC-SURFMATLC-1982-2011-SISIMP2016
Area	Mid-Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2008, 2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2011	972,000
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2011	0.15
ERmsy	ERmsy-calc-ratio	2011	0.1
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2011	98,000
M	M-1/yr	2008	0.15
TBlim	TBlim-MT	2011	486,000
SSBlim	-	-	-
Flim	Flim-1/yr	2011	0.15
ERlim	-	-	-

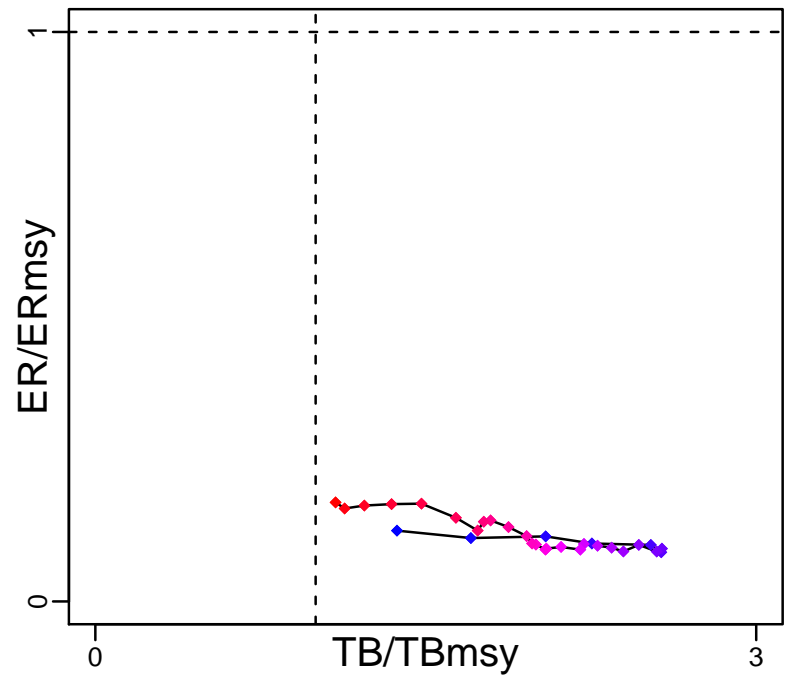
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	1,060,000	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-MT	2011	2,090,000	-	-
F	F-1/yr	2011	0	-	-
ER	ER-calc-ratio	2011	0	-	-
TC	TC-MT	2011	18,600		
TL	TL-MT	2008	22,500		
TB/TBmsy	TB-MT/TBmsy-MT	2011	1.09		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2011	0.18		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2011	0.17		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]

Kobe MSY_{pref} (1982–2011–SISIMP2016)



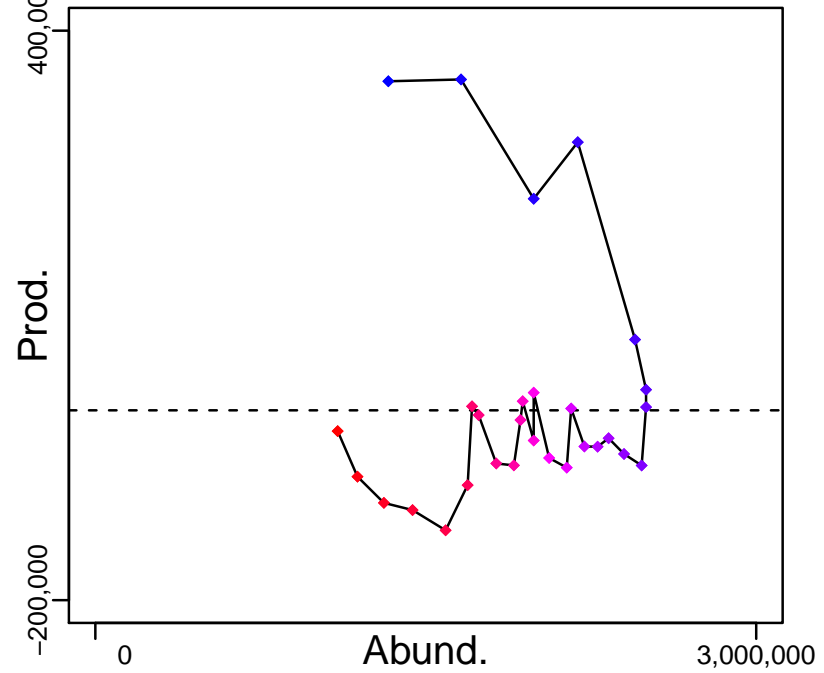
Kobe MGT_{pref} (1982–2011–SISIMP2016)



Spawner Recruit*



Production (1982–2011–SISIMP2016)

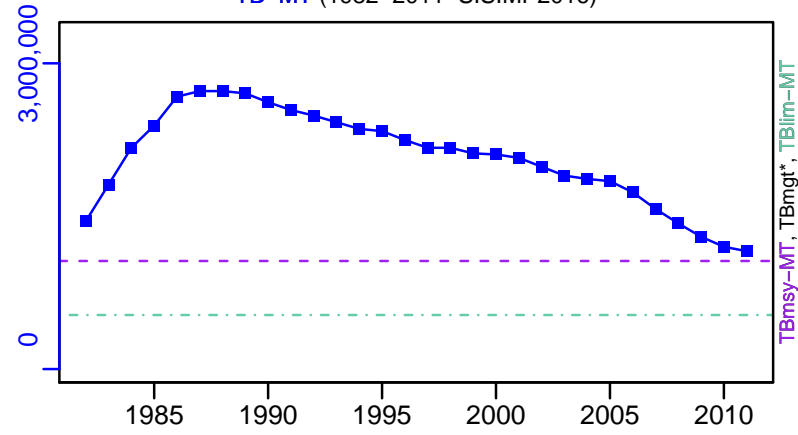


◆ Start Year ◆ End Year * No Data

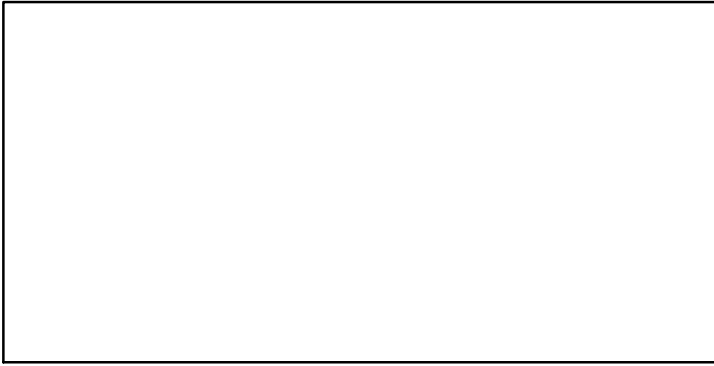
Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]

TB-MT (1982-2011-SISIMP2016)

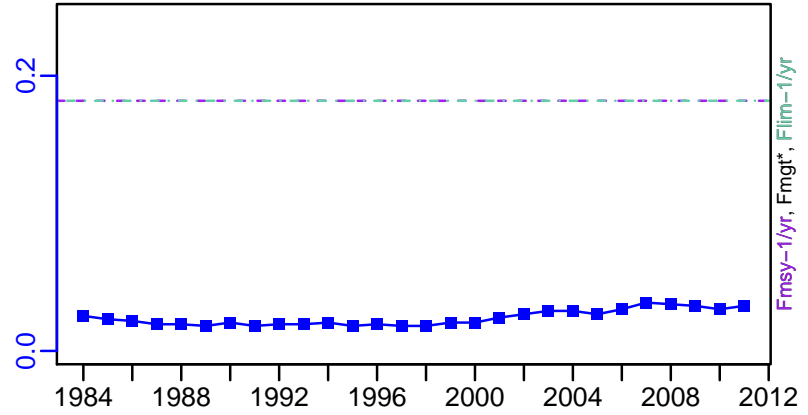
SSB*



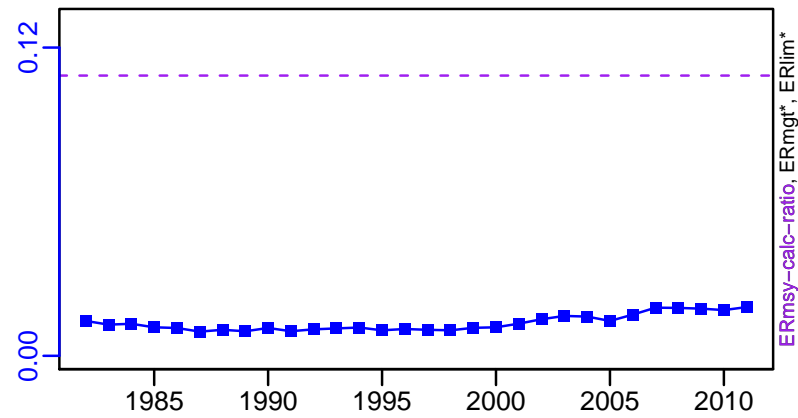
TN *



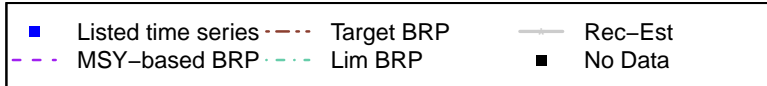
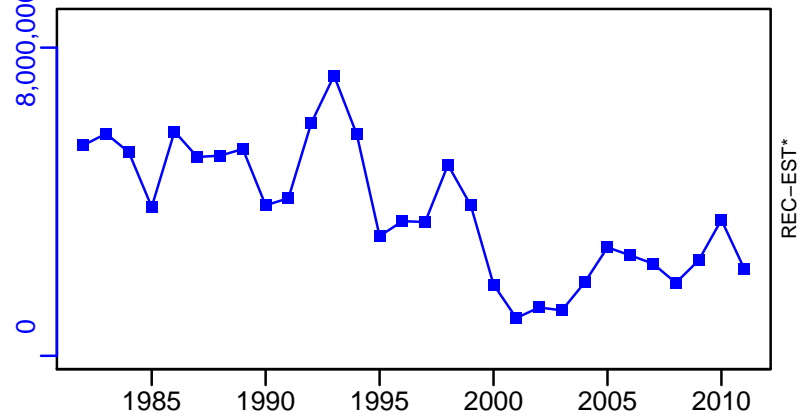
F-1/yr (1982-2011-SISIMP2016)



ER-calc-ratio (1982-2011-SISIMP2016)



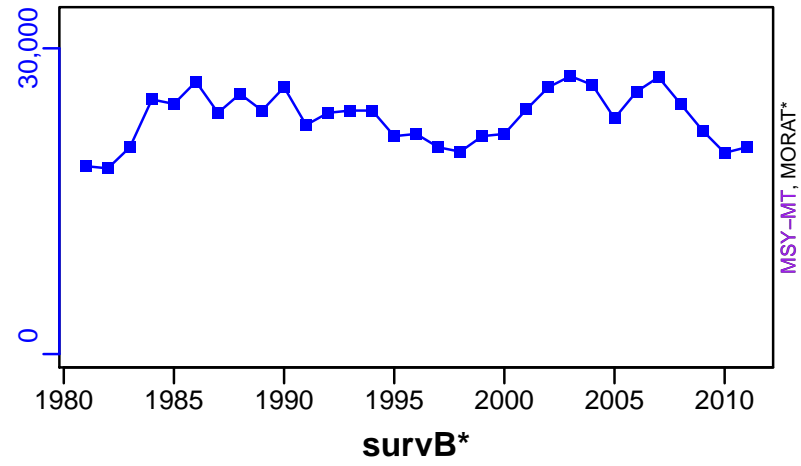
R-MT (1982-2011-SISIMP2016)



Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]

TC-MT, TL*, RecC* (1982-2011-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Tilefish Mid-Atlantic Coast [TILEMATLC]

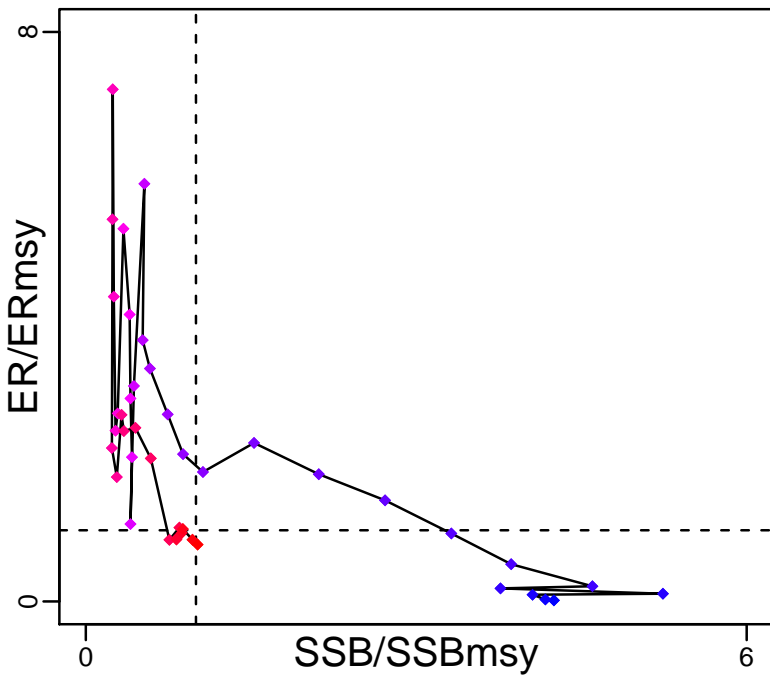
Metadata	
Scientific Name	Lopholatilus chamaeleonticeps
Current Assess ID	NEFSC-TILEMATLC-1915-2012-HIVELY
Area	Mid-Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-pr-MT	2012	5153
Fmsy	Fmsy-pr-1/yr	2012	0.37
ERmsy	ERmsy-conv-ratio	2012	0.12
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2012	1029
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

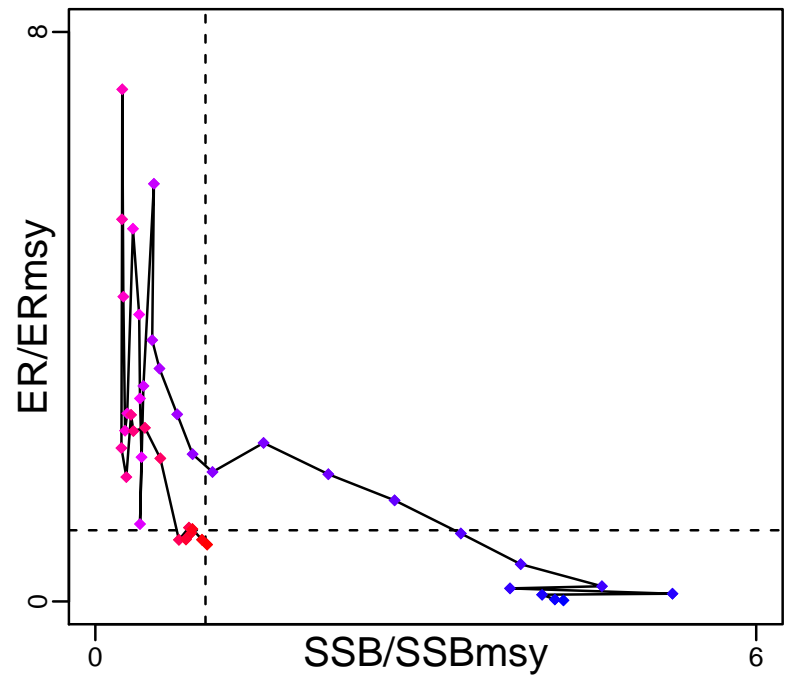
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	5230	-	-
TN	-	-	-	-	-
R	R-E00	2012	751,000	-	-
F	F-1/yr	2012	0	-	-
ER	ER-calc-ratio	2012	0	-	-
TC	-	-	-		
TL	TL-MT	2012	834		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2012	1.01		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2012	0.74		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2012	0.8		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Tilefish Mid-Atlantic Coast [TILEMATLC]

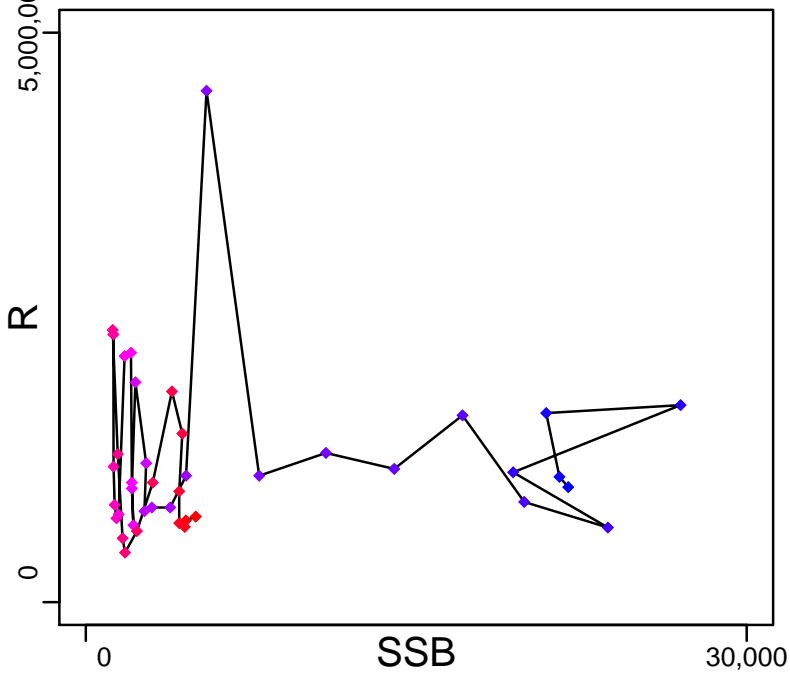
Kobe MSYpref (1915–2012–HIVELY)



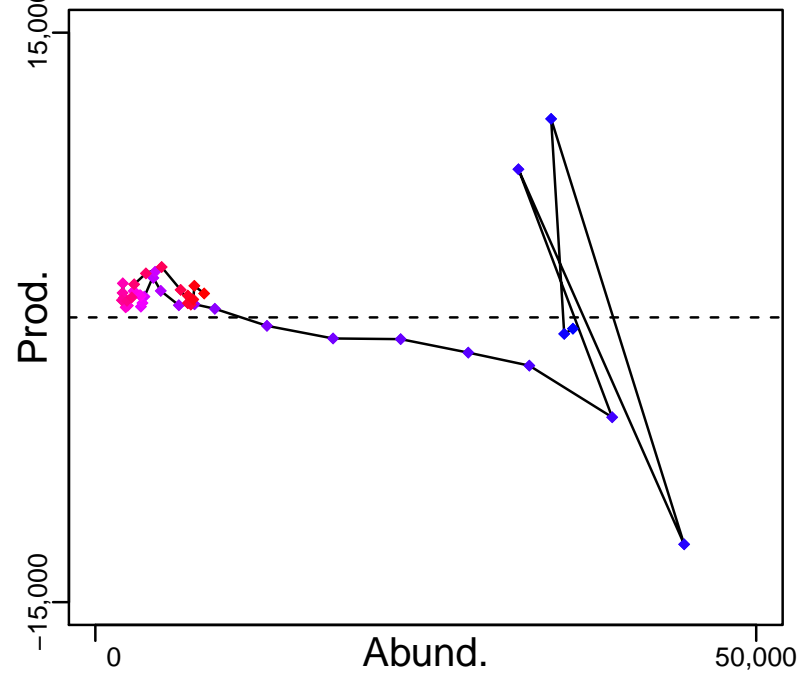
Kobe MGTpref (1915–2012–HIVELY)



Spawner Recruit (1915–2012–HIVELY)



Production (1915–2012–HIVELY)



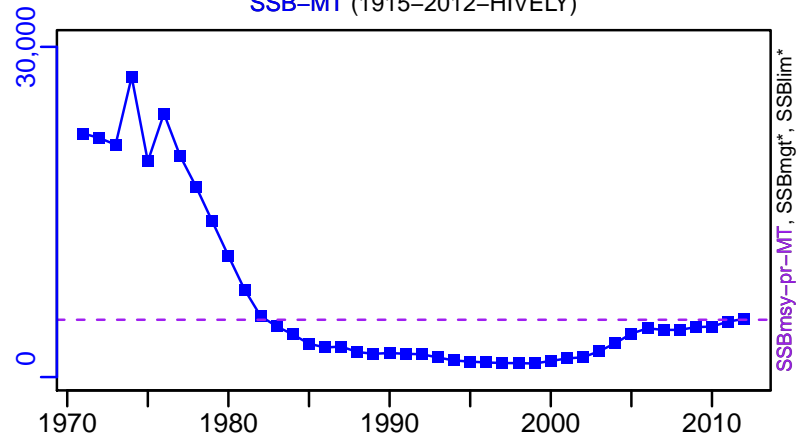
◆ Start Year ◆ End Year * No Data

Tilefish Mid-Atlantic Coast [TILEMATLC]

TB*



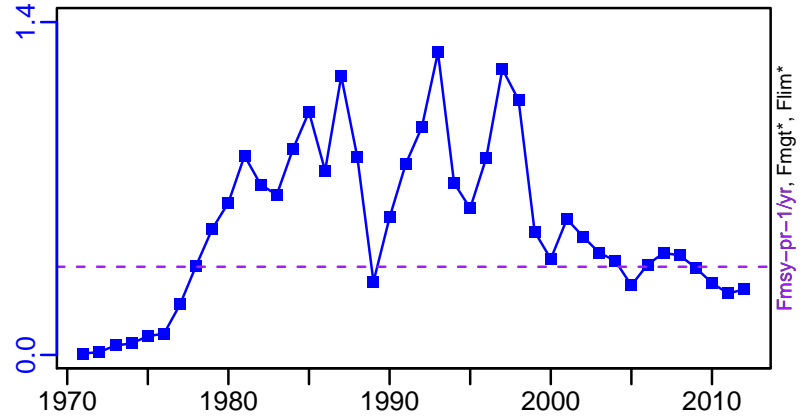
SSB-MT (1915-2012-HIVELY)



