

US East Coast Stocks

v4.491 (Jan-06-2020)

Not present Present Preferred

Stock	Time Series Types			
	B/Bmsy	U/Umsy	B/Bmgt	U/Umgt
1. ACADREDGOMGB [Acadian redfish Gulf of Maine / Georges Bank]	TB SSB	ER F	TB SSB	ER F
2. AMPL5YZ [American plaice Gulf of Maine / Georges Bank]	TB SSB	ER F	TB SSB	ER F
3. ATHAL5YZ [Atlantic halibut Gulf of Maine / Georges Bank]	TB SSB	ER F	TB SSB	ER F
4. ATLCROAKMATLC [Atlantic croaker Mid-Atlantic Coast]	TB SSB	ER F	TB SSB	ER F
5. AWOLF5YZ [Atlantic wolffish Gulf of Maine / Georges Bank]	TB SSB	ER F	TB SSB	ER F
6. BCRABCHESB [Blue crab Chesapeake Bay]	TB SSB	ER F	TB SSB	ER F
7. BLUEFISHATLC [Bluefish Atlantic Coast]	TB SSB	ER F	TB SSB	ER F
8. BSBASSMATLC [Black sea bass Mid-Atlantic Coast]	TB SSB	ER F	TB SSB	ER F
9. BSKAT5YZSNE [Barndoor skate Gulf of Maine / Georges Bank-Southern New England]	TB SSB	ER F	TB SSB	ER F
10. BUTTERGOMCHATT [Atlantic butterfish Gulf of Maine / Cape Hatteras]	TB SSB	ER F	TB SSB	ER F
11. CODGB [Atlantic cod Georges Bank]	TB SSB	ER F	TB SSB	ER F
12. CODGOM [Atlantic cod Gulf of Maine]	TB SSB	ER F	TB SSB	ER F
13. CSKATMATLC [Clearnose skate Mid-Atlantic Coast]	TB SSB	ER F	TB SSB	ER F
14. HAD5Y [Haddock Gulf of Maine]	TB SSB	ER F	TB SSB	ER F
15. HADGB [Haddock Georges Bank]	TB SSB	ER F	TB SSB	ER F
16. HERRNWATLC [Herring Northwestern Atlantic Coast]	TB SSB	ER F	TB SSB	ER F
17. ILLEXNWATLC [Northern shortfin squid Northwestern Atlantic Coast]	TB SSB	ER F	TB SSB	ER F
18. LOBSTERGB [American lobster Georges Bank]	TB SSB	ER F	TB SSB	ER F
19. LOBSTERGOM [American lobster Gulf of Maine]	TB SSB	ER F	TB SSB	ER F
20. LOBSTERSNE [American lobster Southern New England]	TB SSB	ER F	TB SSB	ER F
21. LSKAT5YCHATT [Little skate Gulf of Maine / Cape Hatteras]	TB SSB	ER F	TB SSB	ER F
22. MENATLAN [Atlantic menhaden Atlantic]	TB SSB	ER F	TB SSB	ER F
23. MONKGOMNGB [Monkfish Gulf of Maine / Northern Georges Bank]	TB SSB	ER F	TB SSB	ER F
24. MONKSGBMATL [Monkfish Southern Georges Bank / Mid-Atlantic]	TB SSB	ER F	TB SSB	ER F
25. OPOUTNWATLC [Ocean pout Northwestern Atlantic Coast]	TB SSB	ER F	TB SSB	ER F
26. PANDALGOM [Northern shrimp Gulf of Maine]	TB SSB	ER F	TB SSB	ER F
27. POLL5YZ [Pollock Gulf of Maine / Georges Bank]	TB SSB	ER F	TB SSB	ER F
28. QUAHATLC [Ocean quahog Atlantic Coast]	TB SSB	ER F	TB SSB	ER F
29. RDEEPCRABNWATL [Red deepsea crab Northwestern Atlantic]	TB SSB	ER F	TB SSB	ER F
30. RHAKEGOMNGB [Red hake Gulf of Maine / Northern Georges Bank]	TB SSB	ER F	TB SSB	ER F
31. RHAKESGBMATL [Red hake Southern Georges Bank / Mid-Atlantic]	TB SSB	ER F	TB SSB	ER F
32. RSKATMATLC [Rosette skate Mid-Atlantic Coast]	TB SSB	ER F	TB SSB	ER F
33. SCALL5ZMAB [Sea scallop Georges Bank and Mid-Atlantic Bight]	TB SSB	ER F	TB SSB	ER F
34. SCHHEADATL [Scalloped hammerhead Atlantic]	TB SSB	ER F	TB SSB	ER F
35. SCUPNWATLC [Scup Northwestern Atlantic Coast]	TB SSB	ER F	TB SSB	ER F

36. SDOGATLC [Spiny dogfish Atlantic Coast]	TB SSB	ER F	TB SSB	ER F
37. SFLOUNMATLC [Summer flounder Mid-Atlantic Coast]	TB SSB	ER F	TB SSB	ER F
38. SHAKEGOMNGB [Silver hake Gulf of Maine / Georges Bank]	TB SSB	ER F	TB SSB	ER F
39. SHAKESGBMATL [Silver hake Southern Georges Bank / Mid-Atlantic]	TB SSB	ER F	TB SSB	ER F
40. SMDOGATL [Smooth dogfish Atlantic]	TB SSB	ER F	TB SSB	ER F
41. SSKAT5YZSNE [Smooth skate Gulf of Maine / Georges Bank-Southern New England]	TB SSB	ER F	TB SSB	ER F
42. STRIPEDBASSGOMCHATT [Striped bass Gulf of Maine / Cape Hatteras]	TB SSB	ER F	TB SSB	ER F
43. SURFMATLC [Atlantic surfclam Mid-Atlantic Coast]	TB SSB	ER F	TB SSB	ER F
44. TILEMATLC [Tilefish Mid-Atlantic Coast]	TB SSB	ER F	TB SSB	ER F
45. TSKAT5YZSNE [Thorny skate Gulf of Maine / Georges Bank-Southern New England]	TB SSB	ER F	TB SSB	ER F
46. WEAKEFISHATLC [Weakfish Atlantic Coast]	TB SSB	ER F	TB SSB	ER F
47. WHAKEGBGOM [White hake Gulf of Maine / Georges Bank]	TB SSB	ER F	TB SSB	ER F
48. WINDOWGOMGB [Windowpane flounder Gulf of Maine / Georges Bank]	TB SSB	ER F	TB SSB	ER F
49. WINDOWSNEMATL [Windowpane flounder Southern New England /Mid Atlantic]	TB SSB	ER F	TB SSB	ER F
50. WINFLOUN5Z [Winter flounder Georges Bank]	TB SSB	ER F	TB SSB	ER F
51. WINFLOUND5Y [Winter flounder Gulf of Maine]	TB SSB	ER F	TB SSB	ER F
52. WINFLOUNSNEMATL [Winter flounder Southern New England /Mid Atlantic]	TB SSB	ER F	TB SSB	ER F
53. WITFLOUN5Y [Witch flounder Gulf of Maine]	TB SSB	ER F	TB SSB	ER F
54. WSKAT5YCHATT [Winter skate Gulf of Maine / Cape Hatteras]	TB SSB	ER F	TB SSB	ER F
55. YELLCCODGOM [Yellowtail flounder Cape Cod / Gulf of Maine]	TB SSB	ER F	TB SSB	ER F
56. YELLGB [Yellowtail flounder Georges Bank]	TB SSB	ER F	TB SSB	ER F
57. YELLSNEMATL [Yellowtail flounder Southern New England /Mid Atlantic]	TB SSB	ER F	TB SSB	ER F

Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]

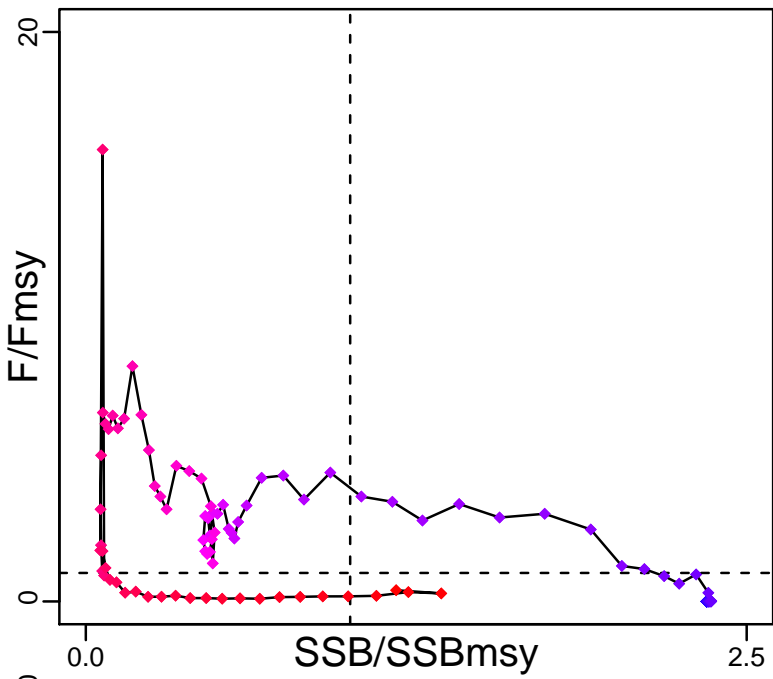
Metadata	
Scientific Name	Sebastes fasciatus
Current Assess ID	NEFSC-ACADREDGOMGB-1913-2014-SISIMP2016
Area	Gulf of Maine / Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2007, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	281,112
Fmsy	Fmsy-1/yr	2014	0.038
ERmsy	ERmsy-conv-ratio	2014	0.013
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	0.038
ERlim	-	-	-

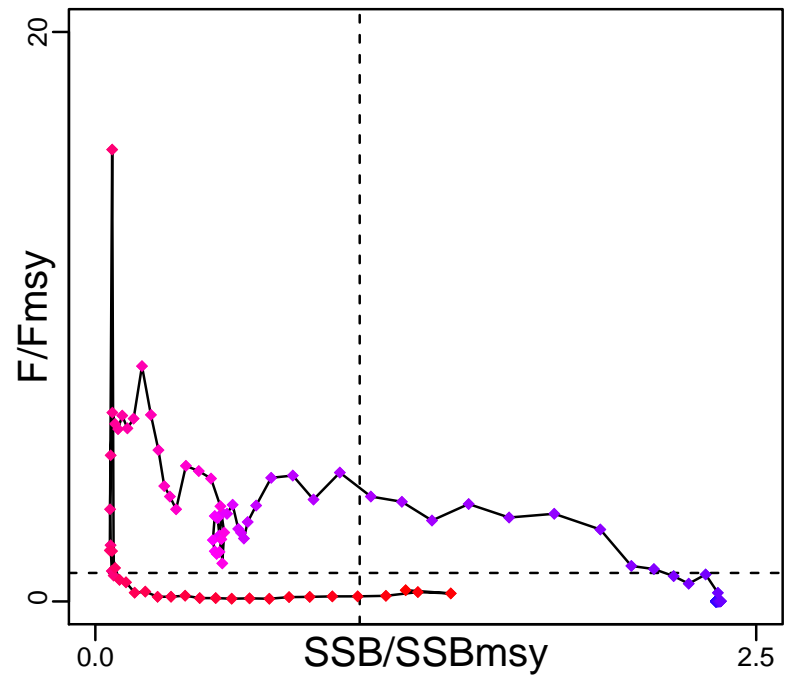
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	330,000	Both	-
TN	-	-	-	-	-
R	R-E00	2014	1.09×10^8	-	1
F	F-1/yr	2014	0.015	-	-
ER	ER-calc-ratio	2014	0.005	-	-
TC	TC-MT	2014	5090		
TL	TL-MT	2007	787		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	1.174		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.395		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.414		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]

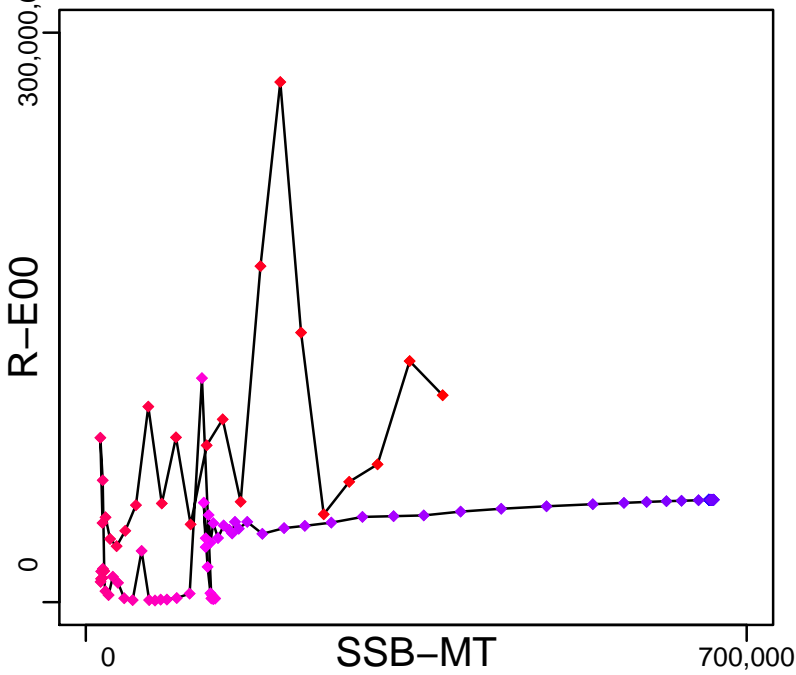
Kobe MSYpref (1913–2014–SISIMP2016)



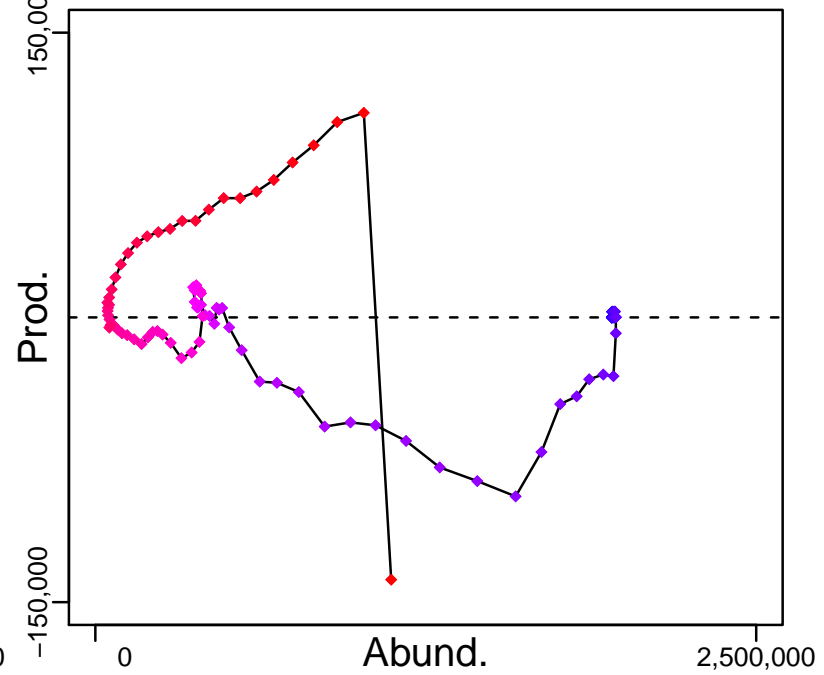
Kobe MGTpref (1913–2014–SISIMP2016)



Spawner Recruit (1913–2014–SISIMP2016)



Production (1913–2014–SISIMP2016)



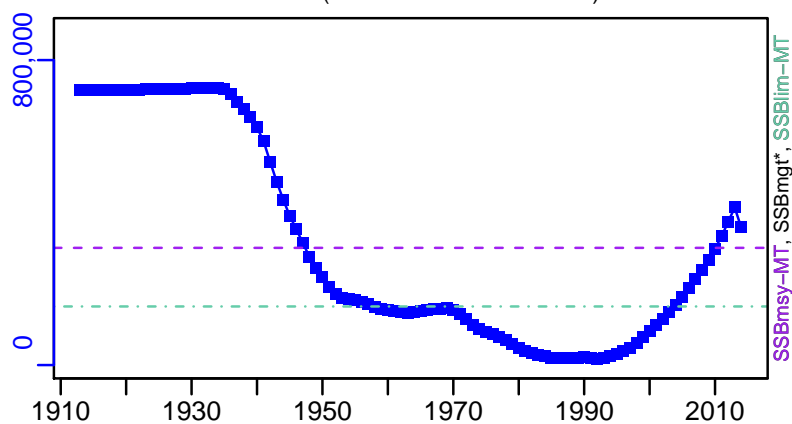
◆ Start Year ◆ End Year * No Data

Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]

TB*



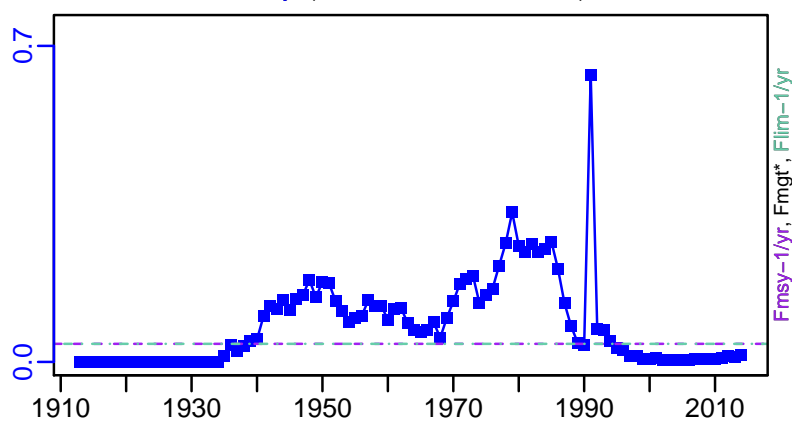
SSB-MT (1913-2014-SISIMP2016)



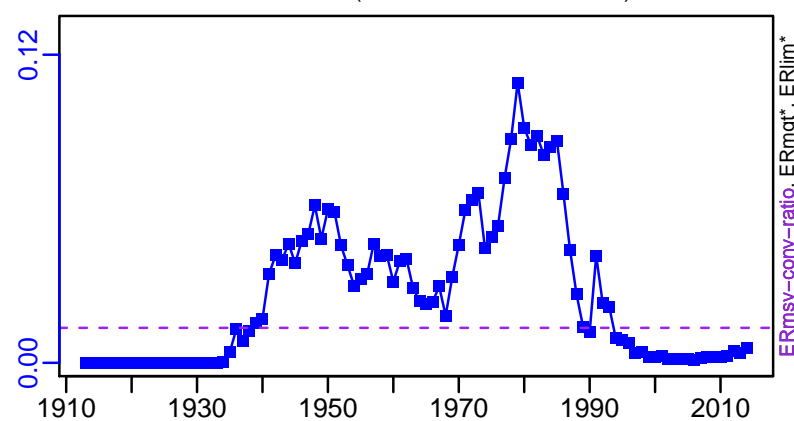
TN *



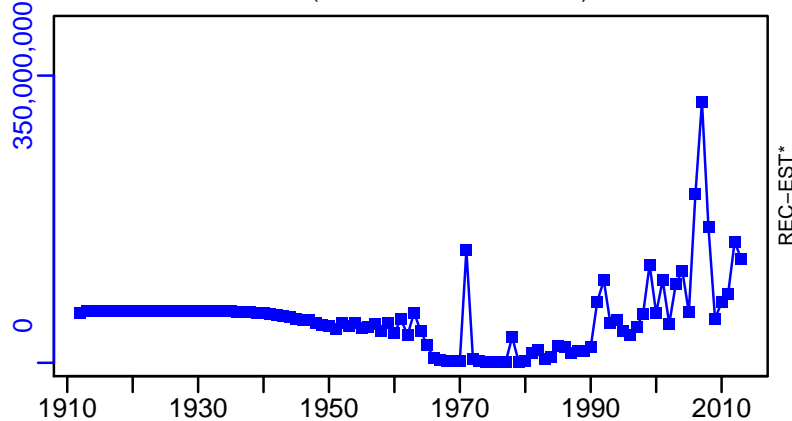
F-1/yr (1913-2014-SISIMP2016)



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



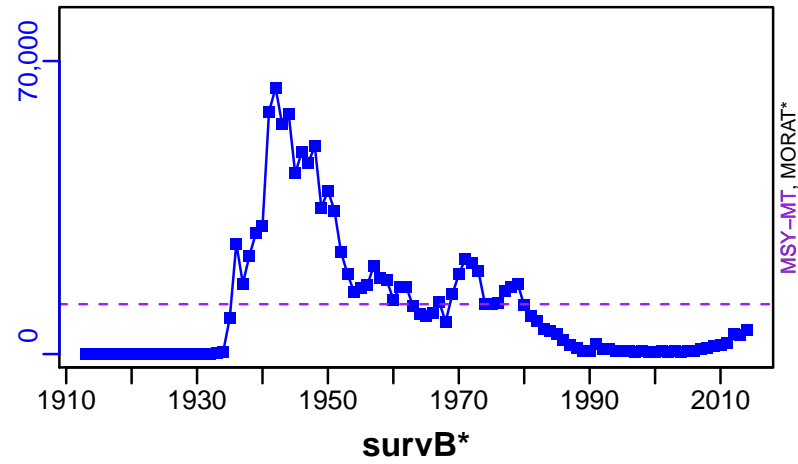
R-E00 (1913-2014-SISIMP2016)



Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]

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

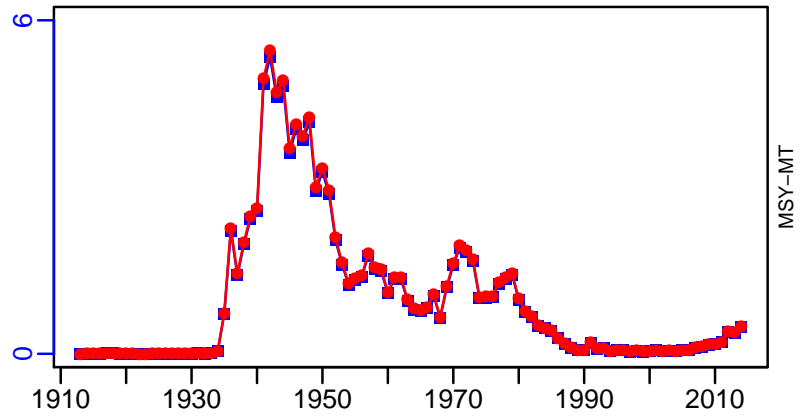
TAC*, Cpair*, Cadv*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1913–2014–SISIMP2016)



American plaice Gulf of Maine / Georges Bank [AMPL5YZ]

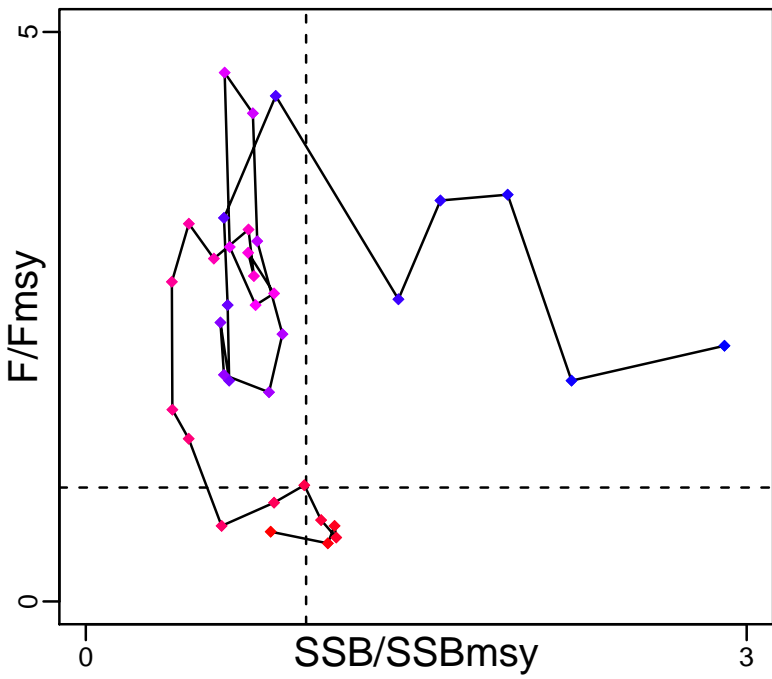
Metadata	
Scientific Name	Hippoglossoides platessoides
Current Assess ID	NEFSC-AMPL5YZ-1980-2014-SISIMP2016
Area	Gulf of Maine / Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2010, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	13,107
Fmsy	Fmsy-1/yr	2014	0.196
ERmsy	ERmsy-conv-ratio	2014	0.077
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	0.196
ERlim	-	-	-

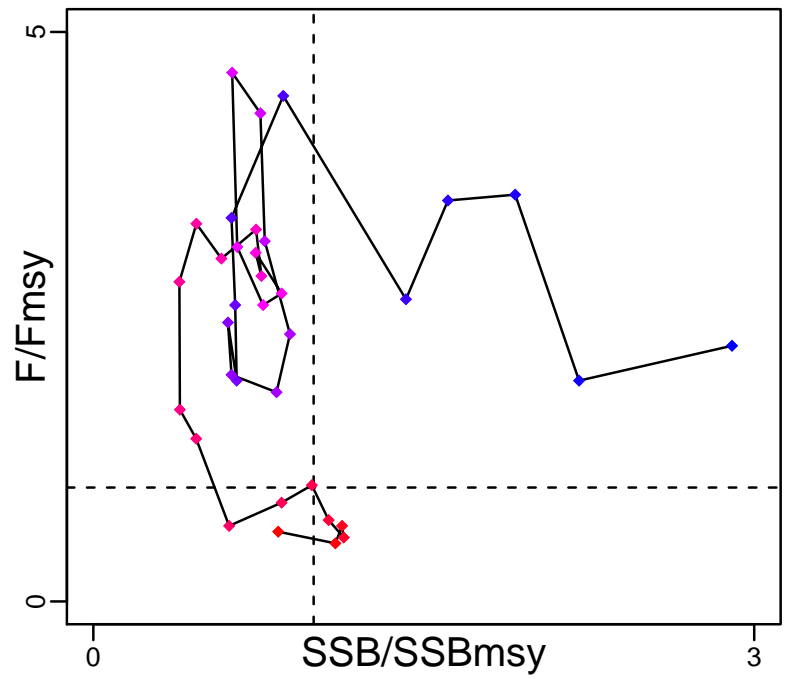
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	11,000	-	-
TN	-	-	-	-	-
R	R-E00	2014	30,300,000	-	1
F	F-1/yr	2014	0.12	-	6 to 9
ER	ER-calc-ratio	2014	0.045	-	-
TC	TC-MT	2014	1330		
TL	TL-MT	2010	1400		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.839		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.612		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.592		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

American plaice Gulf of Maine / Georges Bank [AMPL5YZ]

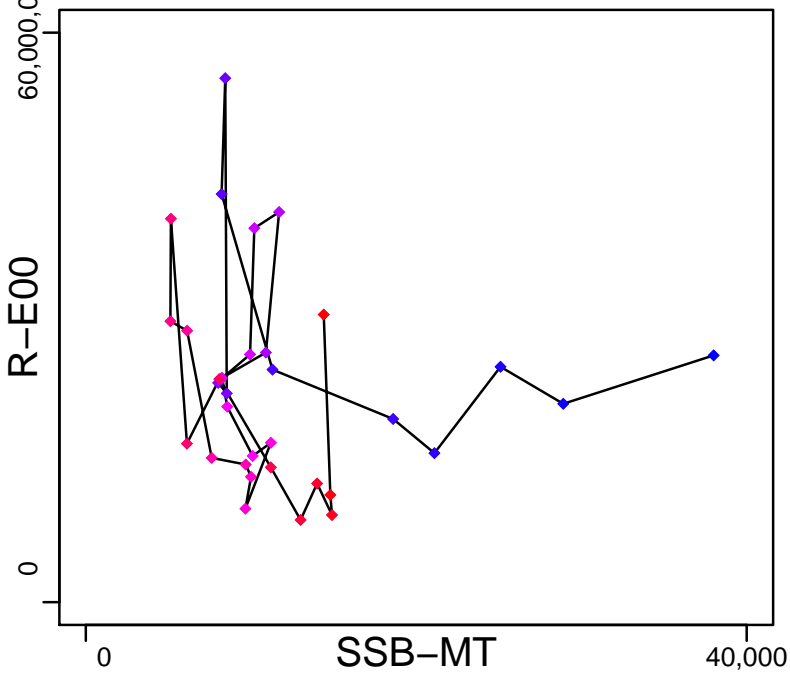
Kobe MSYpref (1980–2014–SISIMP2016)



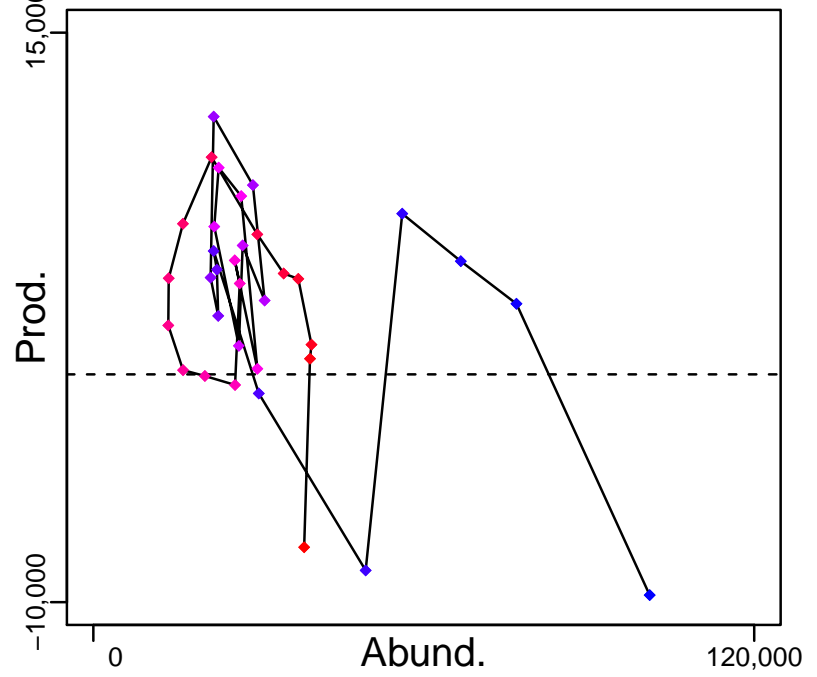
Kobe MGTpref (1980–2014–SISIMP2016)



Spawner Recruit (1980–2014–SISIMP2016)



Production (1980–2014–SISIMP2016)



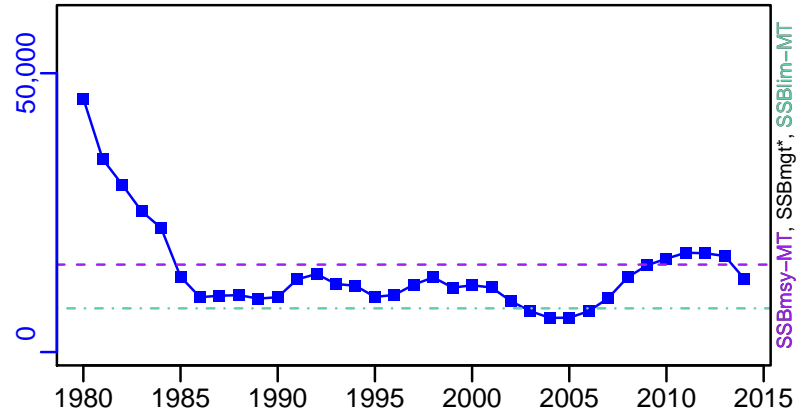
◆ Start Year ◆ End Year * No Data

American plaice Gulf of Maine / Georges Bank [AMPL5YZ]

TB*



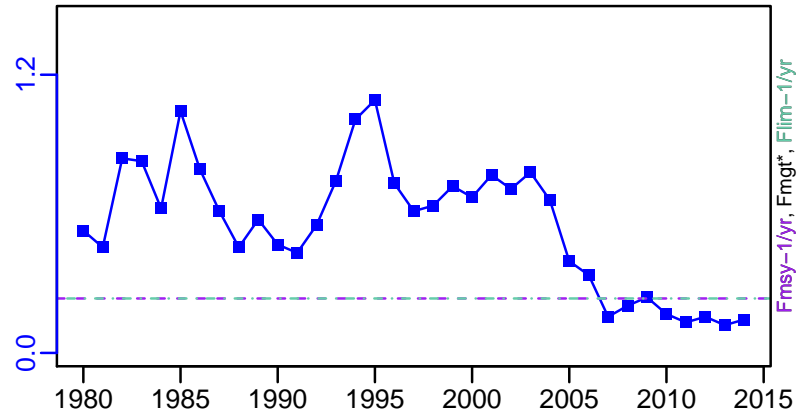
SSB-MT (1980–2014–SISIMP2016)