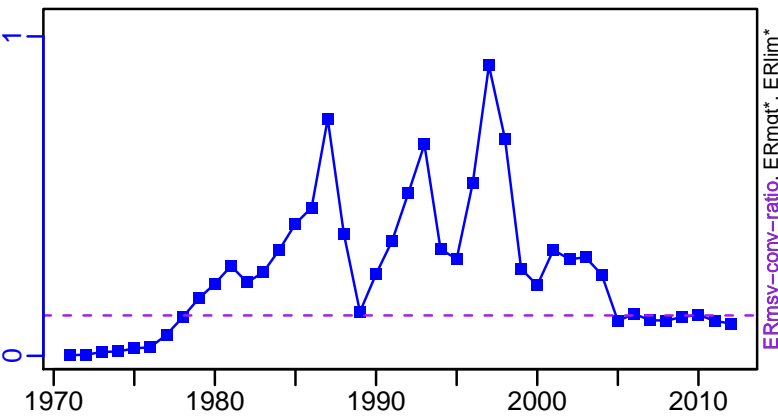
TN *



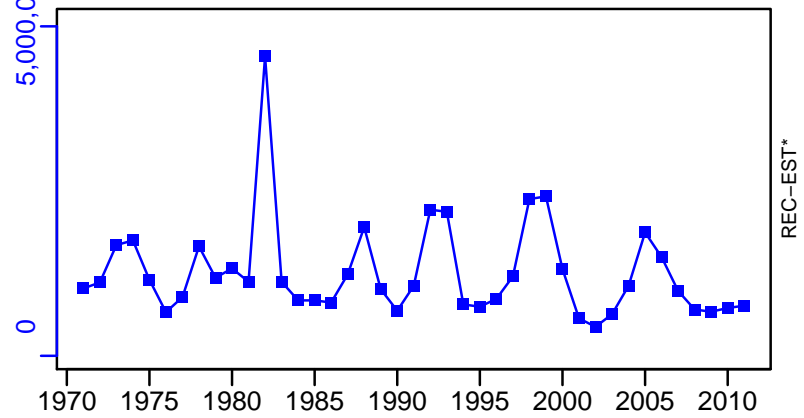
F-1/yr (1915-2012-HIVELY)



ER-calc-ratio (1915-2012-HIVELY)



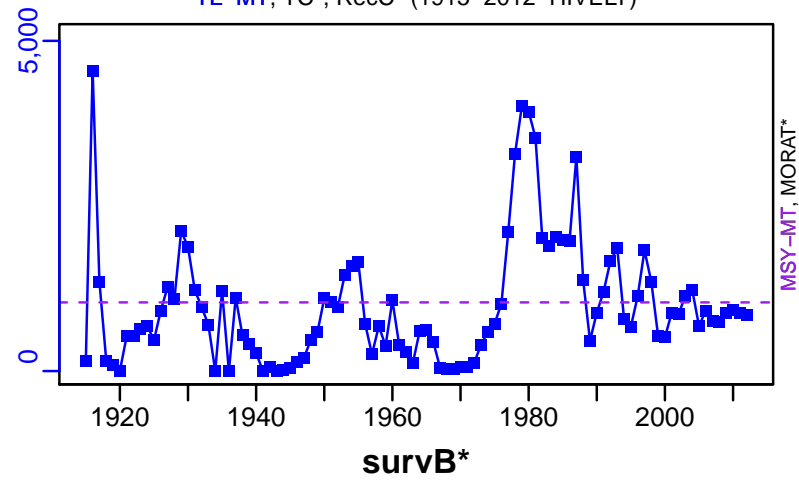
R-E00 (1915-2012-HIVELY)



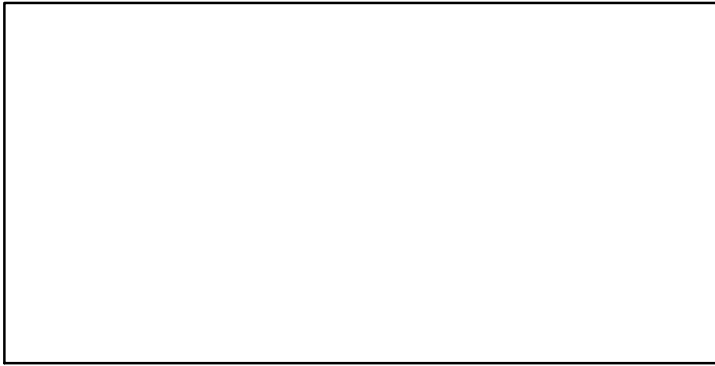
Tilefish Mid-Atlantic Coast [TILEMATLC]

TL-MT, TC*, RecC* (1915-2012-HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*



**Thorny skate Gulf of Marine / Georges Bank-Southern New England
[TSKAT5YZSNE]**

Metadata	
Scientific Name	Amblyraja radiata
Current Assess ID	NEFSC-TSKAT5YZSNE-1963-2005-SOSEBEE
Area	Gulf of Maine / Georges Bank-Southern New England
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2005

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	-	-	-		
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*



TC*, TL*, RecC*



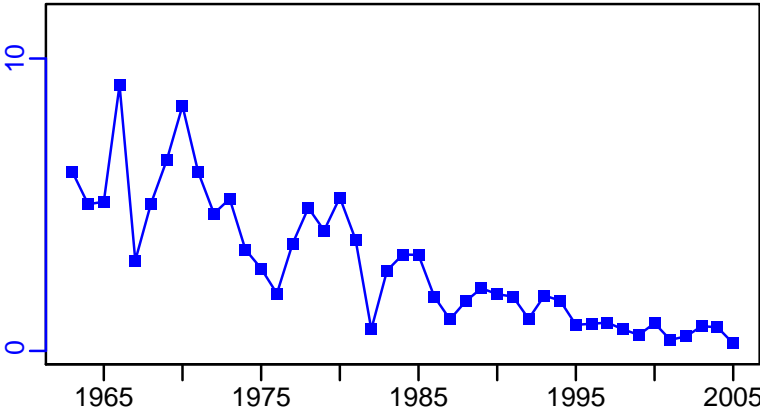
TAC*, Cpair*, Cadv*



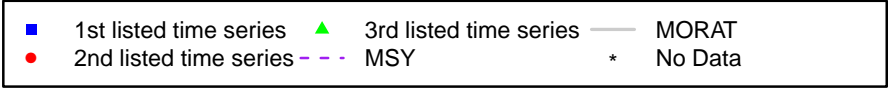
survB*



CPUE–kgpertow (1963–2005–SOSEBEE)



EFFORT*



Weakfish Atlantic Coast [WEAKFISHATLC]

Metadata	
Scientific Name	Cynoscion regalis
Current Assess ID	NEFSC-WEAKFISHATLC-1981-2008-STANTON
Area	Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2008

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-pr-MT	2008	10,179
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2008	0.25
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2008	1330	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2008	0	-	-
TC	TC-MT	2008	899		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2008	0.13		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Weakfish Atlantic Coast [WEAKFISHATLC]

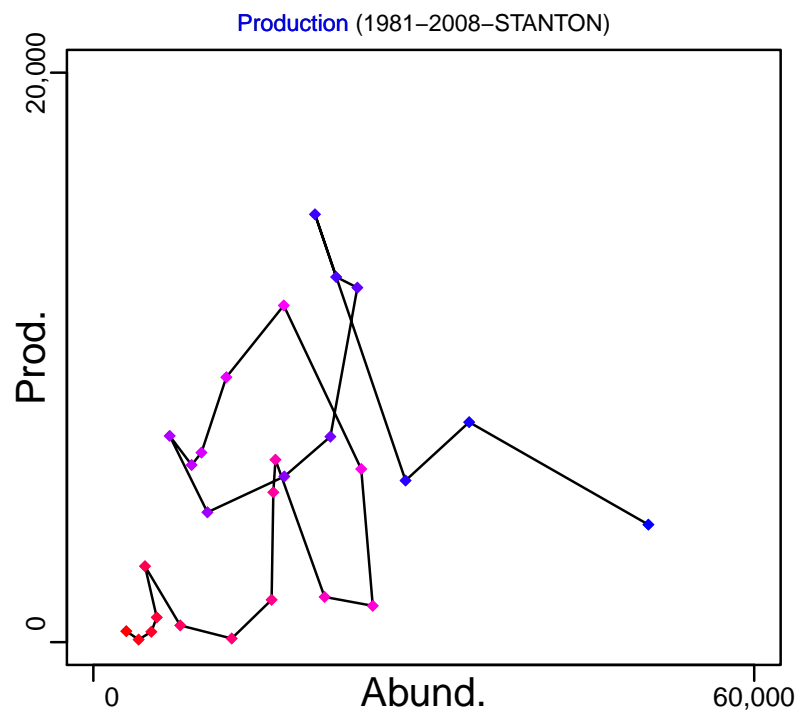
Kobe MSY*



Kobe MGT*



Spawner Recruit*



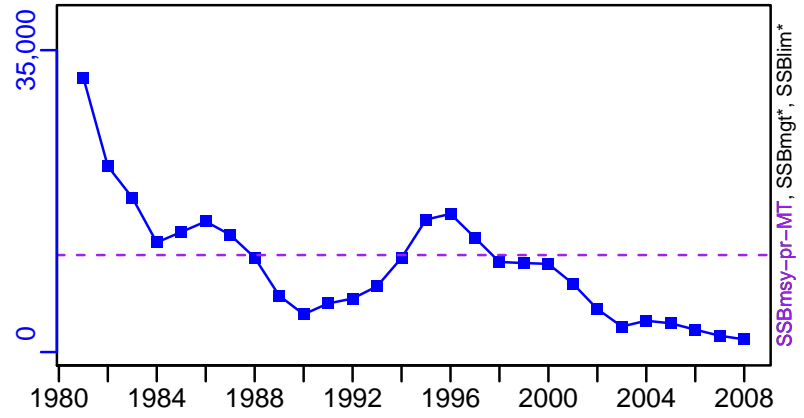
◆ Start Year ◆ End Year * No Data

Weakfish Atlantic Coast [WEAKFISHATLC]

TB*



SSB-MT (1981-2008-STANTON)



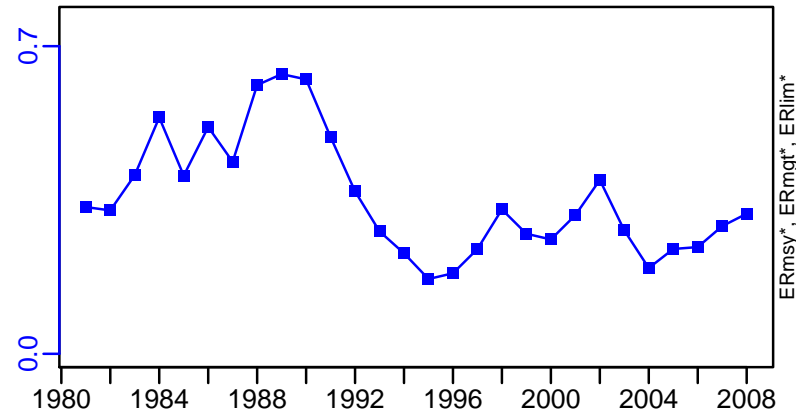
TN *



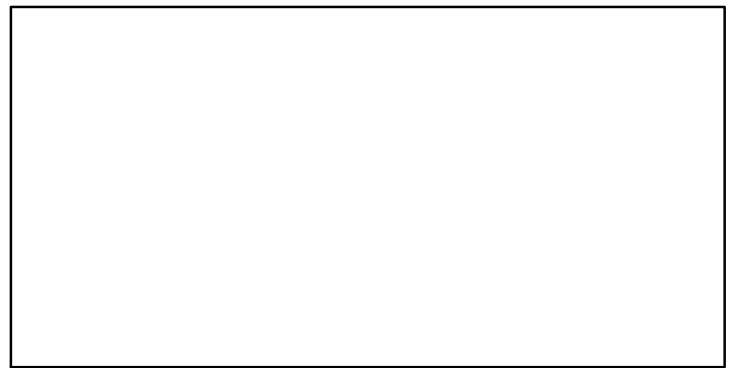
F*



ER-ratio (1981-2008-STANTON)



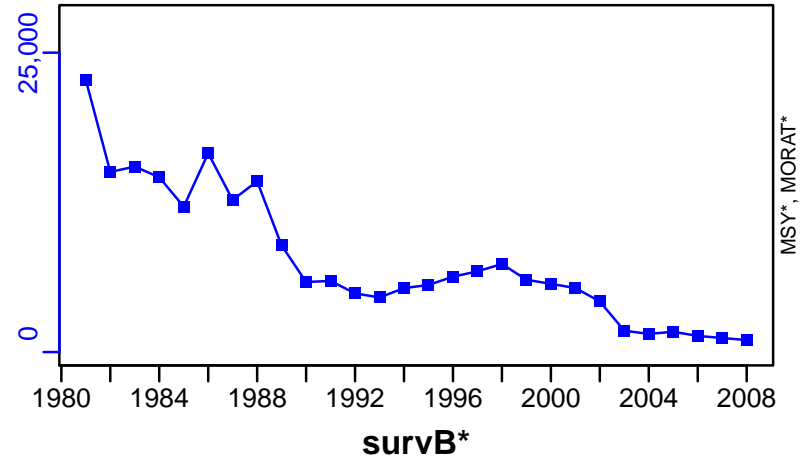
Recruits*



Weakfish Atlantic Coast [WEAKFISHATLC]

TC-MT, TL*, RecC* (1981-2008-STANTON)

TAC*, Cpair*, Cadv*



White hake Georges Bank / Gulf of Maine [WHAKEGBGOM]

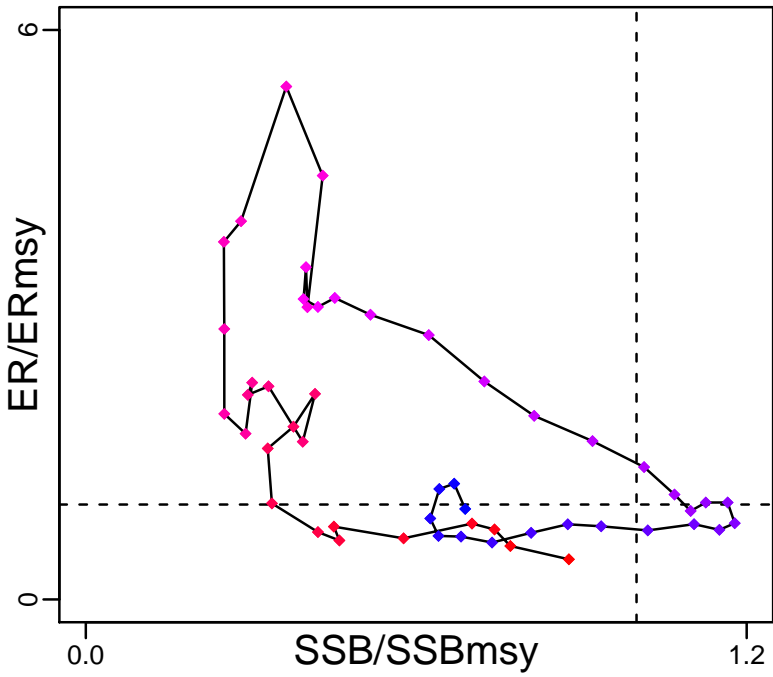
Metadata	
Scientific Name	Urophycis tenuis
Current Assess ID	NEFSC-WHAKEGBGOM-1963-2014-SISIMP2016
Area	Gulf of Maine / Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	32,550
Fmsy	Fmsy-1/yr	2014	0.19
ERmsy	ERmsy-conv-ratio	2014	0.12
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	5422
M	M-1/yr	2011	0.2
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	16,275
Flim	Flim-1/yr	2014	0.19
ERlim	-	-	-

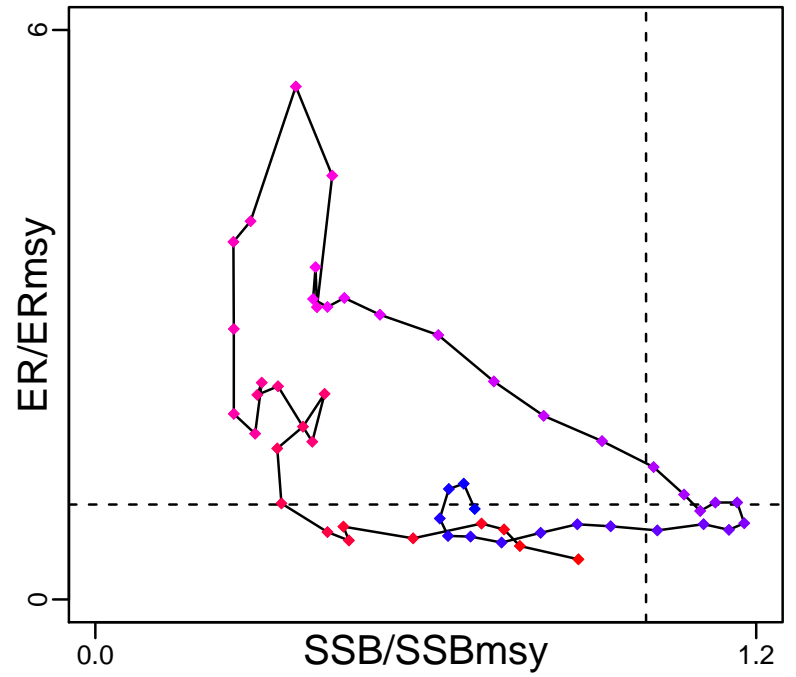
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	31,200	-	-
SSB	SSB-MT	2014	28,600	Both	-
TN	-	-	-	-	-
R	R-E00	2014	1,340,000	-	1
F	F-1/yr	2014	0	-	6 to 9+
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	2010		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.88		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.4		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.42		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

White hake Georges Bank / Gulf of Maine [WHAKEGBGOM]

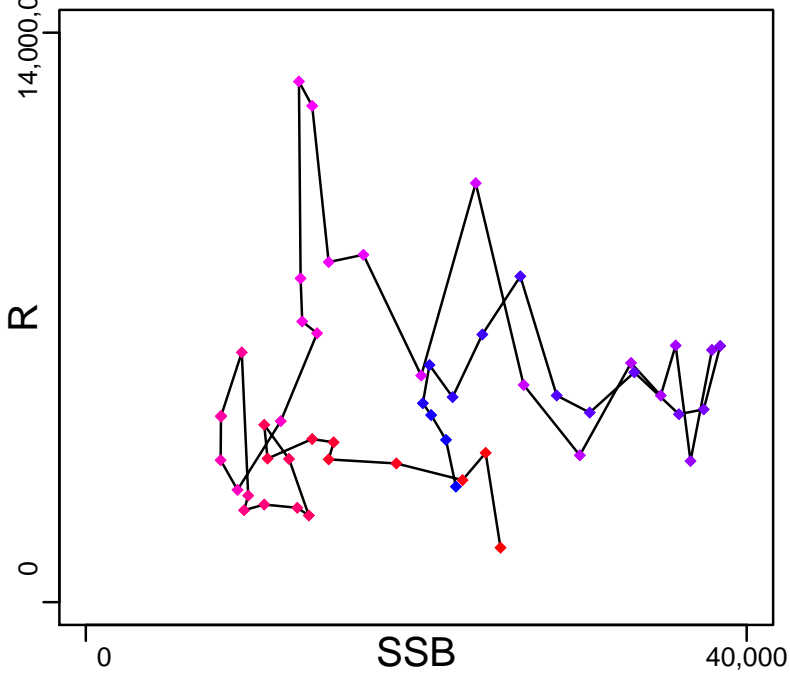
Kobe MSYpref (1963–2014–SISIMP2016)



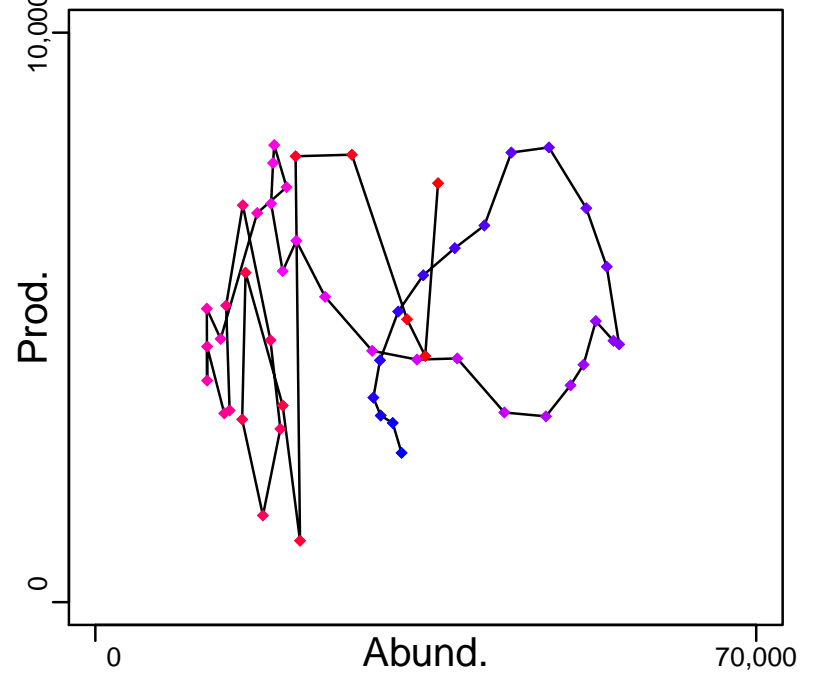
Kobe MGTpref (1963–2014–SISIMP2016)



Spawner Recruit (1963–2014–SISIMP2016)



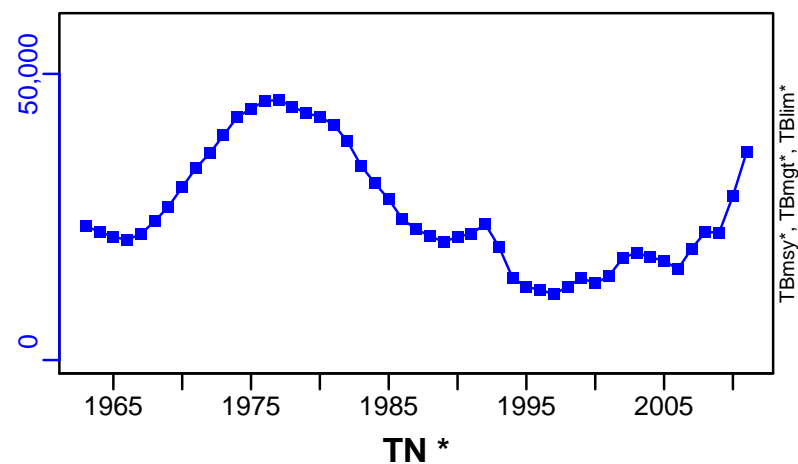
Production (1963–2014–SISIMP2016)



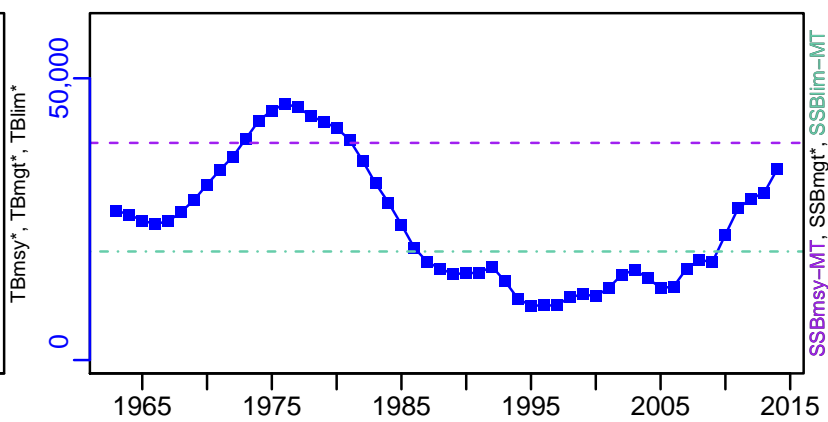
◆ Start Year ◆ End Year * No Data

White hake Georges Bank / Gulf of Maine [WHAKEGBGOM]