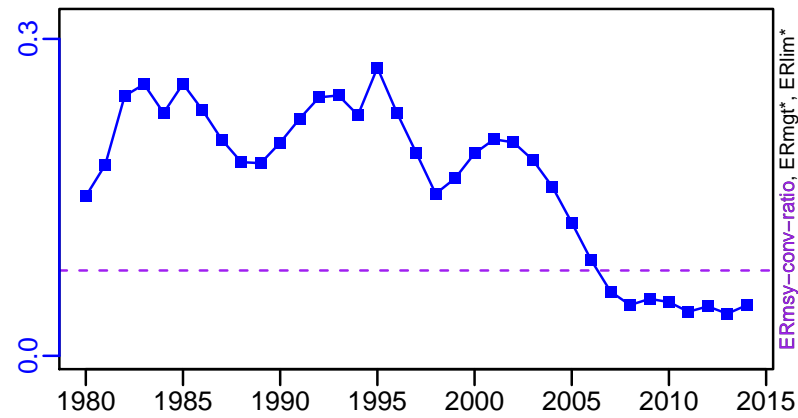
TN *



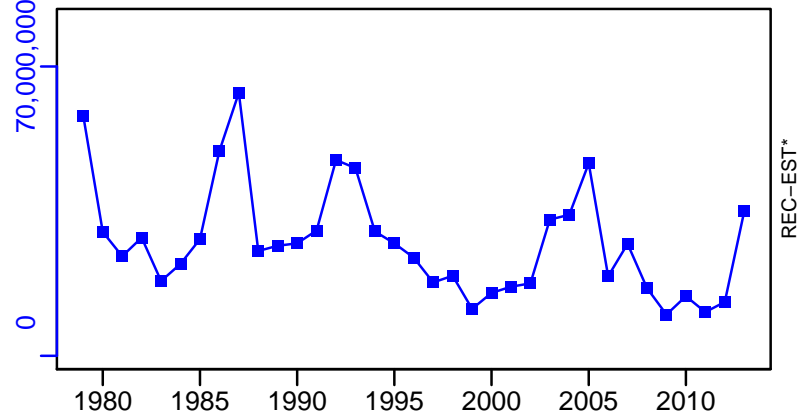
F-1/yr (1980–2014–SISIMP2016)



ER-calc-ratio (1980–2014–SISIMP2016)



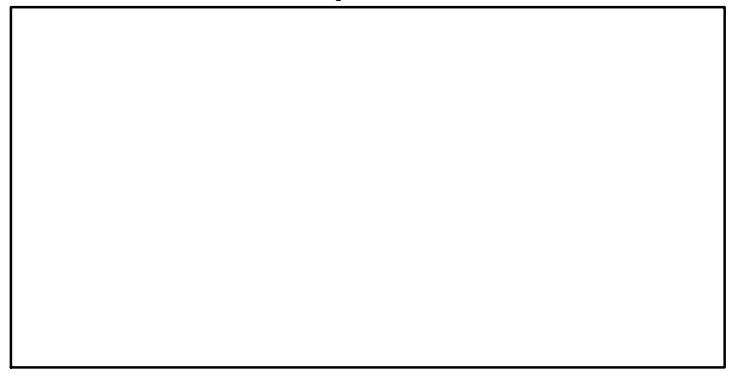
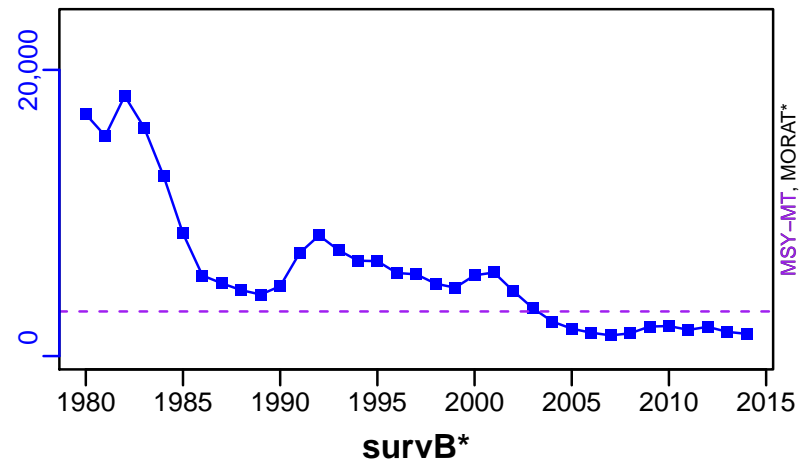
R-E00 (1980–2014–SISIMP2016)



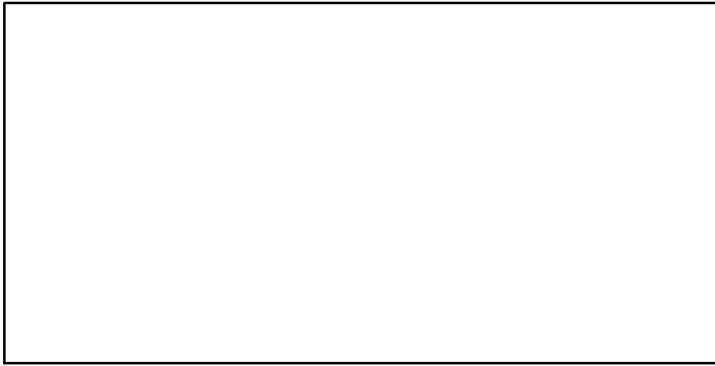
American plaice Gulf of Maine / Georges Bank [AMPL5YZ]

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

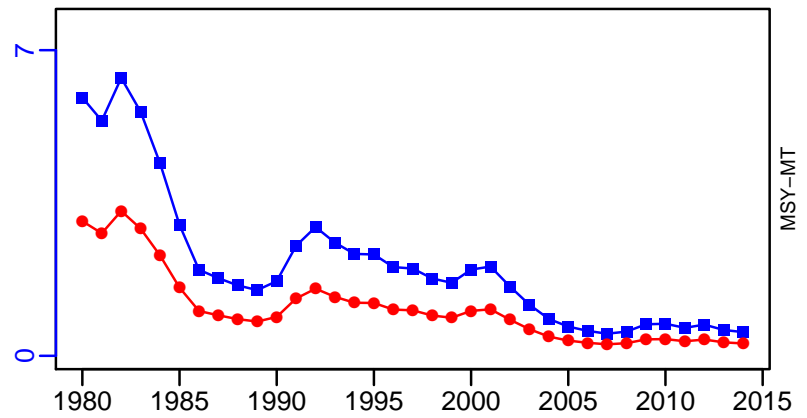
TAC*, Cpair*, Cadv*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1980-2014-SISIMP2016)



Atlantic halibut Gulf of Maine / Georges Bank [ATHAL5YZ]

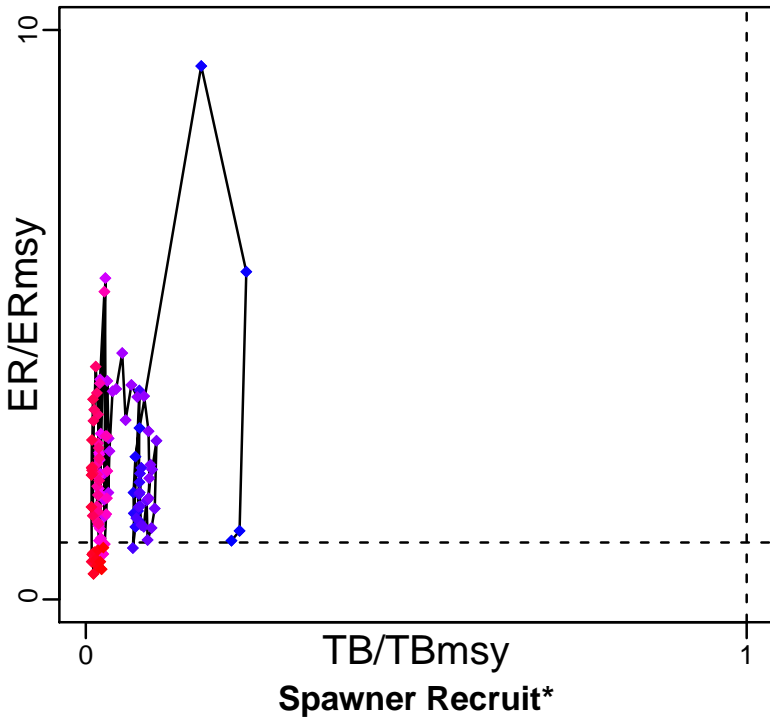
Metadata	
Scientific Name	Hippoglossus hippoglossus
Current Assess ID	NEFSC-ATHAL5YZ-1800-2007-COL
Area	Gulf of Maine / Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2007

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2007	49,000
SSBmsy	SSBmsy-MT	2007	49,000
Fmsy	Fmsy-1/yr	2007	0.073
ERmsy	ERmsy-ratio	2007	0.071
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2007	3500
M	M-1/yr	2007	0.15
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

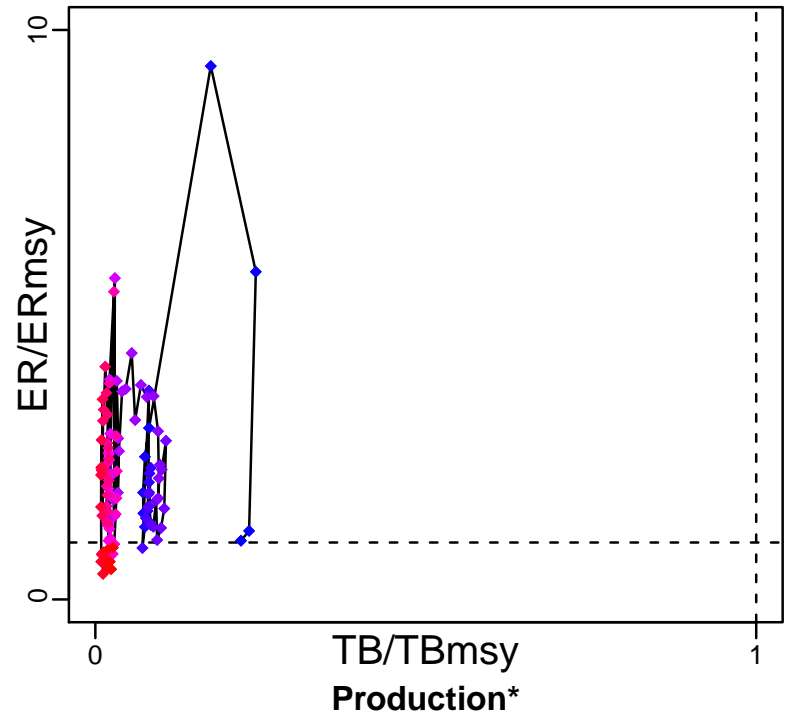
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2007	1300	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2007	0.065	-	-
ER	ER-ratio	2007	0.065	-	-
TC	TC-MT	2007	84		
TL	TL-MT	2007	52		
TB/TBmsy	TB-MT/TBmsy-MT	2007	0.027		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2007	0.89		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	0.91		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Atlantic halibut Gulf of Maine / Georges Bank [ATHAL5YZ]

Kobe MSYpref (1800–2007–COL)



Kobe MGTpref (1800–2007–COL)

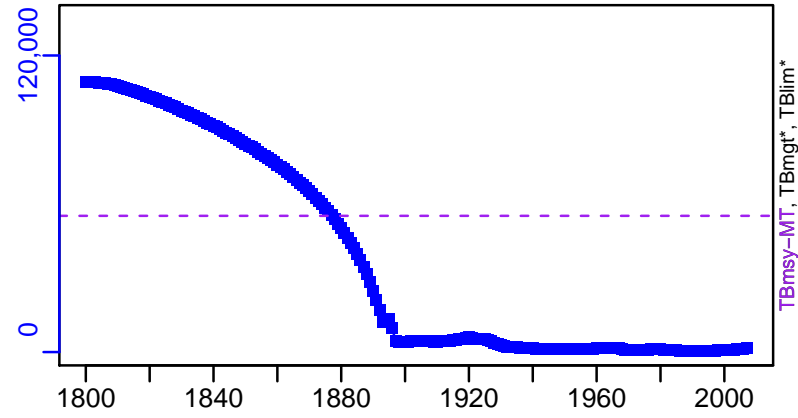


◆ Start Year ◆ End Year * No Data

Atlantic halibut Gulf of Maine / Georges Bank [ATHAL5YZ]

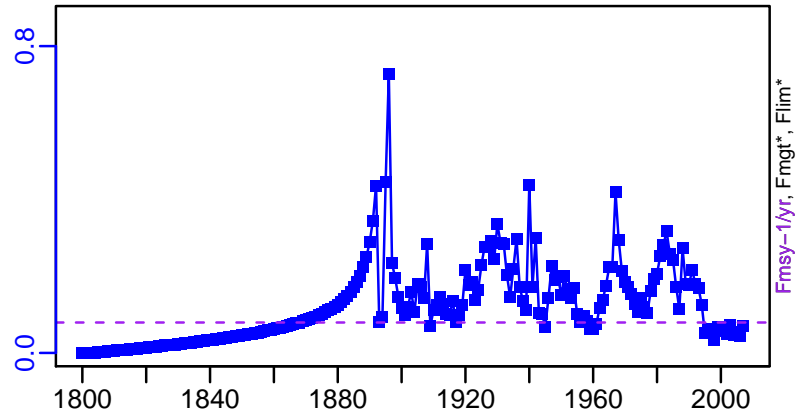
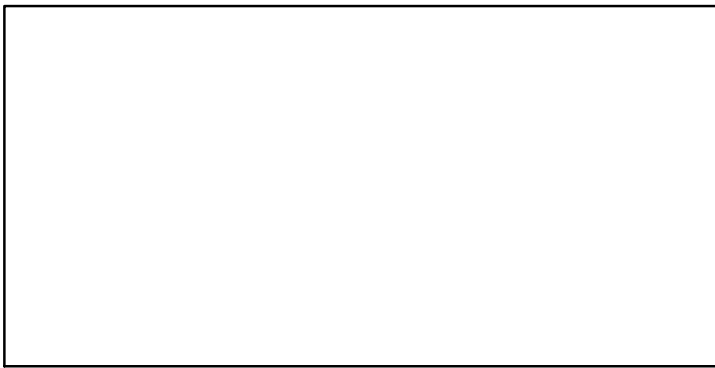
TB-MT (1800–2007–COL)

SSB*



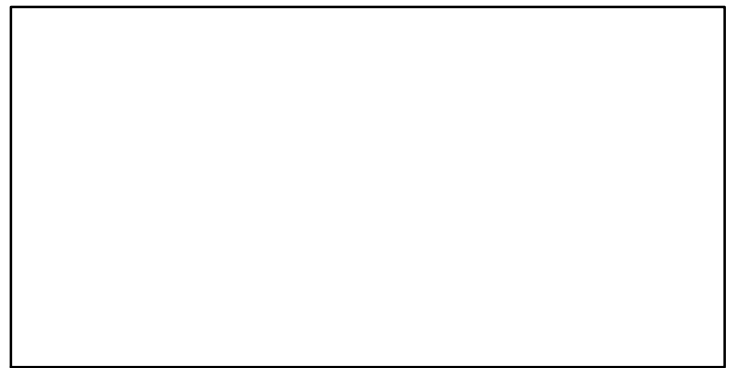
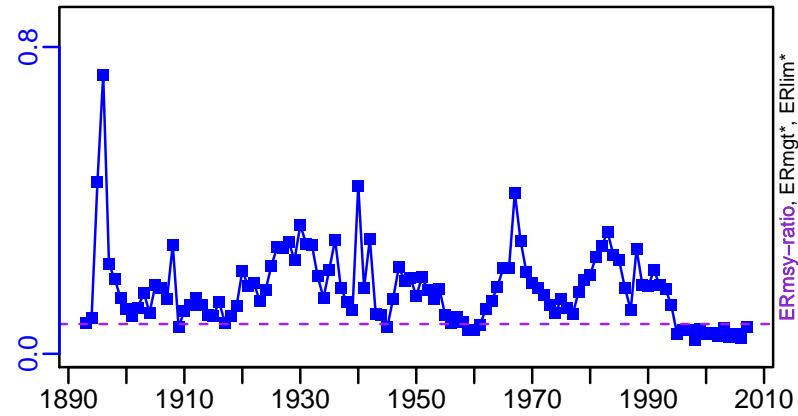
TN *

F-1/yr (1800–2007–COL)



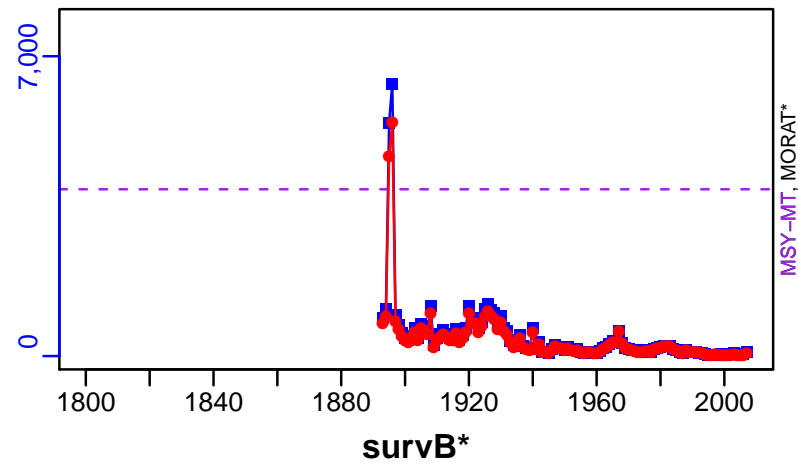
ER-ratio (1800–2007–COL)

Recruits*



Atlantic halibut Gulf of Maine / Georges Bank [ATHAL5YZ]

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



TAC*, Cpair*, Cadv*



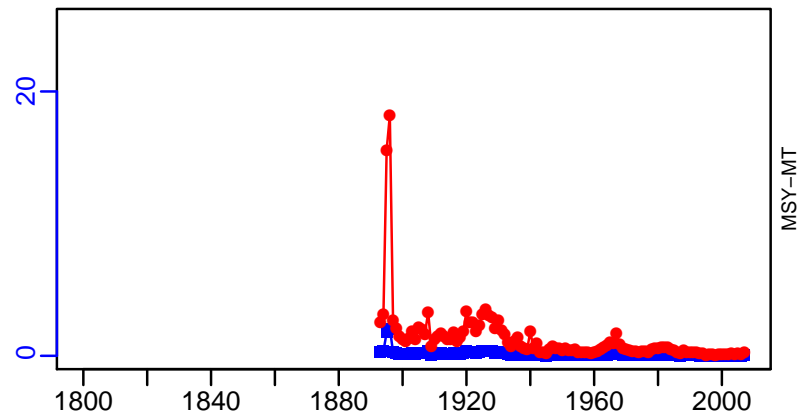
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1800-2007-COL)



Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]

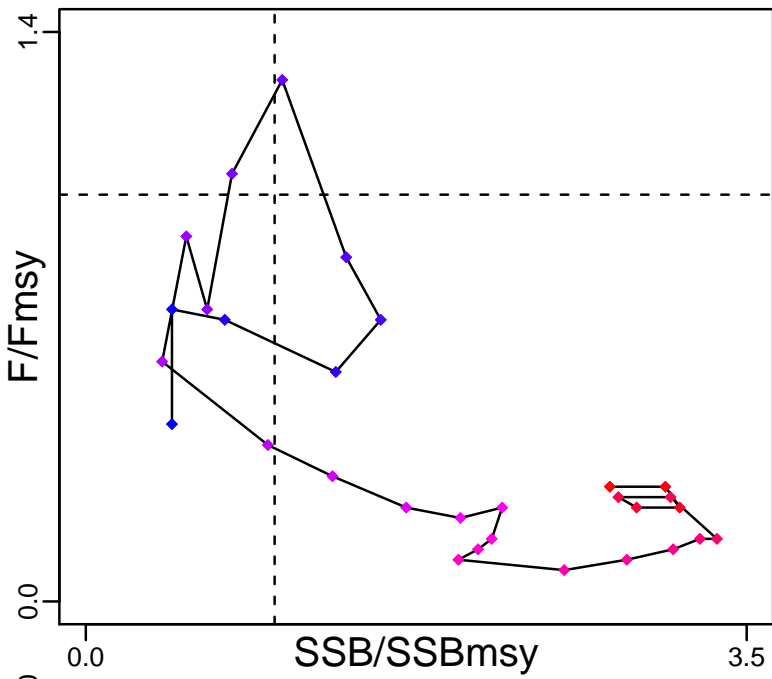
Metadata	
Scientific Name	Micropogonias undulatus
Current Assess ID	ASMFC-ATLCROAKMATLC-1973-2002-STANTON
Area	Mid-Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Atlantic States Marine Fisheries Commission
Asmts in RAM	2002

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2002	28,932
Fmsy	Fmsy-1/yr	2002	0.39
ERmsy	ERmsy-est-ratio	2002	0.228
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2002	6648
M	M-1/yr	2002	0.3
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

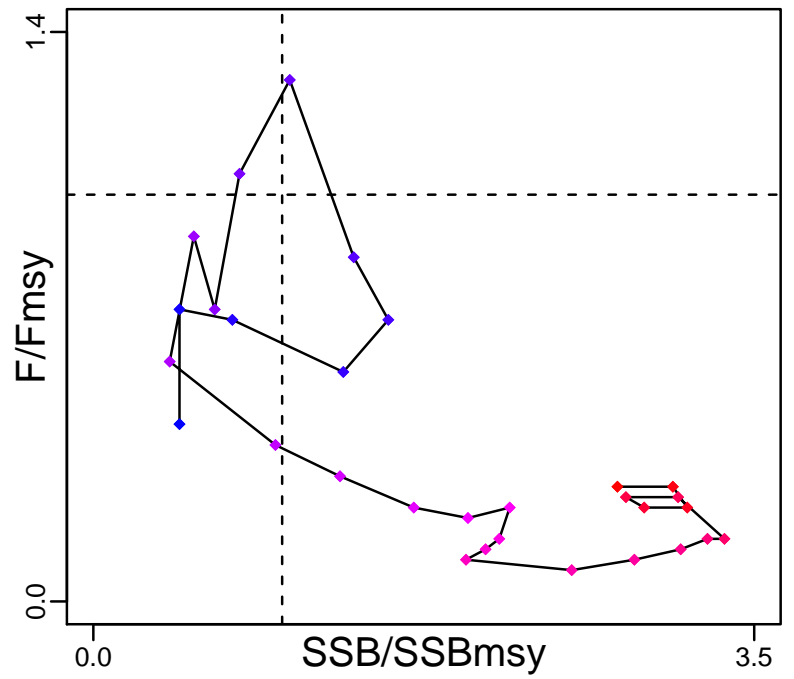
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2002	80,300	Females	1+
TN	-	-	-	-	-
R	R-E00	2002	3.39×10^8	-	0
F	F-1/yr	2002	0.11	-	1 to 10
ER	ER-ratio	2002	0.088	-	-
TC	-	-	-		
TL	TL-MT	2002	16,300		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2002	2.775		
F/Fmsy	F-1/yr/Fmsy-1/yr	2002	0.282		
ER/ERmsy	ER-ratio/ERmsy-est-ratio	2002	0.387		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]

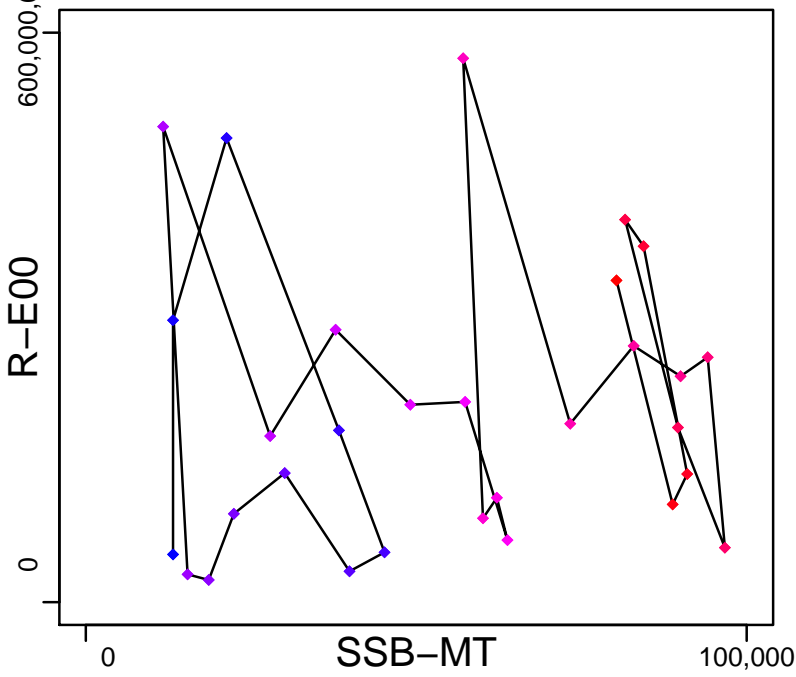
Kobe MSYpref (1973–2002–STANTON)



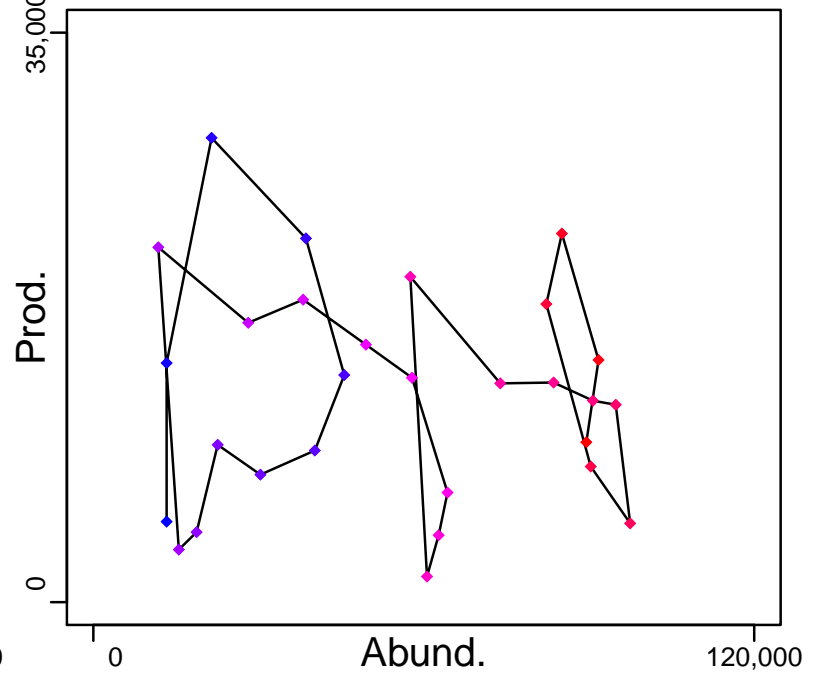
Kobe MGTpref (1973–2002–STANTON)



Spawner Recruit (1973–2002–STANTON)



Production (1973–2002–STANTON)



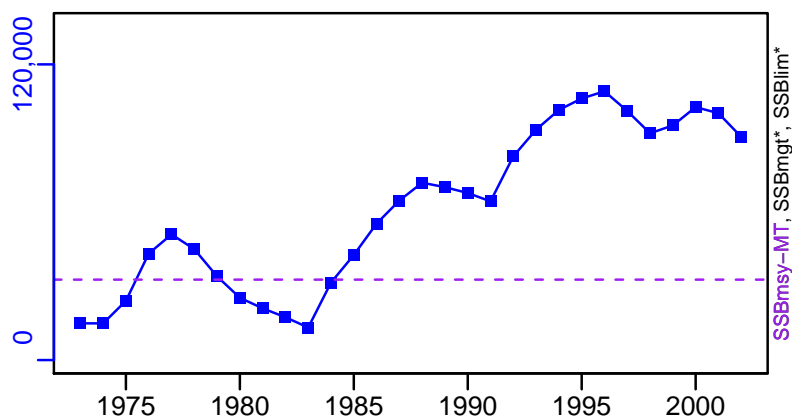
◆ Start Year ◆ End Year * No Data

Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]

TB*



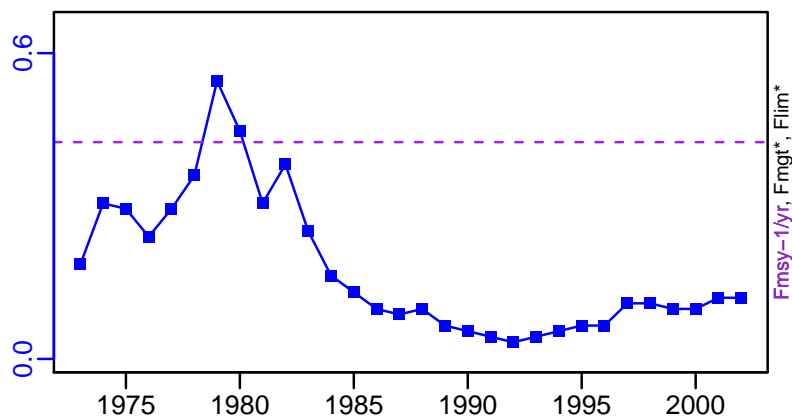
SSB-MT (1973-2002-STANTON)



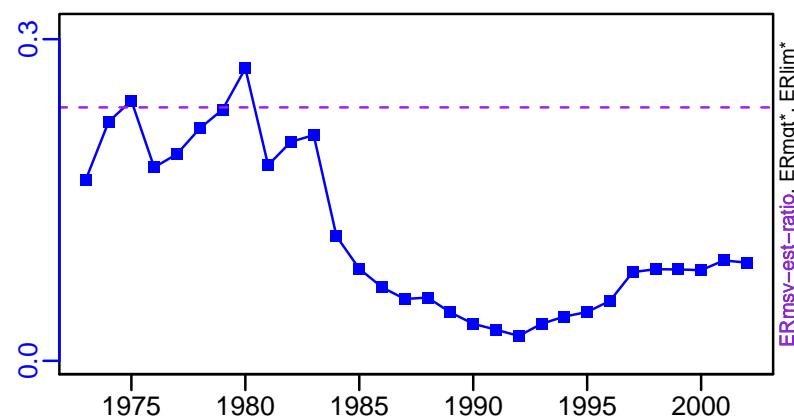
TN *



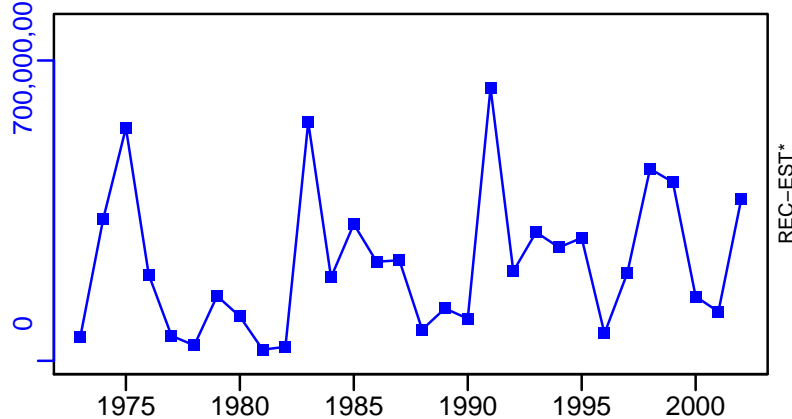
F-1/yr (1973-2002-STANTON)



ER-ratio (1973-2002-STANTON)



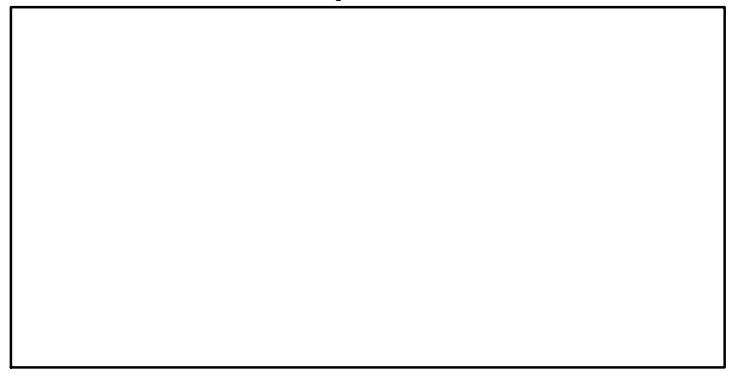
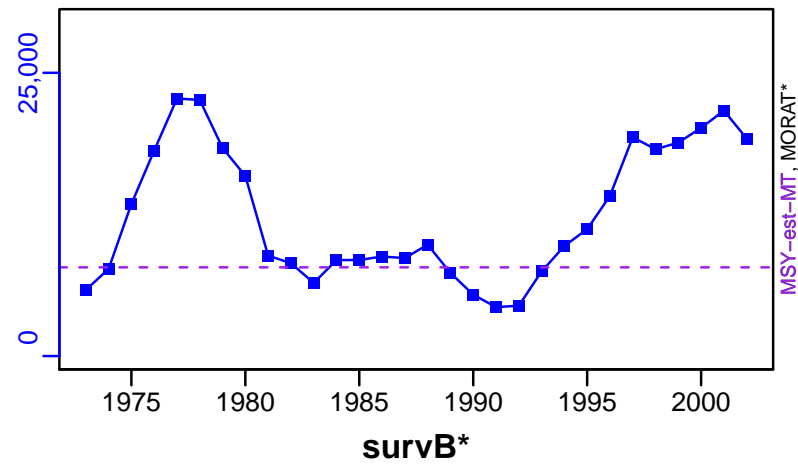
R-E00 (1973-2002-STANTON)



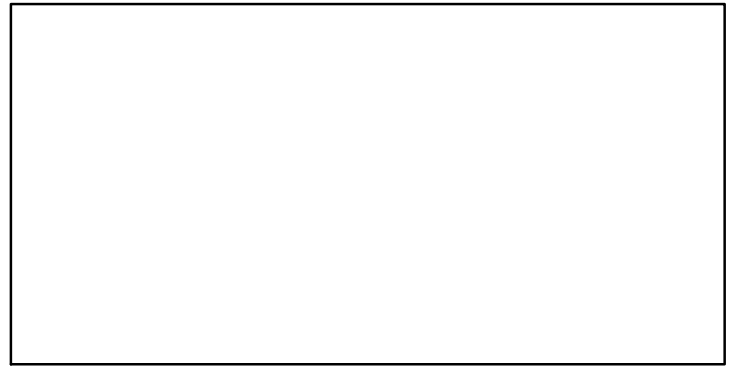
Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]

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

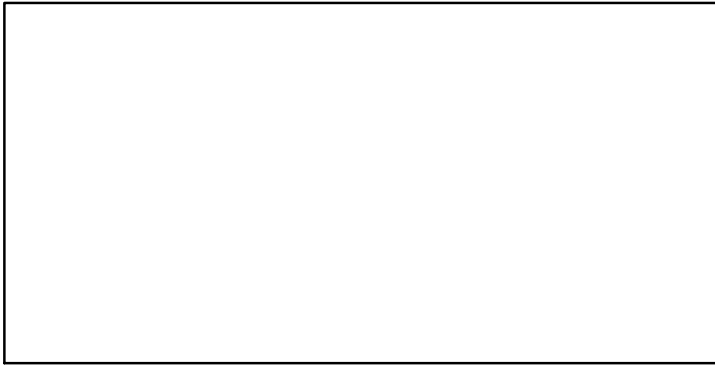
TAC*, Cpair*, Cadv*



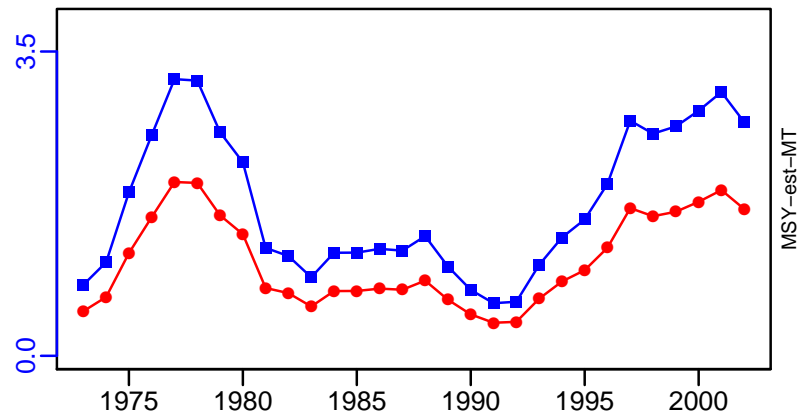
CPUE*



EFFORT*



TL-MT/MSY-est-MT, CdivMEANC-ratio, (1973-2002-STANTON)



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	0.243
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	244
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	Flim-1/yr	2014	0.243
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2014	0.003	-	-
ER	-	-	-	-	-
TC	TC-MT	2014	1.22		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.012		
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*



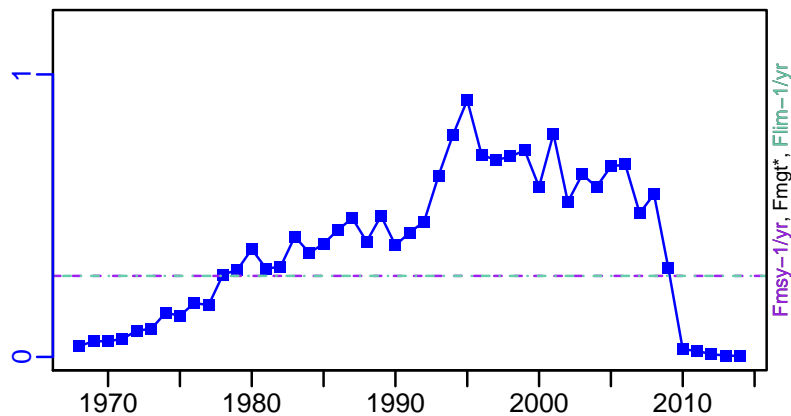
SSB*



TN *



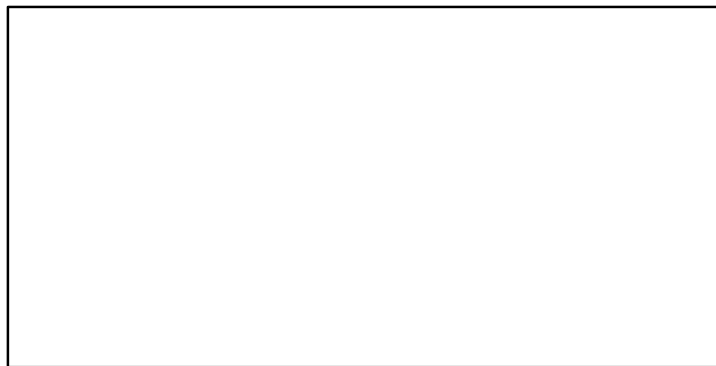
F-1/yr (1968–2014–SISIMP2016)



ER*

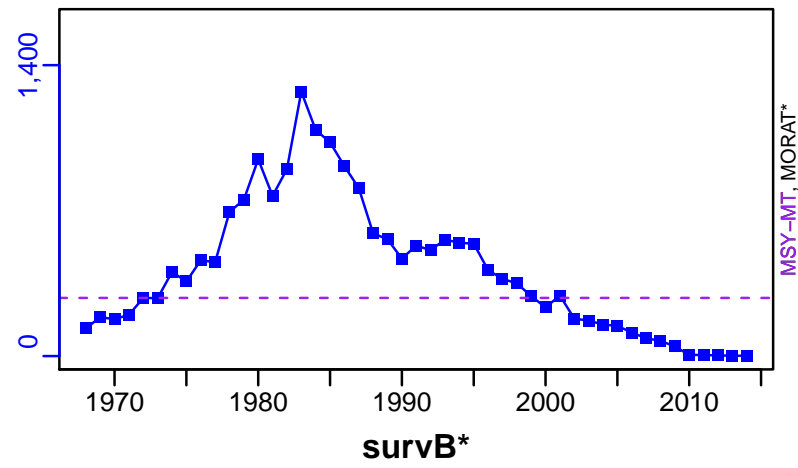


Recruits*



Atlantic wolffish Gulf of Maine / Georges Bank [AWOLF5YZ]

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



TAC*, Cpair*, Cadv*



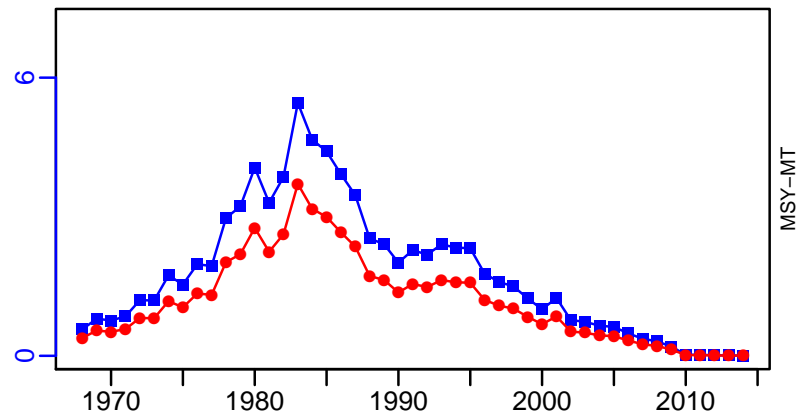
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1968–2014–SISIMP2016)



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

Blue crab Chesapeake Bay [BCRABCHESB]

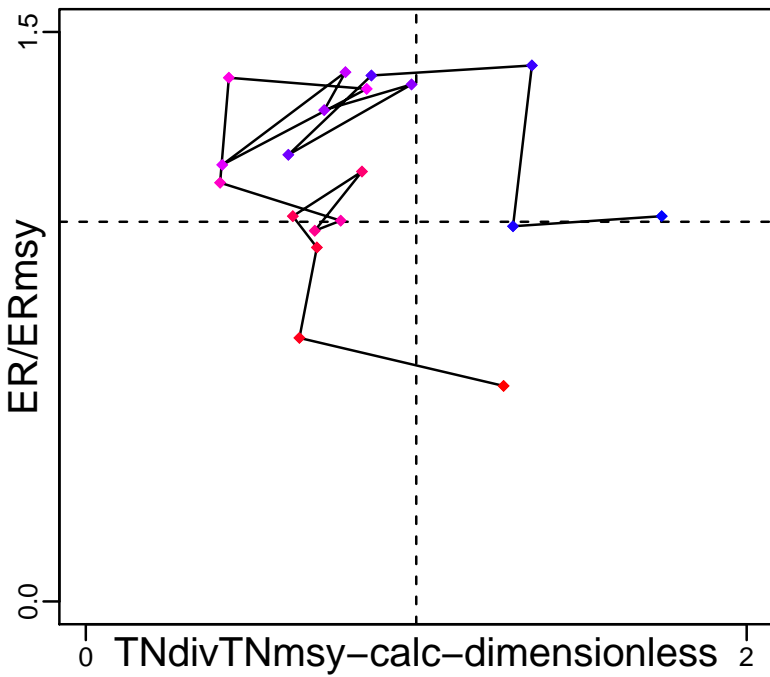
Metadata	
Scientific Name	Callinectes sapidus
Current Assess ID	CBP-BCRABCHESB-1990-2010-HIVELY
Area	Chesapeake Bay
Management Authority	State of Maryland
Assessor	Chesapeake Bay Program
Asmts in RAM	2010

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	0.193	-	-
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	0.568		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

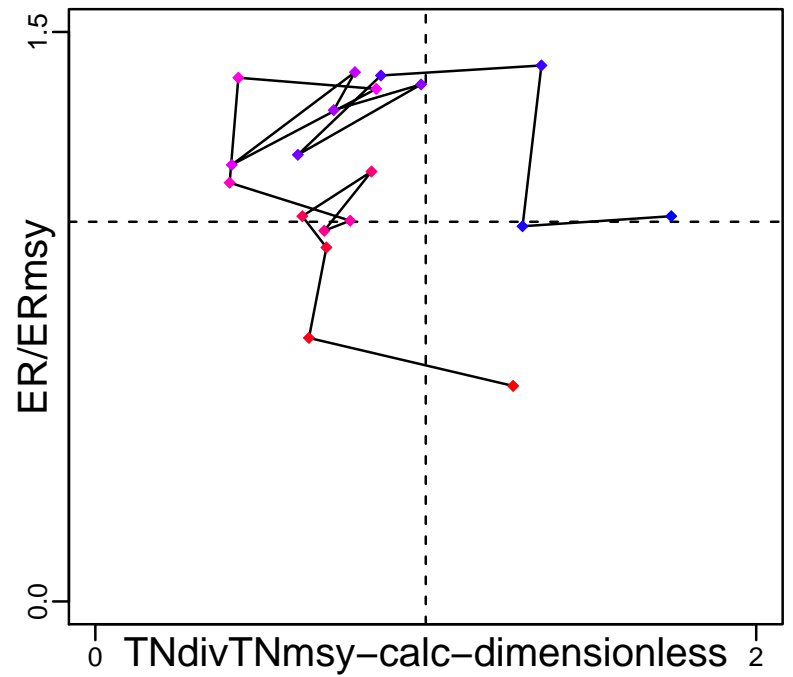
Blue crab Chesapeake Bay [BCRABCHESB]

Kobe MSYpref (1990–2010–HIVELY)



Spawner Recruit*

Kobe MGTpref (1990–2010–HIVELY)



Production*

◆ Start Year ◆ End Year * No Data

Blue crab Chesapeake Bay [BCRABCHESB]

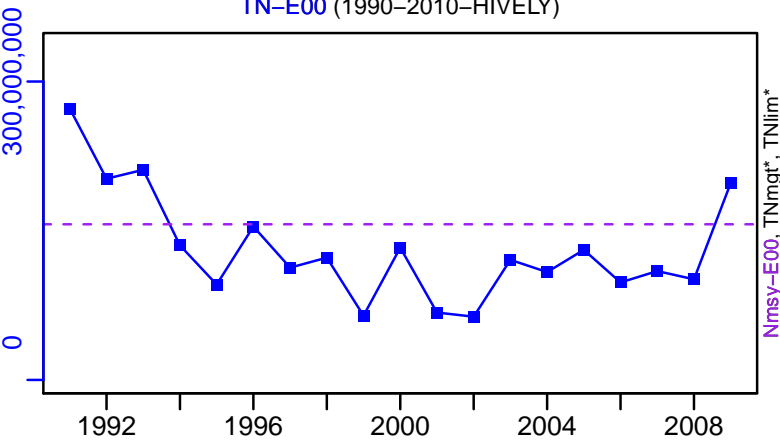
TB*



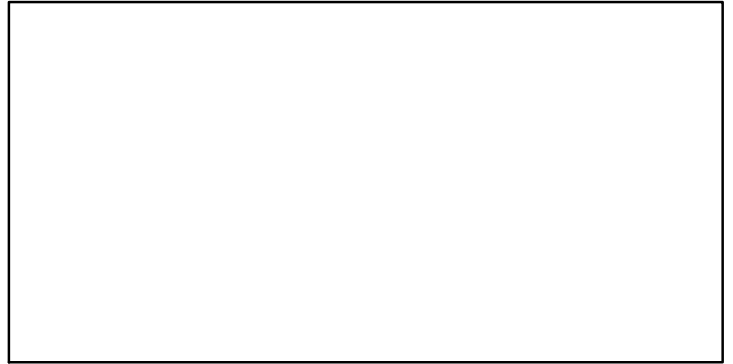
SSB*



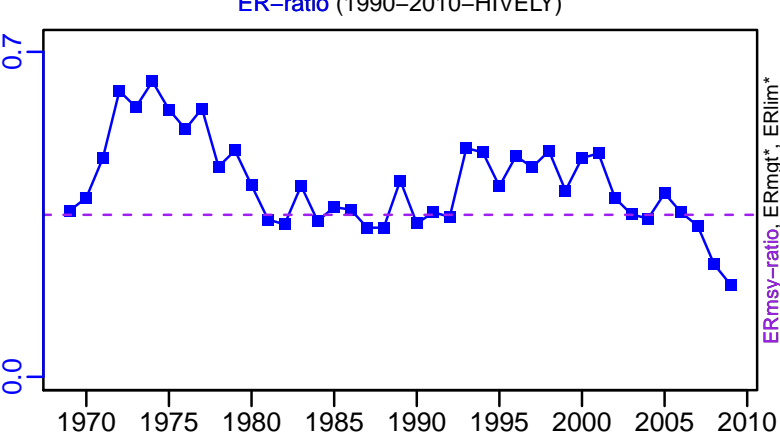
TN-E00 (1990-2010-HIVELY)



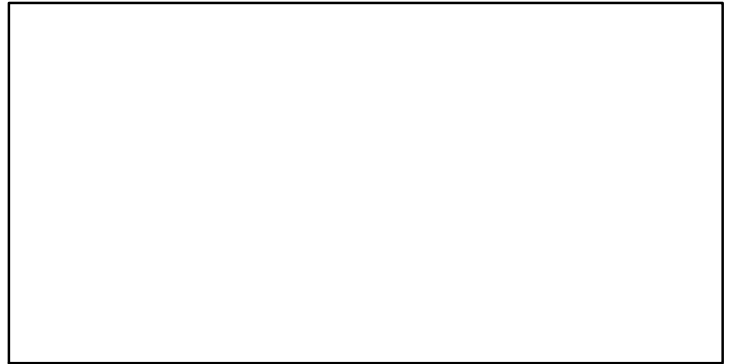
F*



ER-ratio (1990-2010-HIVELY)



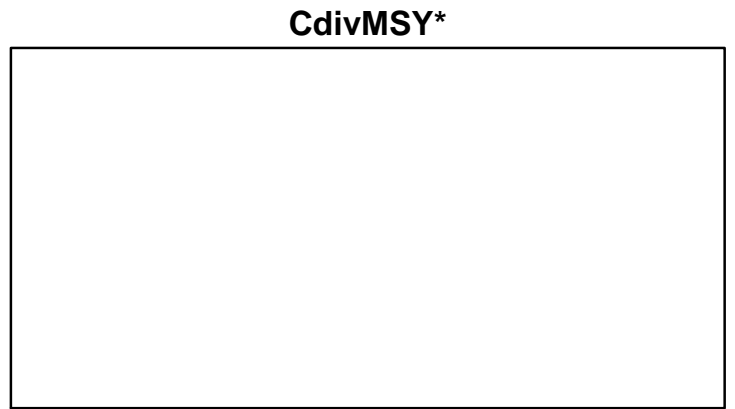
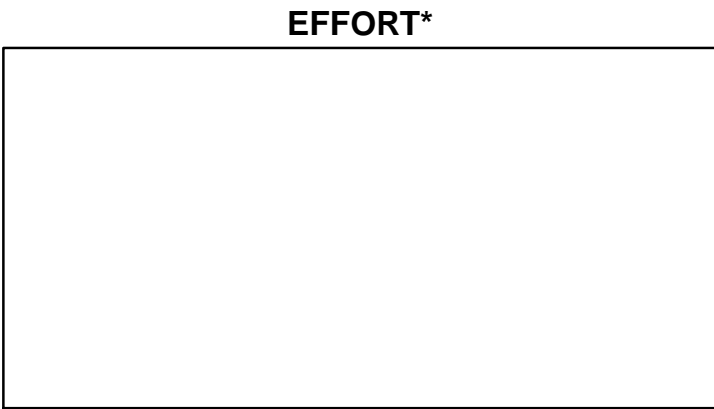
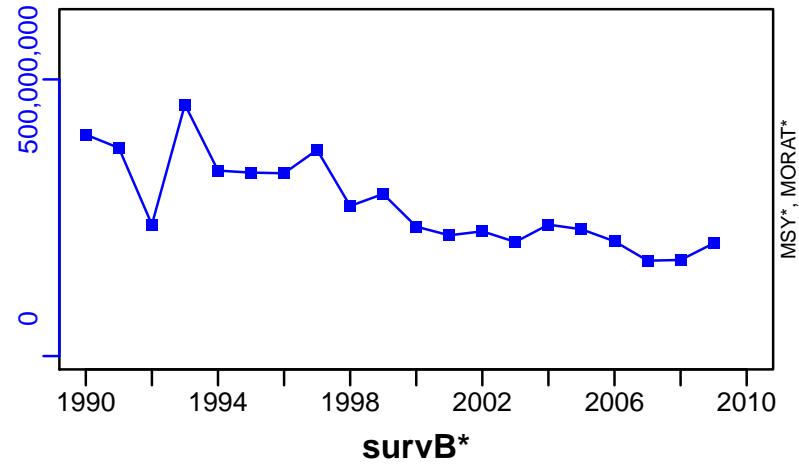
Recruits*



Blue crab Chesapeake Bay [BCRABCHESB]

TC-E00, TL*, RecC* (1990-2010-HIVELY)

TAC*, Cpair*, Cadv*



Bluefish Atlantic Coast [BLUEFISHATLC]

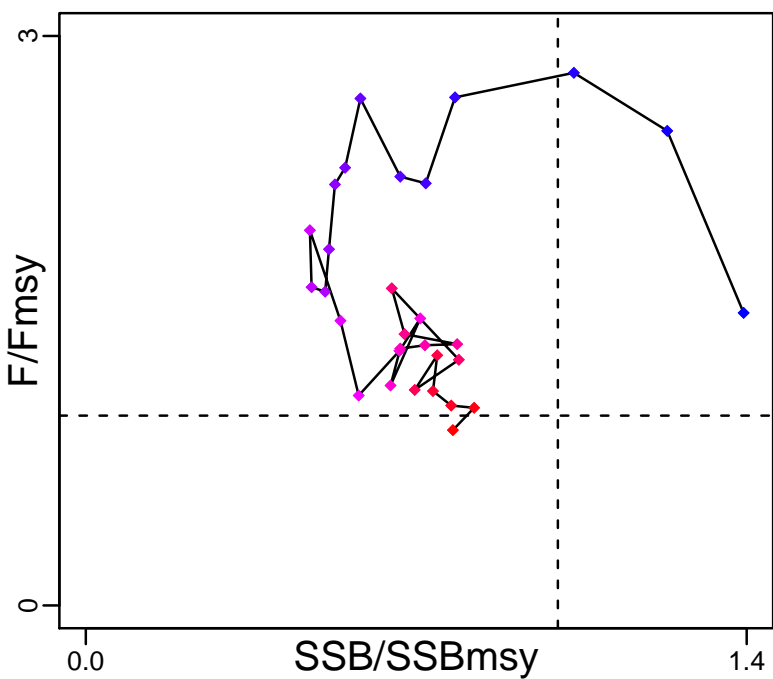
Metadata	
Scientific Name	Pomatomus saltatrix
Current Assess ID	NEFSC-BLUEFISHATLC-1985-2014-SISIMP2016
Area	Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2007, 2014

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	0.106
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	-	-	-

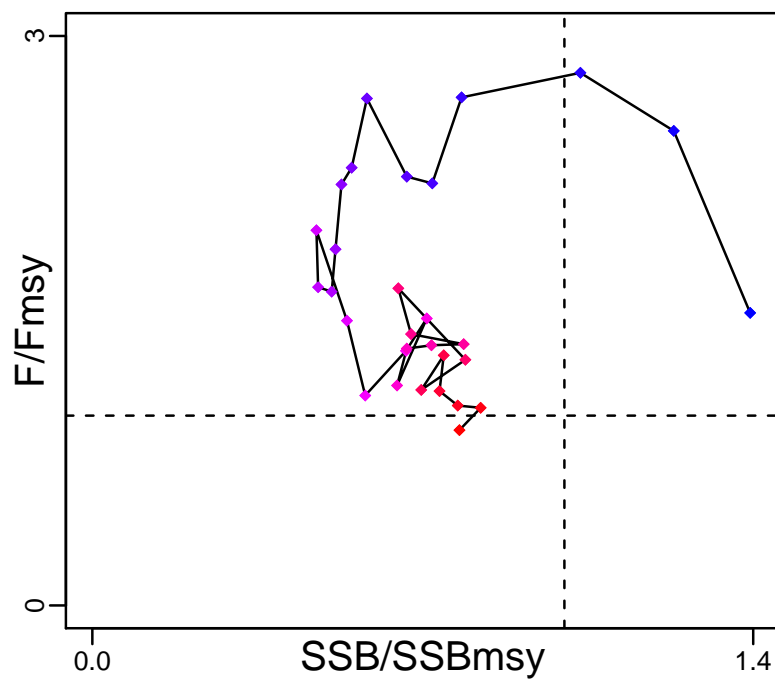
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	94,300	-	-
SSB	SSB-MT	2014	86,500	-	-
TN	-	-	-	-	-
R	R-E00	2014	29,600,000	-	0
F	F-1/yr	2014	0.157	-	-
ER	ER-calc-ratio	2014	0.104	-	-
TC	TC-MT	2014	9820		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-MT	2007	1.047		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.778		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.924		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	0.954		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Bluefish Atlantic Coast [BLUEFISHATLC]

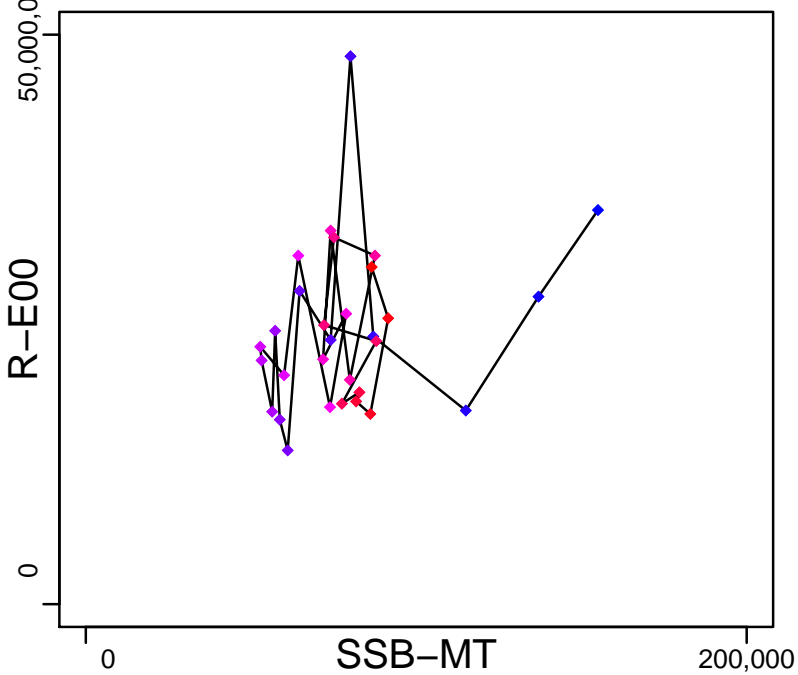
Kobe MSY_{pref} (1985–2014–SISIMP2016)



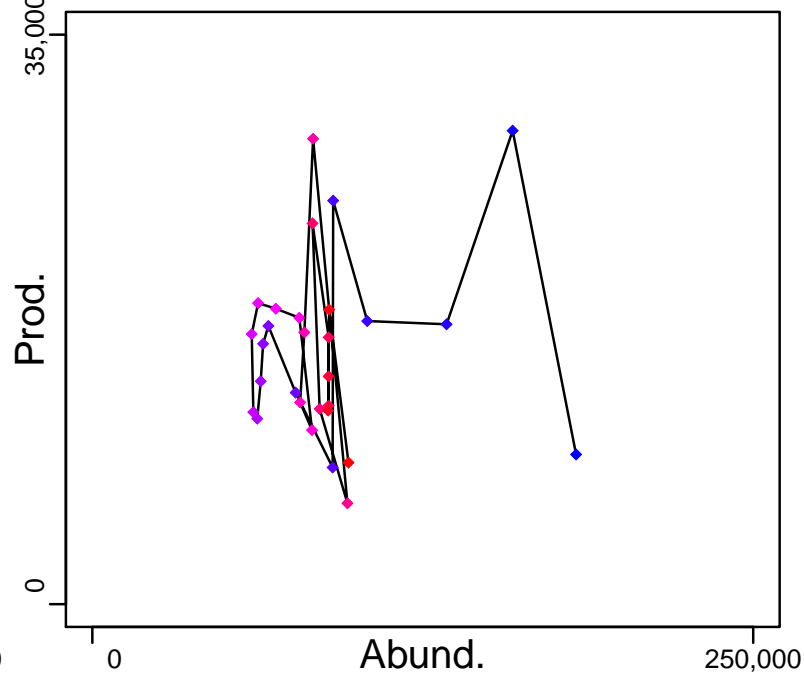
Kobe MGT_{pref} (1985–2014–SISIMP2016)



Spawner Recruit (1985–2014–SISIMP2016)



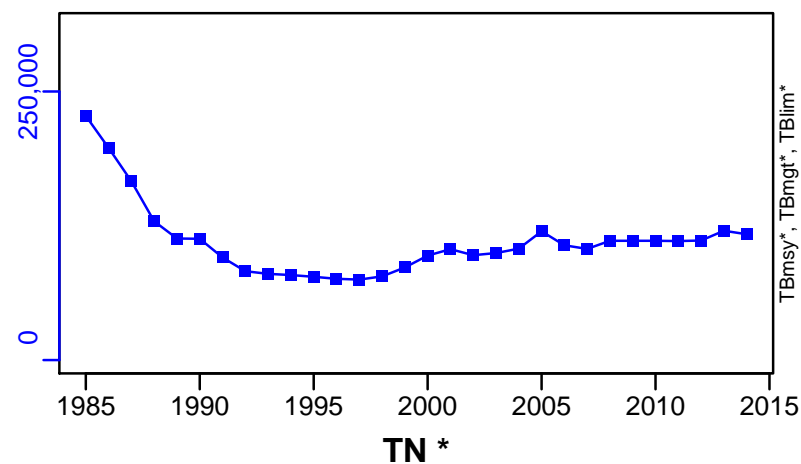
Production (1985–2014–SISIMP2016)



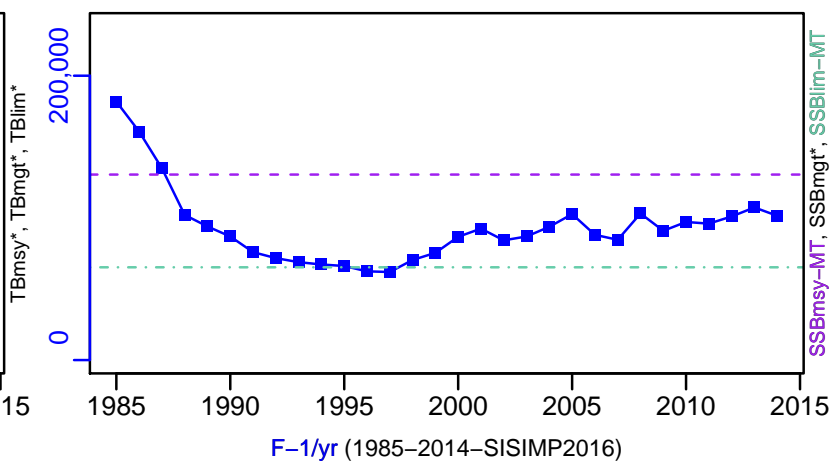
◆ Start Year ◆ End Year * No Data

Bluefish Atlantic Coast [BLUEFISHATLC]

TB-MT (1985–2014–SISIMP2016)



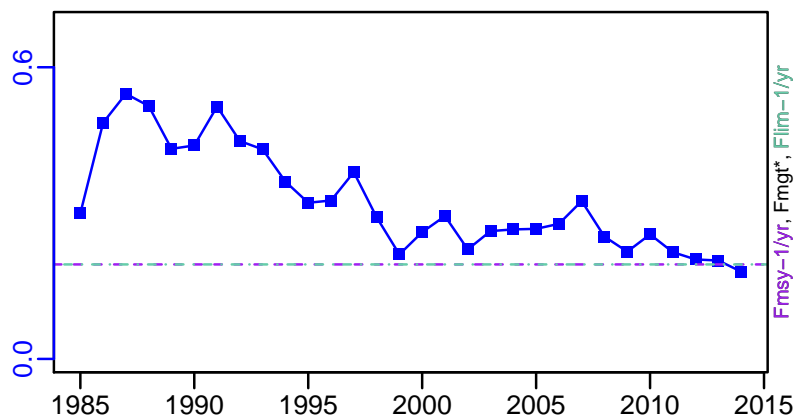
SSB-MT (1985–2014–SISIMP2016)