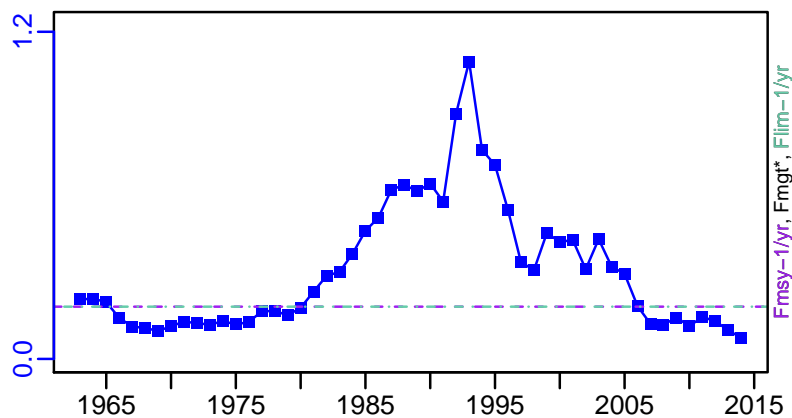
TB-MT (1962–2011–HIVELY)



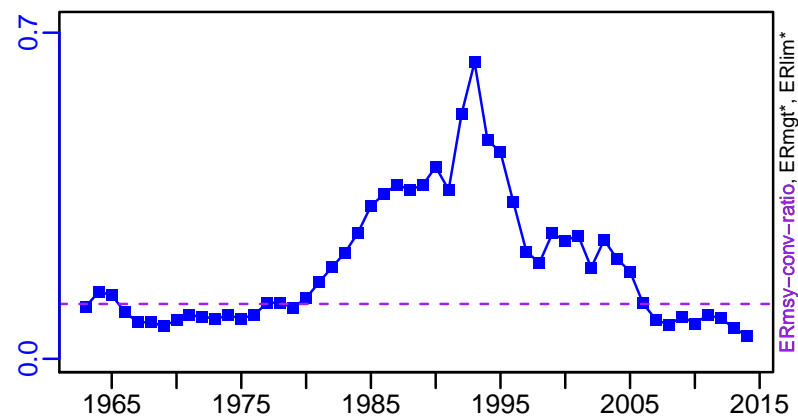
SSB-MT (1963–2014–SISIMP2016)



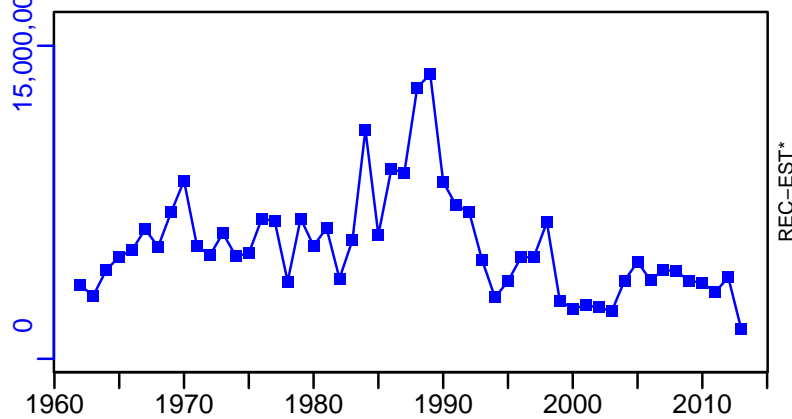
F-1/yr (1963–2014–SISIMP2016)



ER-calc-ratio (1963–2014–SISIMP2016)

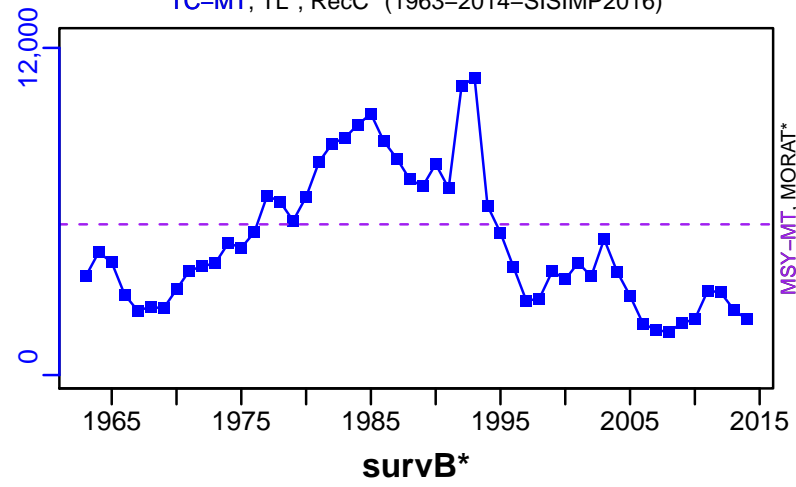


R-E00 (1963–2014–SISIMP2016)



White hake Georges Bank / Gulf of Maine [WHAKEGBGOM]

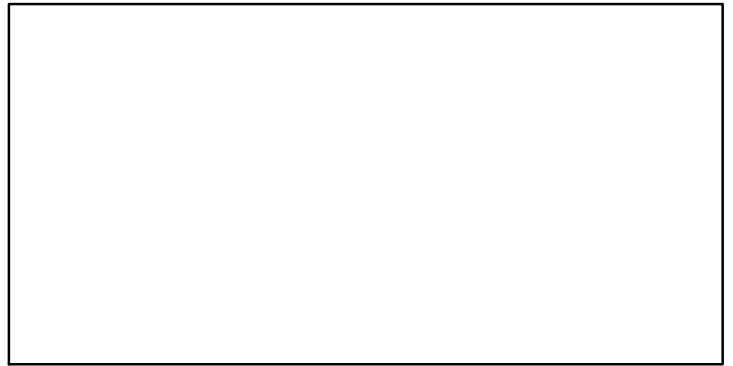
TC-MT, TL*, RecC* (1963-2014-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Windowpane flounder - Gulf of Maine / Georges Bank [WINDOWGOMGB]

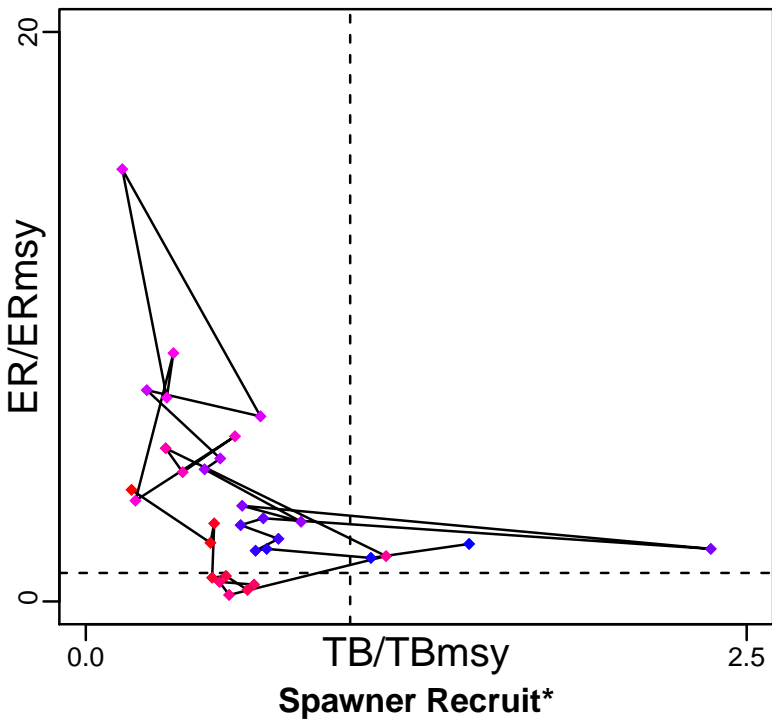
Metadata	
Scientific Name	Scophthalmus aquosus
Current Assess ID	NEFSC-WINDOWGOMGB-1975-2014-SISIMP2016
Area	Gulf of Maine / Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2007, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2007	1400
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2007	0.5
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	700
M	M-1/yr	2007	0.2
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

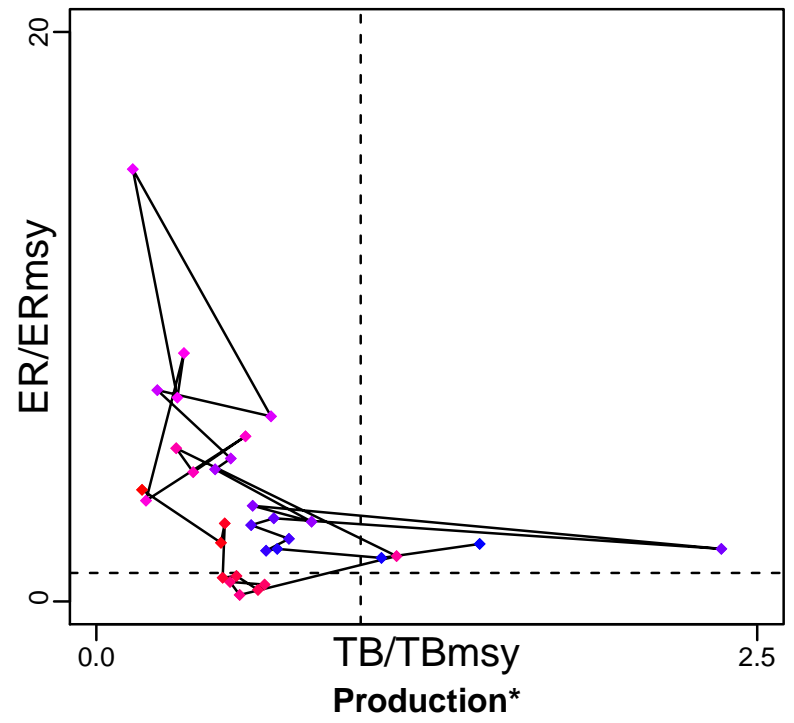
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-relative	2007	0	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2007	2	-	-
TC	TC-MT	2014	210		
TL	TL-MT	2007	119		
TB/TBmsy	TB-relative/TBmsy-relative	2007	0.17		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	3.92		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Windowpane flounder – Gulf of Maine / Georges Bank [WINDOWGOMGB]

Kobe MSYpref (1975–2007–HENDRICKSON)



Kobe MGTpref (1975–2007–HENDRICKSON)

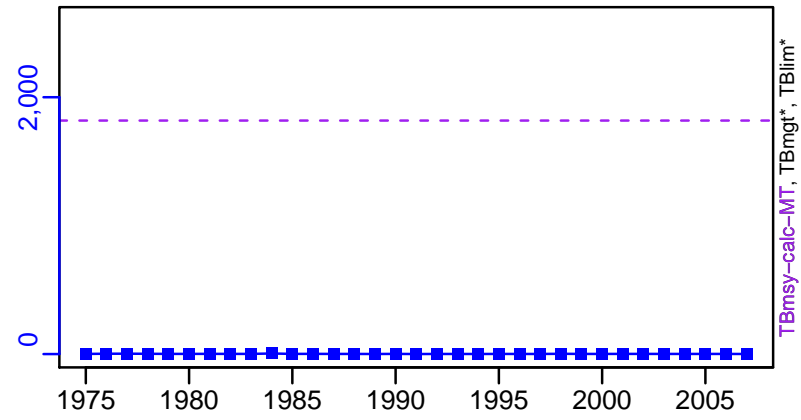


◆ Start Year ◆ End Year * No Data

Windowpane flounder – Gulf of Maine / Georges Bank [WINDOWGOMGB]

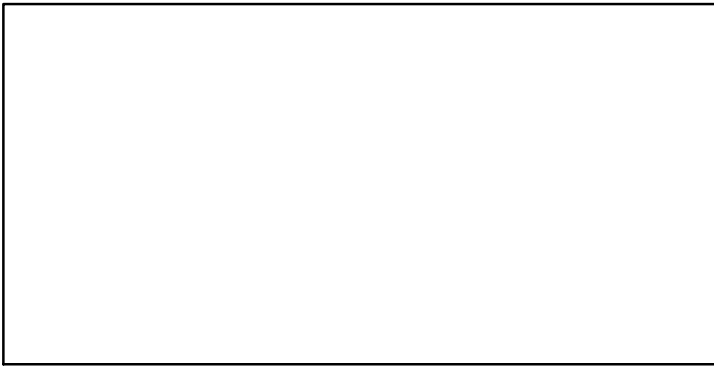
TB-relative (1975–2007–HENDRICKSON)

SSB*



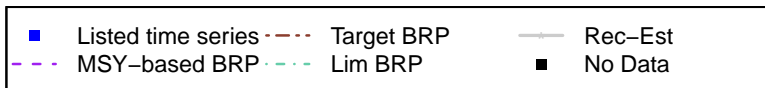
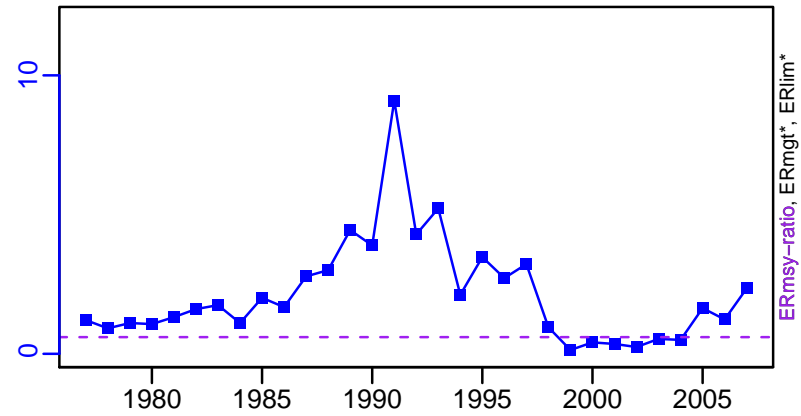
TN *

F*



ER-ratio (1975–2007–HENDRICKSON)

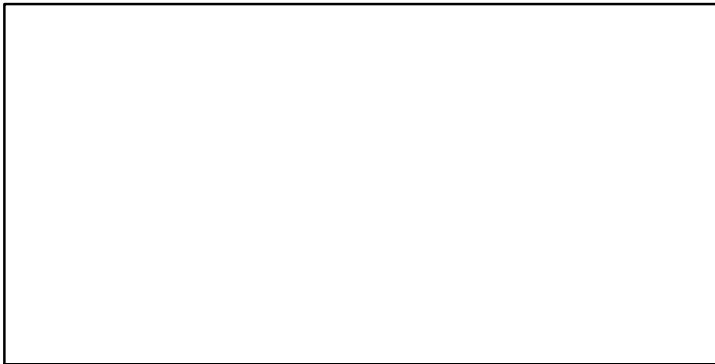
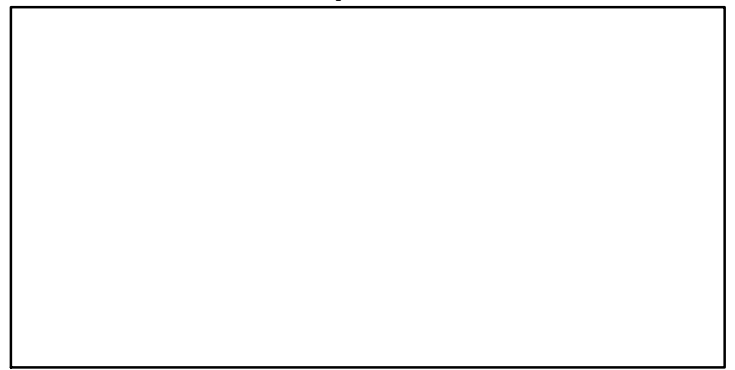
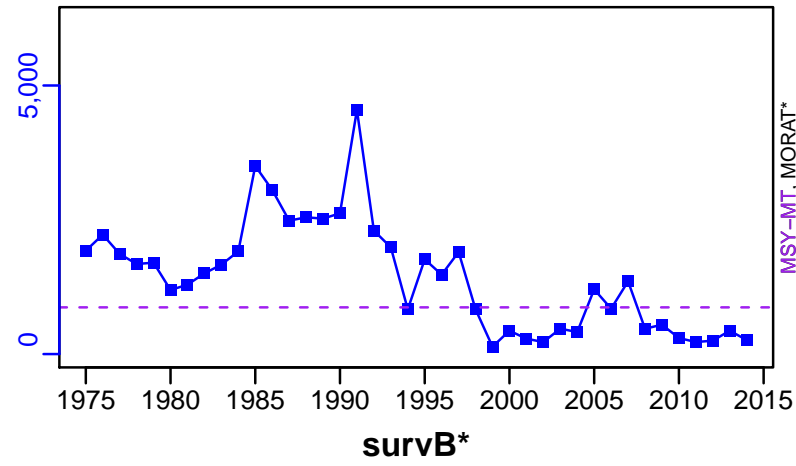
Recruits*



Windowpane flounder – Gulf of Maine / Georges Bank [WINDOWGOMGB]

TC-MT, TL*, RecC* (1975–2014–SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



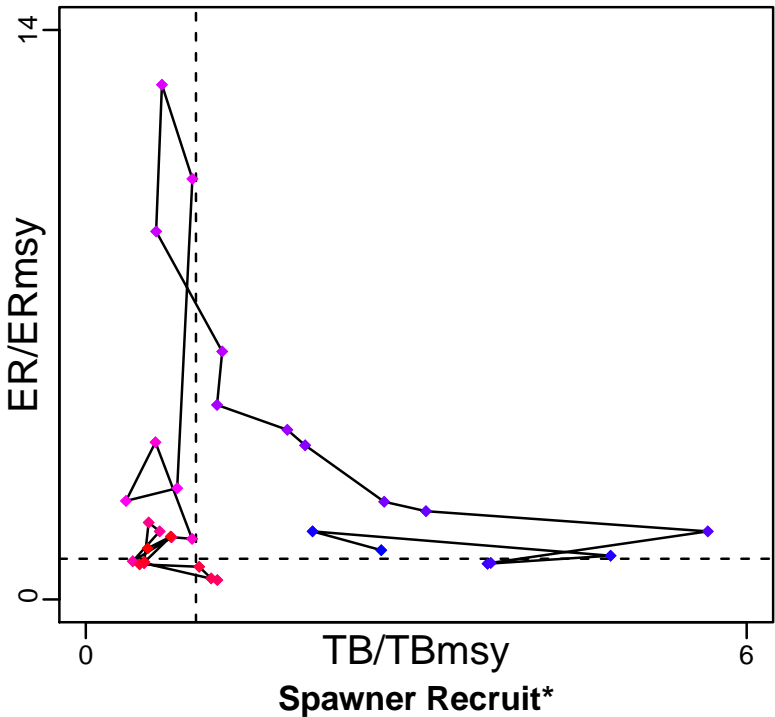
Windowpane Southern New England-Mid Atlantic [WINDOWSNEMATL]

Metadata	
Scientific Name	Scophthalmus aquosus
Current Assess ID	NEFSC-WINDOWSNEMATL-1975-2014-SISIMP2016
Area	Southern New England /Mid Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2007, 2014

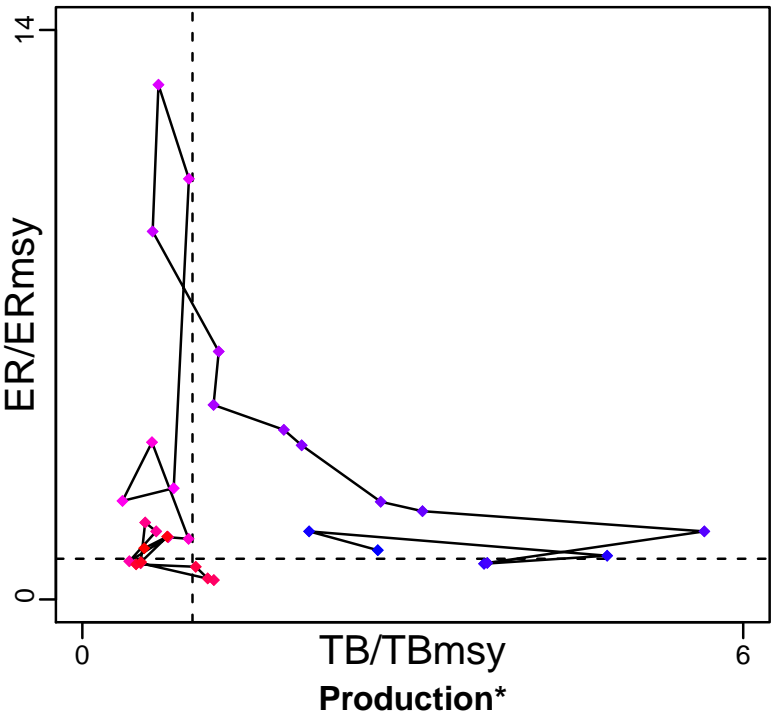
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2007	340
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2007	1.47
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	500
M	M-1/yr	2007	0.2
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-relative	2007	0	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2007	2	-	-
TC	TC-MT	2014	539		
TL	TL-MT	2007	81		
TB/TBmsy	TB-relative/TBmsy-relative	2007	0.56		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	1.26		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSYpref (1975–2007–HENDRICKSON)



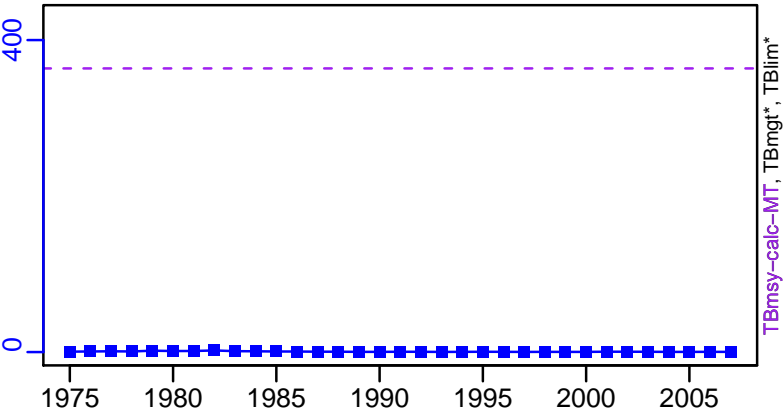
Kobe MGTpref (1975–2007–HENDRICKSON)



◆ Start Year ◆ End Year * No Data

Windowpane Southern New England–Mid Atlantic [WINDOWSNEMATL]

TB–relative (1975–2007–HENDRICKSON)