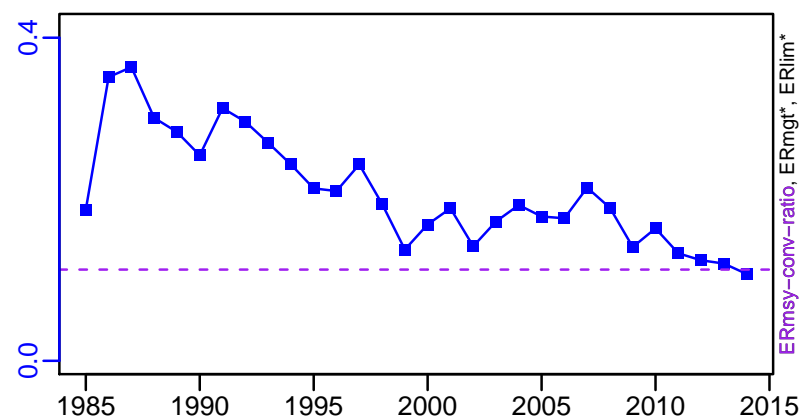
TN *



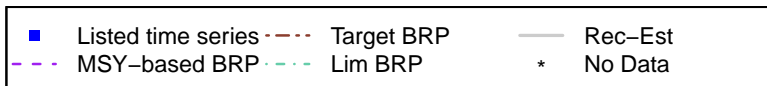
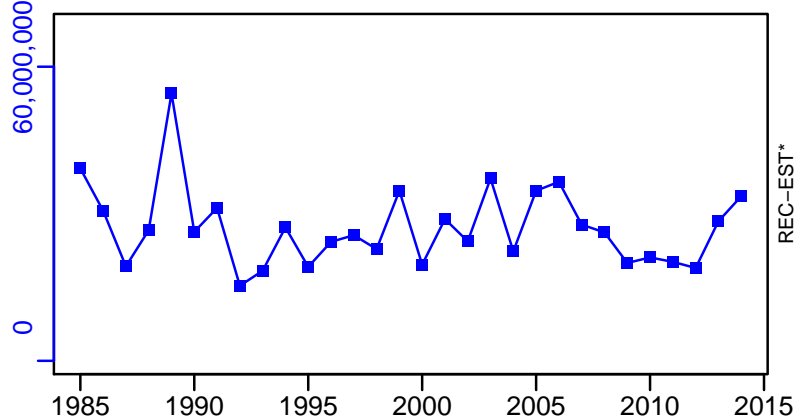
F-1/yr (1985–2014–SISIMP2016)



ER-calc-ratio (1985–2014–SISIMP2016)



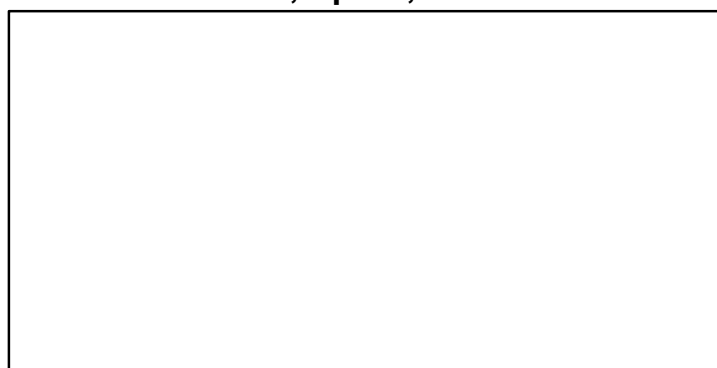
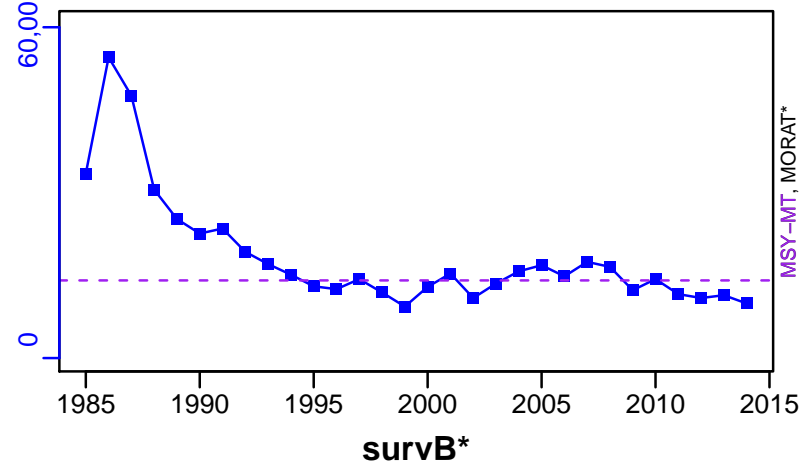
R-E00 (1985–2014–SISIMP2016)



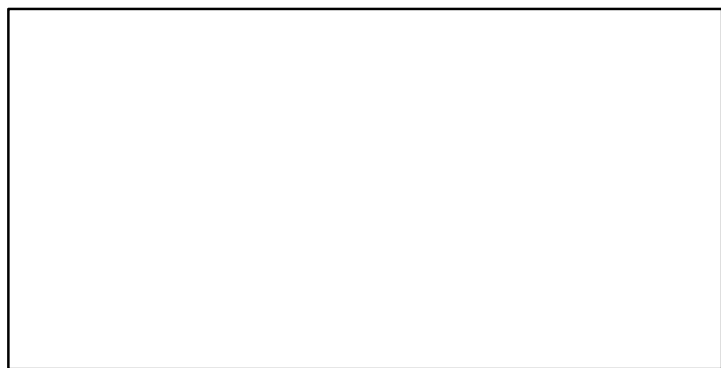
Bluefish Atlantic Coast [BLUEFISHATLC]

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

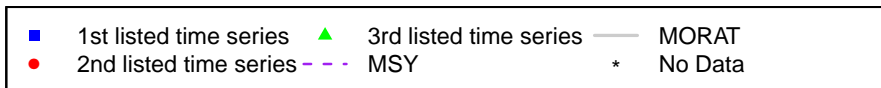
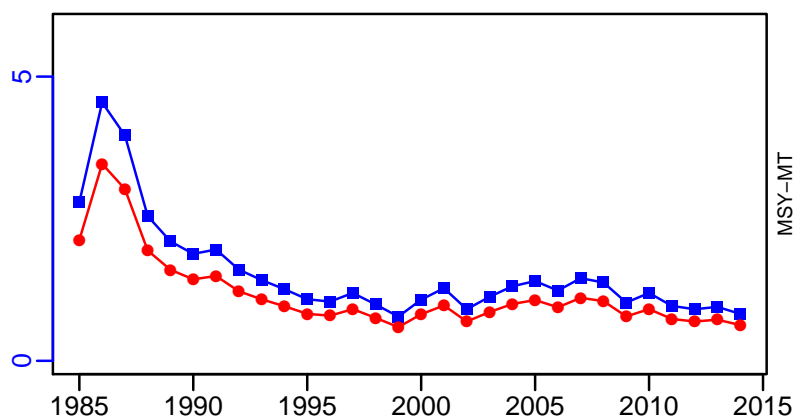
TAC*, Cpair*, Cadv*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1985–2014–SISIMP2016)



Black sea bass Mid-Atlantic Coast [BSBASSMATLC]

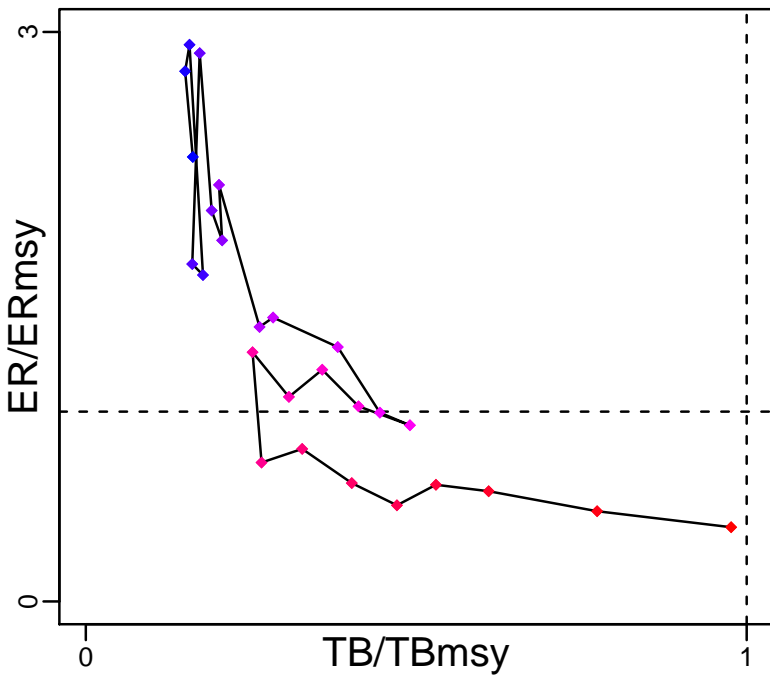
Metadata	
Scientific Name	Centropristis striata
Current Assess ID	NEFSC-BSBASSMATLC-1939-2015-ASHBROOK
Area	Mid-Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2015, 2007, 2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2015	17,256
SSBmsy	SSBmsy-MT	2011	10,880
Fmsy	Fmsy-pr-1/yr	2015	0.36
ERmsy	ERmsy-calc-ratio	2015	0.179
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2015	3097
M	M-1/yr	2015	0.4
TBlim	-	-	-
SSBlim	SSBlim-MT	2011	5440
Flim	Flim-1/yr	2011	0.44
ERlim	-	-	-

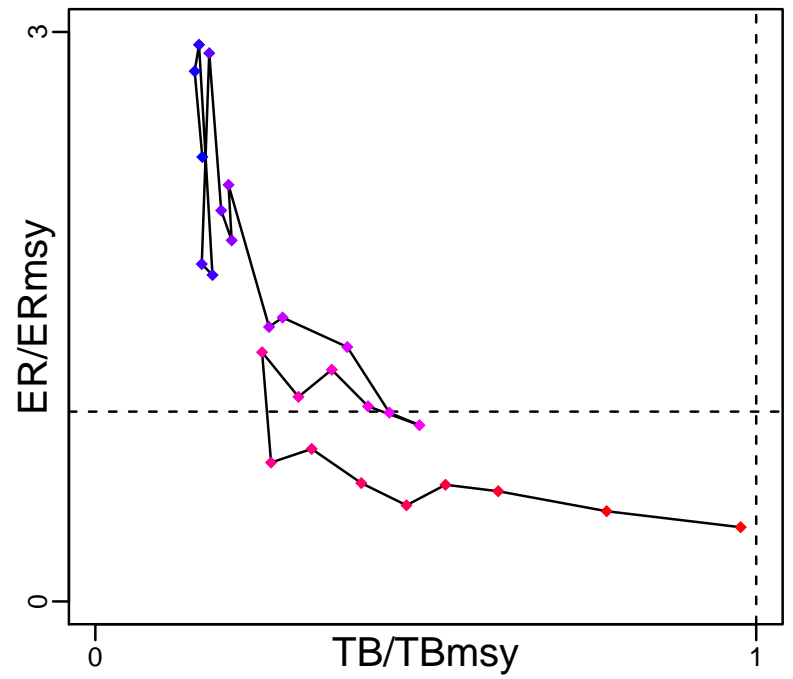
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	16,850	Both	-
SSB	SSB-MT	2011	11,100	-	-
TN	TN-E00	2015	70,334,820	Both	-
R	R-E00	2011	2.1×10^7	-	0
F	F-1/yr	2015	0.238	Both	-
ER	ER-calc-ratio	2015	0.07	-	-
TC	TC-MT	2011	1550		
TL	TL-MT	2015	1183		
TB/TBmsy	TB-MT/TBmsy-MT	2015	0.976		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2011	1.02		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2015	0.661		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2015	0.391		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Black sea bass Mid-Atlantic Coast [BSBASSMATLC]

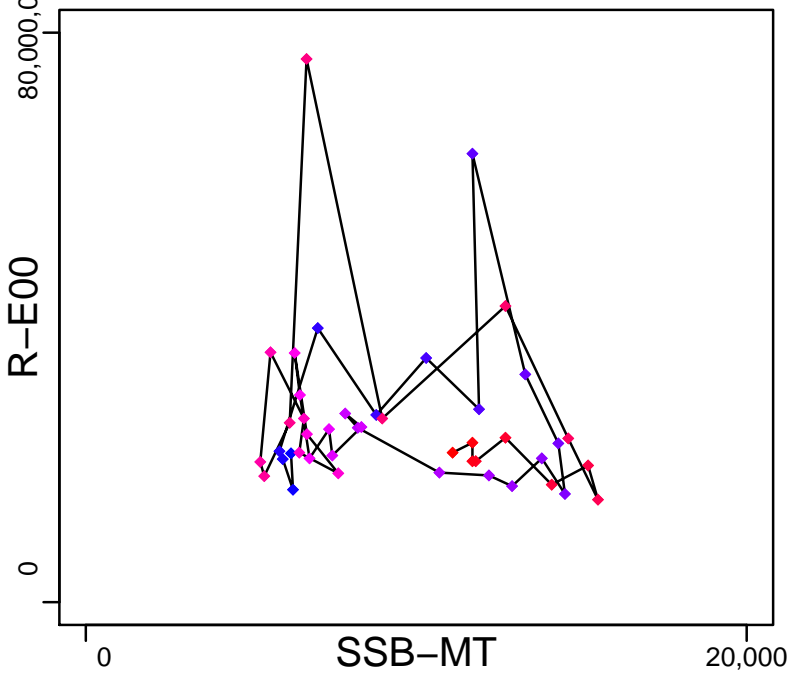
Kobe MSY_{pref} (1939–2015–ASHBROOK)



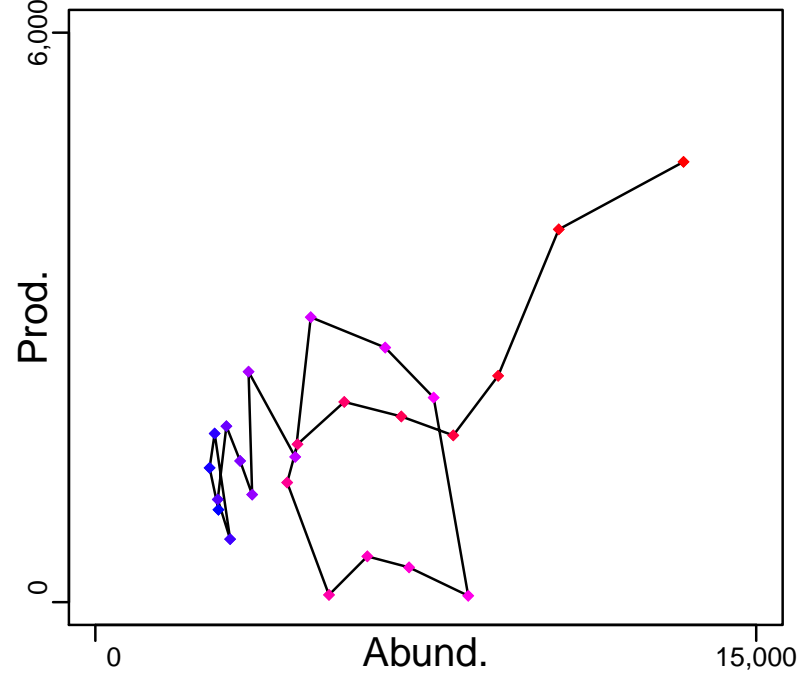
Kobe MGT_{pref} (1939–2015–ASHBROOK)



Spawner Recruit (1968–2011–SISIMP2016)



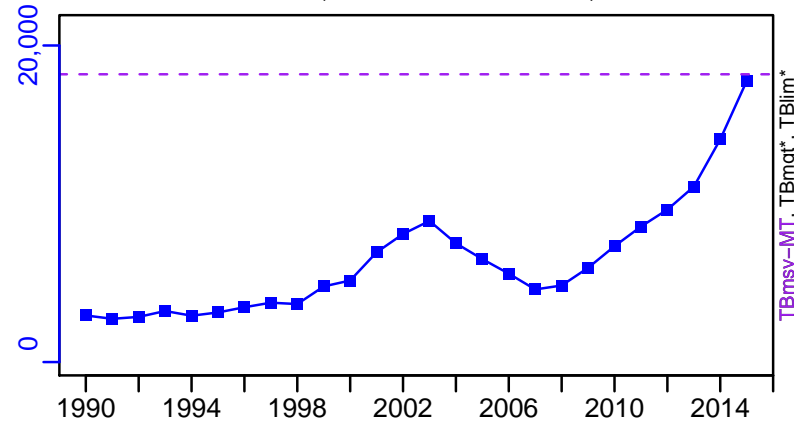
Production (1939–2015–ASHBROOK)



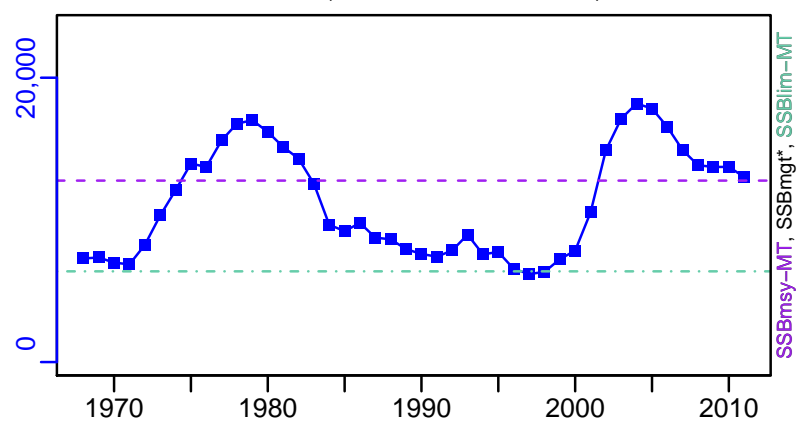
◆ Start Year ◆ End Year * No Data

Black sea bass Mid-Atlantic Coast [BSBASSMATLC]

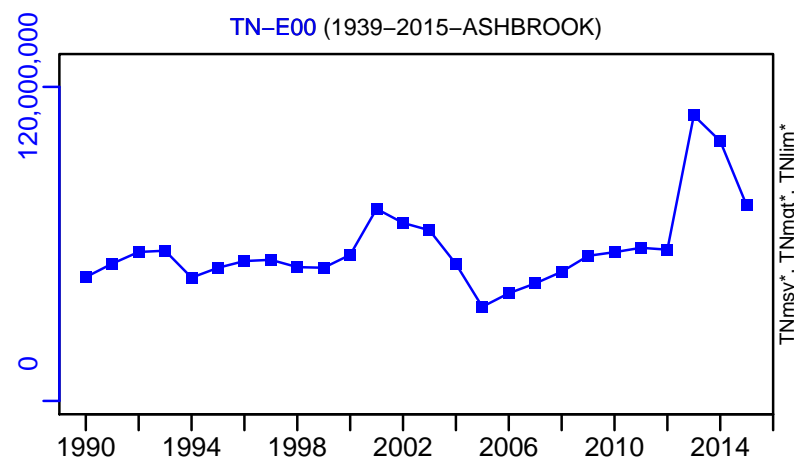
TB-MT (1939–2015–ASHBROOK)



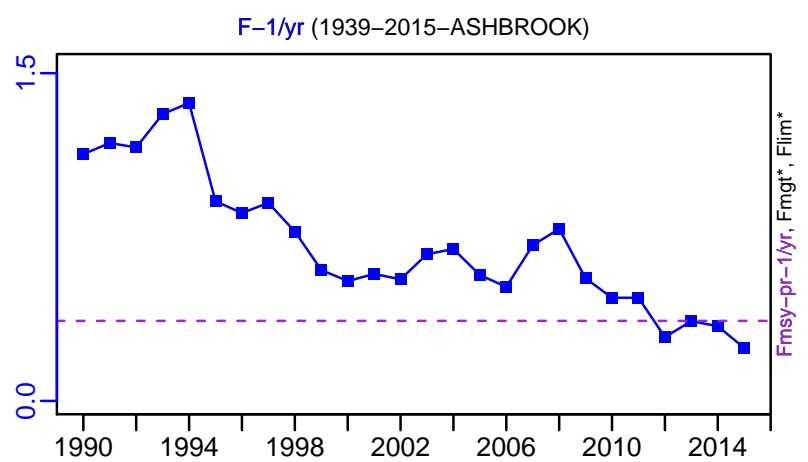
SSB-MT (1968–2011–SISIMP2016)



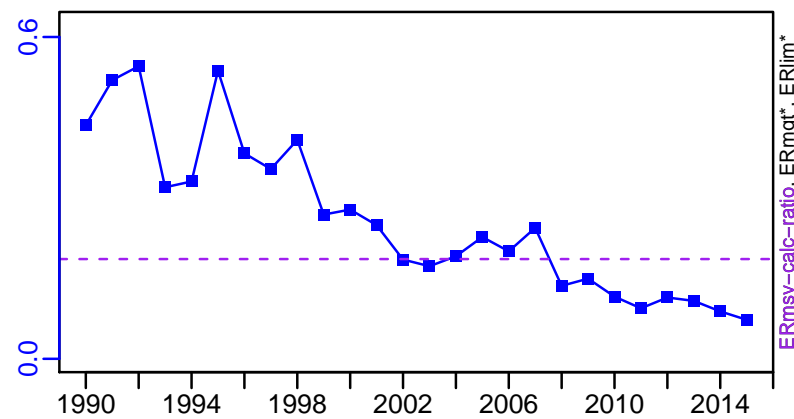
TN-E00 (1939–2015–ASHBROOK)



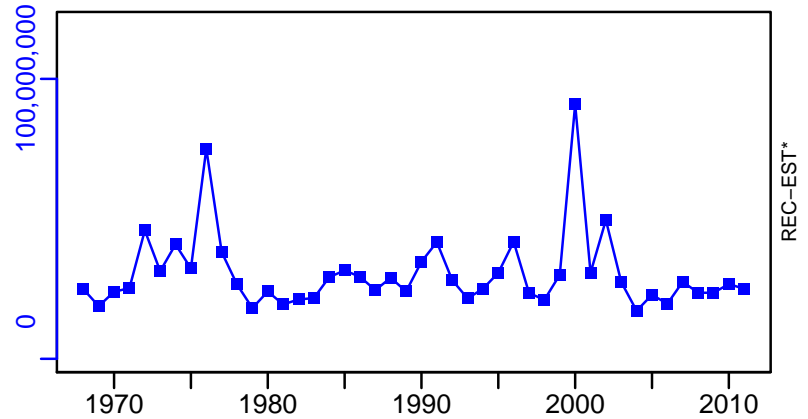
F-1/yr (1939–2015–ASHBROOK)



ER-calc-ratio (1939–2015–ASHBROOK)

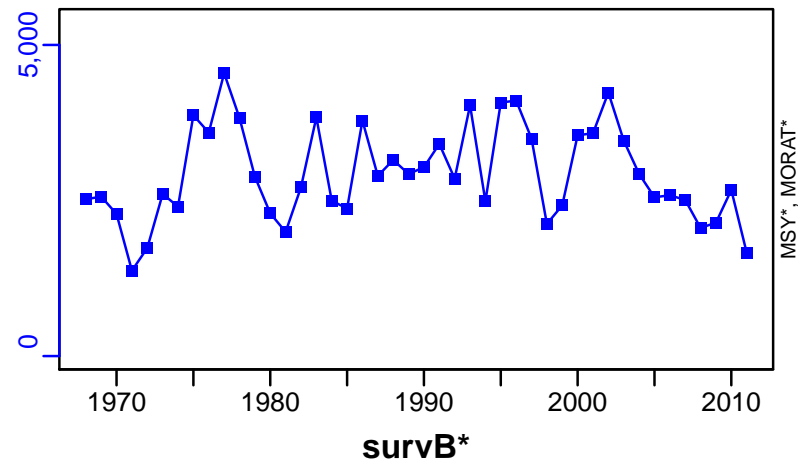


R-E00 (1968–2011–SISIMP2016)



Black sea bass Mid-Atlantic Coast [BSBASSMATLC]

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



TAC*, Cpair*, Cadv*



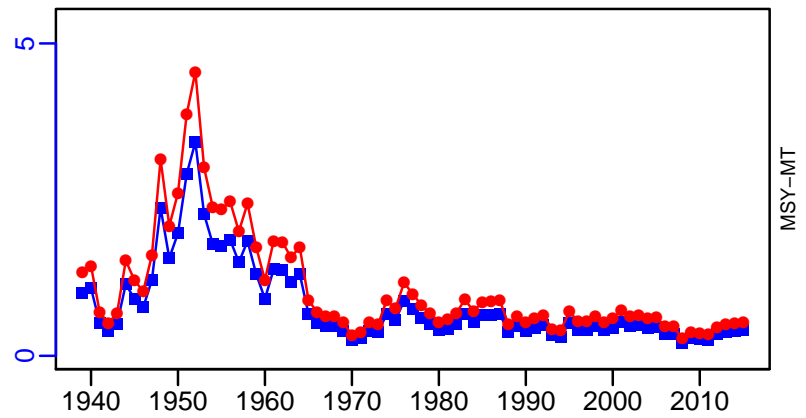
CPUE*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1939-2015-ASHBROOK)



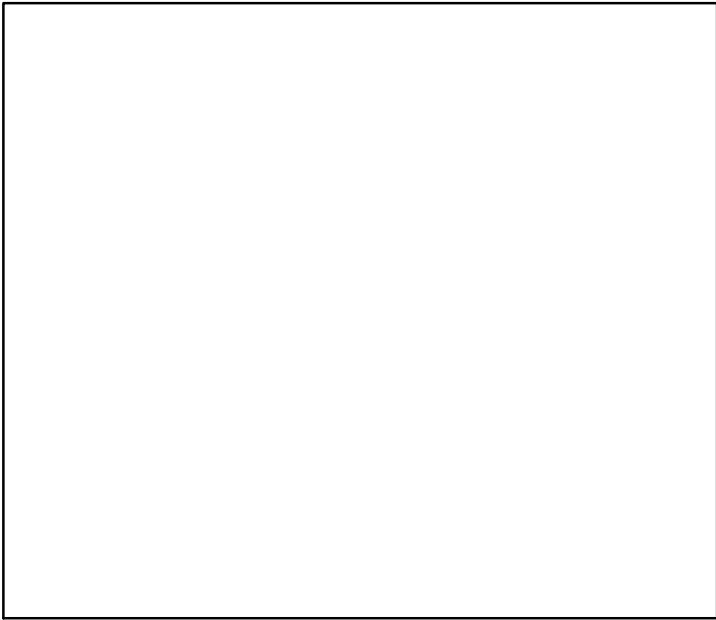
**Barndoor skate Gulf of Maine / Georges Bank-Southern New England
[BSKAT5YZSNE]**

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	-	-	-		

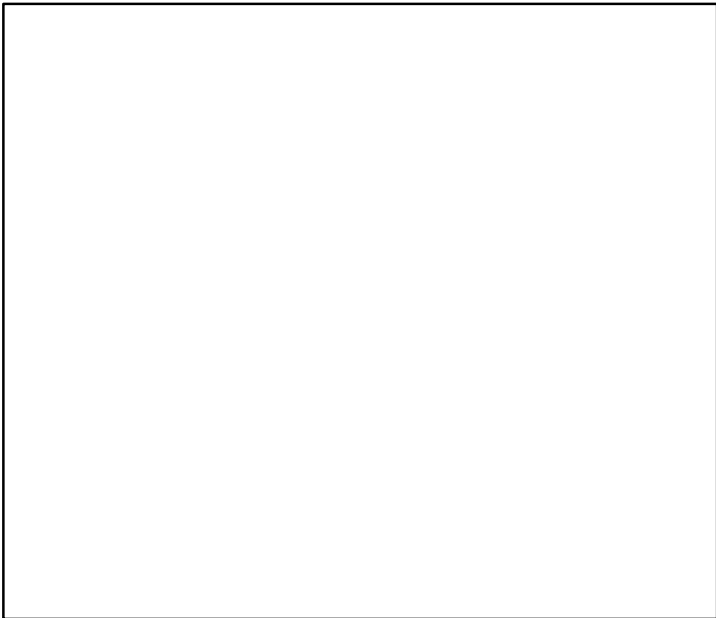
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



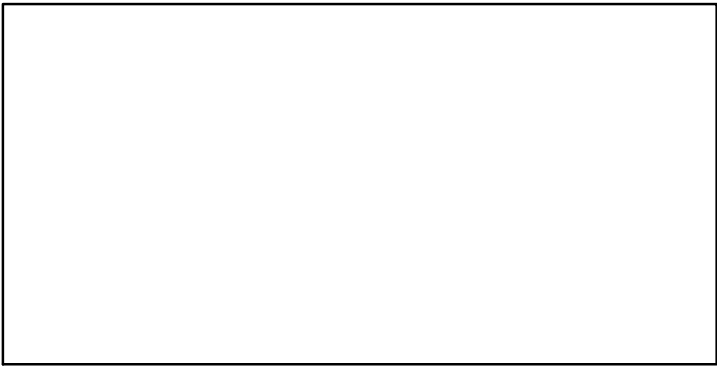
SSB*



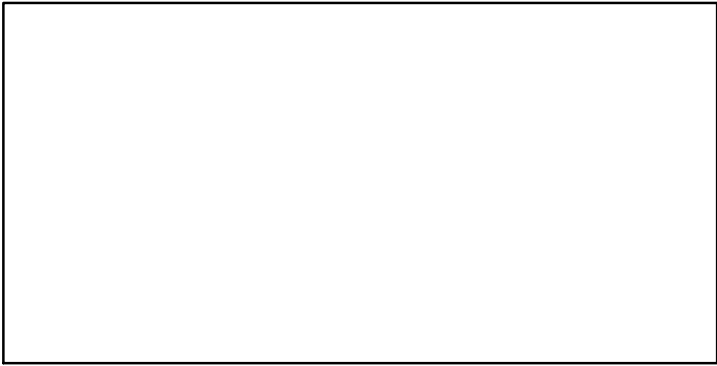
TN *



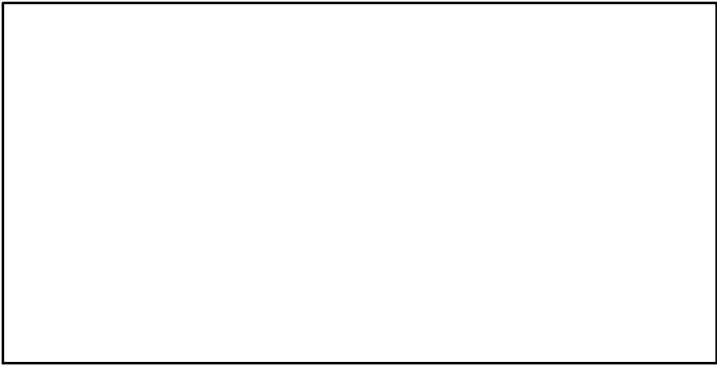
F*



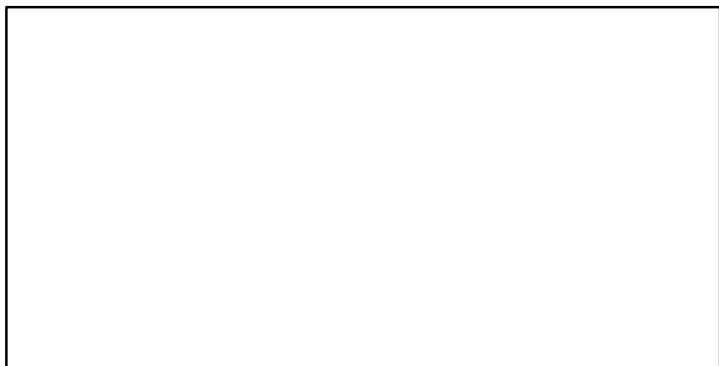
ER*



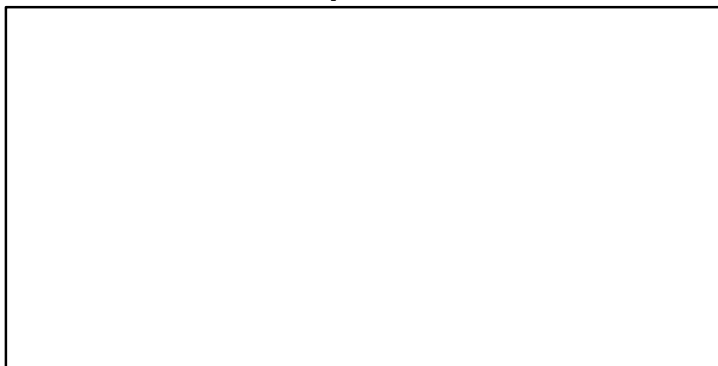
Recruits*



TC*, TL*, RecC*



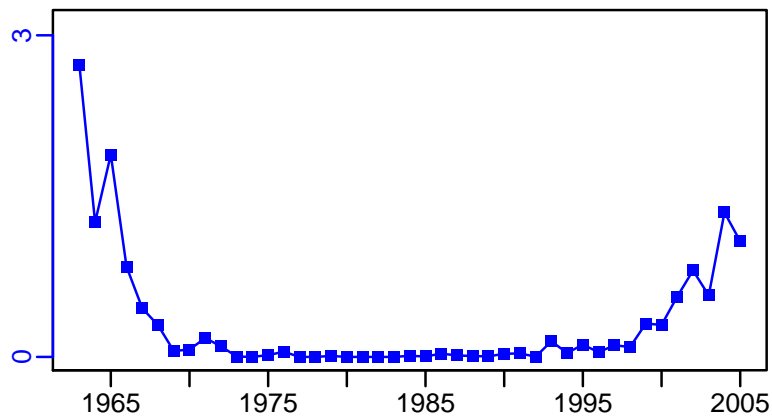
TAC*, Cpair*, Cadv*



survB*



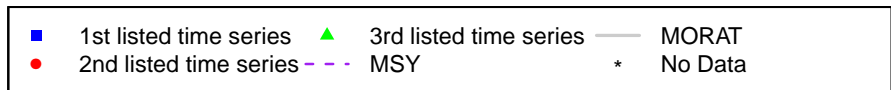
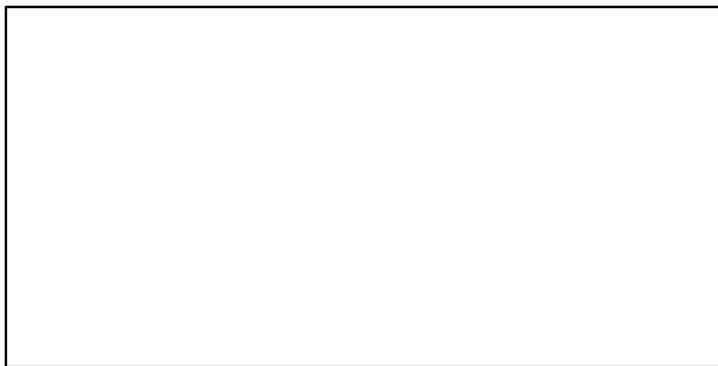
CPUE–kgpertow (1963–2005–SOSEBEE)



EFFORT*



CdivMSY*



Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]

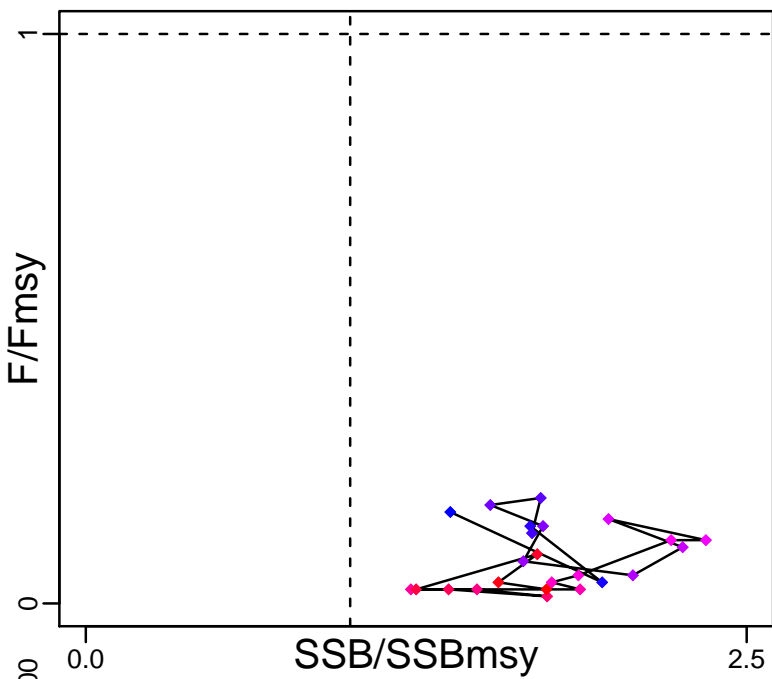
Metadata	
Scientific Name	Peprilus triacanthus
Current Assess ID	NEFSC-BUTTERGOMCHATT-1965-2012-HIVELY
Area	Gulf of Maine / Cape Hatteras
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2012	45,616
Fmsy	Fmsy-1/yr	2012	0.81
ERmsy	ERmsy-est-ratio	2012	0.179
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2012	10,369
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2012	22,808
Flim	-	-	-
ERlim	-	-	-

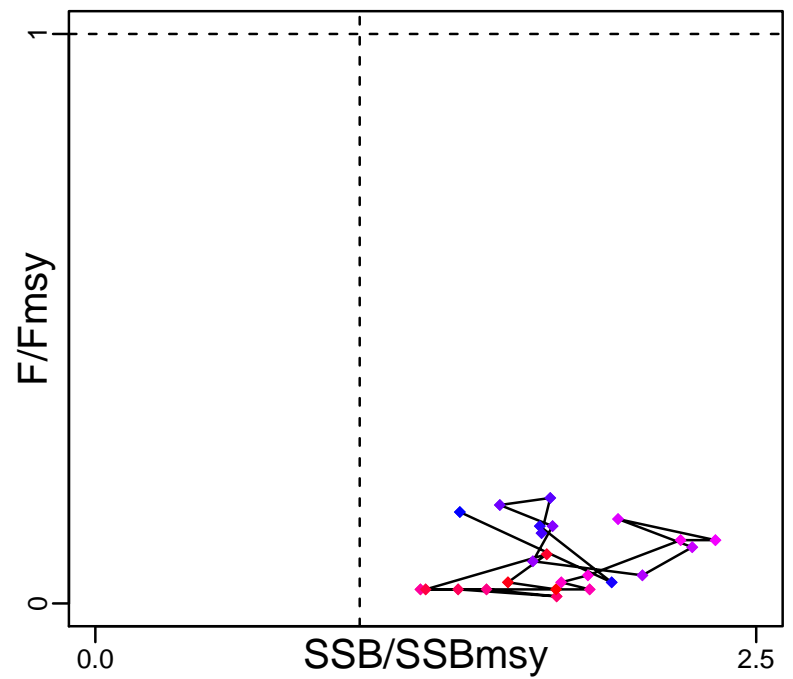
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	79,500	-	1+
TN	-	-	-	-	-
R	R-E00	2012	2.43×10^9	-	0
F	F-1/yr	2012	0.02	-	-
ER	ER-calc-ratio	2012	0.017	-	-
TC	TC-MT	2012	1710		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2012	1.743		
F/Fmsy	F-1/yr/Fmsy-1/yr	2012	0.025		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2012	0.095		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]

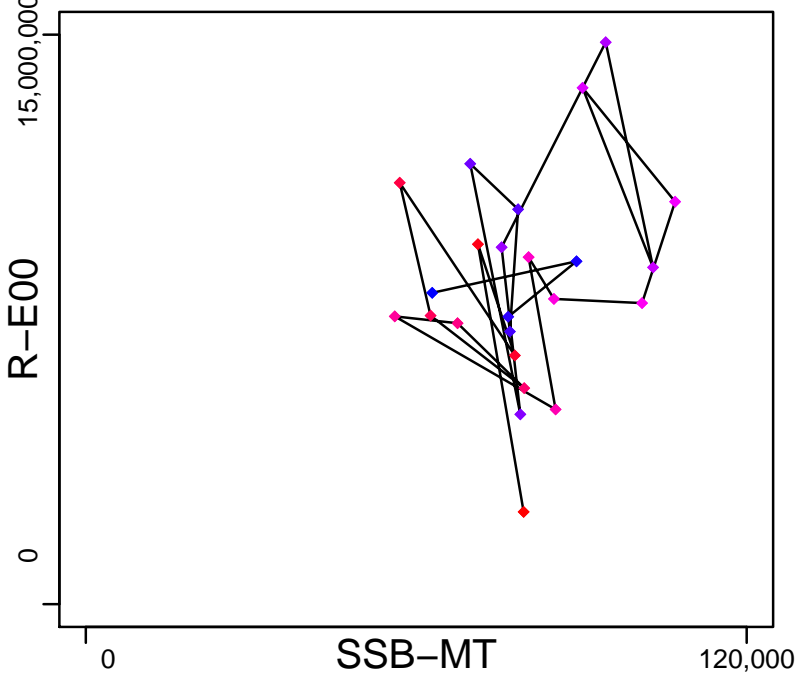
Kobe MSYpref (1965–2012–HIVELY)



Kobe MGTpref (1965–2012–HIVELY)



Spawner Recruit (1965–2012–HIVELY)



Production*



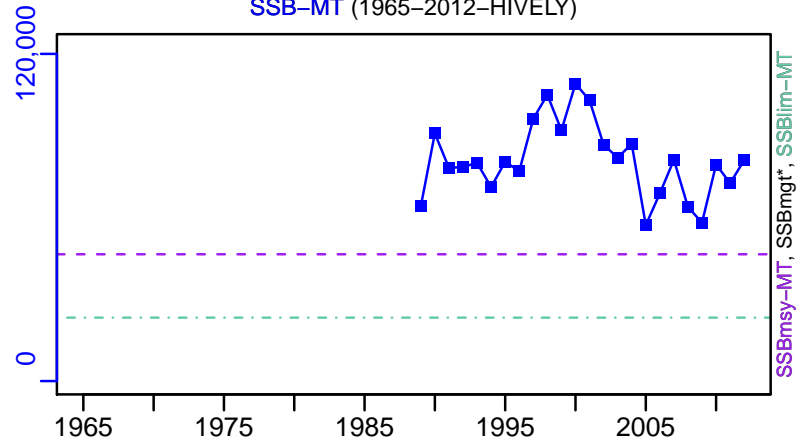
◆ Start Year ◆ End Year * No Data

Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]

TB*



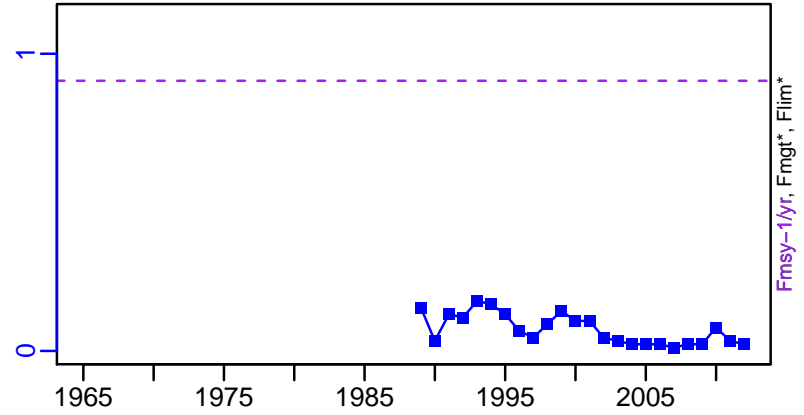
SSB-MT (1965–2012–HIVELY)



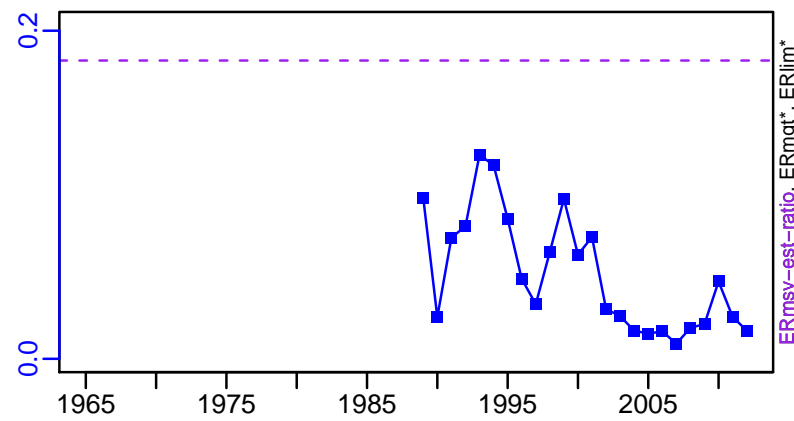
TN *



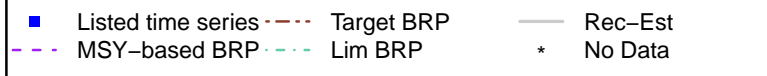
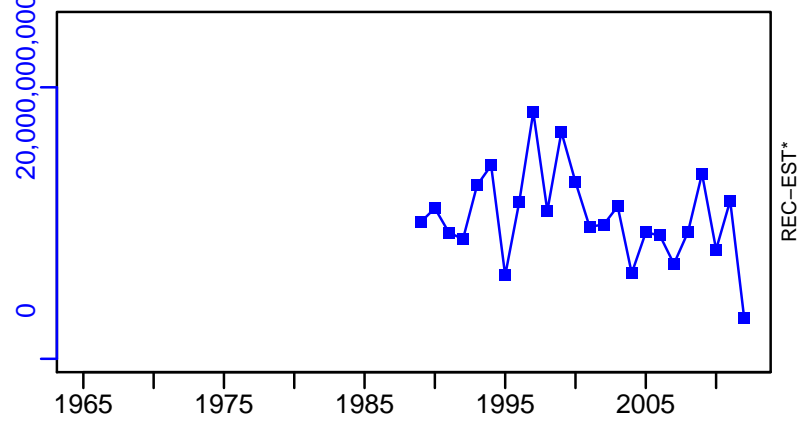
F-1/yr (1965–2012–HIVELY)



ER-calc-ratio (1965–2012–HIVELY)



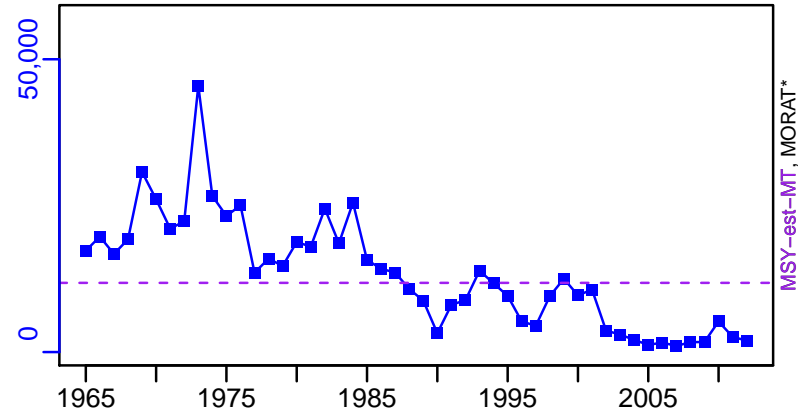
R-E00 (1965–2012–HIVELY)



Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]

TC-MT, TL*, RecC* (1965–2012–HIVELY)

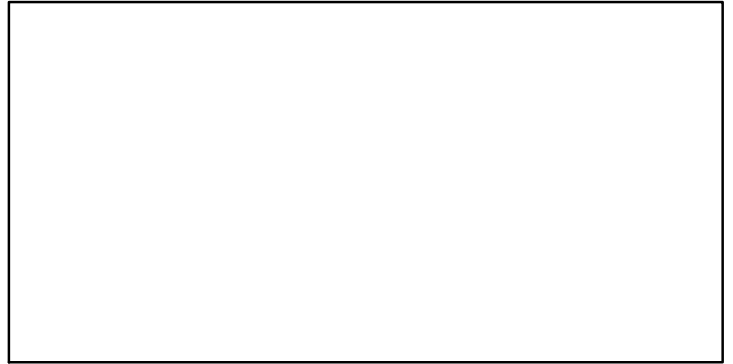
TAC*, Cpair*, Cadv*



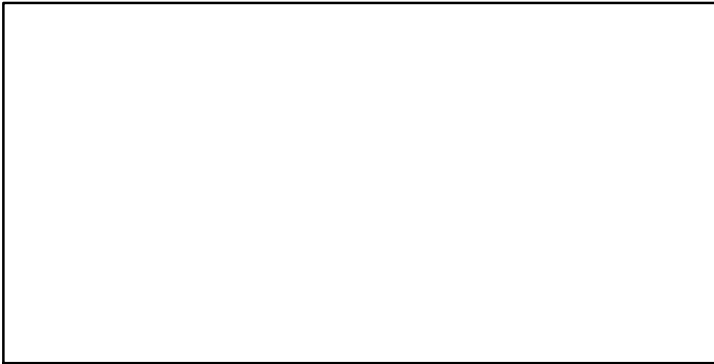
survB*



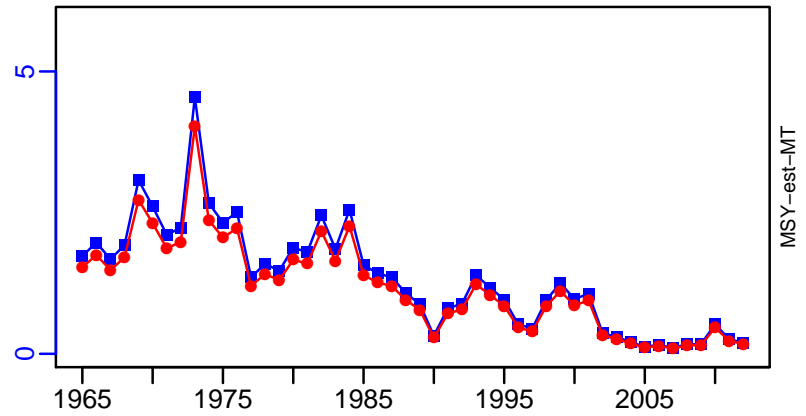
CPUE*



EFFORT*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (1965–2012–HIVELY)



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

Atlantic cod Georges Bank [CODGB]

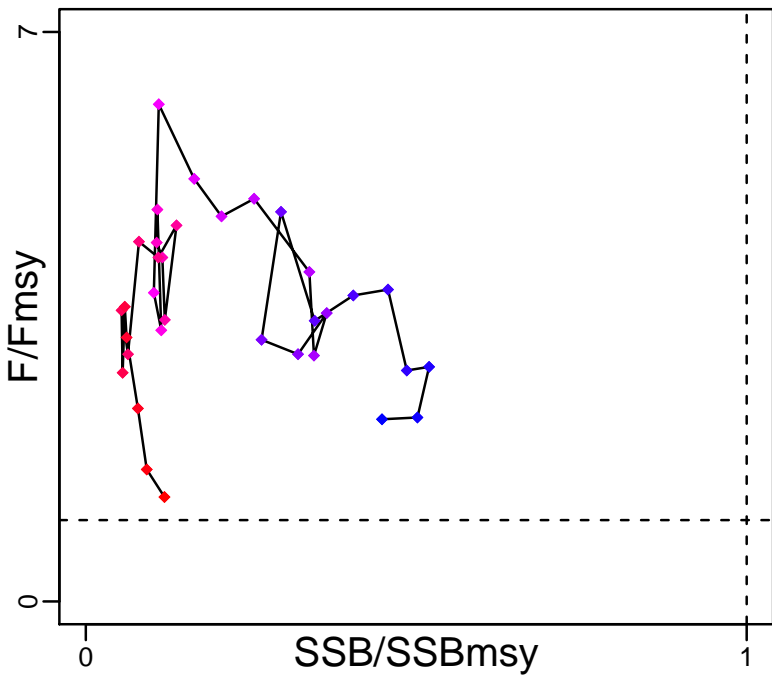
Metadata	
Scientific Name	Gadus morhua
Current Assess ID	NEFSC-CODGB-1976-2011-CHING
Area	Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2011

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	0.099
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2011	28,774
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

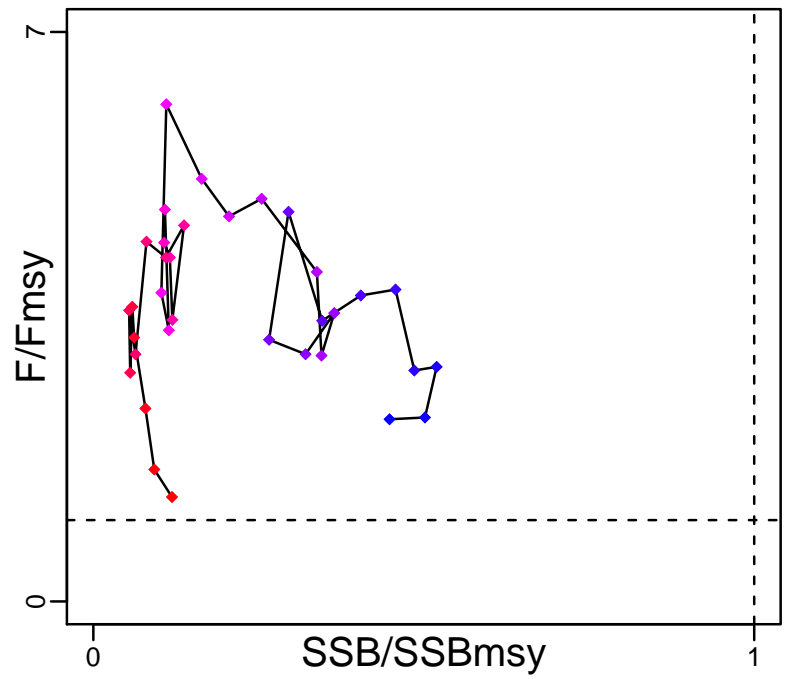
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2011	22,200	-	2.4+
TN	-	-	-	-	-
R	R-E00	2011	7,930,000	-	-
F	F-1/yr	2011	0.231	-	-
ER	ER-ratio	2011	0.093	-	-
TC	TC-MT	2011	4530		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2011	0.119		
F/Fmsy	F-1/yr/Fmsy-1/yr	2011	1.283		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2011	0.942		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Atlantic cod Georges Bank [CODGB]

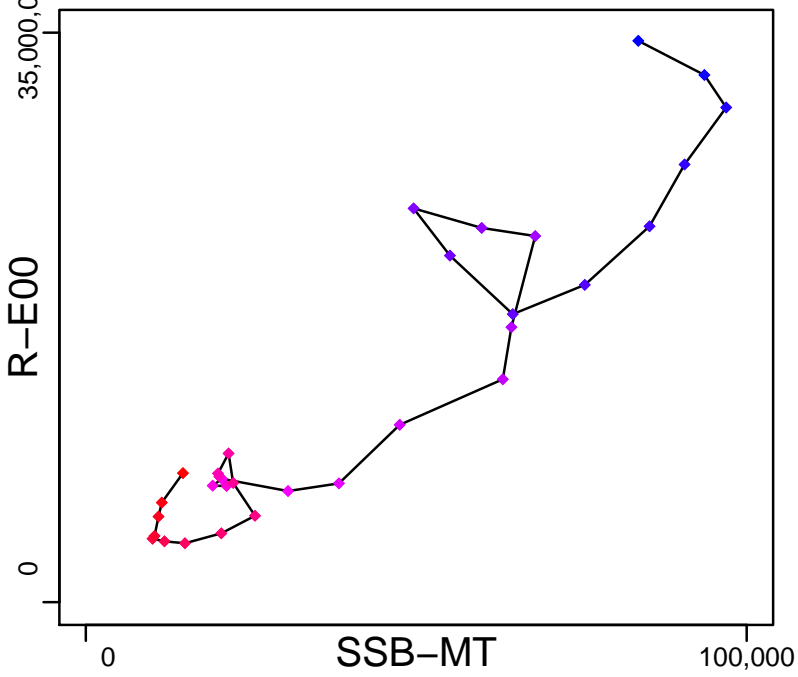
Kobe MSYpref (1976–2011–CHING)



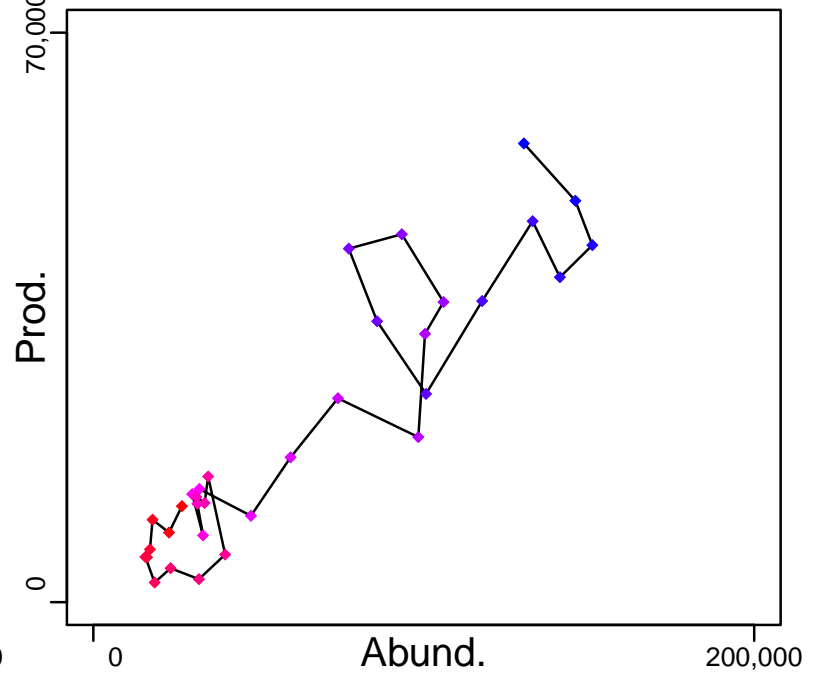
Kobe MGTpref (1976–2011–CHING)



Spawner Recruit (1976–2011–CHING)



Production (1976–2011–CHING)



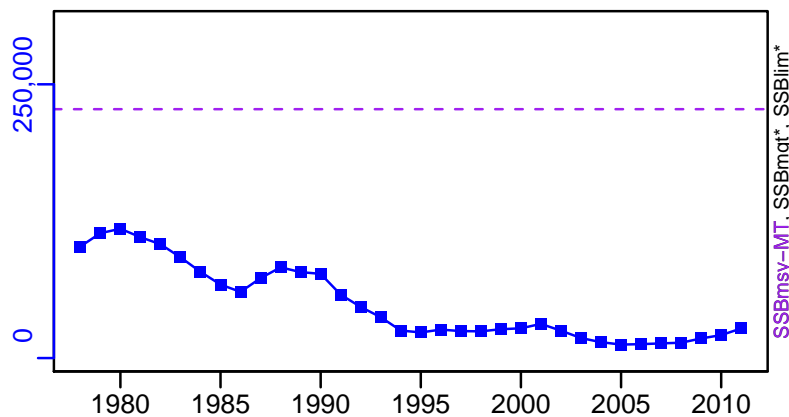
◆ Start Year ◆ End Year * No Data

Atlantic cod Georges Bank [CODGB]

TB*



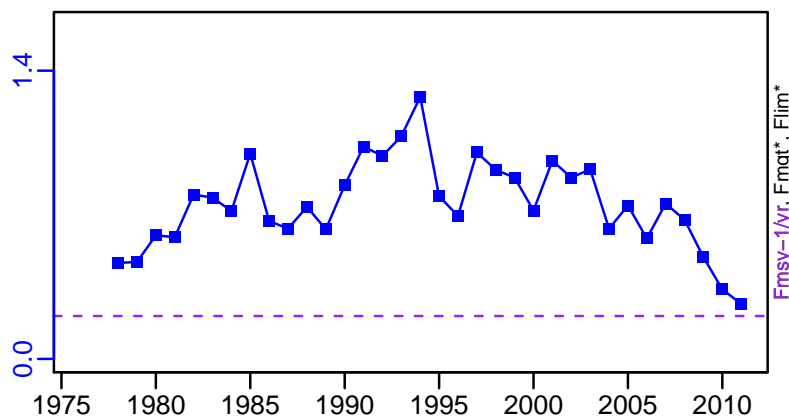
SSB-MT (1976-2011-CHING)



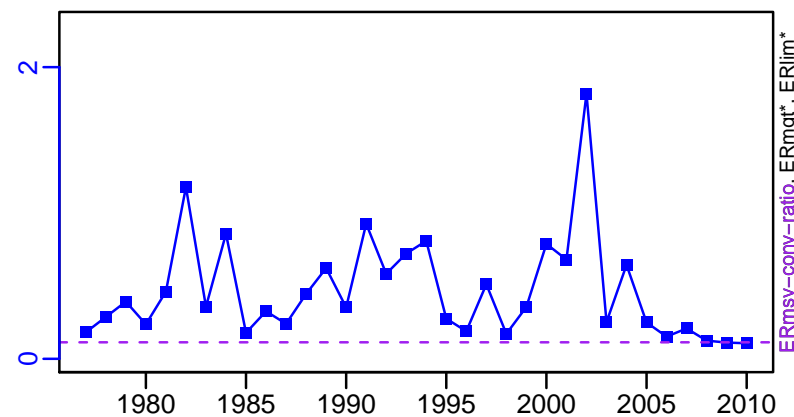
TN *



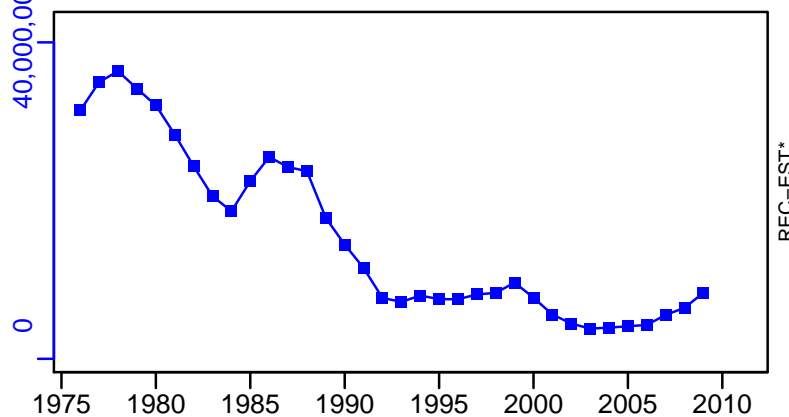
F-1/yr (1976-2011-CHING)



ER-ratio (1976-2011-CHING)

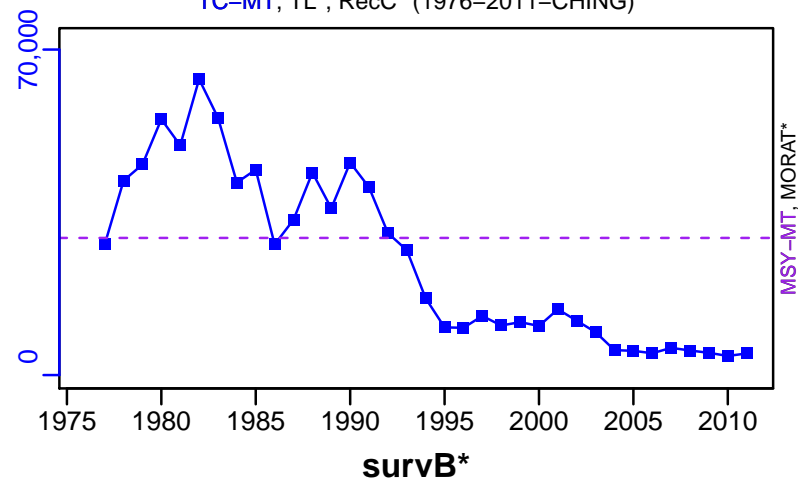


R-E00 (1976-2011-CHING)



Atlantic cod Georges Bank [CODGB]

TC-MT, TL*, RecC* (1976–2011–CHING)