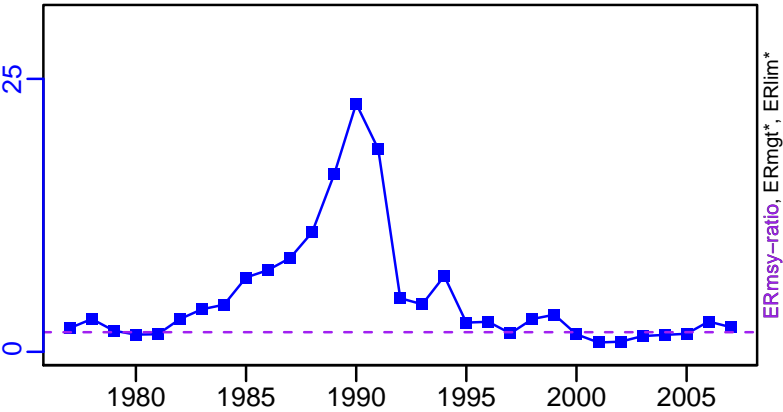
SSB*



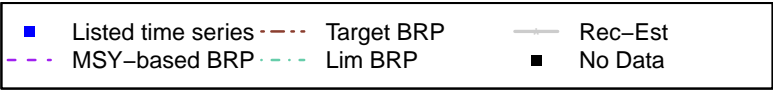
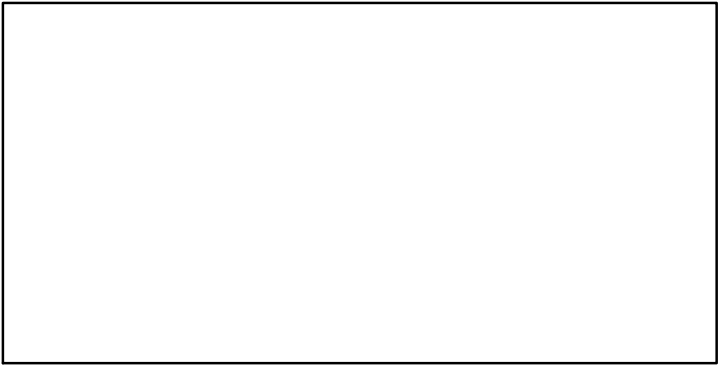
F*



ER–ratio (1975–2007–HENDRICKSON)

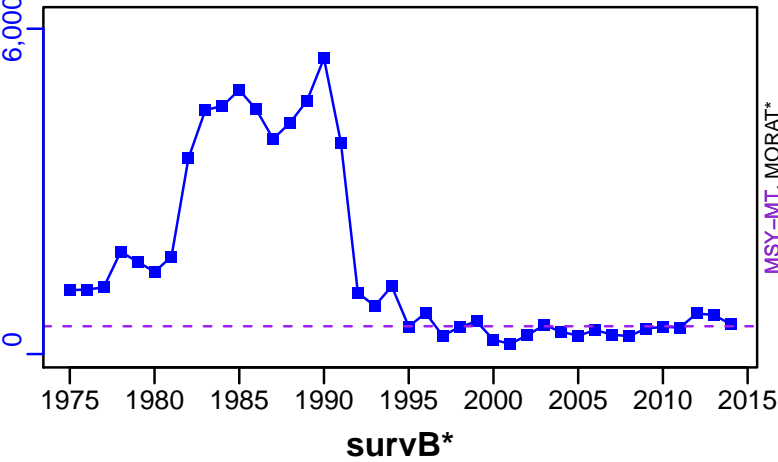


Recruits*



Windowpane Southern New England–Mid Atlantic [WINDOWSNEMATL]

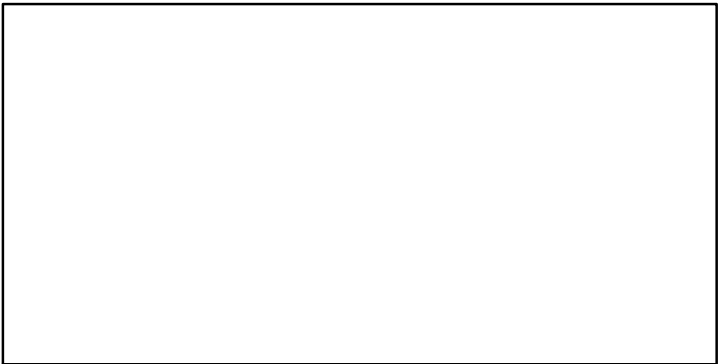
TC–MT, TL*, RecC* (1975–2014–SISIMP2016)



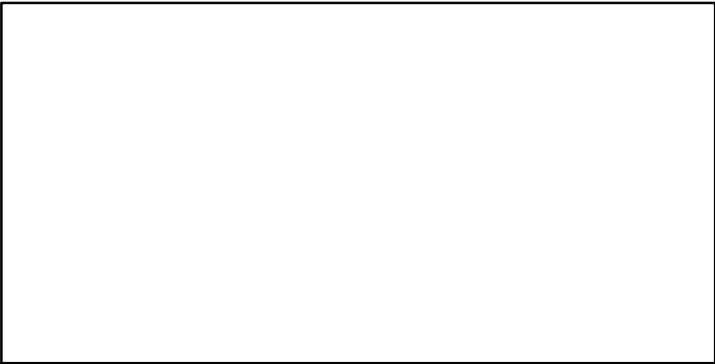
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Winter Flounder NAFO-5Z [WINFLOUN5Z]

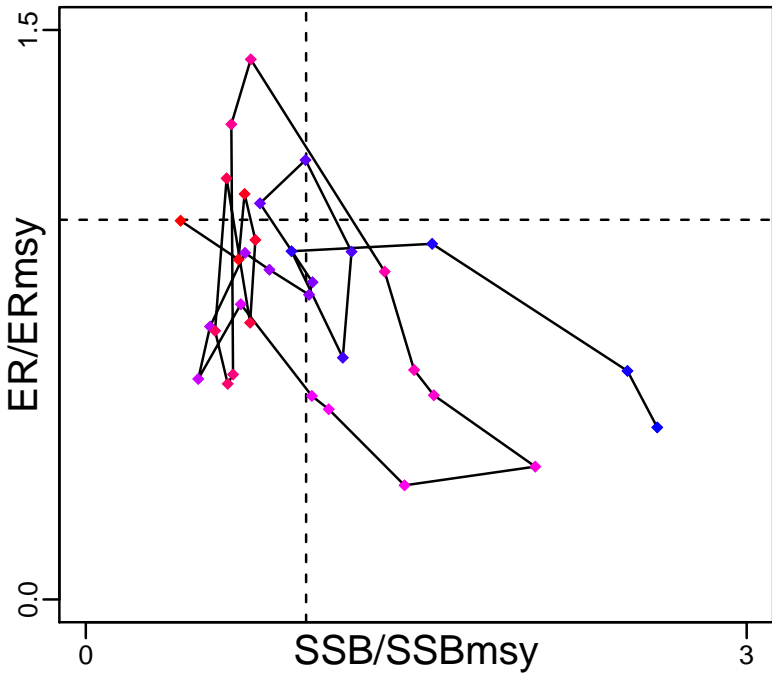
Metadata	
Scientific Name	Pseudopleuronectes americanus
Current Assess ID	NEFSC-WINFLOUN5Z-1982-2014-SISIMP2016
Area	Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	6700
Fmsy	Fmsy-1/yr	2014	0.54
ERmsy	ERmsy-conv-ratio	2014	0.18
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2011	11,800
Fmgt	Fmgt-1/yr	2011	0.32
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	2840
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	3350
Flim	Flim-1/yr	2014	0.54
ERlim	-	-	-

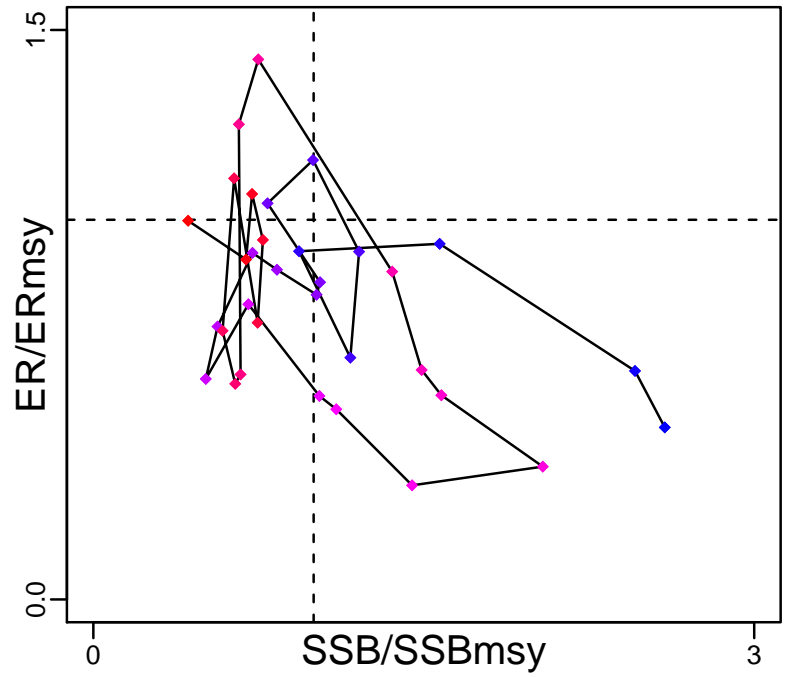
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	2880	-	-
TN	TN-E00	2011	38,600,000	-	-
R	R-E00	2014	6,580,000	-	1
F	F-1/yr	2014	1	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	1220		
TL	TL-MT	2011	1300		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.43		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	1.45		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	1		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2011	0.82		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	0.49		
ER/ERmgt	-	-	-		

Winter Flounder NAFO-5Z [WINFLOUN5Z]

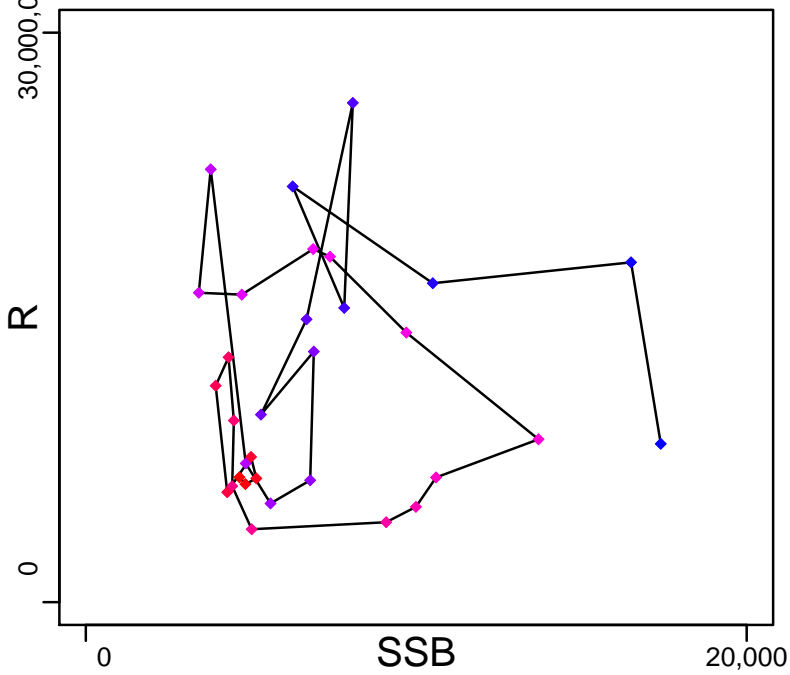
Kobe MSYpref (1982-2014-SISIMP2016)



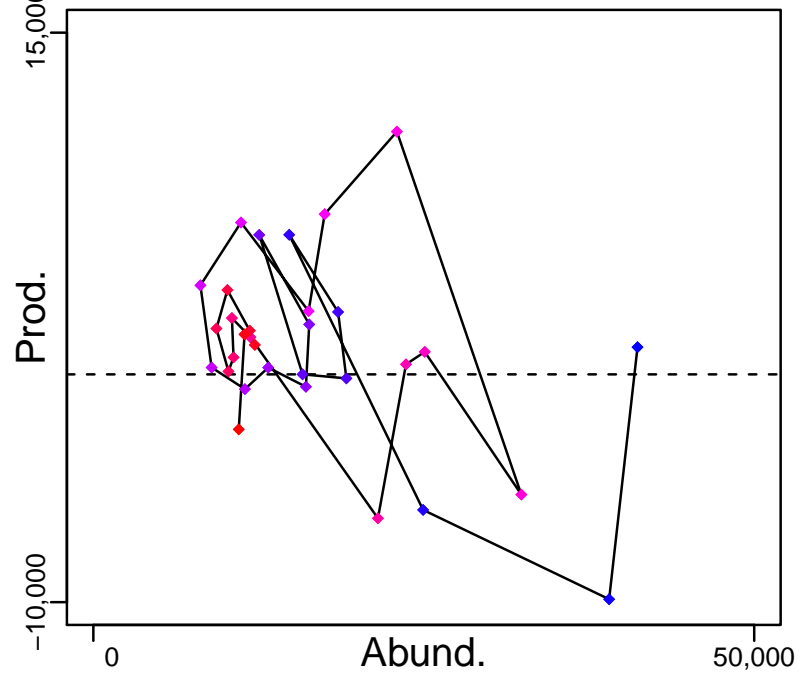
Kobe MGTpref (1982-2014-SISIMP2016)



Spawner Recruit (1982-2014-SISIMP2016)



Production (1982-2014-SISIMP2016)



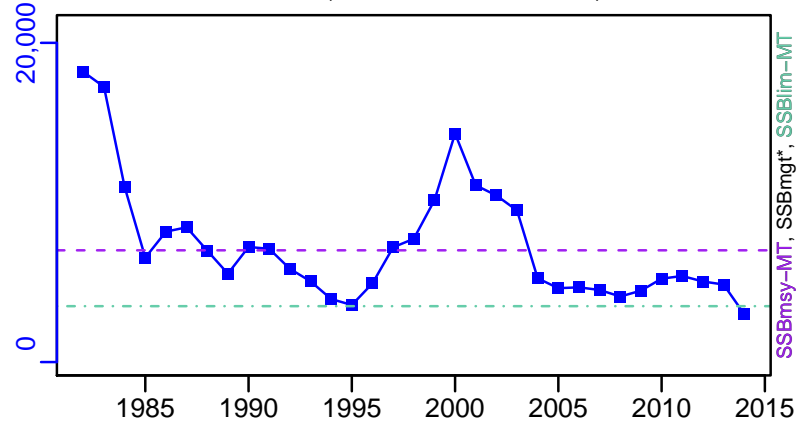
◆ Start Year ◆ End Year * No Data

Winter Flounder NAFO-5Z [WINFLOUN5Z]

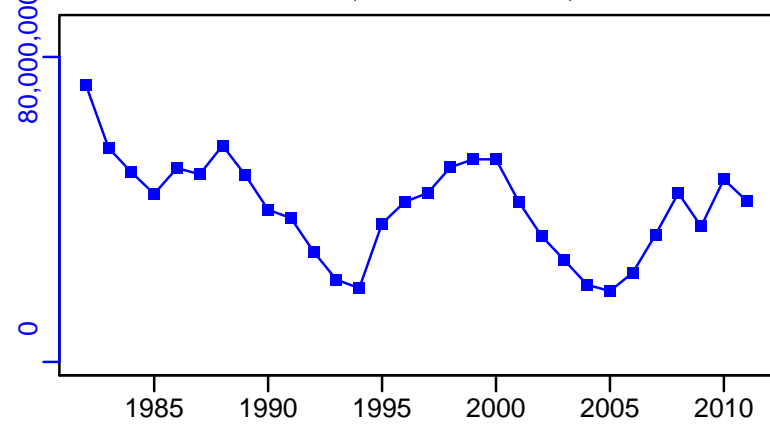
TB*



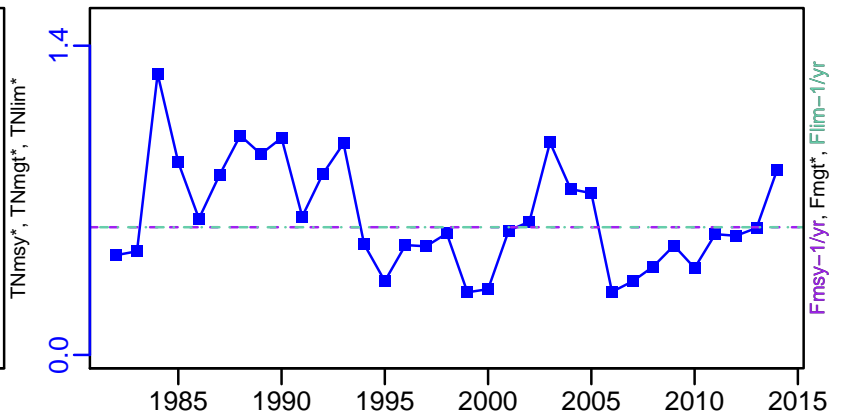
SSB-MT (1982-2014-SISIMP2016)



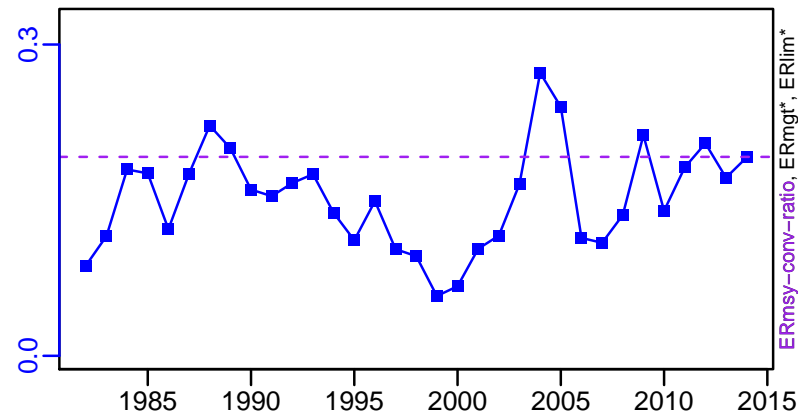
TN-E00 (1964-2011-HIVELY)



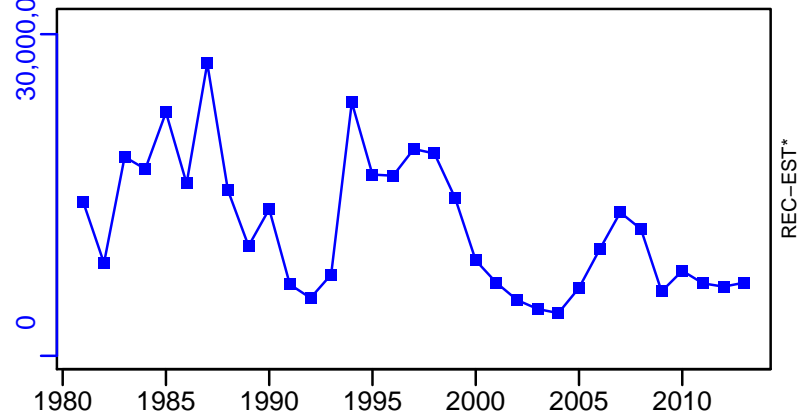
F-1/yr (1982-2014-SISIMP2016)



ER-calc-ratio (1982-2014-SISIMP2016)



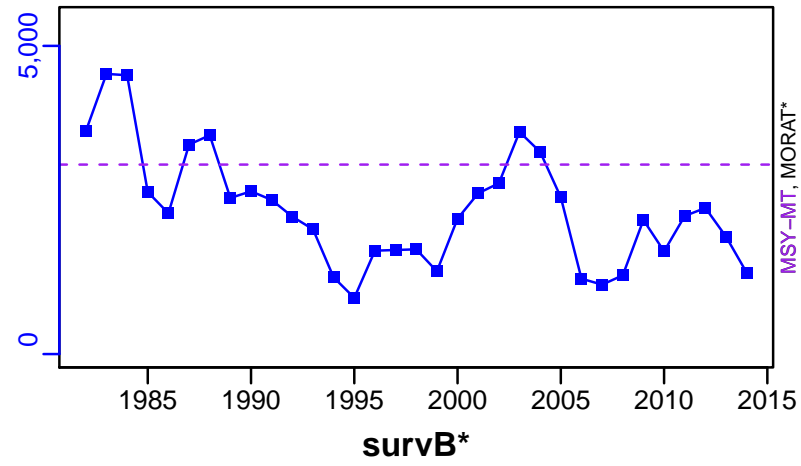
R-E00 (1982-2014-SISIMP2016)



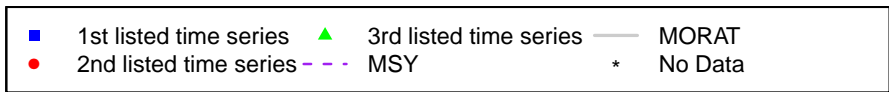
Winter Flounder NAFO-5Z [WINFLOUN5Z]

TC-MT, TL*, RecC* (1982-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Winter Flounder NAFO-5Y [WINFLOUND5Y]

Metadata	
Scientific Name	Pseudopleuronectes americanus
Current Assess ID	NEFSC-WINFLOUND5Y-2009-2014-SISIMP2016
Area	Gulf of Maine
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2008, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2008	0.2
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2014	275		
TL	TL-MT	2008	260		
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

Winter Flounder NAFO-5Y [WINFLOUND5Y]

TB*



SSB*



TN *



F*



ER*



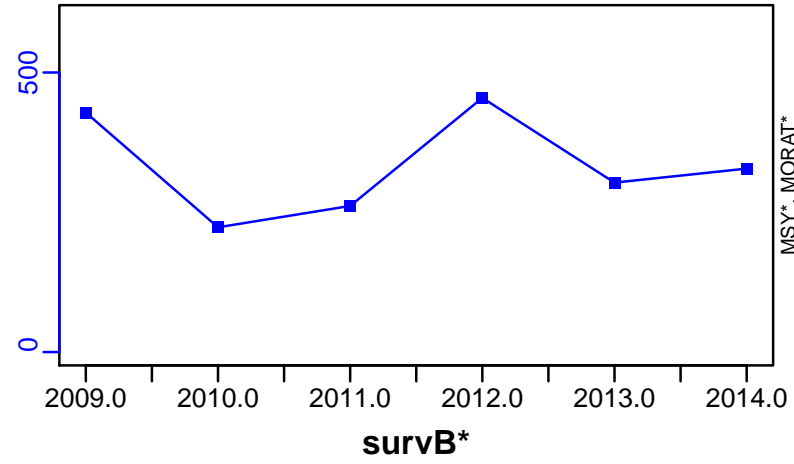
Recruits*



Winter Flounder NAFO-5Y [WINFLOUND5Y]

TC-MT, TL*, RecC* (2009-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Winter Flounder Southern New England-Mid Atlantic [WINFLOUNSNEMATL]