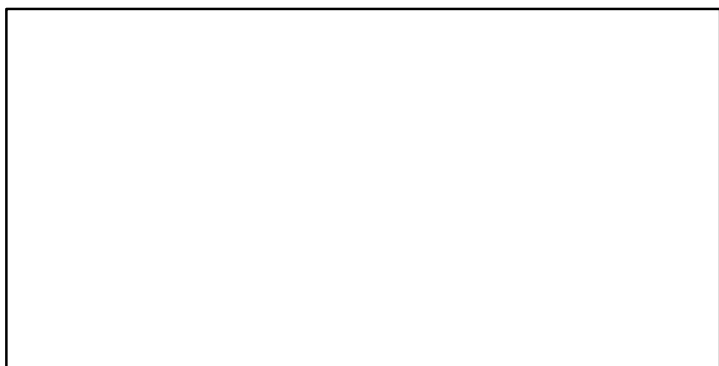
TAC*, Cpair*, Cadv*



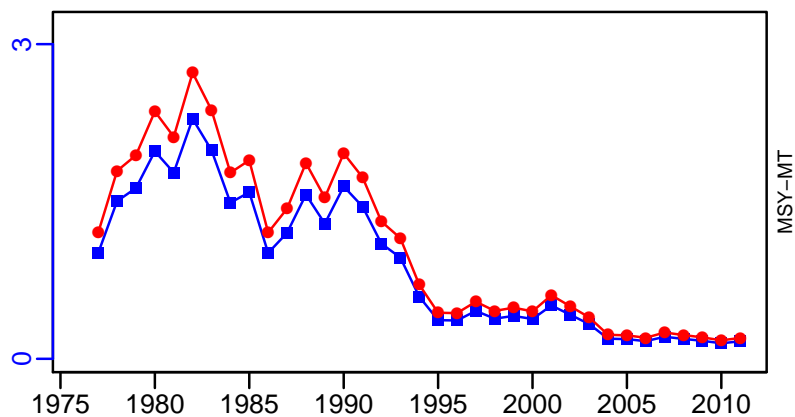
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1976–2011–CHING)



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

Atlantic cod Gulf of Maine [CODGOM]

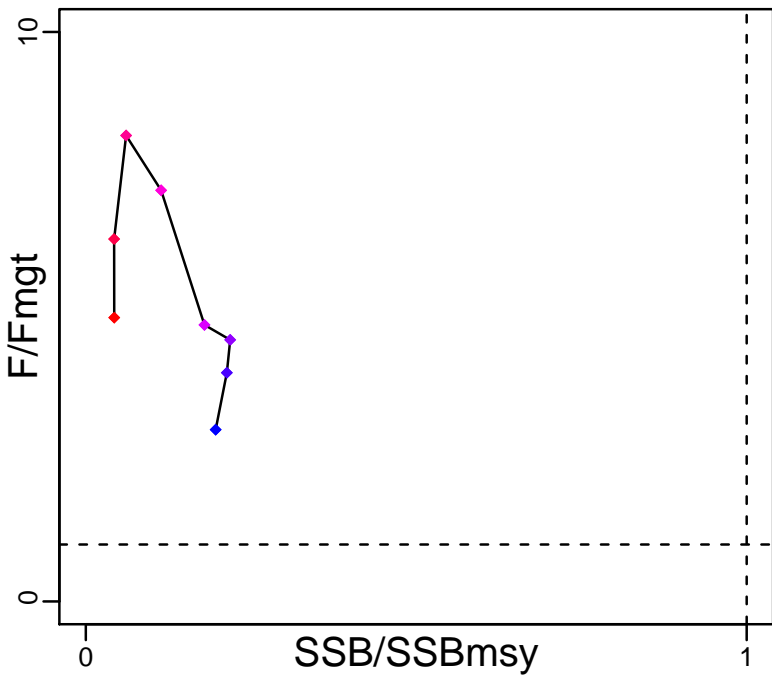
Metadata	
Scientific Name	Gadus morhua
Current Assess ID	NEFSC-CODGOM-2006-2014-ASHBROOK
Area	Gulf of Maine
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2011, 2014

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	0.104
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2014	59,045
Fmgt	Fmgt-1/yr	2014	0.187
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	10,043
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

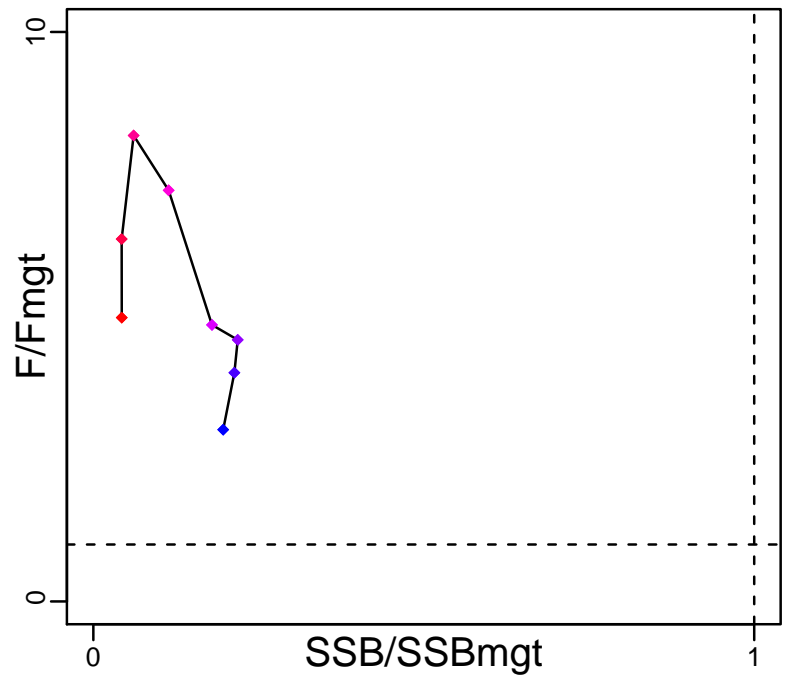
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	2540	-	-
TN	-	-	-	-	-
R	R-E00	2014	3,210,000	-	1
F	F-1/yr	2014	0.932	-	-
ER	ER-calc-ratio	2014	0.354	-	-
TC	TC-MT	2014	1470		
TL	TL-MT	2014	832		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.043		
F/Fmsy	F-1/yr/Fmsy-1/yr	2011	4.878		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	3.403		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	0.043		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	4.984		
ER/ERmgt	-	-	-		

Atlantic cod Gulf of Maine [CODGOM]

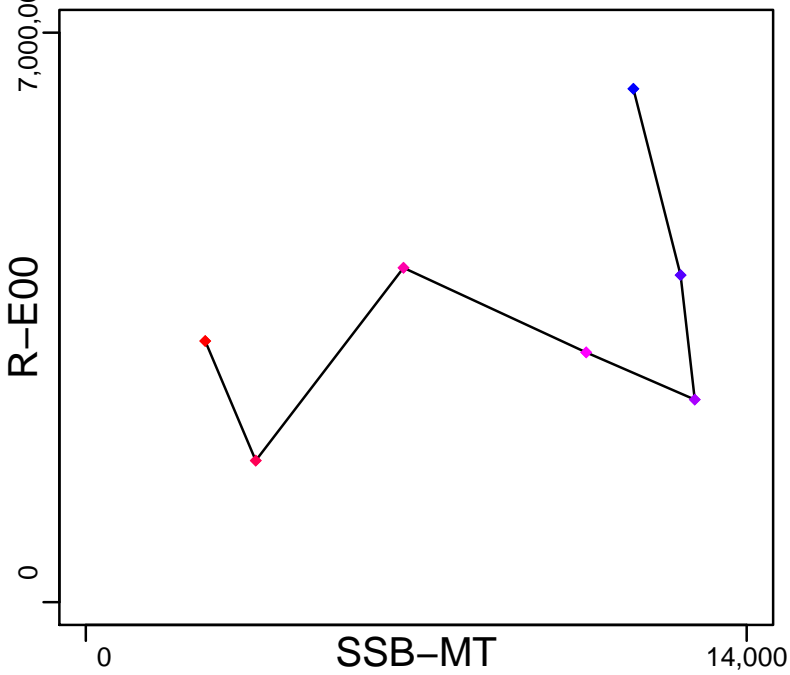
Kobe MSYpref (2006–2014–ASHBROOK)



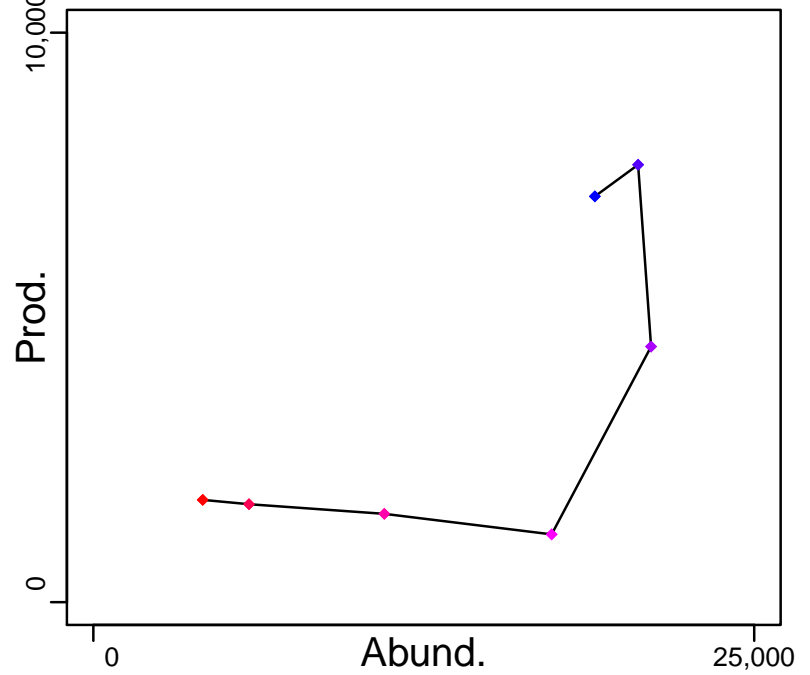
Kobe MGTpref (2006–2014–ASHBROOK)



Spawner Recruit (2006–2014–ASHBROOK)



Production (2006–2014–ASHBROOK)



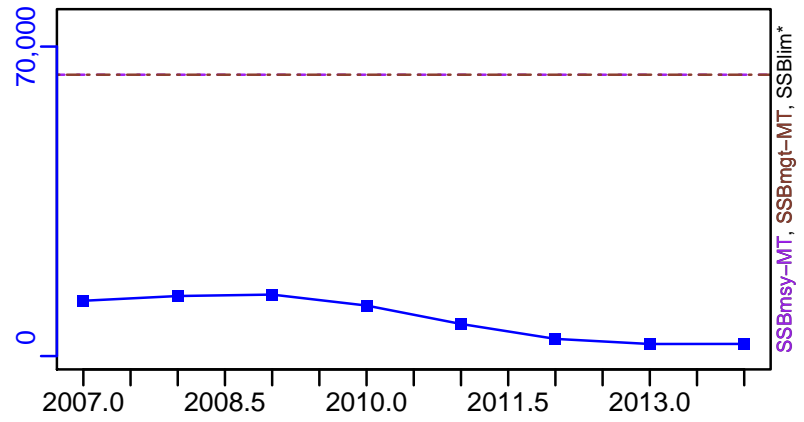
◆ Start Year ◆ End Year * No Data

Atlantic cod Gulf of Maine [CODGOM]

TB*



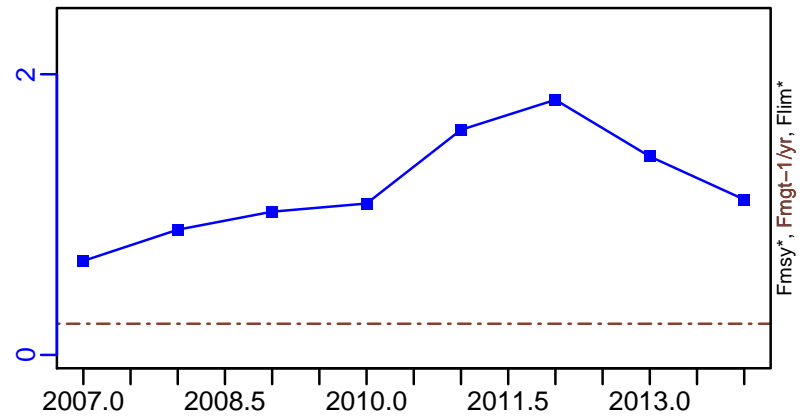
SSB-MT (2006–2014–ASHBROOK)



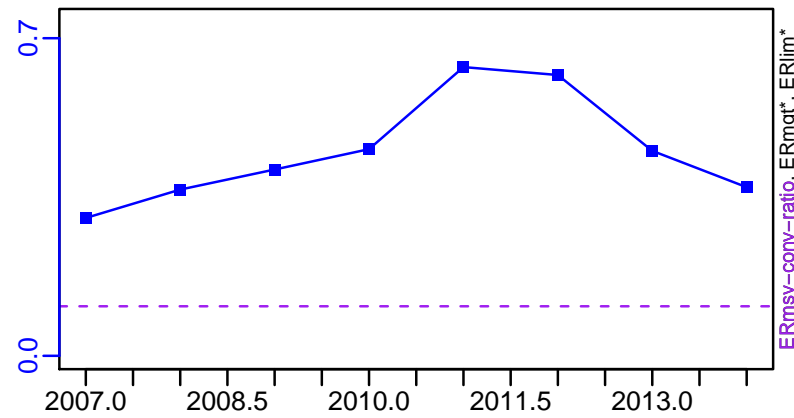
TN *



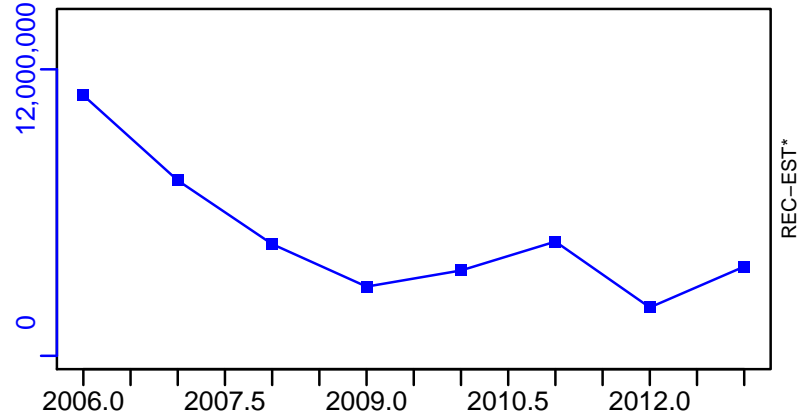
F-1/yr (2006–2014–ASHBROOK)



ER-calc-ratio (2006–2014–ASHBROOK)

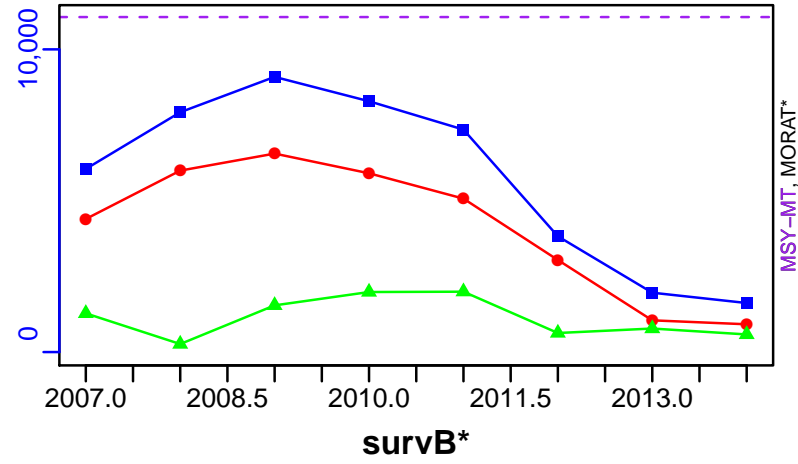


R-E00 (2006–2014–ASHBROOK)



Atlantic cod Gulf of Maine [CODGOM]

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



TAC*, Cpair*, Cadv*



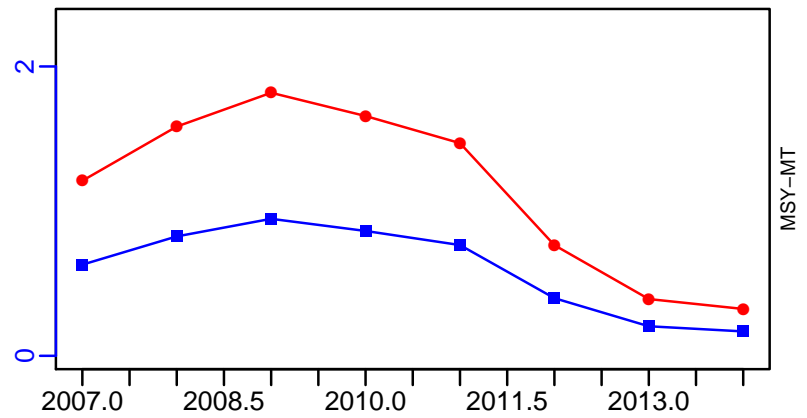
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (2006-2014-ASHBROOK)



- 1st listed time series
- 2nd listed time series
- 3rd listed time series
- MORAT
- MSY
- No Data

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

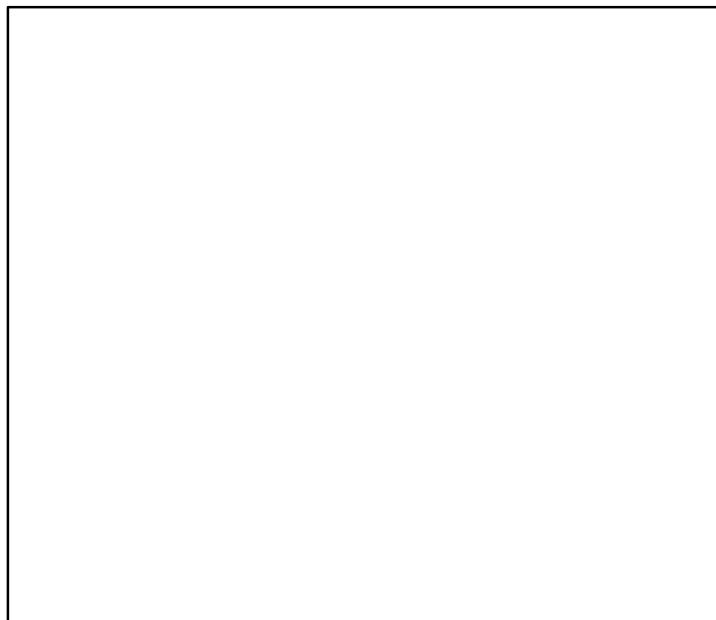
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2005	32		
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 *



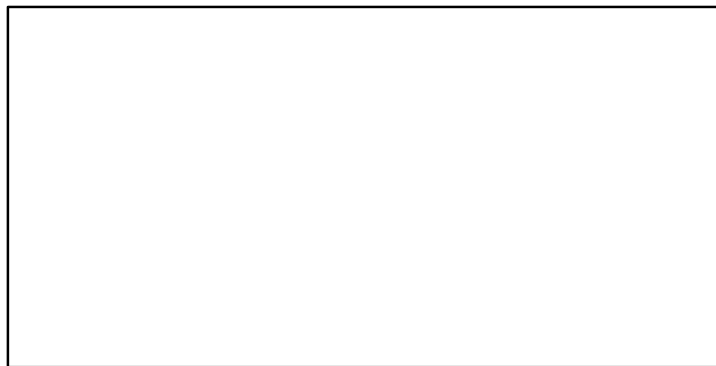
F*



ER*



Recruits*



Clearnose skate Mid-Atlantic Coast [CSKATMATLC]

TC-MT, TL*, RecC* (1975-2005-SOSEBEE)



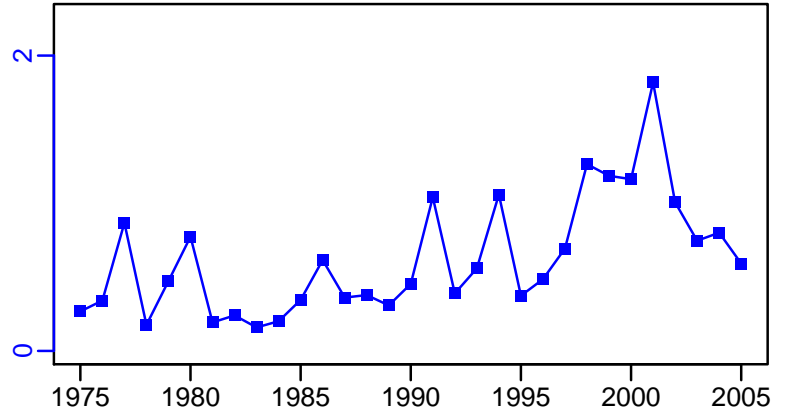
TAC*, Cpair*, Cadv*



survB*



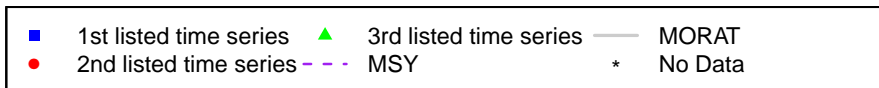
CPUE-kgpertow (1975-2005-SOSEBEE)



EFFORT*



CdivMSY*



Haddock Gulf of Maine [HAD5Y]

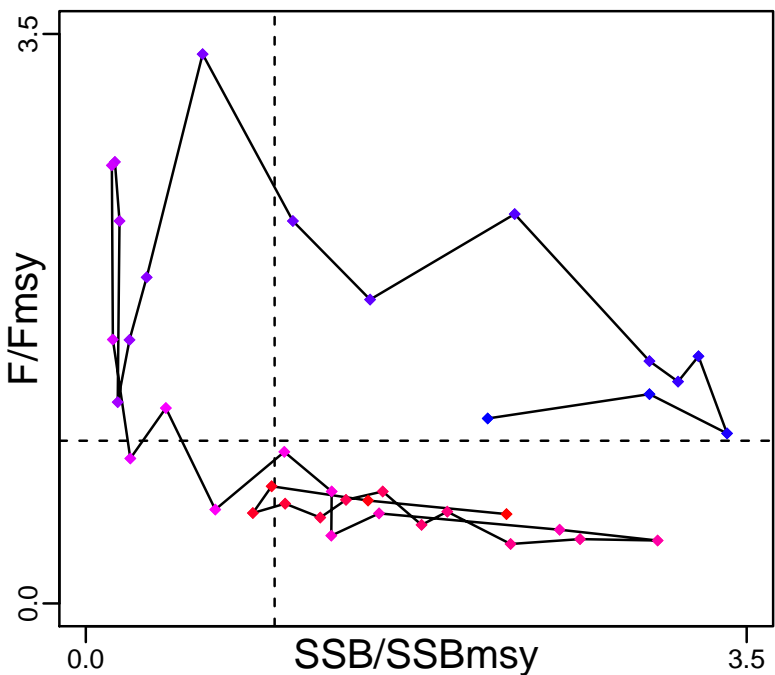
Metadata	
Scientific Name	Melanogrammus aeglefinus
Current Assess ID	NEFSC-HAD5Y-1977-2014-SISIMP2016
Area	Gulf of Maine
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	4623
Fmsy	Fmsy-1/yr	2014	0.468
ERmsy	ERmsy-conv-ratio	2014	0.131
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	1083
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	2312
Flim	Flim-1/yr	2014	0.468
ERlim	-	-	-

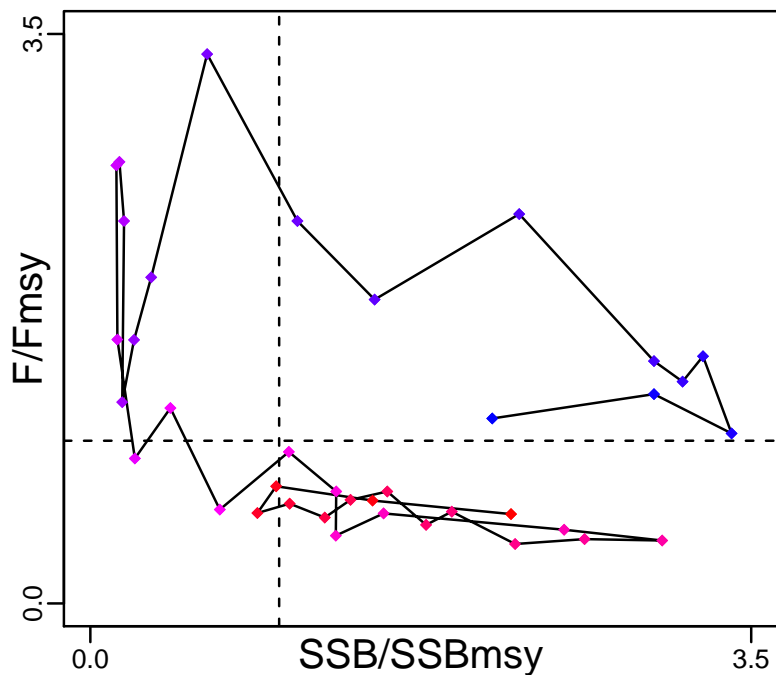
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	2580	-	-
SSB	SSB-MT	2014	10,300	-	4+
TN	-	-	-	-	-
R	R-E00	2014	26,500,000	-	1
F	F-1/yr	2014	0.257	-	-
ER	ER-calc-ratio	2014	0.055	-	-
TC	TC-MT	2014	1020		
TL	TL-MT	2011	1300		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	2.228		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.549		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.423		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Haddock Gulf of Maine [HAD5Y]

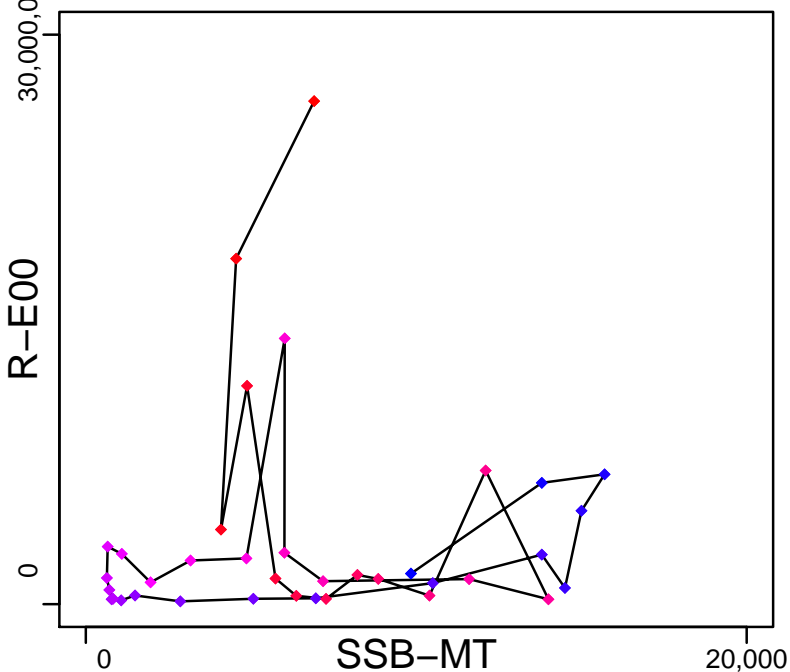
Kobe MSYpref (1977–2014–SISIMP2016)



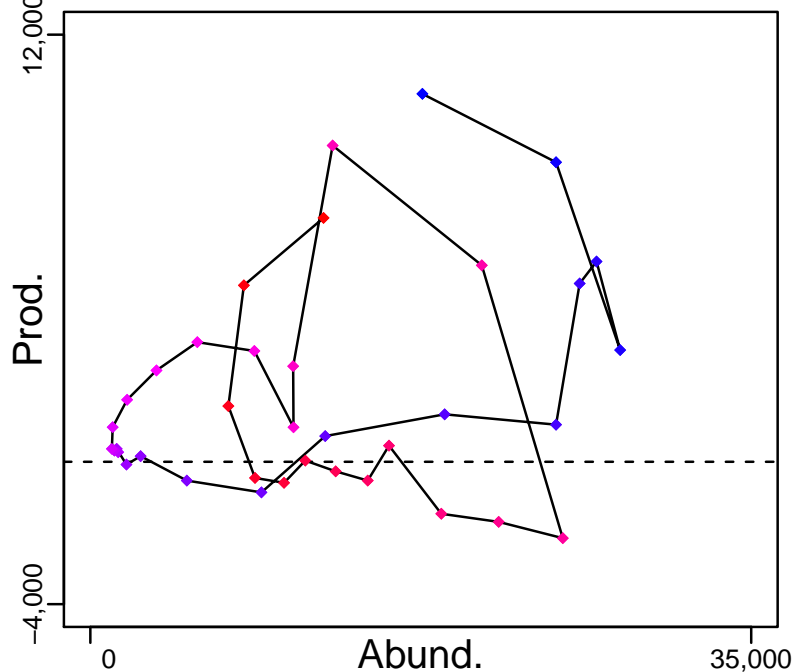
Kobe MGTpref (1977–2014–SISIMP2016)



Spawner Recruit (1977–2014–SISIMP2016)



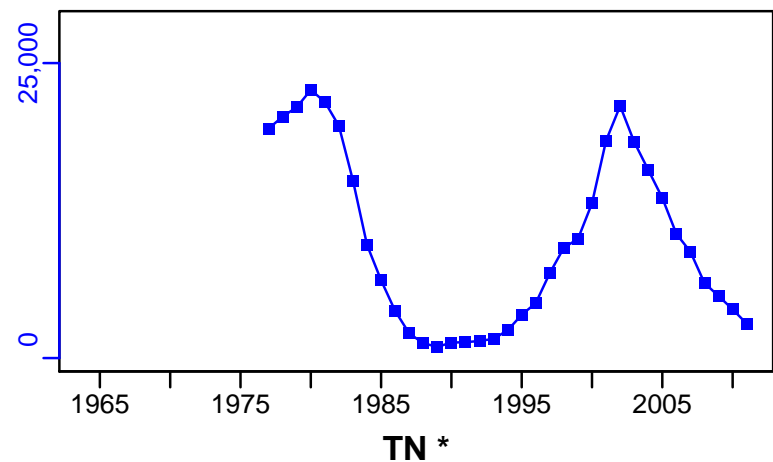
Production (1977–2014–SISIMP2016)



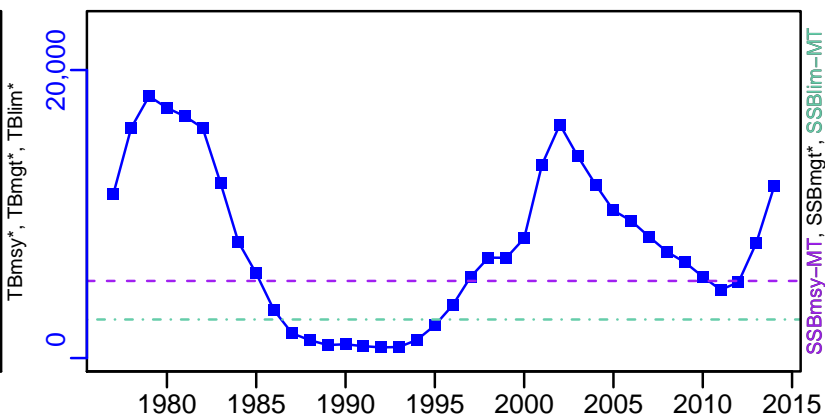
◆ Start Year ◆ End Year * No Data

Haddock Gulf of Maine [HAD5Y]

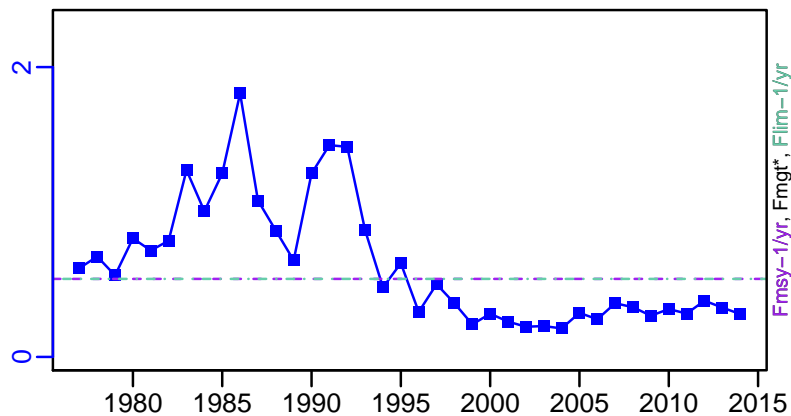
TB-MT (1964–2011–CHING)



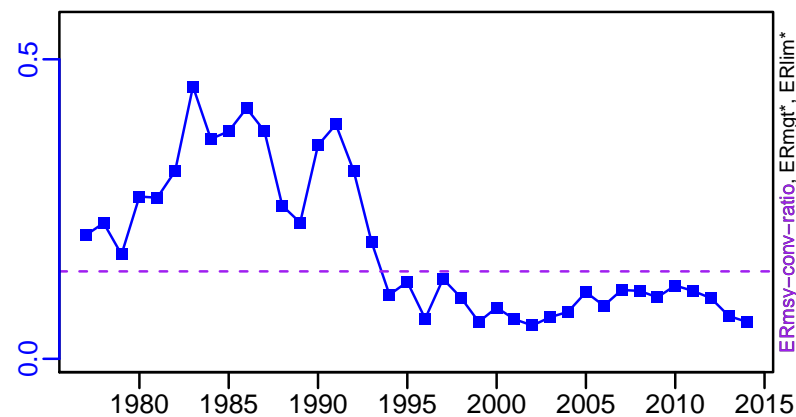
SSB-MT (1977–2014–SISIMP2016)



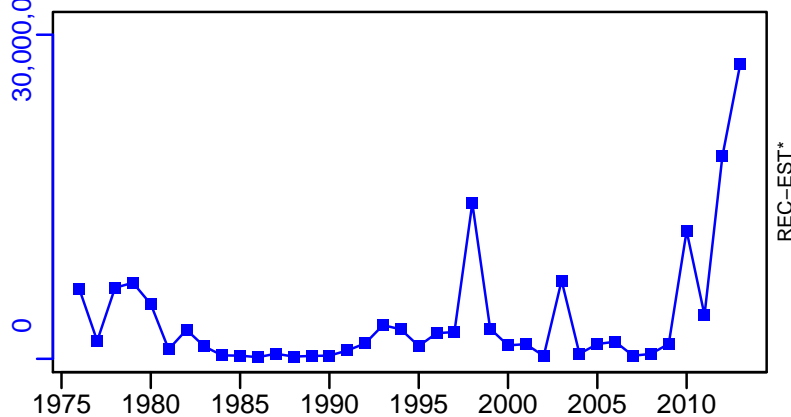
F-1/yr (1977–2014–SISIMP2016)



ER-calc-ratio (1977–2014–SISIMP2016)

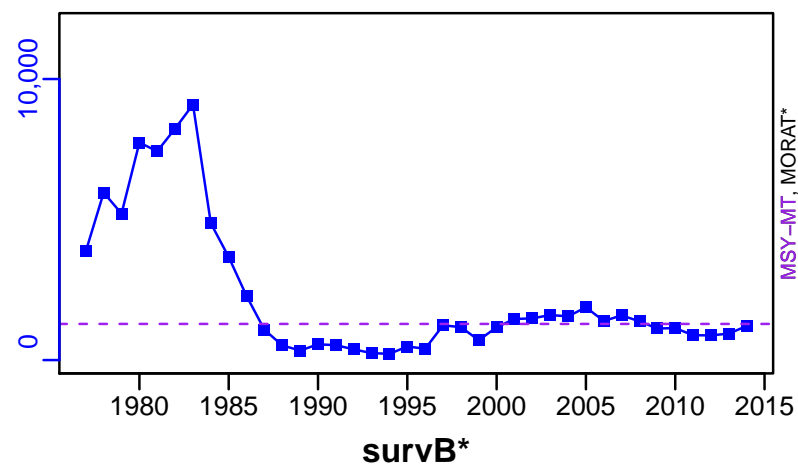


R-E00 (1977–2014–SISIMP2016)



Haddock Gulf of Maine [HAD5Y]

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



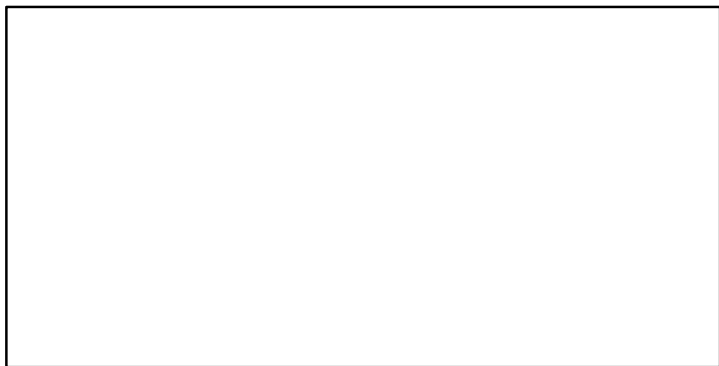
TAC*, Cpair*, Cadv*



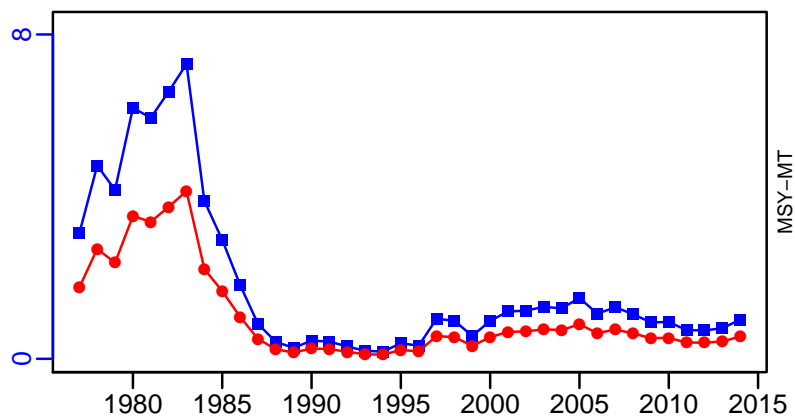
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1977-2014-SISIMP2016)



- 1st listed time series
- 2nd listed time series
- 3rd listed time series
- MORAT
- MSY
- No Data

Haddock Georges Bank [HADGB]

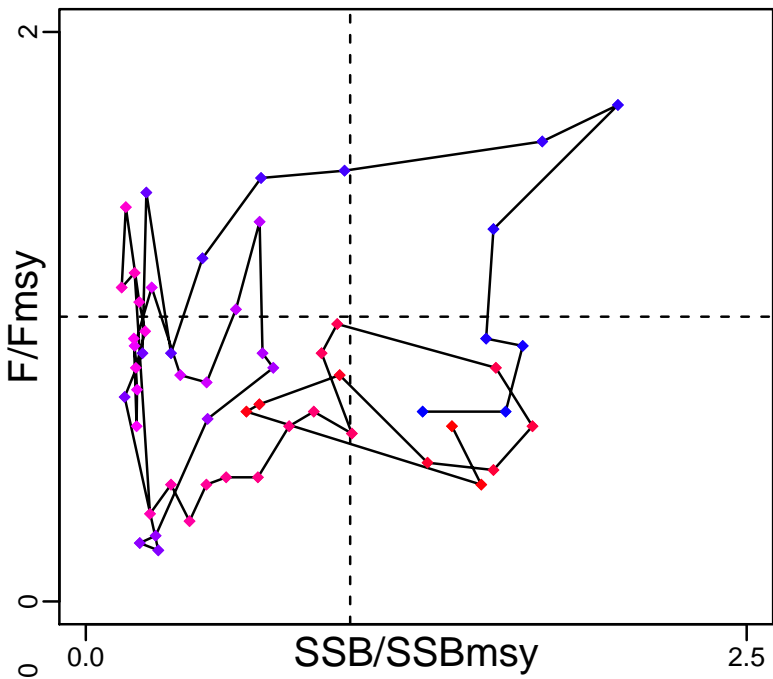
Metadata	
Scientific Name	Melanogrammus aeglefinus
Current Assess ID	NEFSC-HADGB-1960-2014-SISIMP2016
Area	Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2010, 2014

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	0.146
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	-	-	-

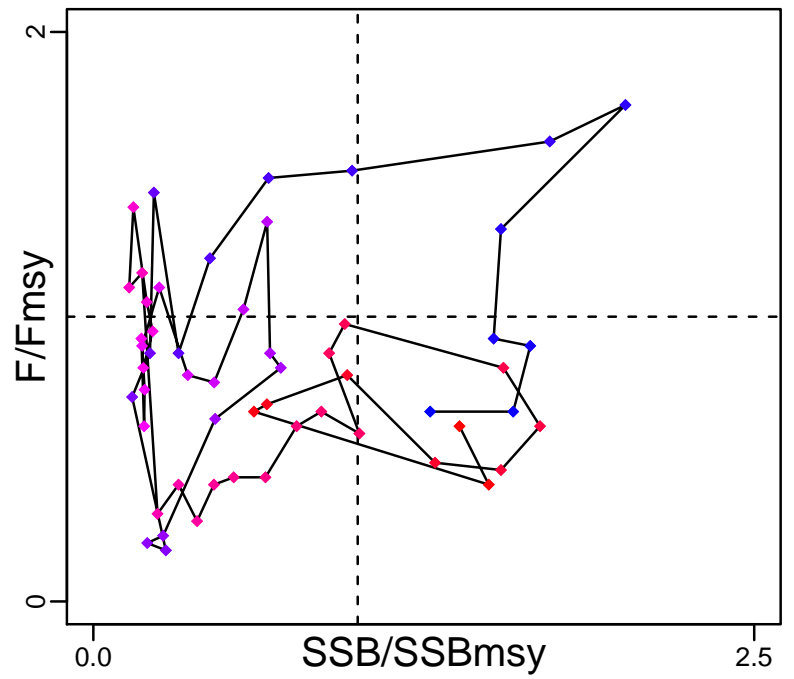
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	150,000	-	-
TN	-	-	-	-	-
R	R-E00	2014	3.41×10^9	-	1
F	F-1/yr	2014	0.24	-	-
ER	ER-calc-ratio	2014	0.079	-	-
TC	TC-MT	2014	18,600		
TL	TL-MT	2010	21,500		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	1.385		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.615		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.539		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Haddock Georges Bank [HADGB]

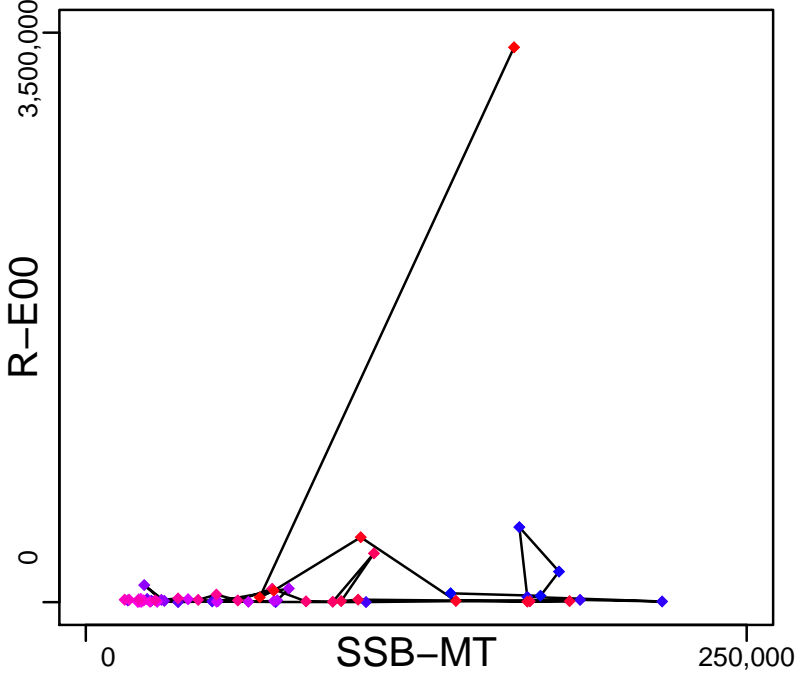
Kobe MSYpref (1960–2014–SISIMP2016)



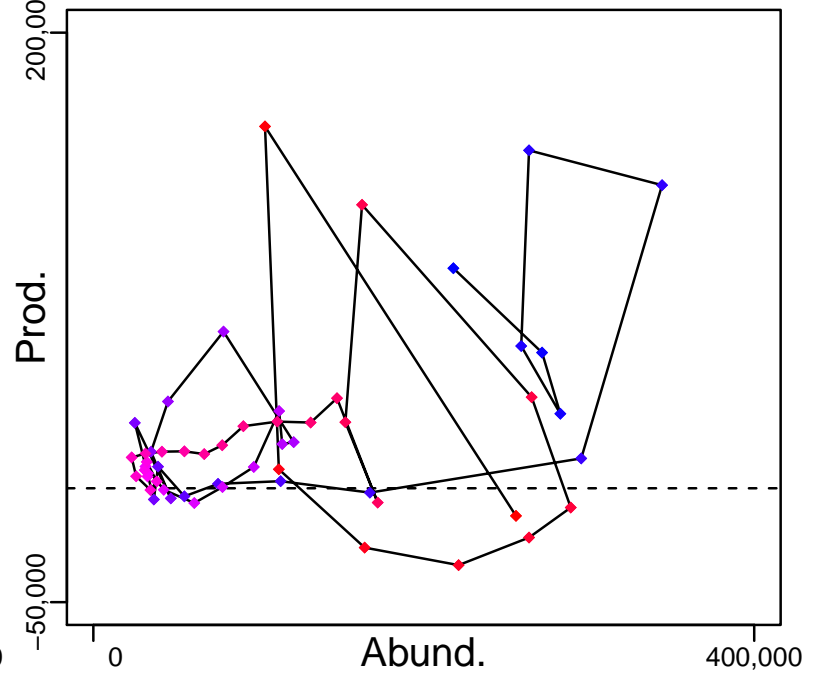
Kobe MGTpref (1960–2014–SISIMP2016)



Spawner Recruit (1960–2014–SISIMP2016)



Production (1960–2014–SISIMP2016)



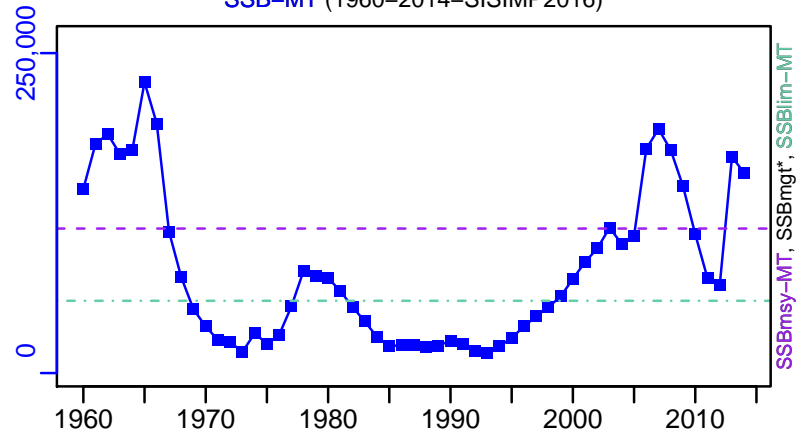
◆ Start Year ◆ End Year * No Data

Haddock Georges Bank [HADGB]

TB*



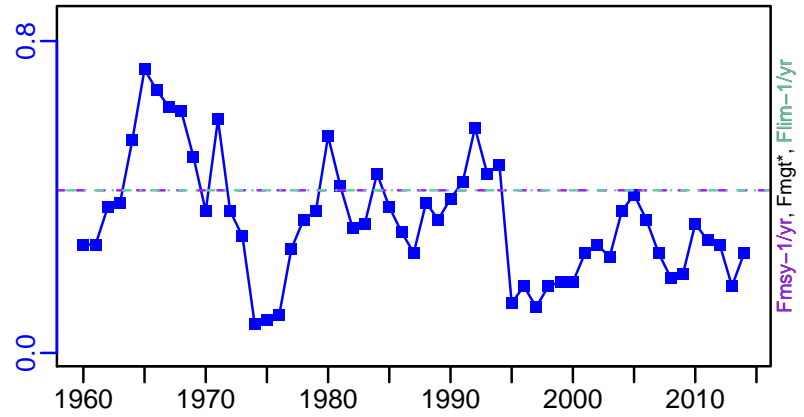
SSB-MT (1960–2014–SISIMP2016)



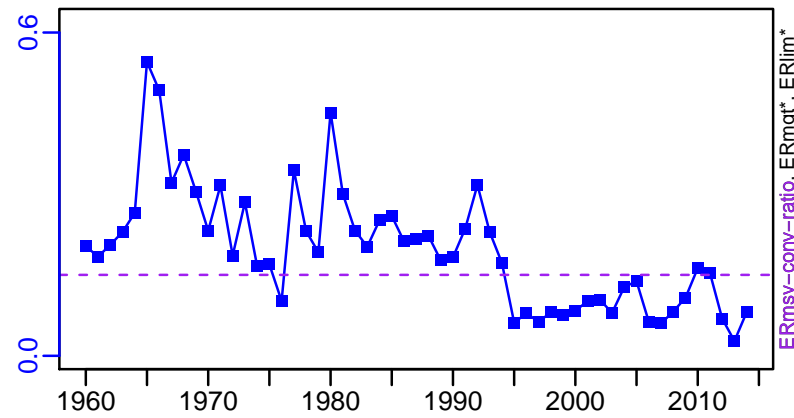
TN *



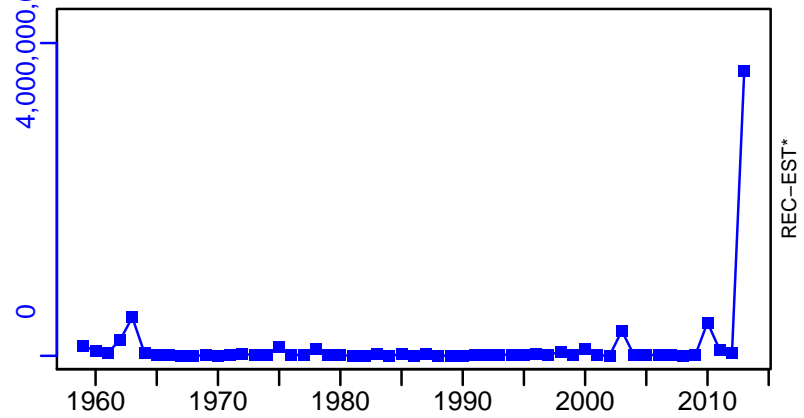
F-1/yr (1960–2014–SISIMP2016)



ER-calc-ratio (1960–2014–SISIMP2016)

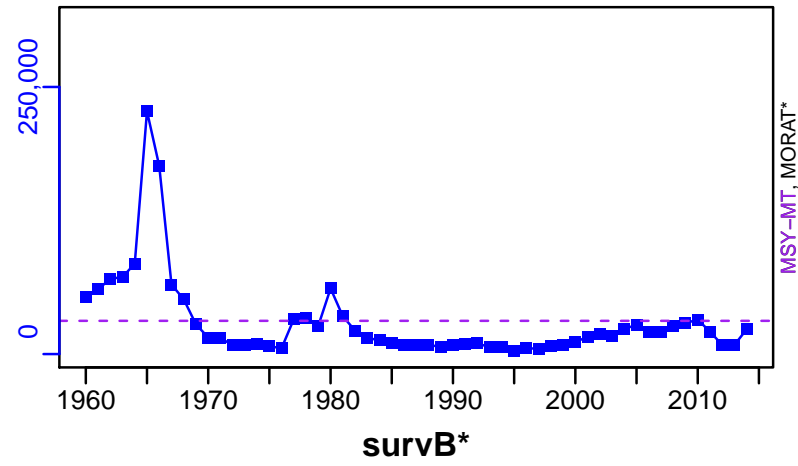


R-E00 (1960–2014–SISIMP2016)



Haddock Georges Bank [HADGB]

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



TAC*, Cpair*, Cadv*



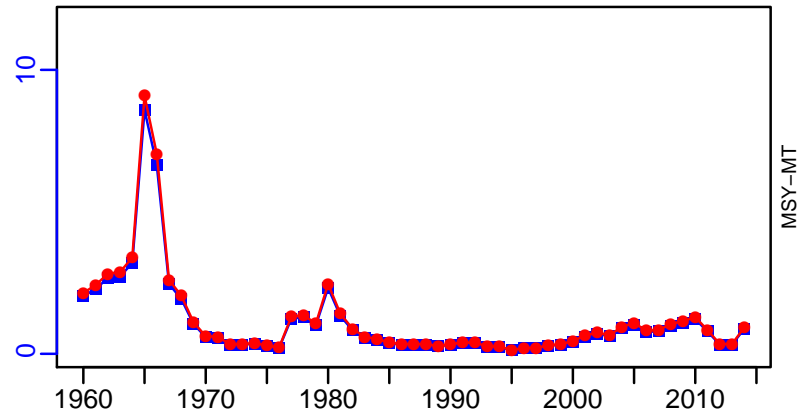
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1960–2014–SISIMP2016)



Herring Northwestern Atlantic Coast [HERRNWATLC]

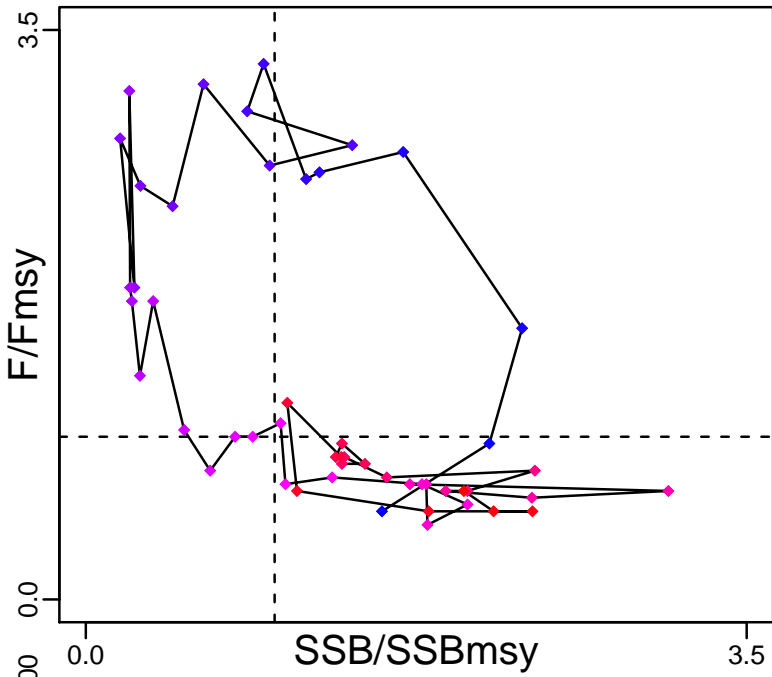
Metadata	
Scientific Name	Clupea harengus
Current Assess ID	NEFSC-HERRNWATLC-1965-2014-SISIMP2016
Area	Northwestern Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2011, 2014

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	0.176
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	-	-	-

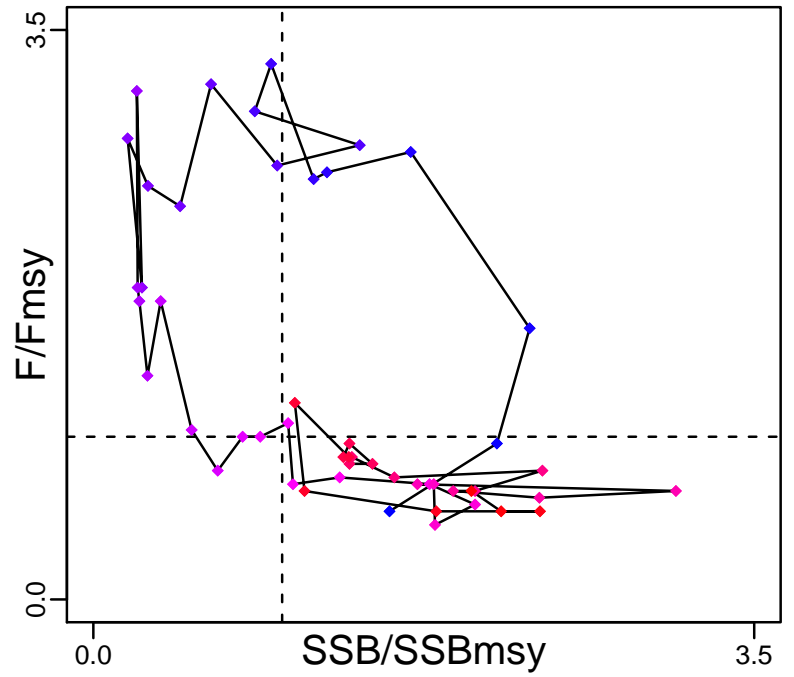
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	1,320,000	-	-
SSB	SSB-MT	2014	623,000	-	-
TN	-	-	-	-	-
R	R-E00	2014	2.75×10^{10}	-	1
F	F-1/yr	2014	0.16	-	5
ER	ER-calc-ratio	2014	0.109	-	-
TC	TC-MT	2014	95,300		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	2.002		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.667		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.616		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Herring Northwestern Atlantic Coast [HERRNWATLC]

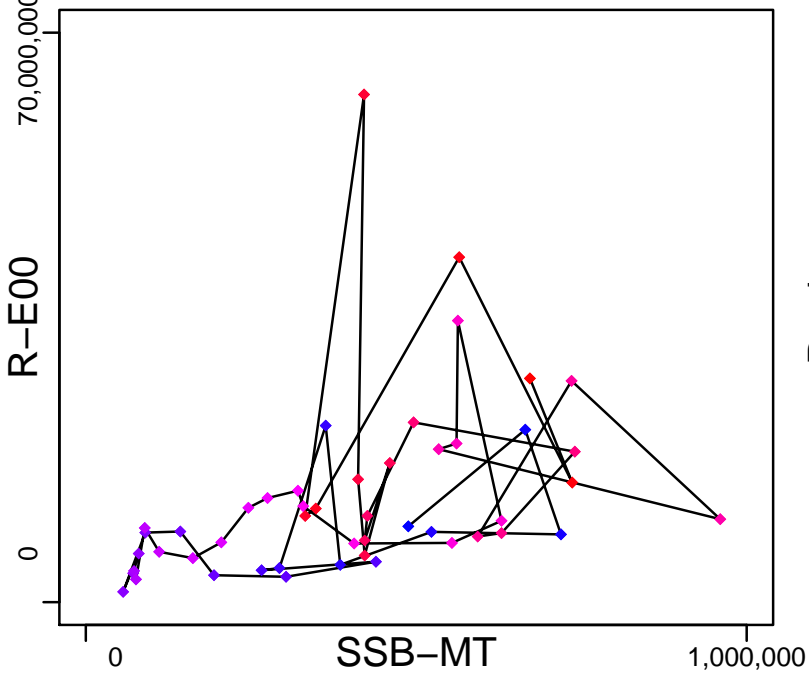
Kobe MSY_{pref} (1965–2014–SISIMP2016)



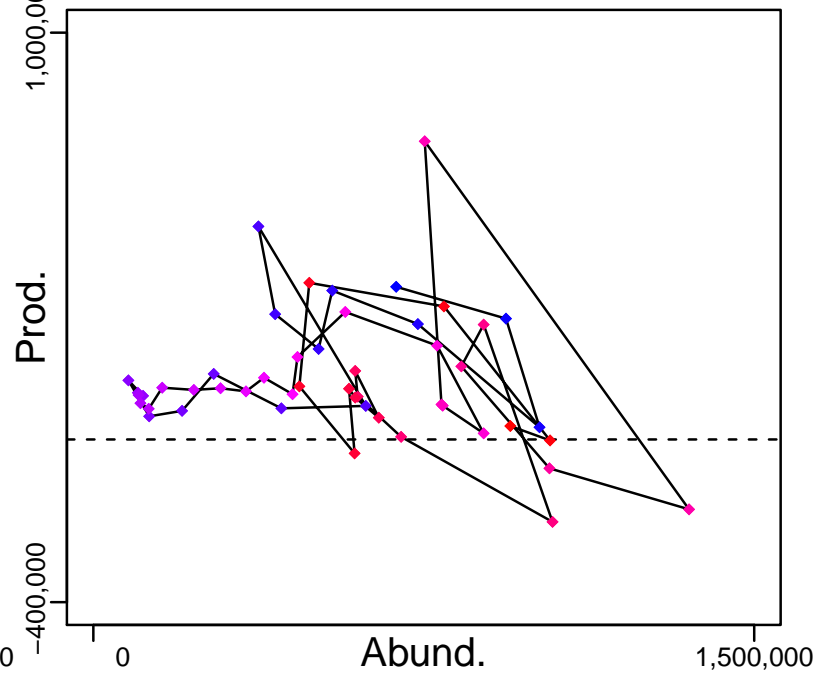
Kobe MGT_{pref} (1965–2014–SISIMP2016)



Spawner Recruit (1965–2014–SISIMP2016)



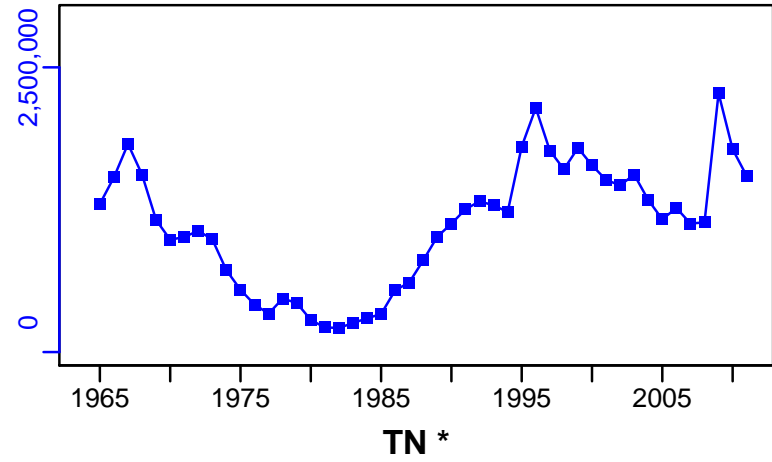
Production (1965–2014–SISIMP2016)



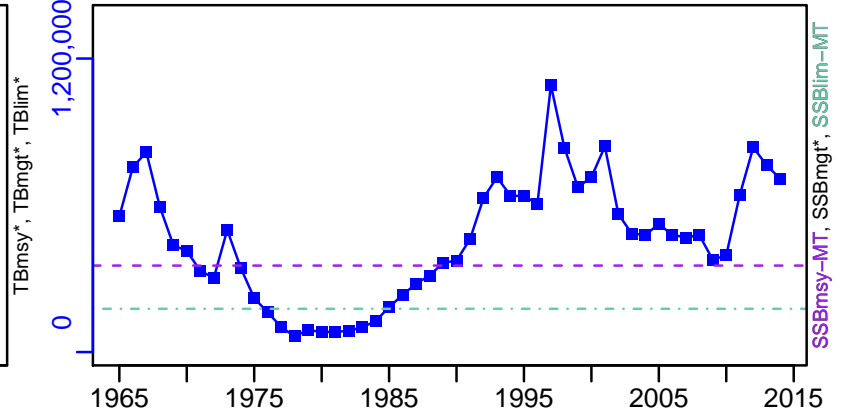
◆ Start Year ◆ End Year * No Data

Herring Northwestern Atlantic Coast [HERRNWATLC]

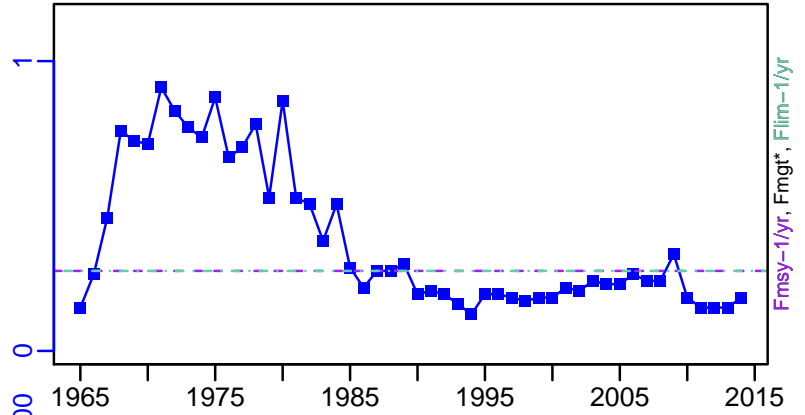
TB-MT (1964–2011–HIVELY)



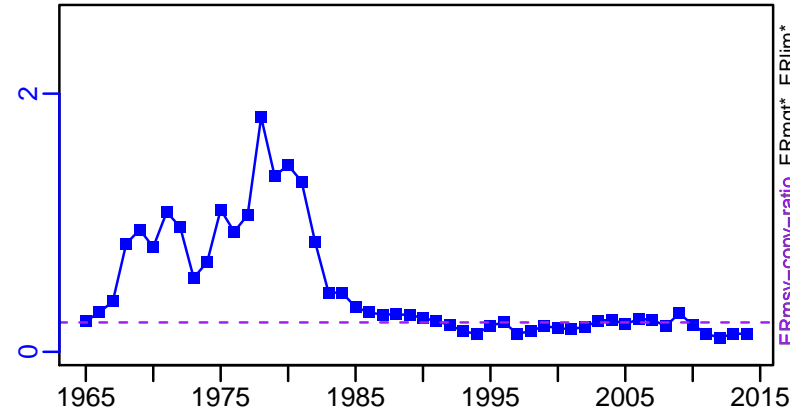
SSB-MT (1965–2014–SISIMP2016)