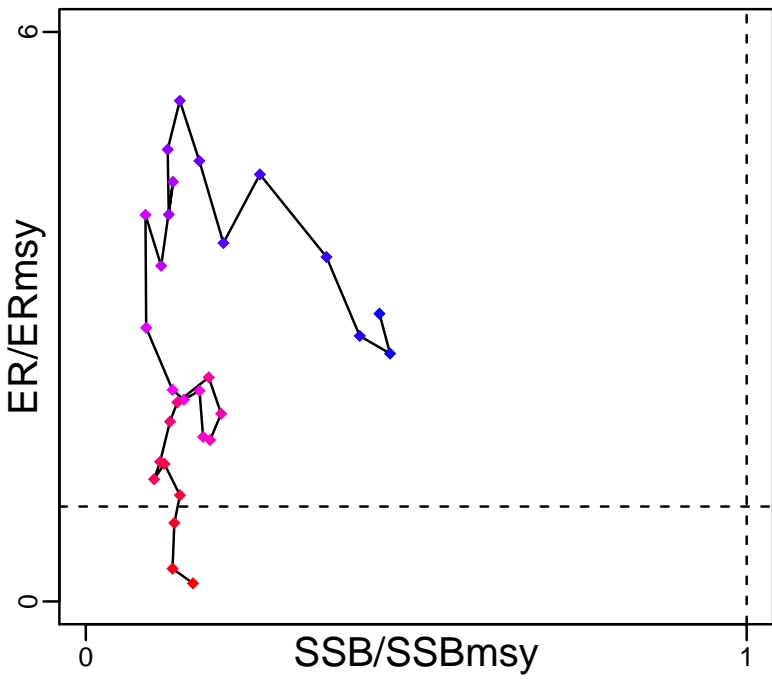
Metadata	
Scientific Name	Pseudopleuronectes americanus
Current Assess ID	NEFSC-WINFLOUNSNEMATL-1980-2013-SISIMP2016
Area	Southern New England /Mid Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2010, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2010	43,661
Fmsy	Fmsy-1/yr	2013	0.32
ERmsy	ERmsy-conv-ratio	2010	0.11
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2010	43,661
Fmgt	Fmgt-1/yr	2010	0.22
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2010	11,728
M	M-1/yr	2010	0.3
TBlim	-	-	-
SSBlim	-	-	-
Flim	Flim-1/yr	2013	0.32
ERlim	-	-	-

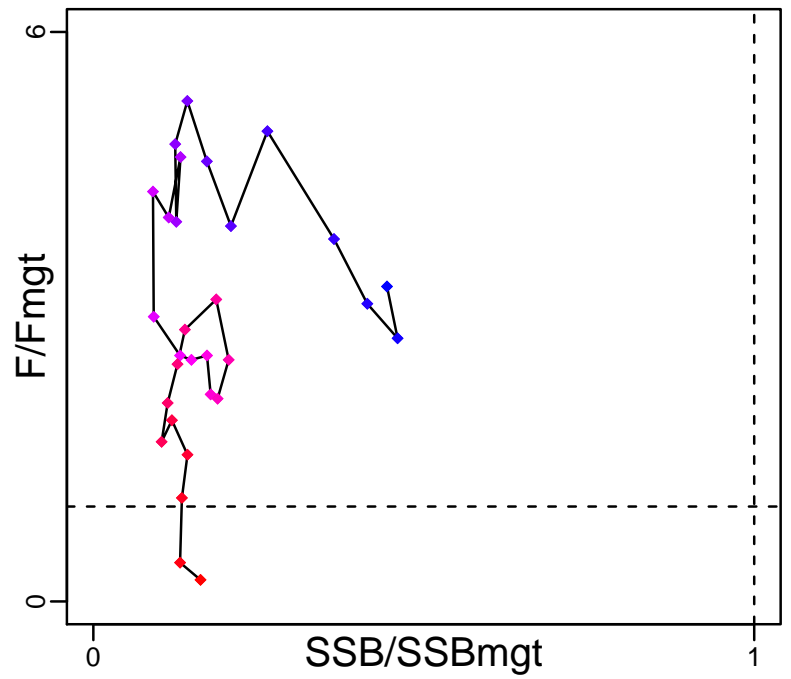
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2010	7080	-	3+
TN	-	-	-	-	-
R	R-E00	2013	4,910,000	-	1
F	F-1/yr	2013	0	-	-
ER	ER-calc-ratio	2010	0	-	-
TC	TC-MT	2013	753		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2010	0.16		
F/Fmsy	F-1/yr/Fmsy-1/yr	2013	0.49		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2010	0.19		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2010	0.16		
F/Fmgt	F-1/yr/Fmgt-1/yr	2010	0.23		
ER/ERmgt	-	-	-		

Winter Flounder Southern New England–Mid Atlantic [WINFLOUNSNEMATL]

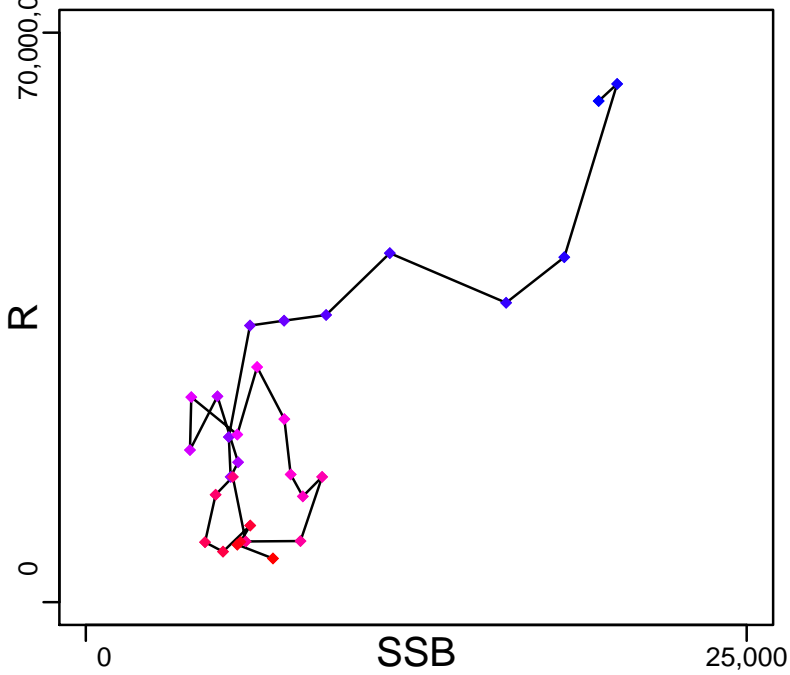
Kobe MSYpref (1980–2010–HIVELY)



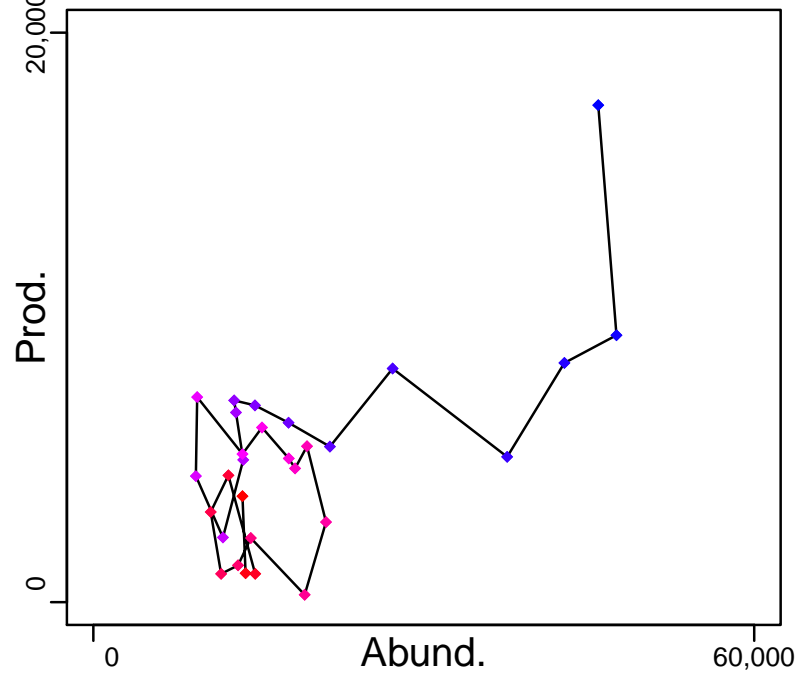
Kobe MGTpref (1980–2010–HIVELY)



Spawner Recruit (1980–2010–HIVELY)



Production (1980–2010–HIVELY)



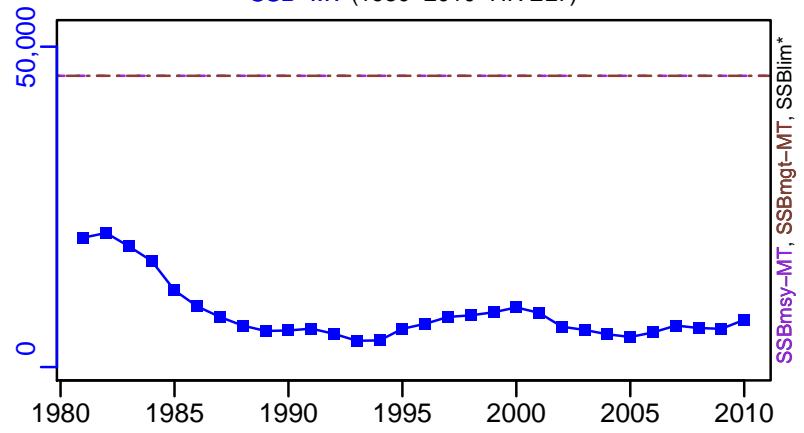
◆ Start Year ◆ End Year * No Data

Winter Flounder Southern New England–Mid Atlantic [WINFLOUNSNEMATL]

TB*



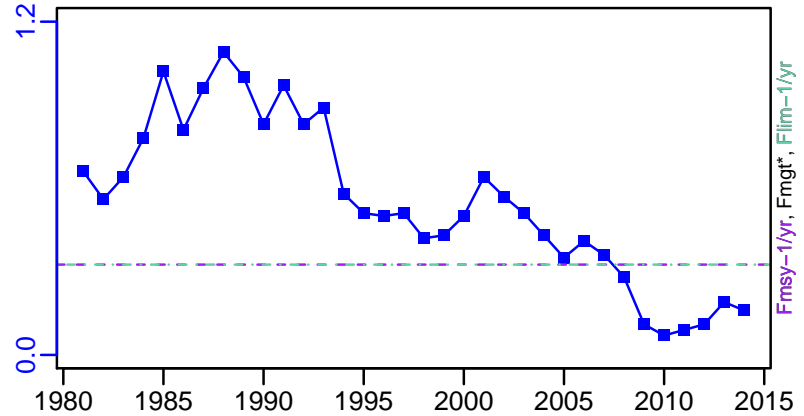
SSB-MT (1980–2010–HIVELY)



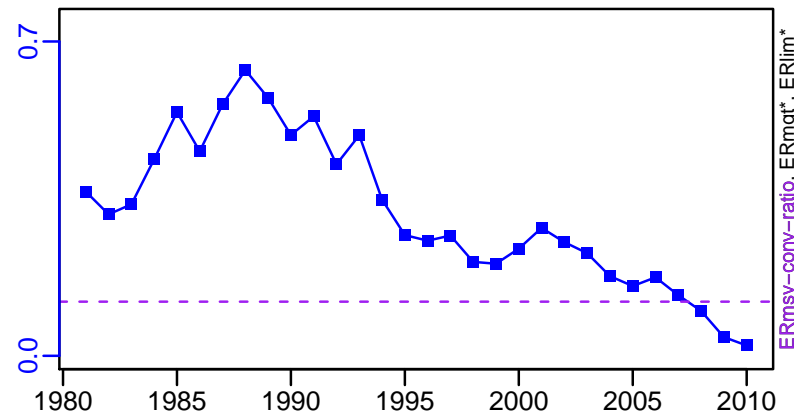
TN *



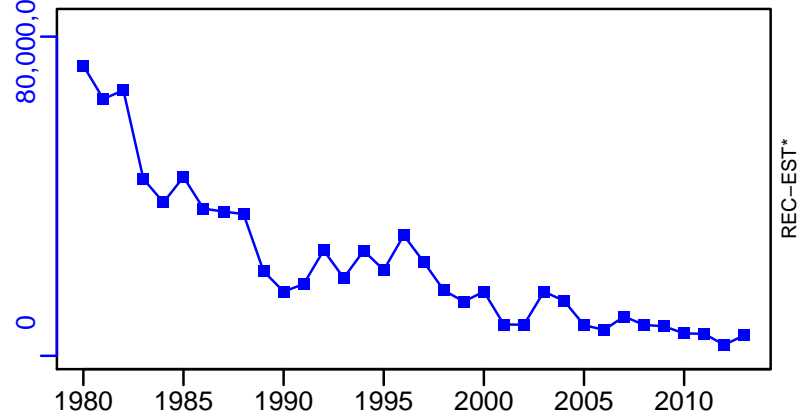
F-1/yr (1980–2013–SISIMP2016)



ER-calc-ratio (1980–2010–HIVELY)

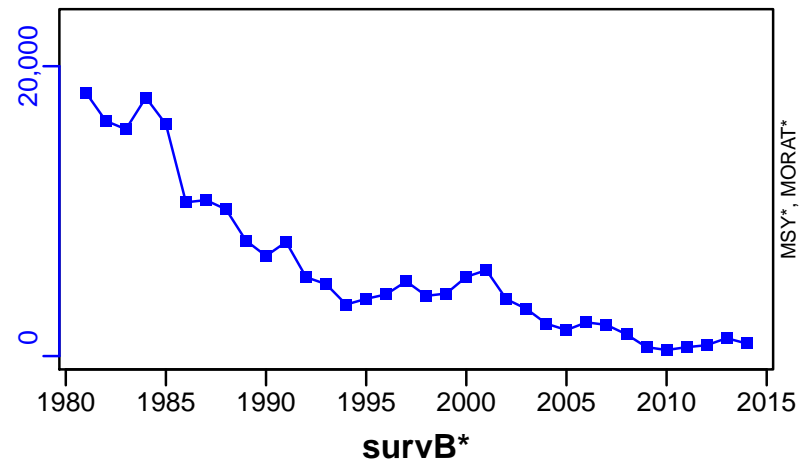


R-E00 (1980–2013–SISIMP2016)



Winter Flounder Southern New England–Mid Atlantic [WINFLOUNSNEMATL]

TC–MT, TL*, RecC* (1980–2013–SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Witch Flounder NAFO-5Y [WITFLOUN5Y]

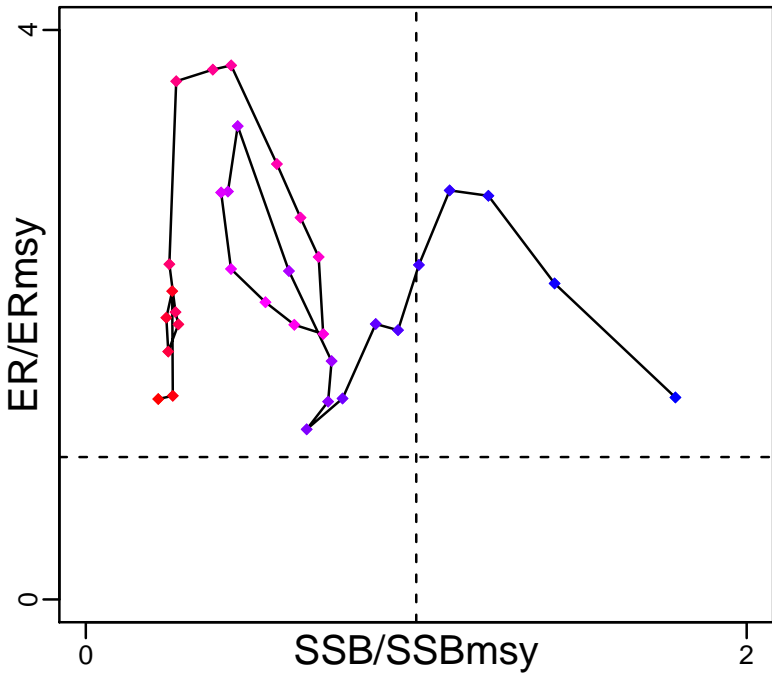
Metadata	
Scientific Name	Glyptocephalus cynoglossus
Current Assess ID	NEFSC-WITFLOUN5Y-1982-2014-SISIMP2016
Area	Gulf of Maine
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2008, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	9473
Fmsy	Fmsy-1/yr	2014	0.28
ERmsy	ERmsy-conv-ratio	2014	0.11
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	1957
M	M-1/yr	2008	0.15
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	4736
Flim	Flim-1/yr	2014	0.28
ERlim	-	-	-

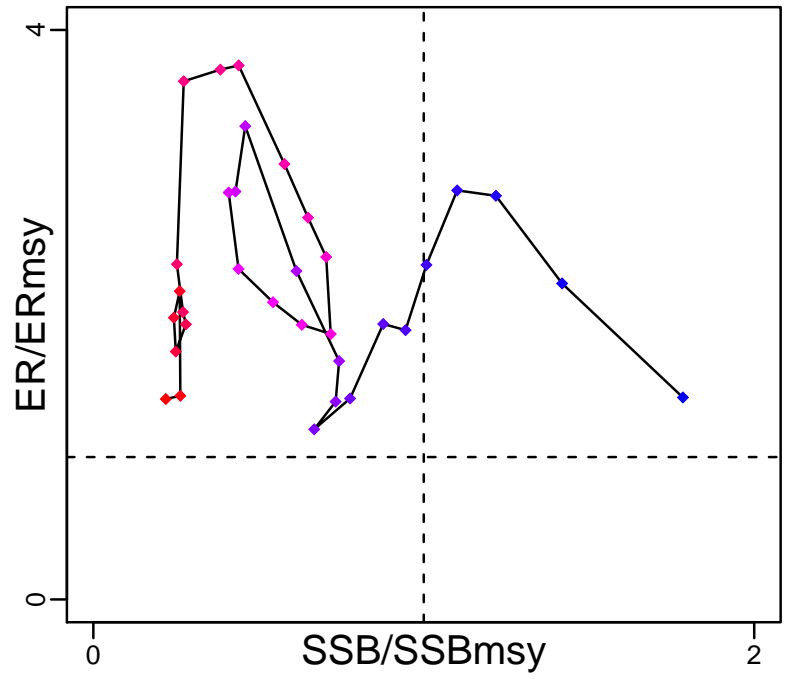
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	2080	-	-
TN	-	-	-	-	-
R	R-E00	2014	10,200,000	-	3
F	F-1/yr	2014	1	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	604		
TL	TL-MT	2008	1070		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.22		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	2.46		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	1.41		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Witch Flounder NAFO-5Y [WITFLOUN5Y]

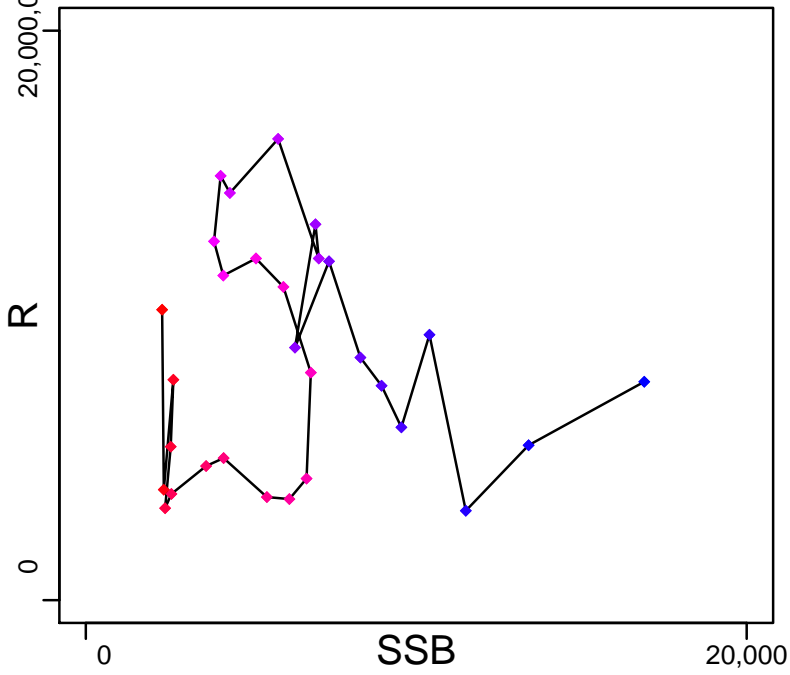
Kobe MSYpref (1982-2014-SISIMP2016)



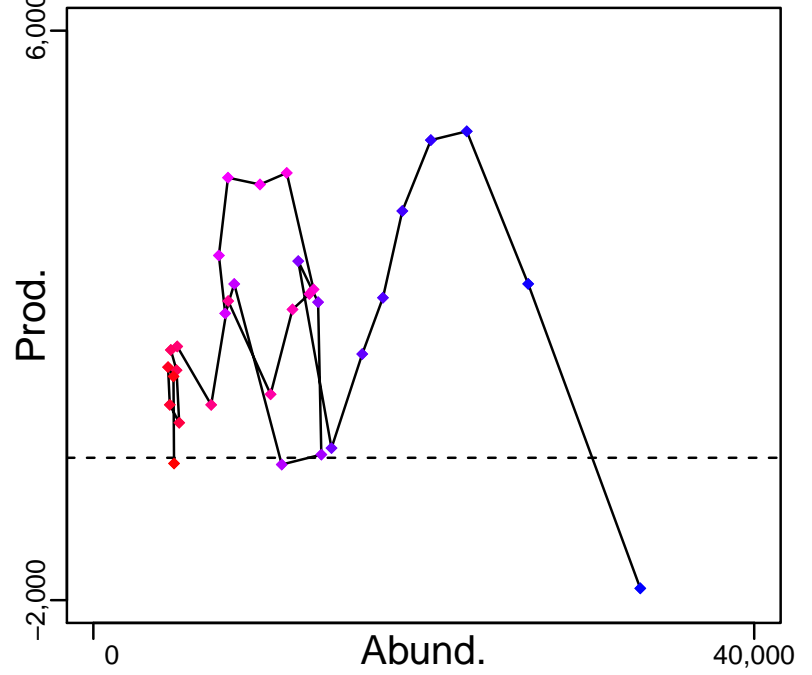
Kobe MGTpref (1982-2014-SISIMP2016)



Spawner Recruit (1982-2014-SISIMP2016)



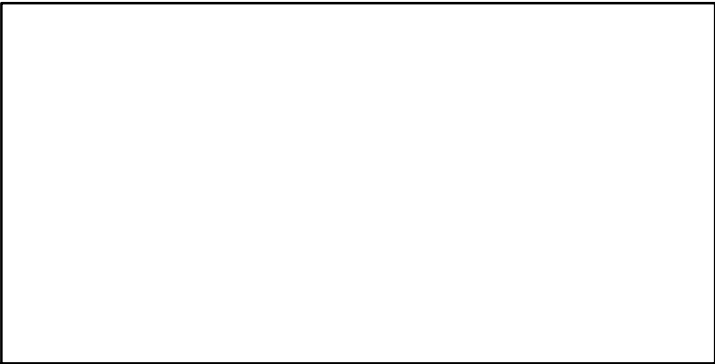
Production (1982-2014-SISIMP2016)



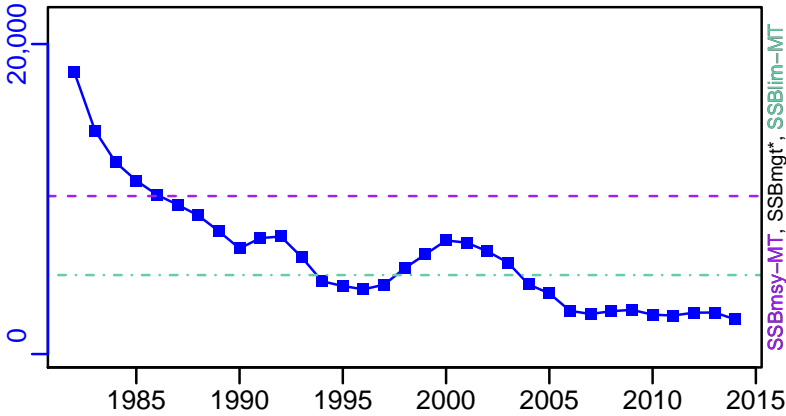
◆ Start Year ◆ End Year * No Data

Witch Flounder NAFO-5Y [WITFLOUN5Y]

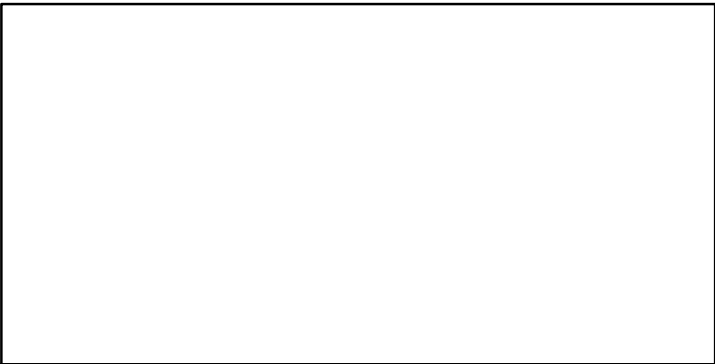
TB*



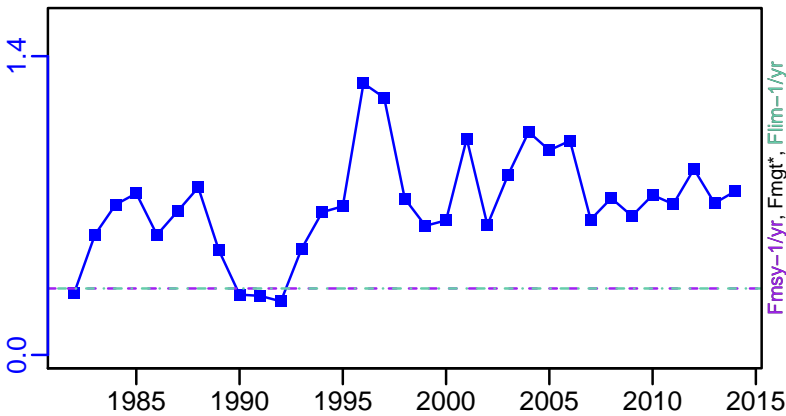
SSB-MT (1982-2014-SISIMP2016)



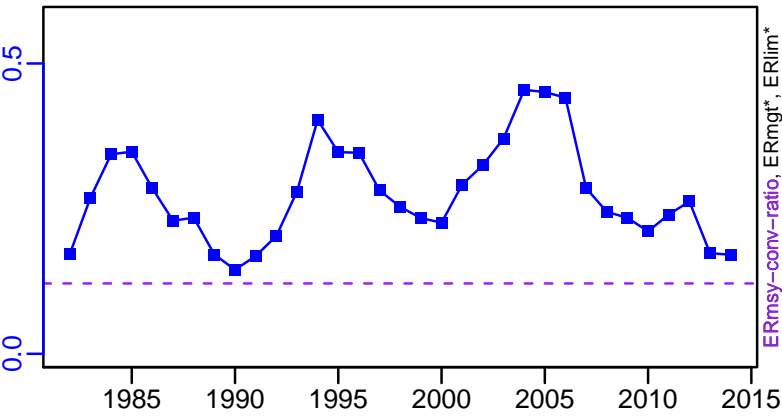
TN *



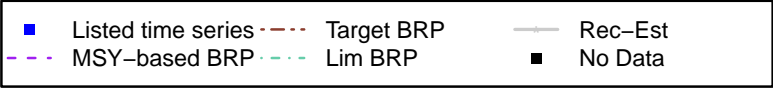
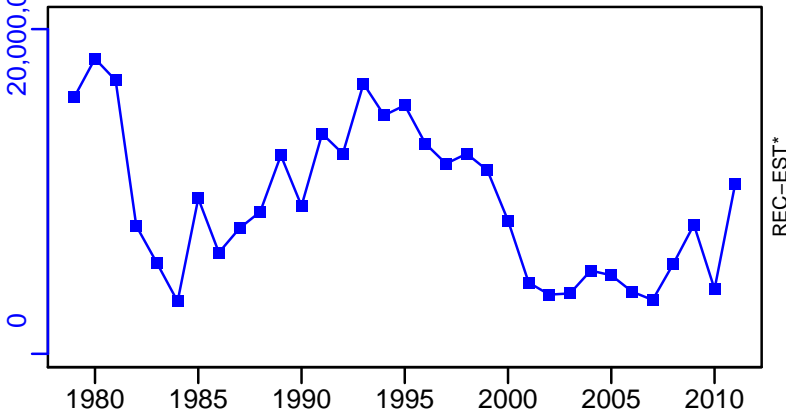
F-1/yr (1982-2014-SISIMP2016)



ER-calc-ratio (1982-2014-SISIMP2016)

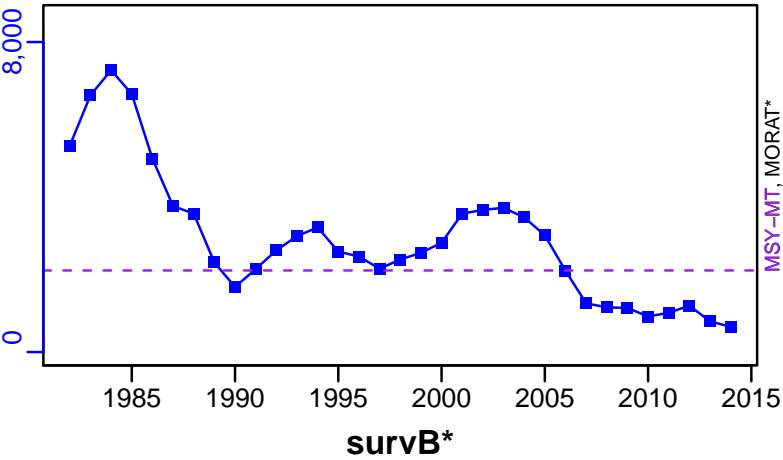


R-E00 (1982-2014-SISIMP2016)



Witch Flounder NAFO-5Y [WITFLOUN5Y]

TC-MT, TL*, RecC* (1982-2014-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Winter skate Gulf of Maine / Cape Hatteras [WSKAT5YCHATT]

Metadata	
Scientific Name	Leucoraja ocellata
Current Assess ID	NEFSC-WSKAT5YCHATT-1967-2005-SOSEBEE
Area	Gulf of Maine / Cape Hatteras
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2005

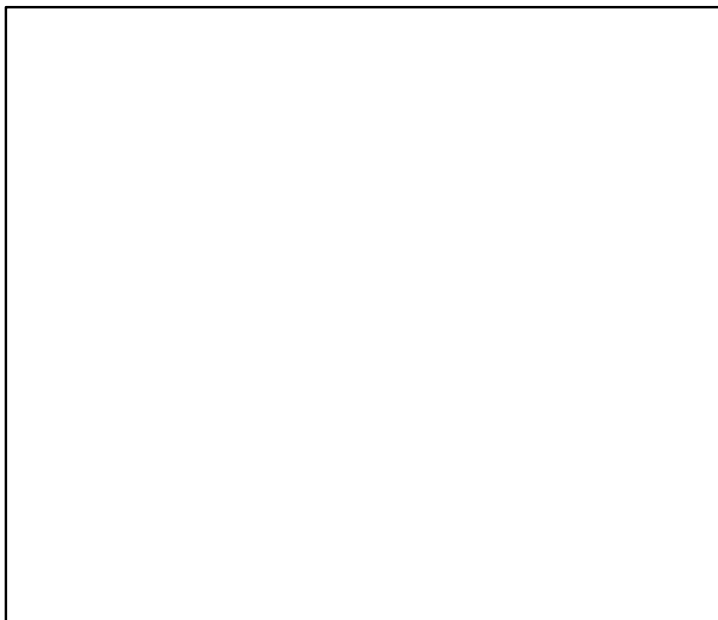
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

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

Kobe MSY*



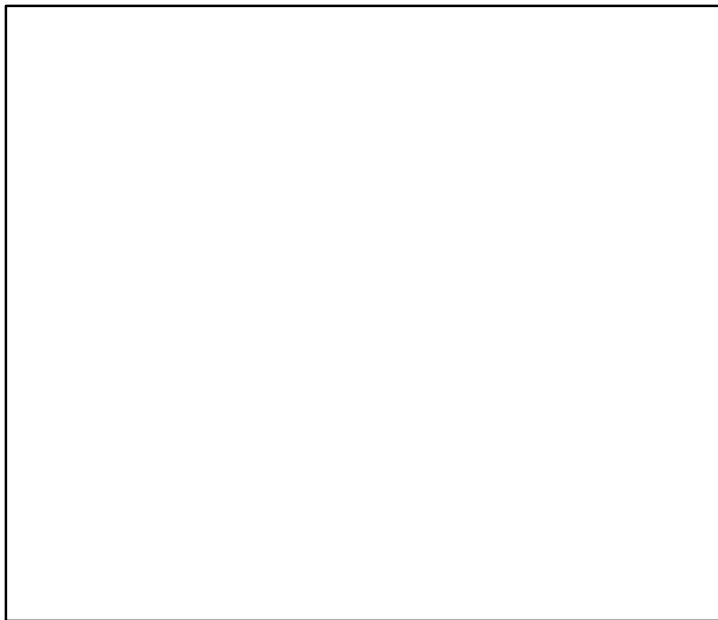
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*



Recruits*

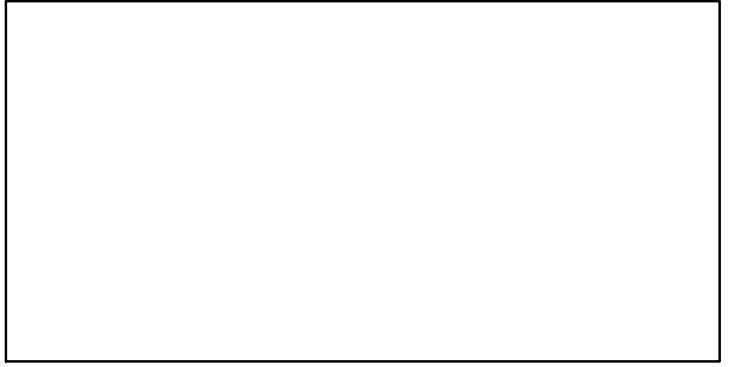


Winter skate Gulf of Maine / Cape Hatteras [WSKAT5YCHATT]

TC*, TL*, RecC*



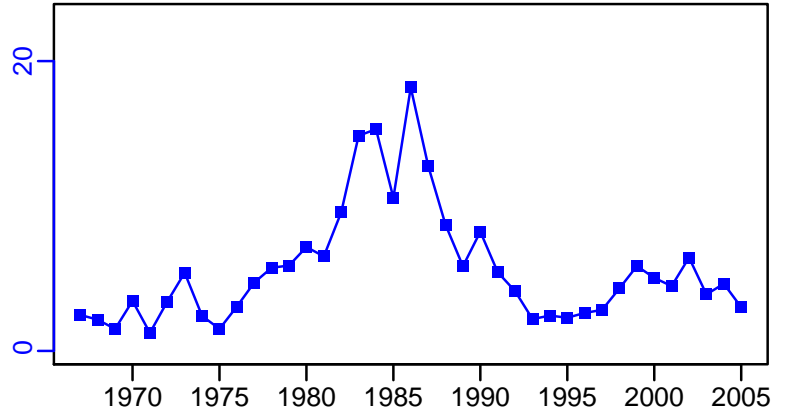
TAC*, Cpair*, Cadv*



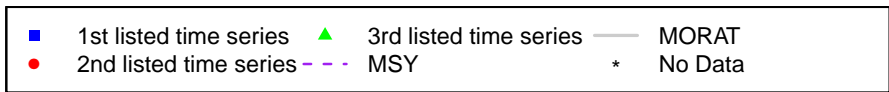
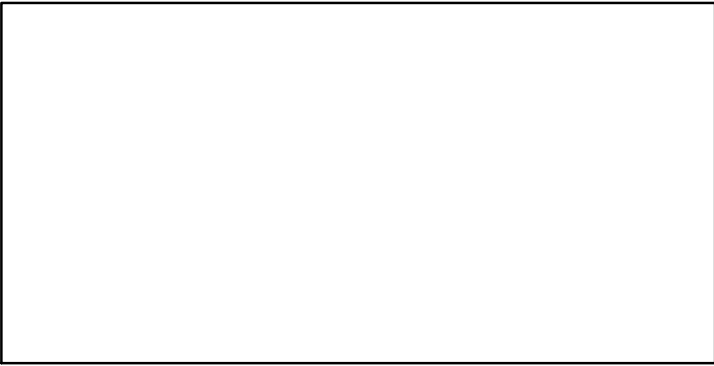
survB*



CPUE-kgpertow (1967-2005-SOSEBEE)



EFFORT*



Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]

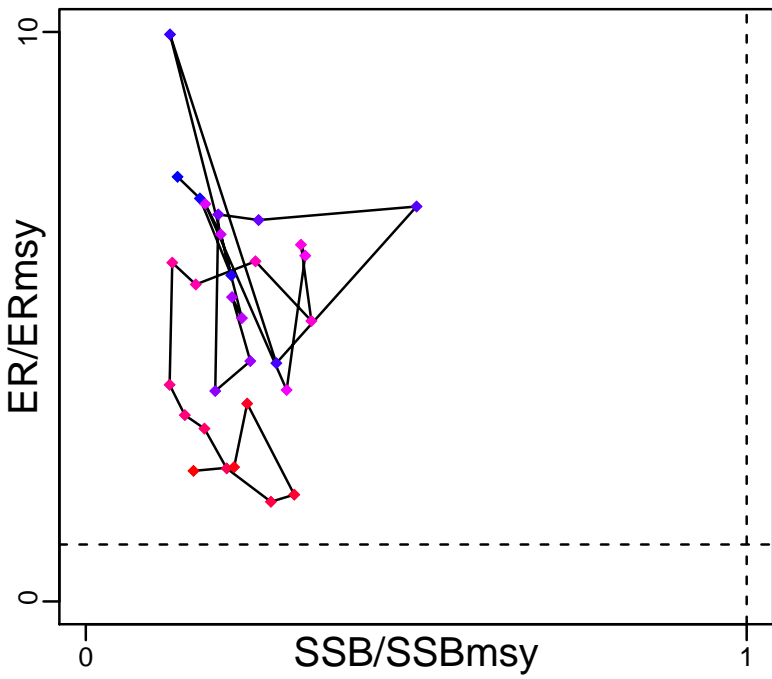
Metadata	
Scientific Name	Limanda ferruginea
Current Assess ID	NEFSC-YELLCCODGOM-1985-2014-SISIMP2016
Area	Cape Cod / Gulf of Maine
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2008, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	5259
Fmsy	Fmsy-1/yr	2014	0.28
ERmsy	ERmsy-conv-ratio	2014	0.11
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	1285
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	2629
Flim	Flim-1/yr	2014	0.28
ERlim	-	-	-

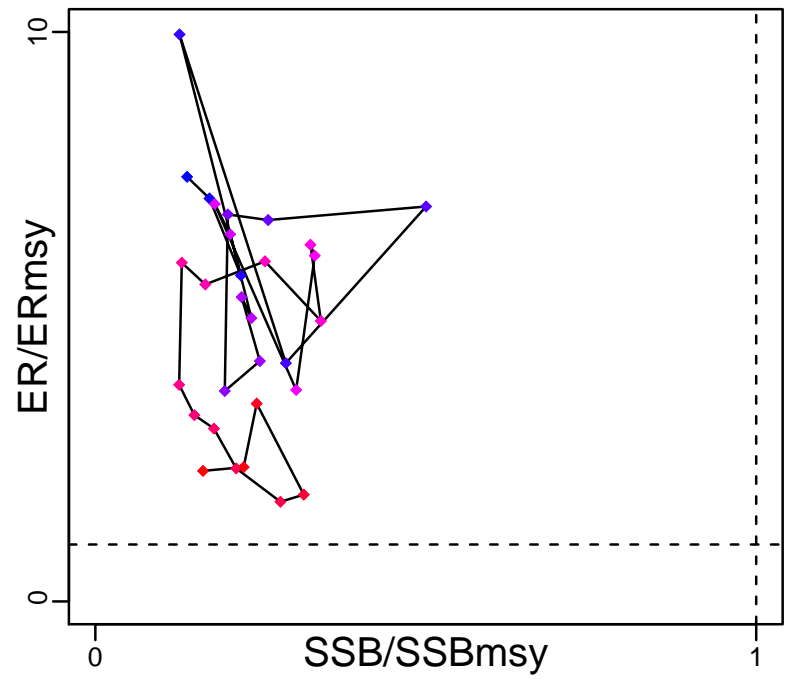
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	857	-	-
TN	TN-E00	2008	16,900,000	-	-
R	R-E00	2014	10,300,000	-	1
F	F-1/yr	2014	1	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	480		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.16		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	2.29		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	2.29		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]

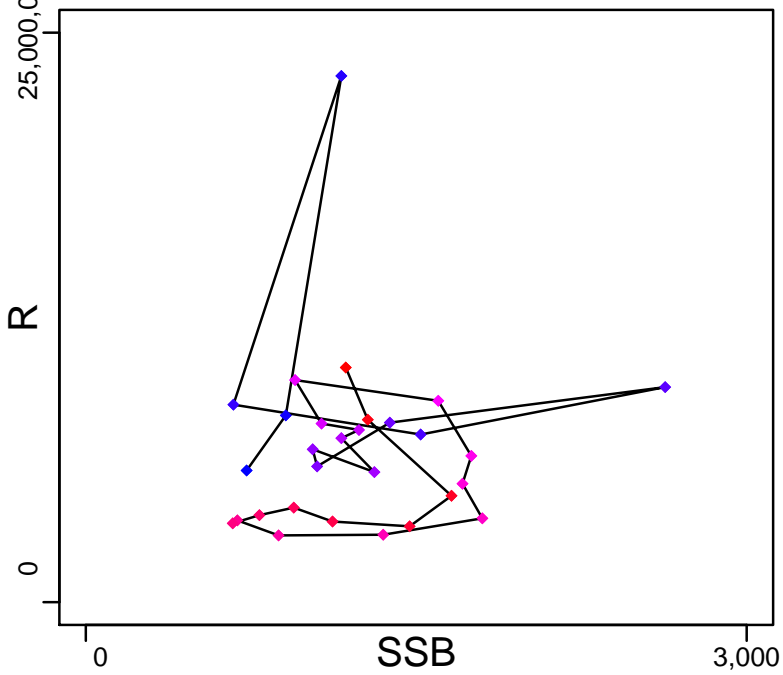
Kobe MSYpref (1985–2014–SISIMP2016)



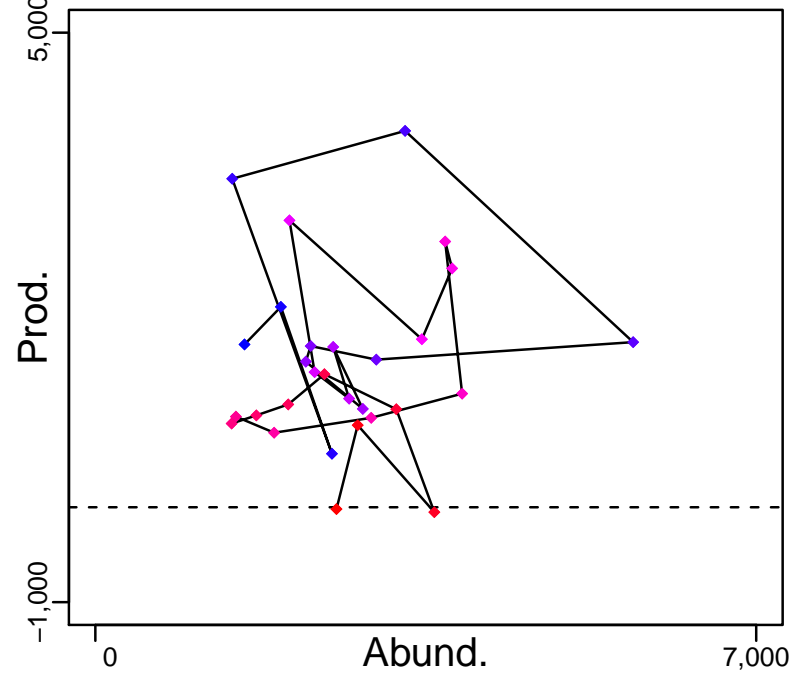
Kobe MGTpref (1985–2014–SISIMP2016)



Spawner Recruit (1985–2014–SISIMP2016)



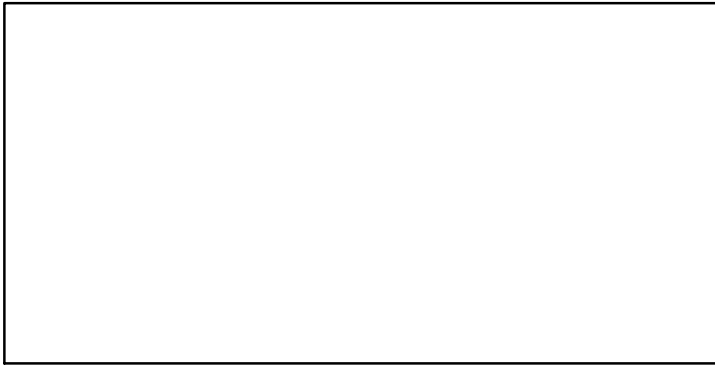
Production (1985–2014–SISIMP2016)



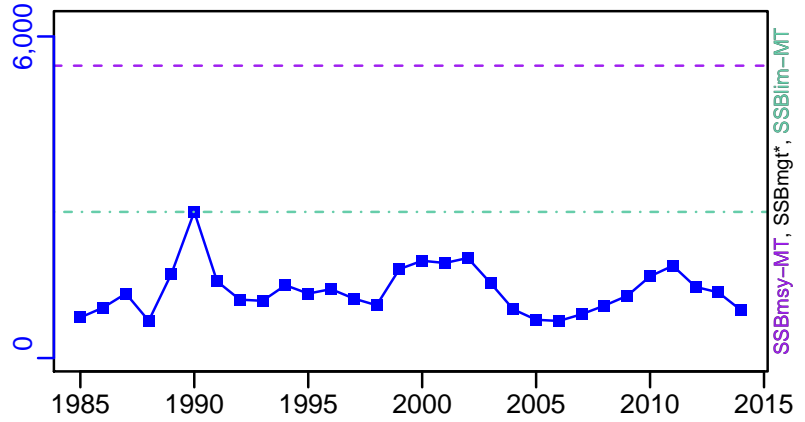
◆ Start Year ◆ End Year * No Data

Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]

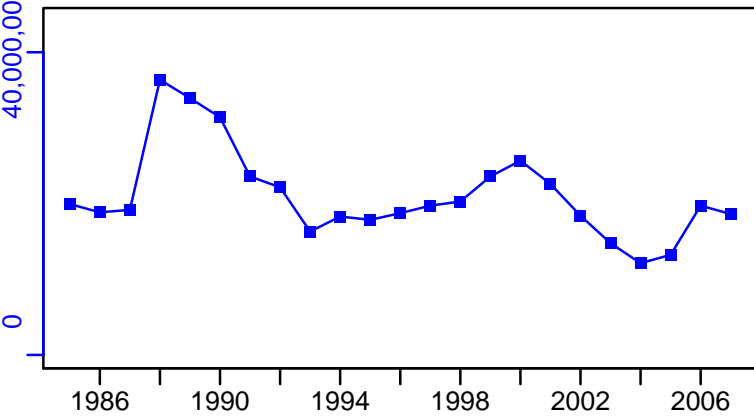
TB*



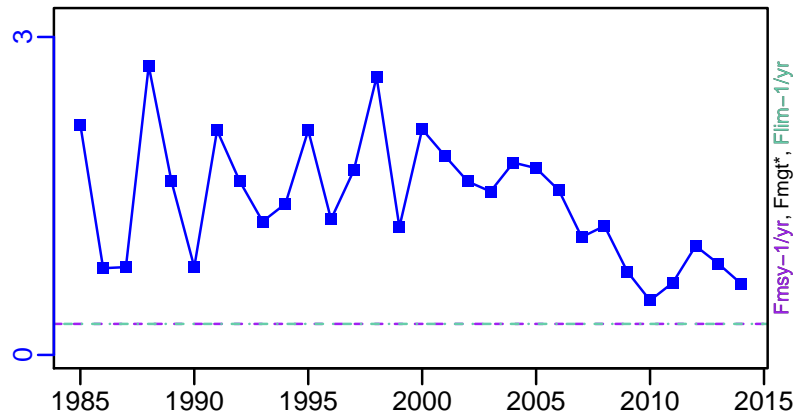
SSB-MT (1985-2014-SISIMP2016)



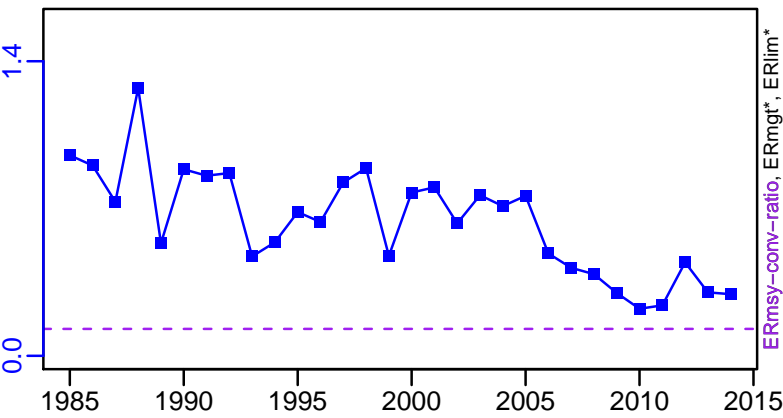
TN-E00 (1935-2008-LEGAULT)



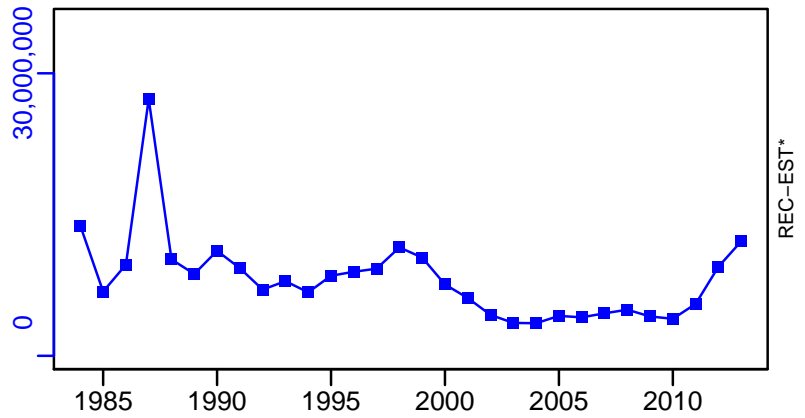
F-1/yr (1985-2014-SISIMP2016)



ER-calc-ratio (1985-2014-SISIMP2016)



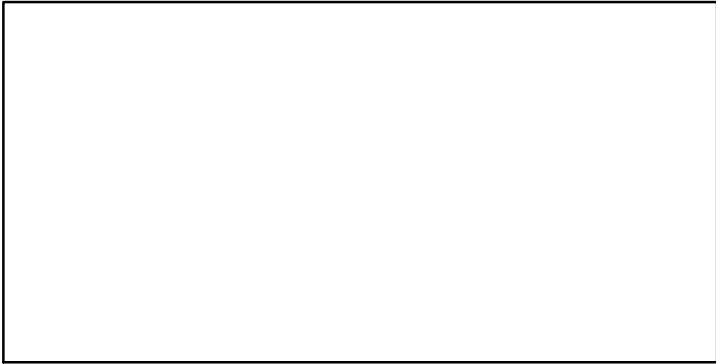
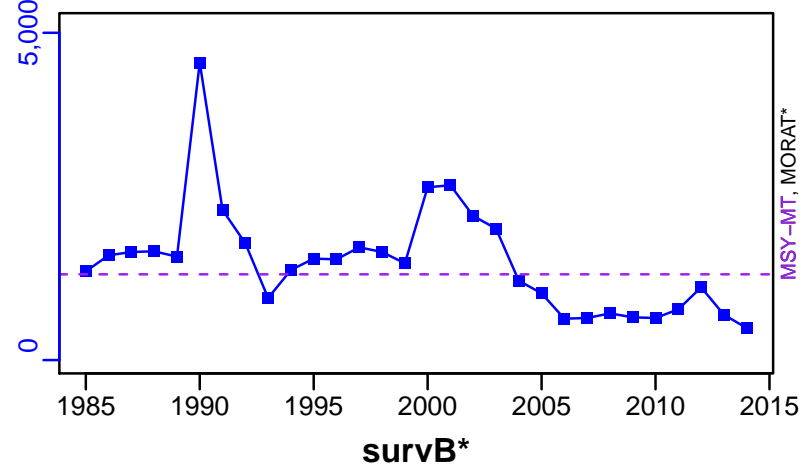
R-E00 (1985-2014-SISIMP2016)



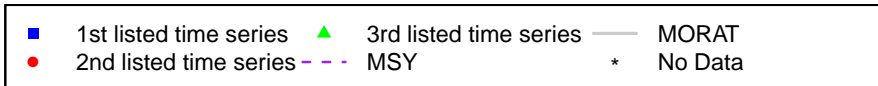
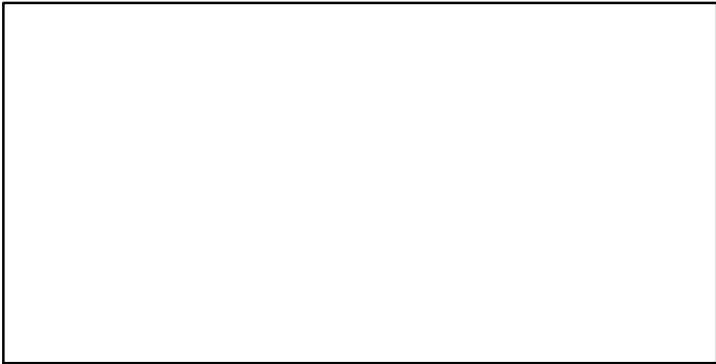
Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]

TC-MT, TL*, RecC* (1985-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Yellowtail flounder Georges Bank [YELLGB]

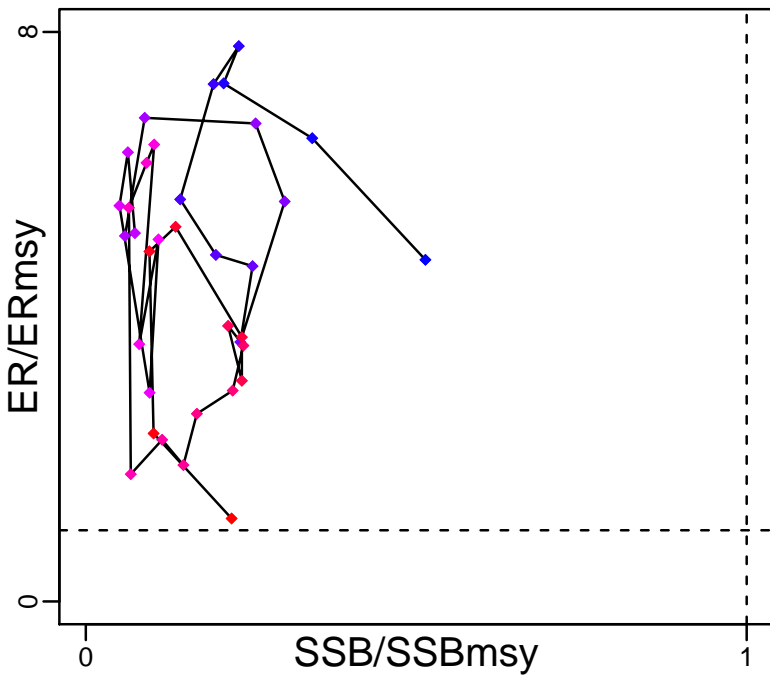
Metadata	
Scientific Name	Limanda ferruginea
Current Assess ID	NEFSC-YELLGB-1935-2015-WATSON
Area	Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2008, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2008	43,200
Fmsy	Fmsy-pr-1/yr	2008	0.25
ERmsy	ERmsy-conv-ratio	2008	0.1
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2008	9400
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

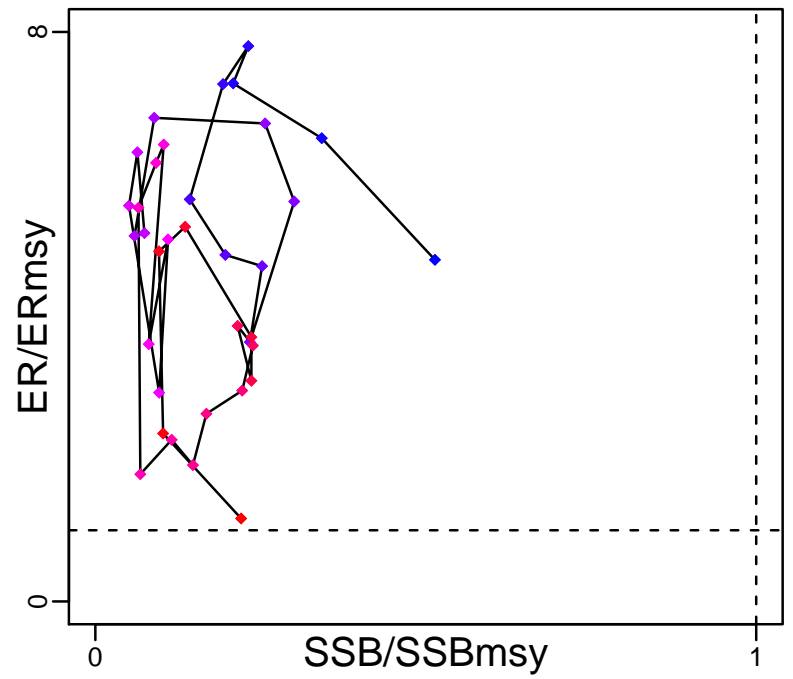
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2008	20,800	-	-
SSB	SSB-MT	2008	9530	-	2+
TN	-	-	-	-	-
R	R-E00	2008	19,100,000	-	1
F	F-1/yr	2008	0	-	4+
ER	ER-ratio	2008	0	-	-
TC	TC-MT	2015	159		
TL	TL-MT	2015	71		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2008	0.22		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2008	1.14		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2008	1.17		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Yellowtail flounder Georges Bank [YELLGB]

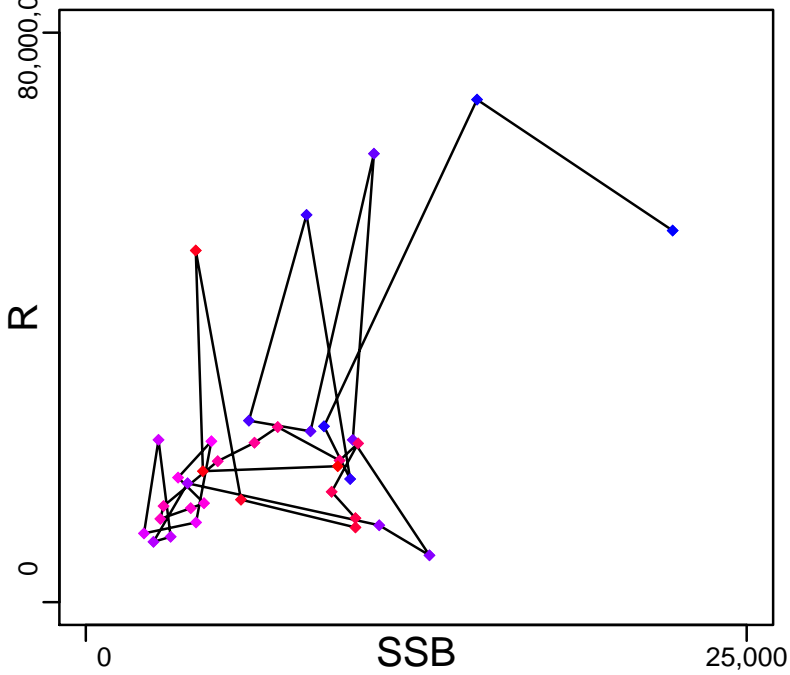
Kobe MSYpref (1935–2008–BAUM)



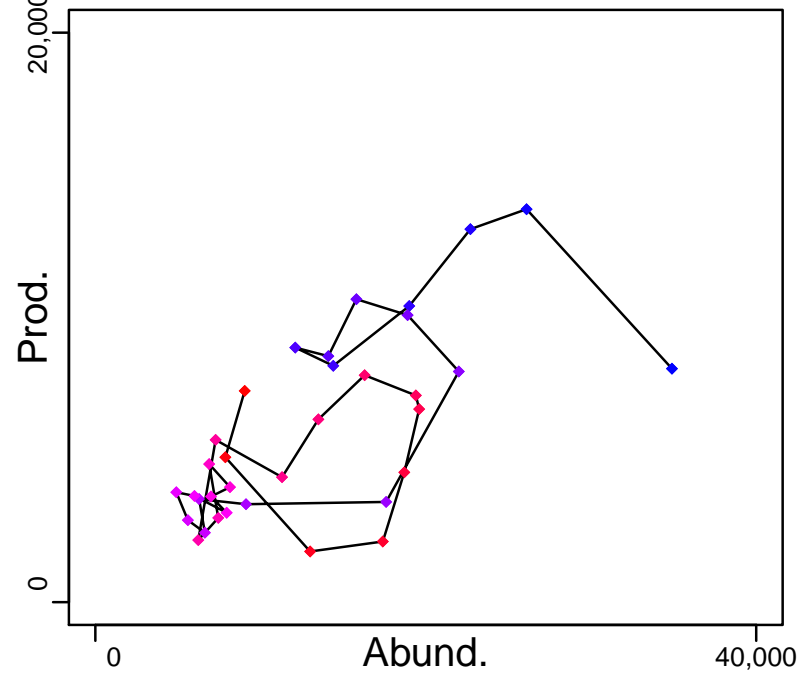
Kobe MGTpref (1935–2008–BAUM)



Spawner Recruit (1935–2008–BAUM)



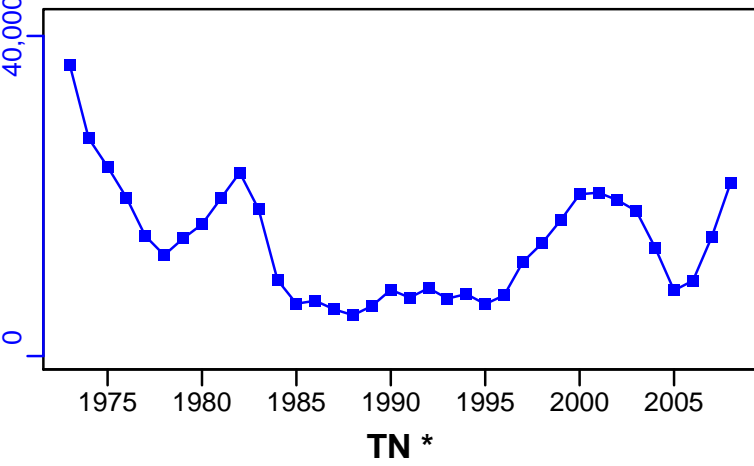
Production (1935–2008–BAUM)



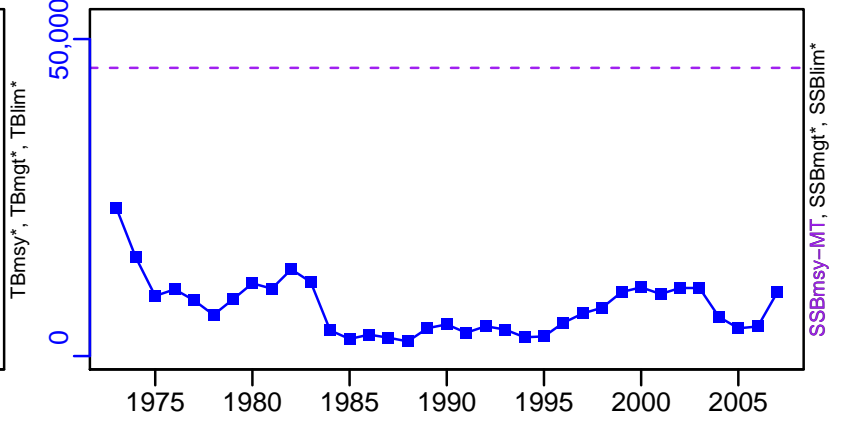
◆ Start Year ◆ End Year * No Data

Yellowtail flounder Georges Bank [YELLGB]

TB-MT (1935–2008–BAUM)



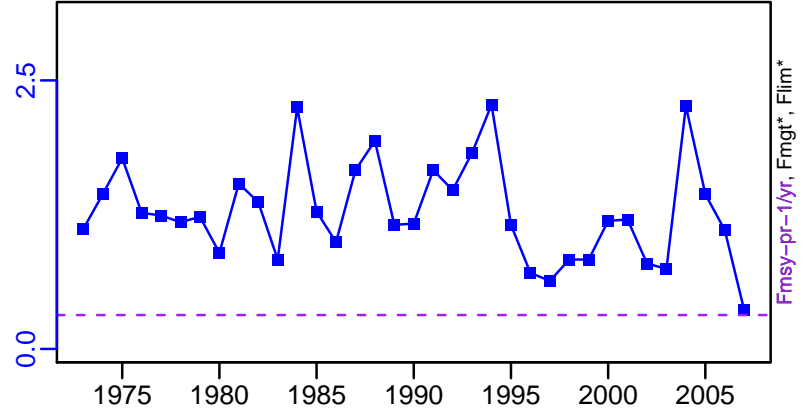
SSB-MT (1935–2008–BAUM)



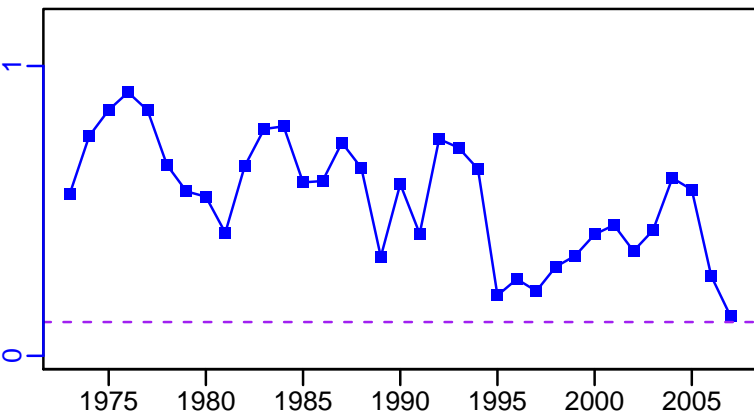
TN *



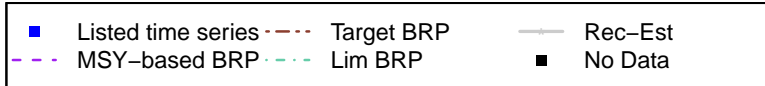
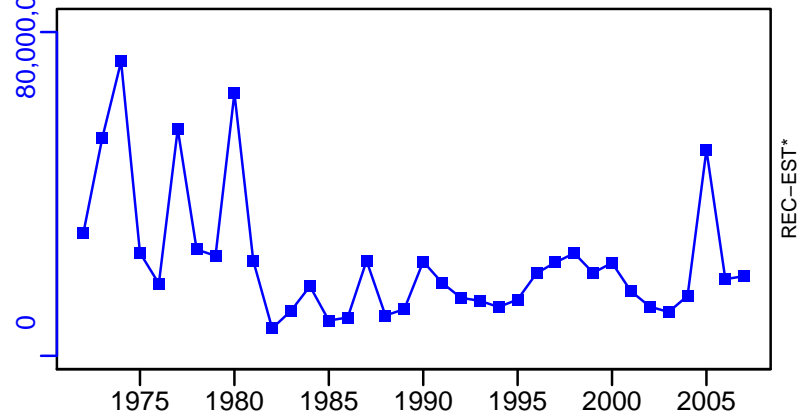
F-1/yr (1935–2008–BAUM)



ER-ratio (1935–2008–BAUM)

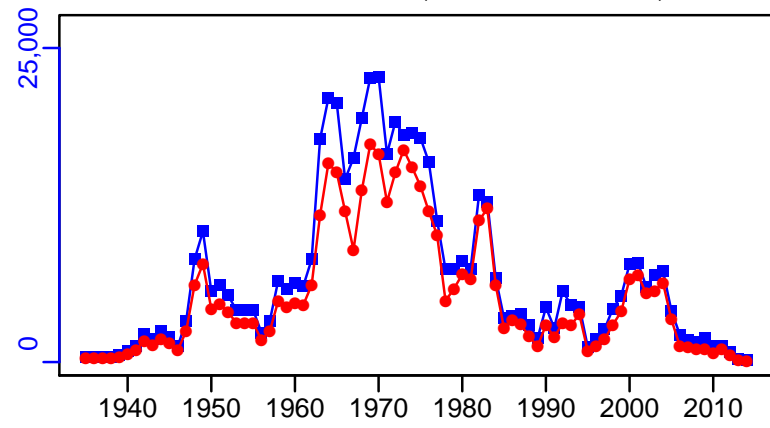


R-E00 (1935–2008–BAUM)

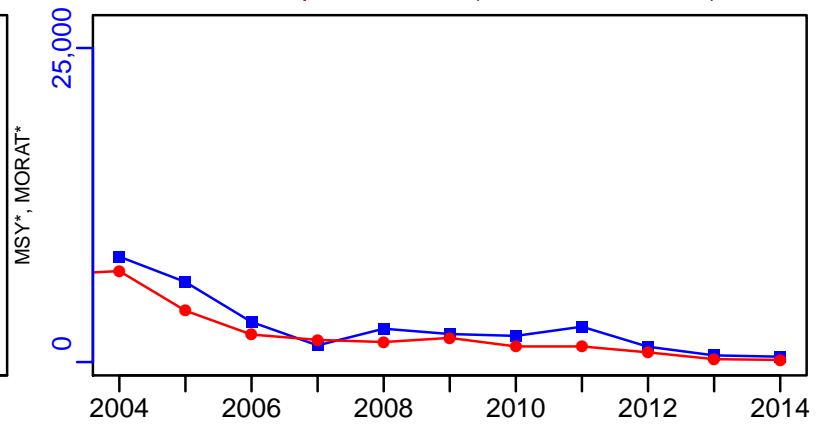


Yellowtail flounder Georges Bank [YELLGB]

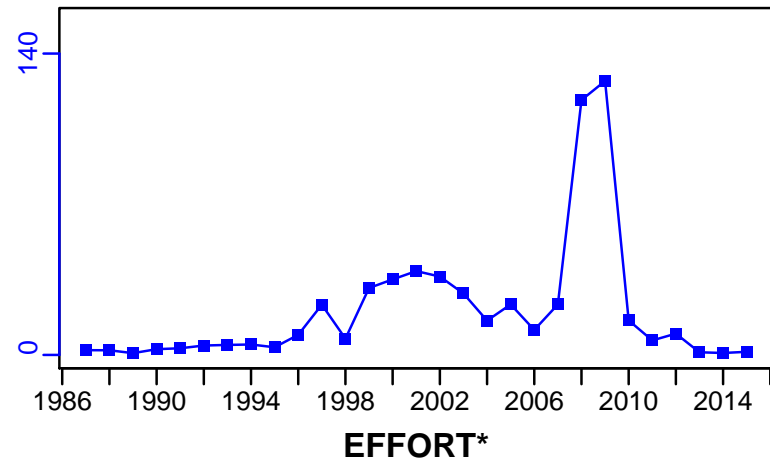
TC-MT, TL-MT, RecC* (1935-2015-WATSON)



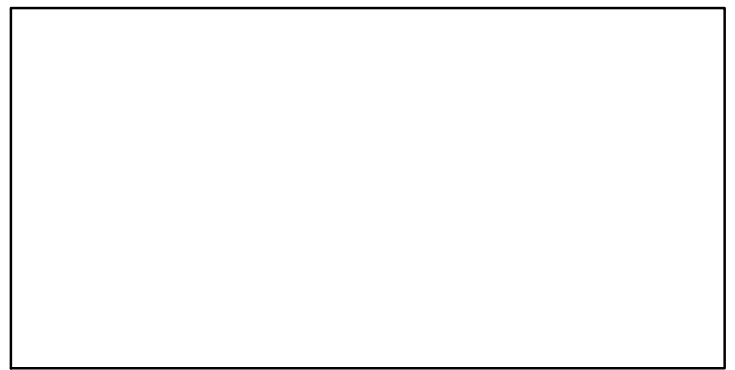
TAC-MT, Cpair-MT, Cadv* (1935-2015-WATSON)



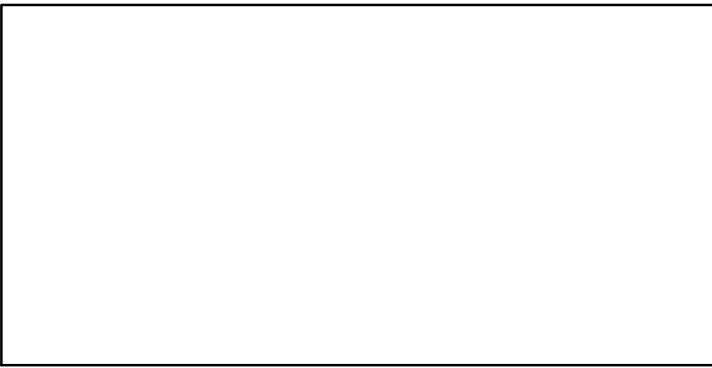
survB-kg/tow (1935-2015-WATSON)



CPUE*



EFFORT*



Yellowtail Flounder Southern New England-Mid Atlantic [YELLSNEMATL]

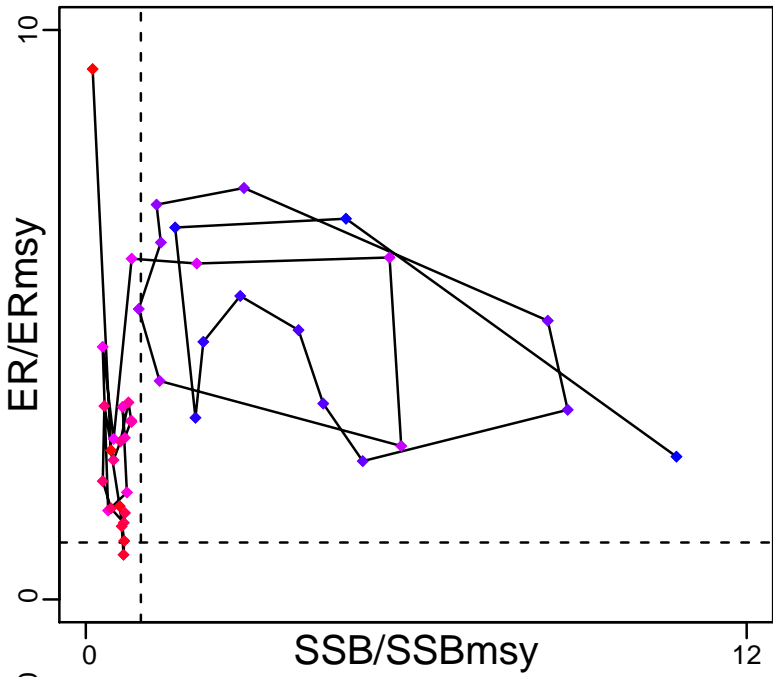
Metadata	
Scientific Name	Limanda ferruginea
Current Assess ID	NEFSC-YELLSNEMATL-1973-2014-SISIMP2016
Area	Southern New England /Mid Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	1959
Fmsy	Fmsy-1/yr	2014	0.35
ERmsy	ERmsy-conv-ratio	2014	0.12
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	541
M	M-1/yr	2011	0.3
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	979
Flim	Flim-1/yr	2014	0.35
ERlim	-	-	-

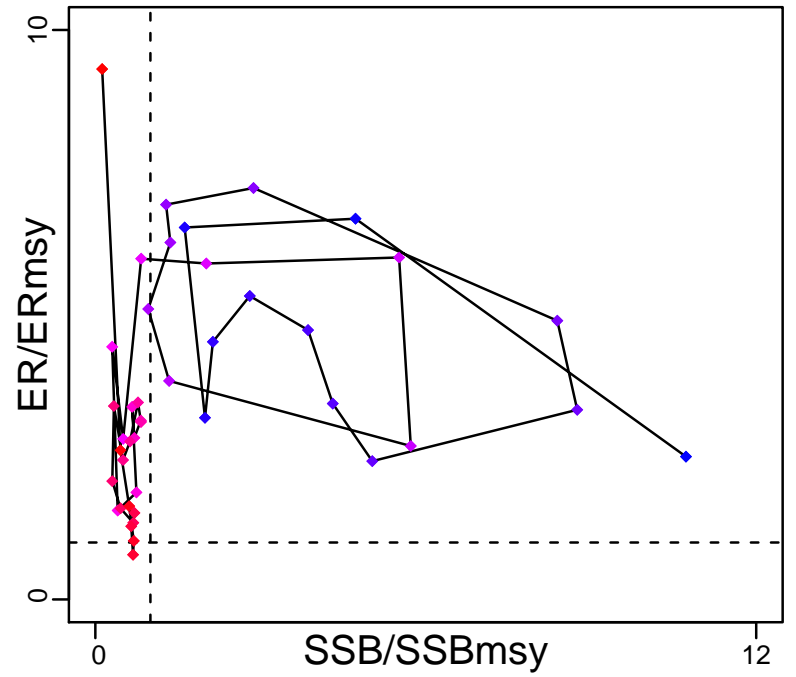
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	5310	-	-
SSB	SSB-MT	2014	243	-	-
TN	-	-	-	-	-
R	R-E00	2014	435,000	-	1
F	F-1/yr	2014	4	-	-
ER	ER-calc-ratio	2014	1	-	-
TC	TC-MT	2014	625		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.12		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	10.11		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	9.31		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Yellowtail Flounder Southern New England–Mid Atlantic [YELLSNEMATL]

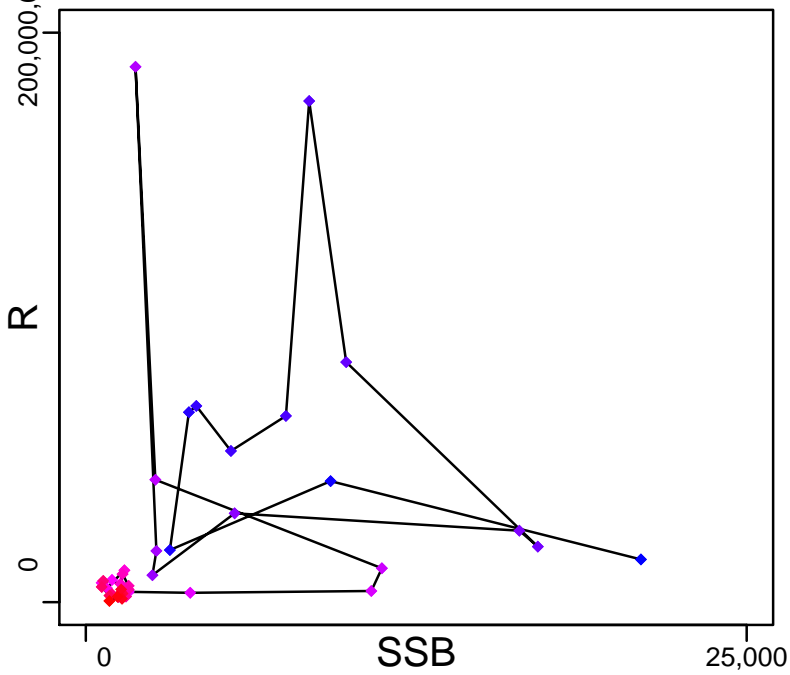
Kobe MSY_{pref} (1973–2014–SISIMP2016)



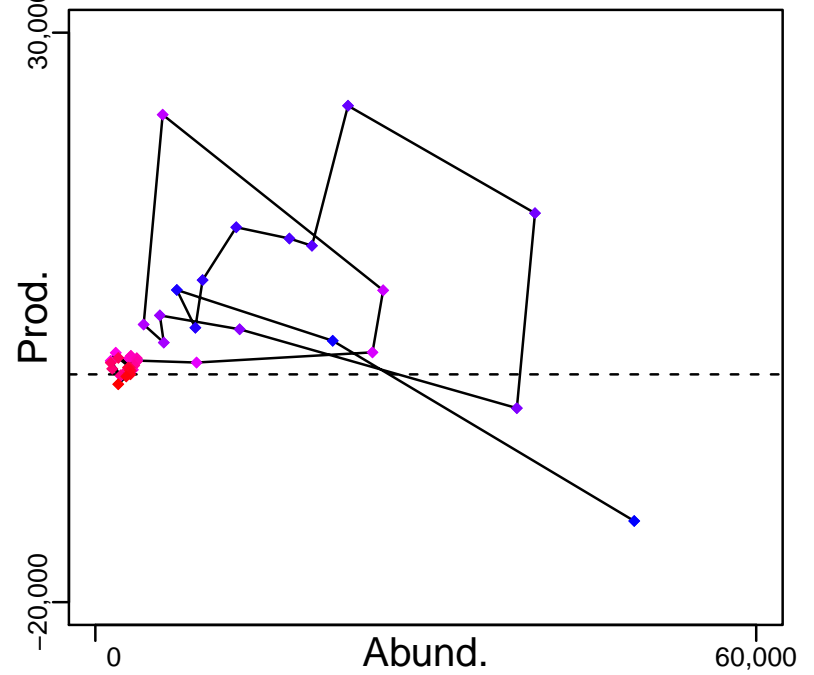
Kobe MGT_{pref} (1973–2014–SISIMP2016)



Spawner Recruit (1973–2014–SISIMP2016)



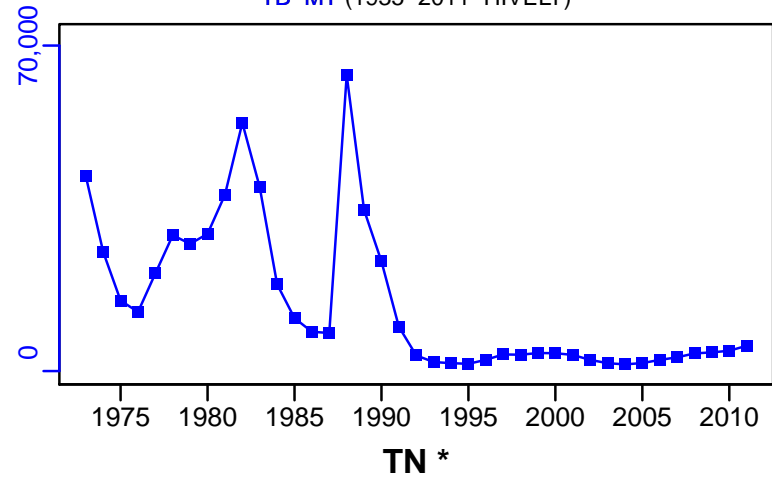
Production (1973–2014–SISIMP2016)



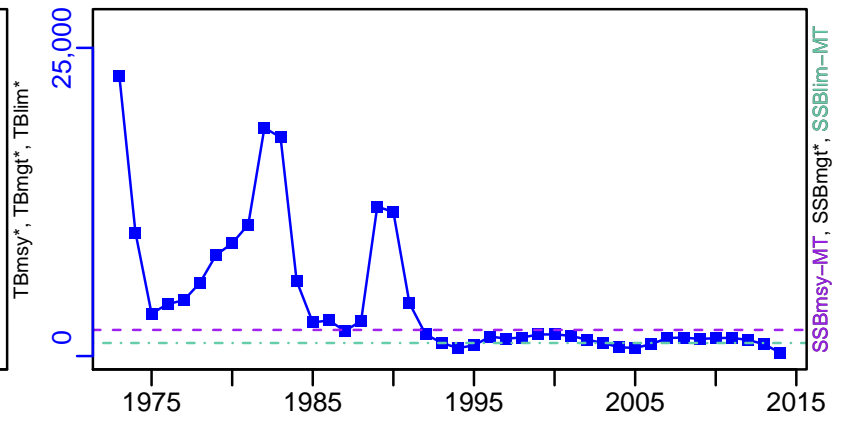
◆ Start Year ◆ End Year * No Data

Yellowtail Flounder Southern New England–Mid Atlantic [YELLSNEMATL]

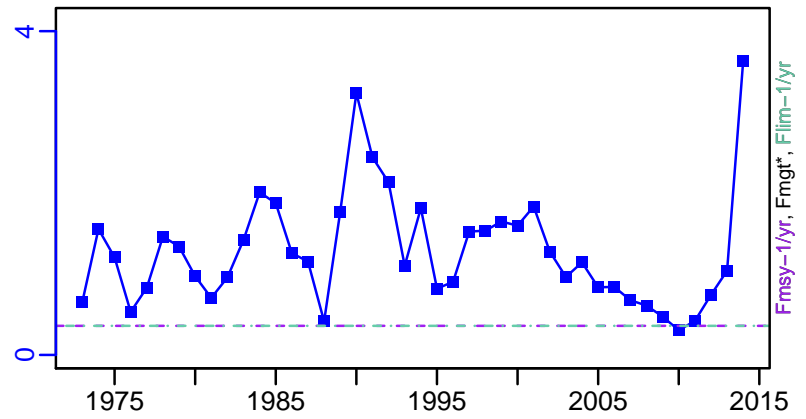
TB-MT (1935–2011–HIVELY)



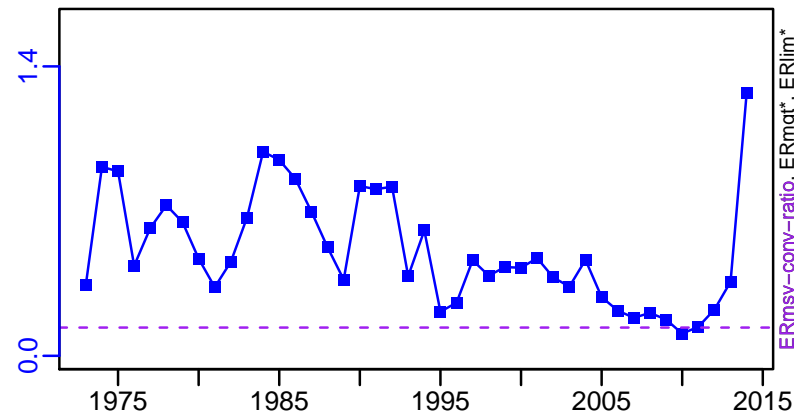
SSB-MT (1973–2014–SISIMP2016)



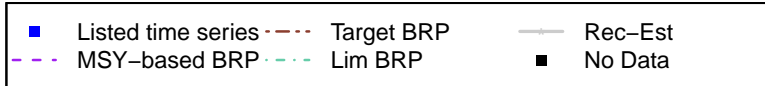
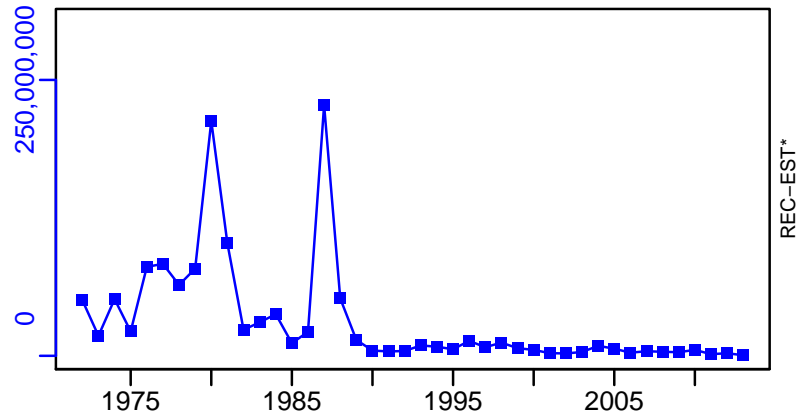
F-1/yr (1973–2014–SISIMP2016)



ER-calc-ratio (1973–2014–SISIMP2016)



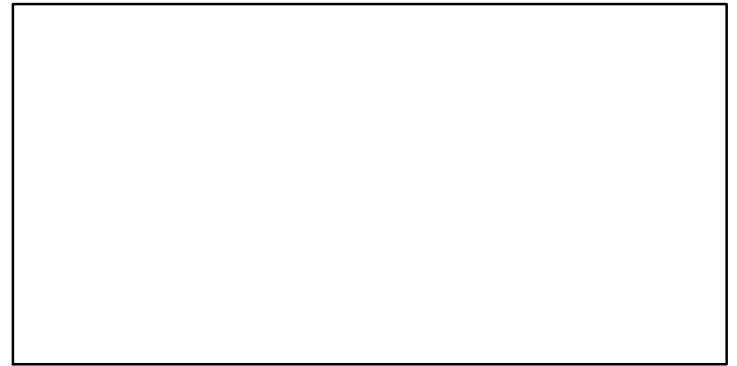
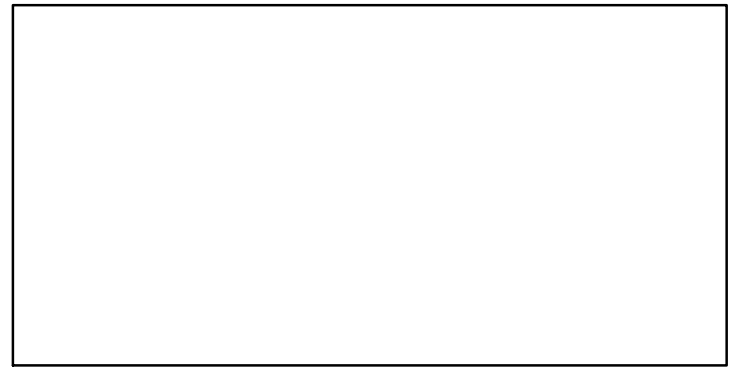
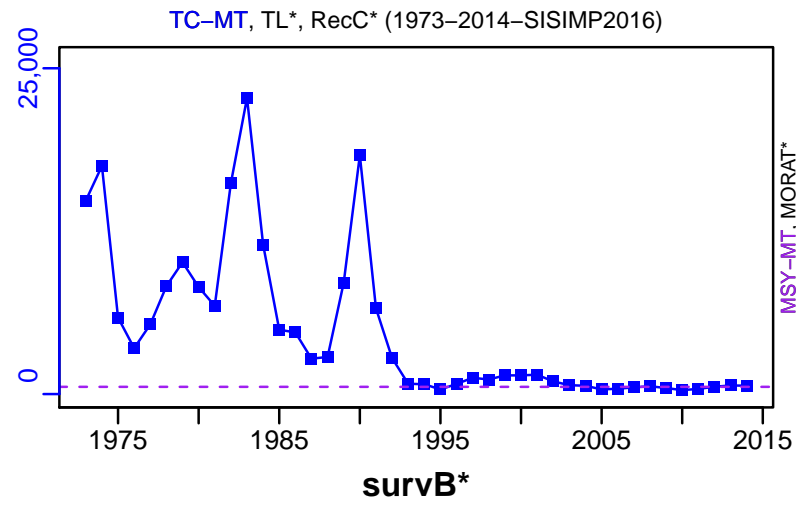
R-E00 (1973–2014–SISIMP2016)



Yellowtail Flounder Southern New England–Mid Atlantic [YELLSNEMATL]

TC–MT, TL*, RecC* (1973–2014–SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*