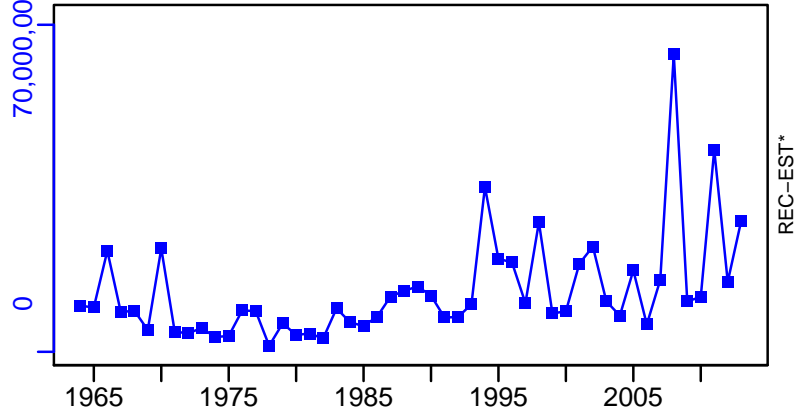
F-1/yr (1965–2014–SISIMP2016)



ER-calc-ratio (1965–2014–SISIMP2016)



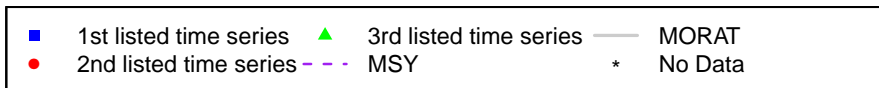
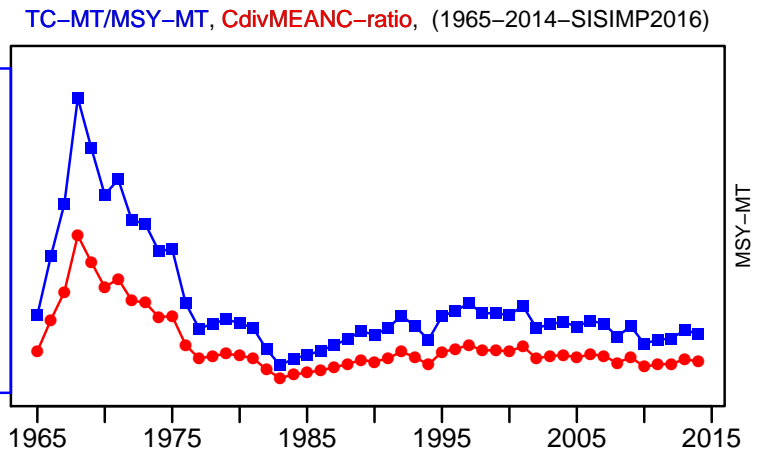
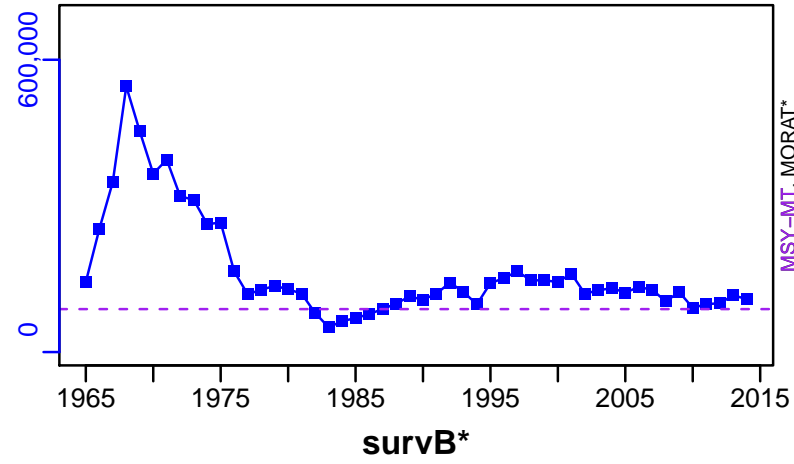
R-E00 (1965–2014–SISIMP2016)



Herring Northwestern Atlantic Coast [HERRNWATLC]

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

TAC*, Cpair*, Cadv*



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	0.7	-	-
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*

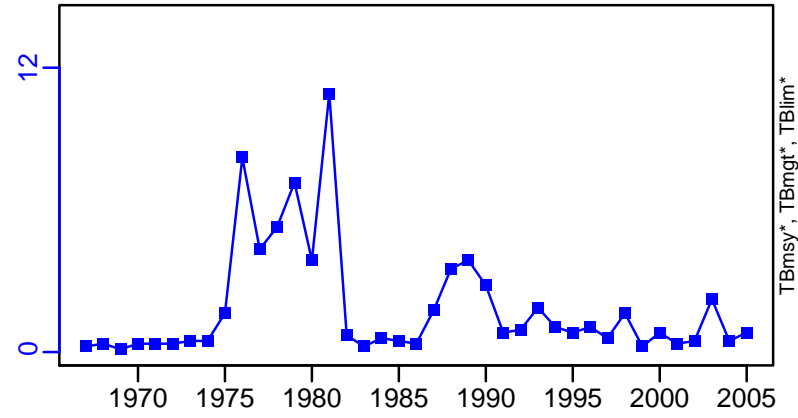


◆ Start Year ◆ End Year * No Data

Northern shortfin squid Northwestern Atlantic Coast [ILLEXNWATLC]

TB-relative (1967–2005–HENDRICKSON)

SSB*

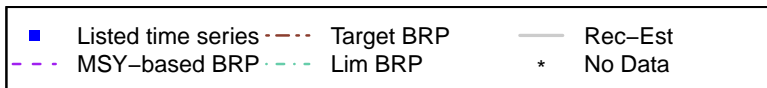


TN *

F*

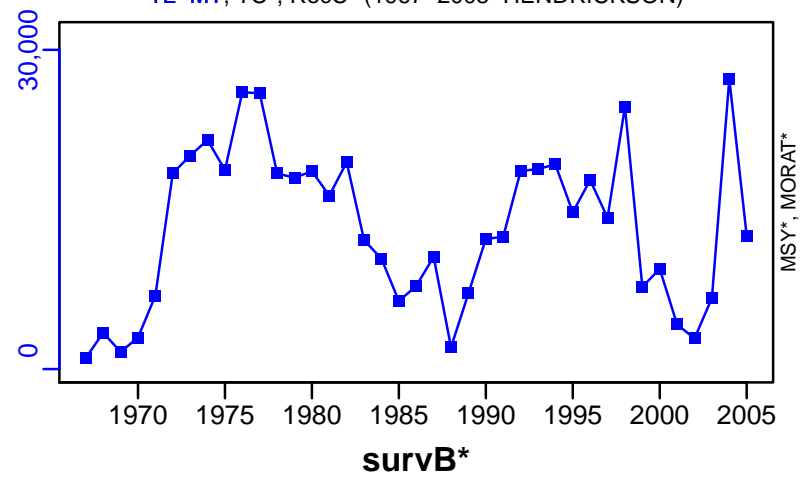
ER*

Recruits*

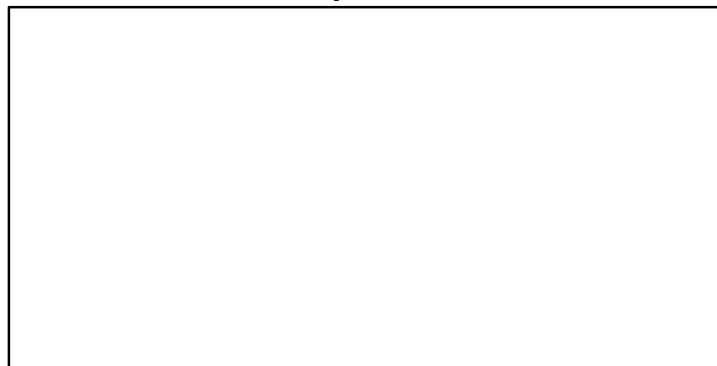


Northern shortfin squid Northwest Atlantic Coast [ILLEXNWATLC]

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



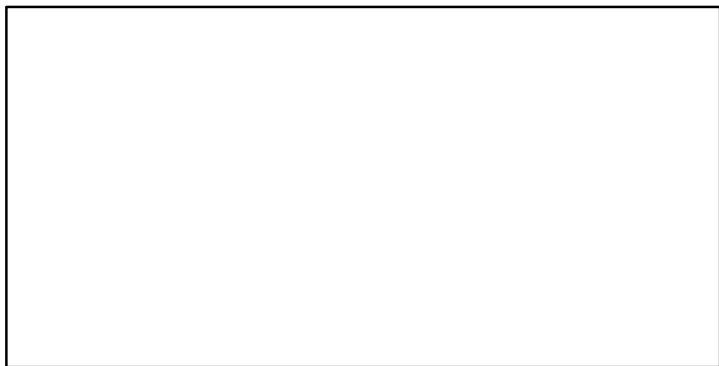
TAC*, Cpair*, Cadv*



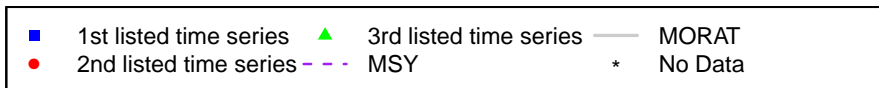
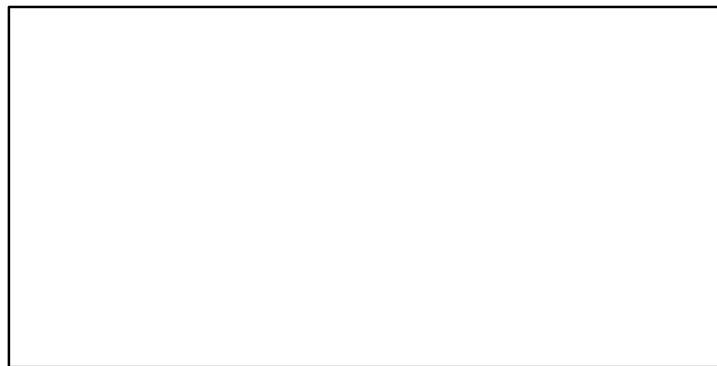
CPUE*



EFFORT*



CdivMSY*

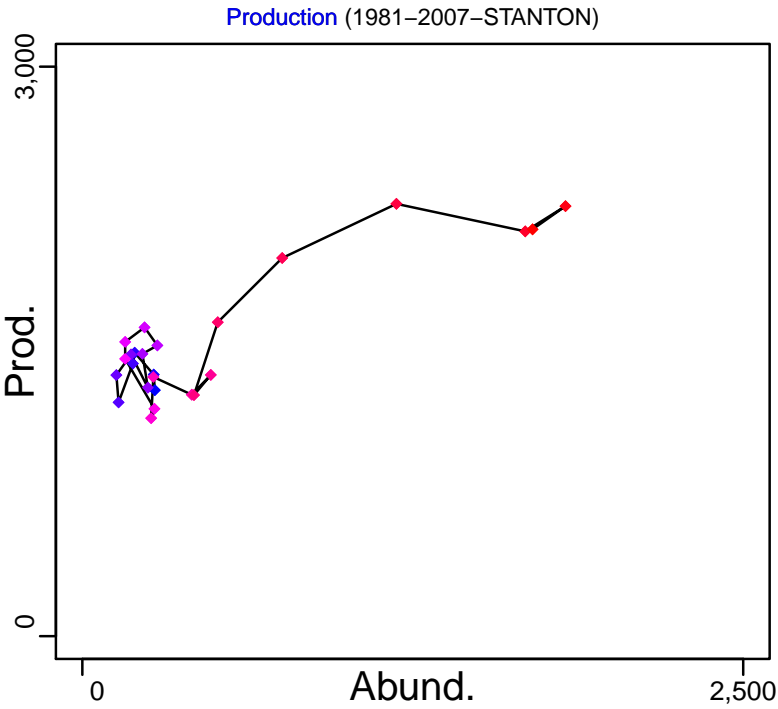
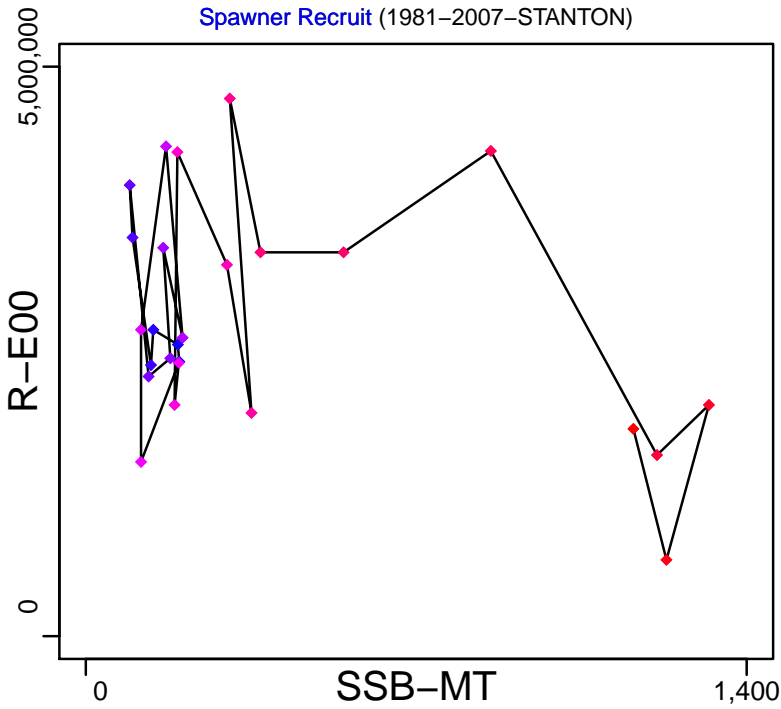
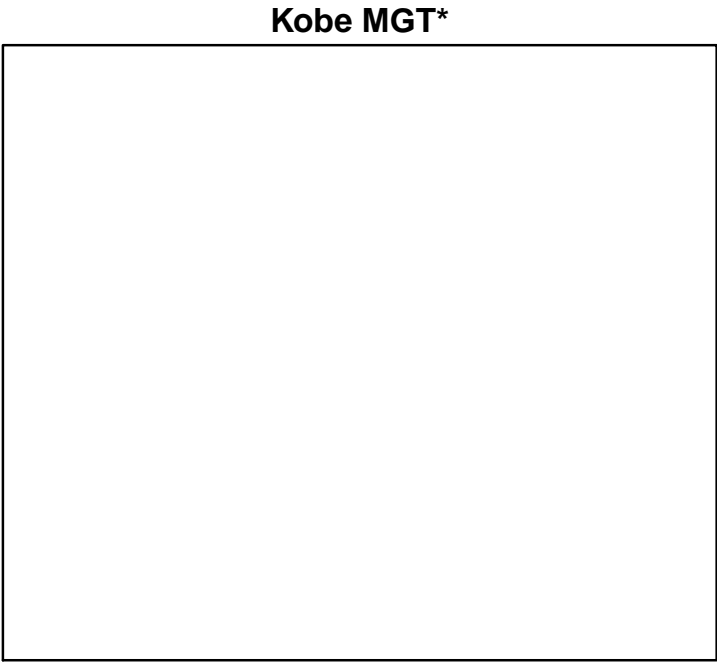
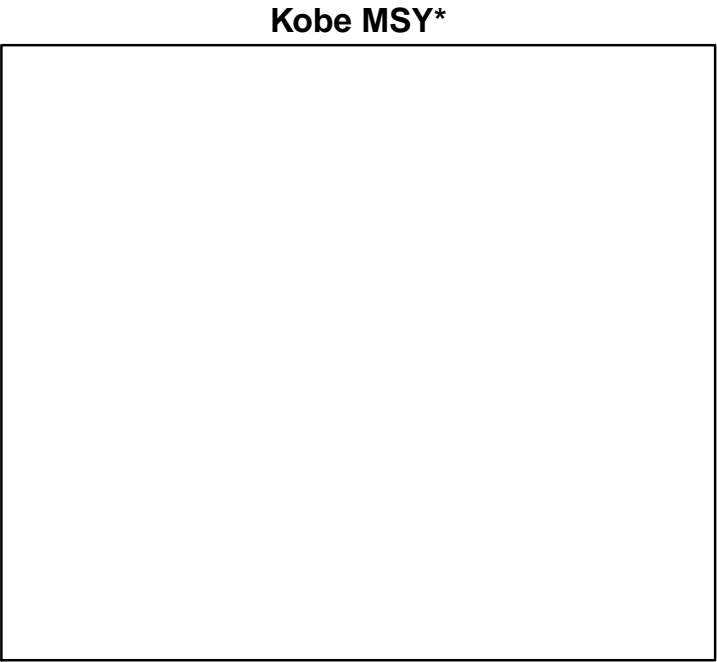


American lobster Georges Bank [LOBSTERGB]

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	0.35	-	-
ER	ER-ratio	2007	0.777	-	-
TC	-	-	-	-	-
TL	TL-MT	2007	2060	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	-	-	-	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	-	-	-	-	-
ER/ERmgt	-	-	-	-	-



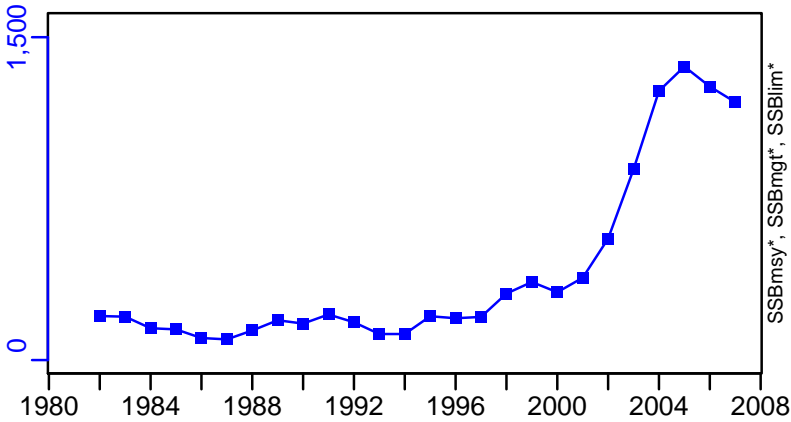
◆ Start Year ◆ End Year * No Data

American lobster Georges Bank [LOBSTERGB]

TB*



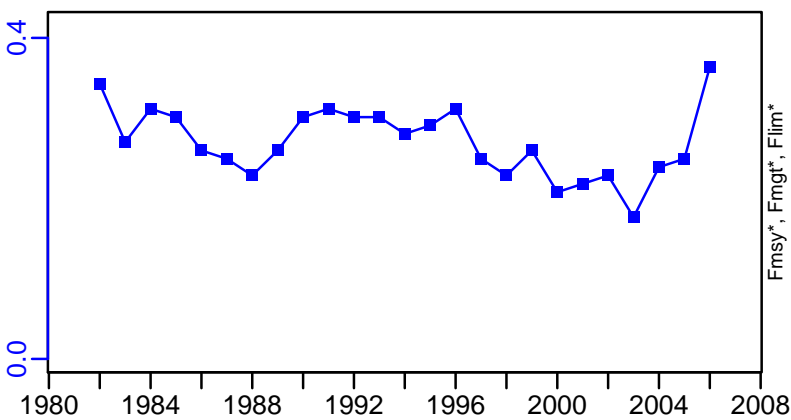
SSB-MT (1981-2007-STANTON)



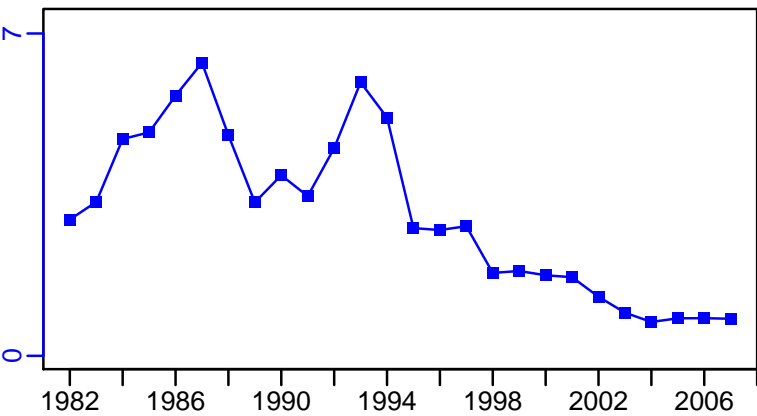
TN *



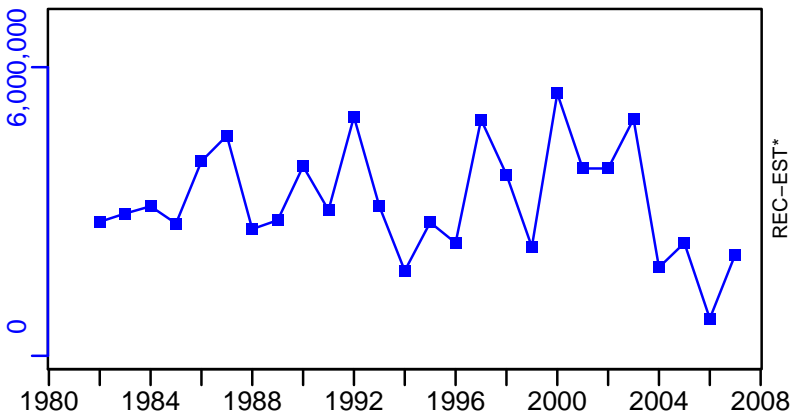
F-1/yr (1981-2007-STANTON)



ER-ratio (1981-2007-STANTON)

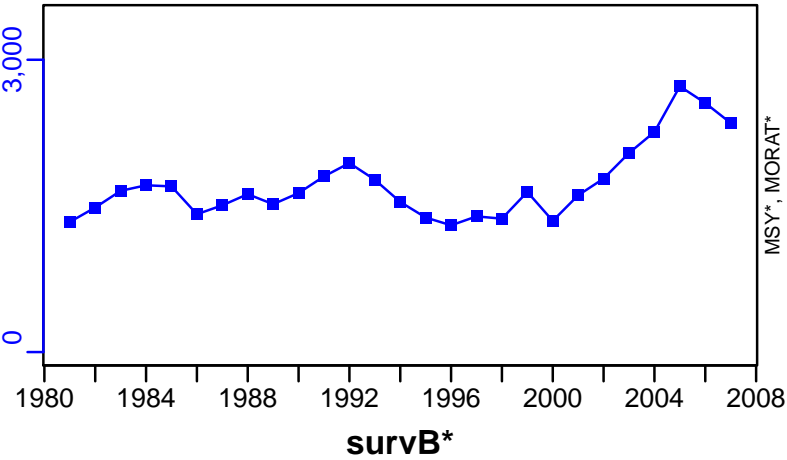


R-E00 (1981-2007-STANTON)



American lobster Georges Bank [LOBSTERGB]

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



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



CdivMSY*



American lobster Gulf of Maine [LOBSTERGOM]

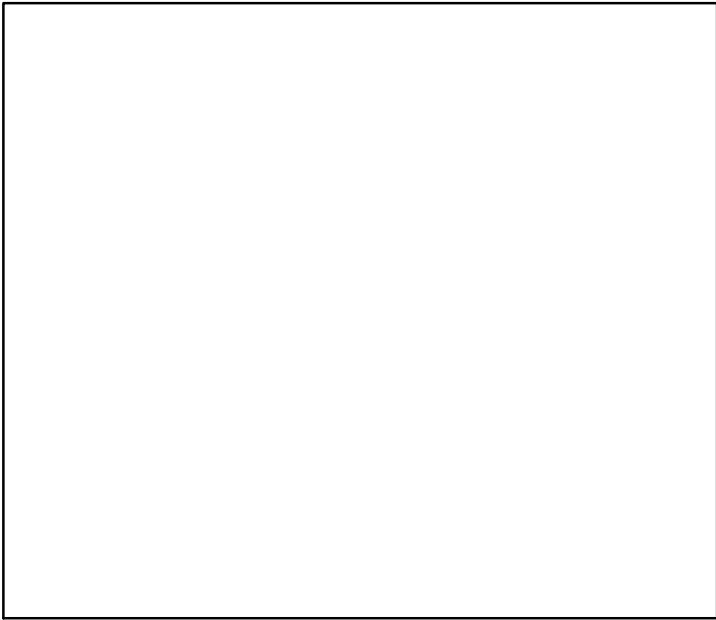
Metadata	
Scientific Name	Homarus americanus
Current Assess ID	ASMFC-LOBSTERGOM-1981-2007-STANTON
Area	Gulf of Maine
Management Authority	National Marine Fisheries Service, US national management
Assessor	Atlantic States Marine Fisheries Commission
Asmts in RAM	2007

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	1.25	-	-
ER	ER-ratio	2007	1.63	-	-
TC	-	-	-		
TL	TL-MT	2007	32,700		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2007	0.581		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

American lobster Gulf of Maine [LOBSTERGOM]

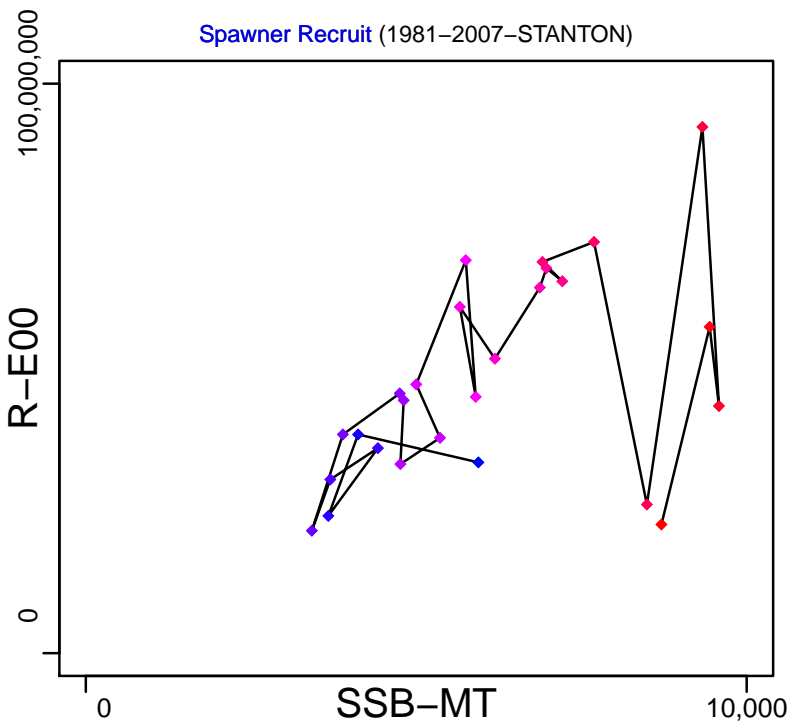
Kobe MSY*



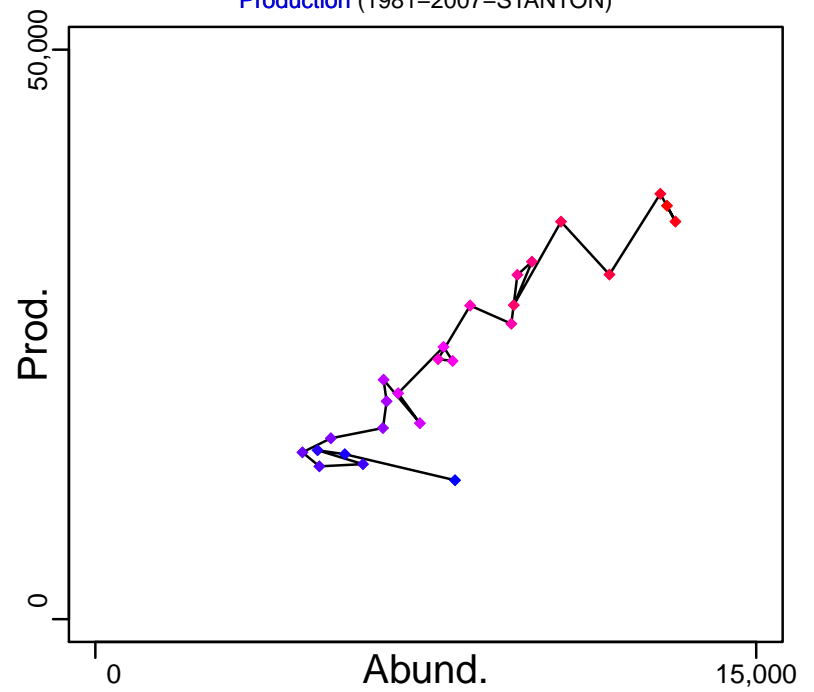
Kobe MGT*



Spawner Recruit (1981–2007–STANTON)



Production (1981–2007–STANTON)



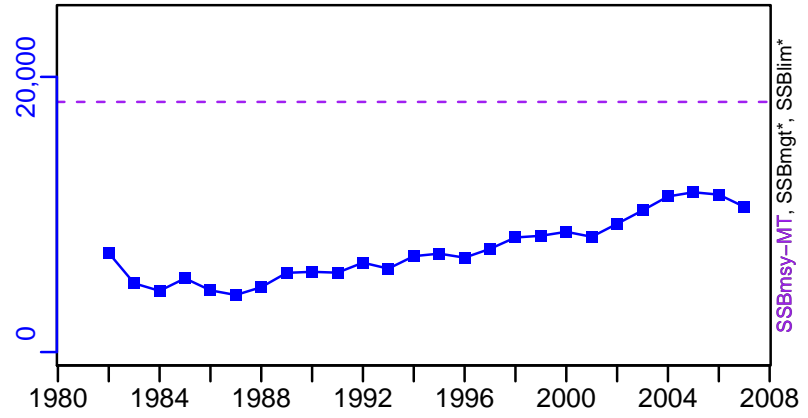
◆ Start Year ◆ End Year * No Data

American lobster Gulf of Maine [LOBSTERGOM]

TB*



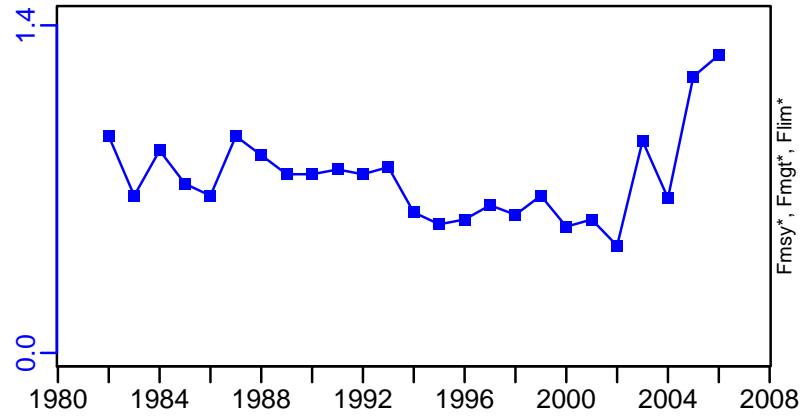
SSB-MT (1981-2007-STANTON)



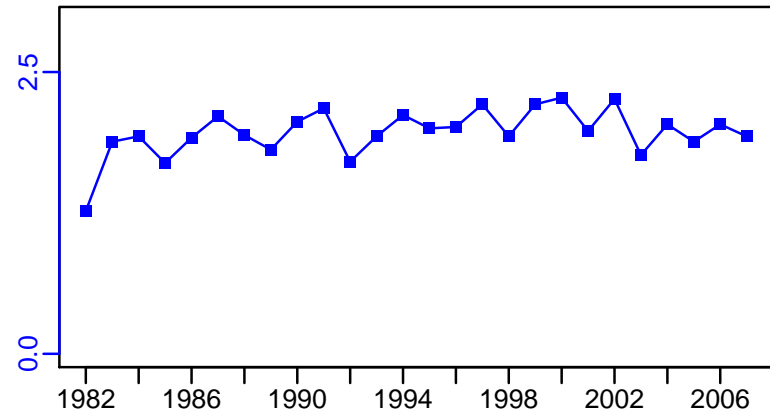
TN *



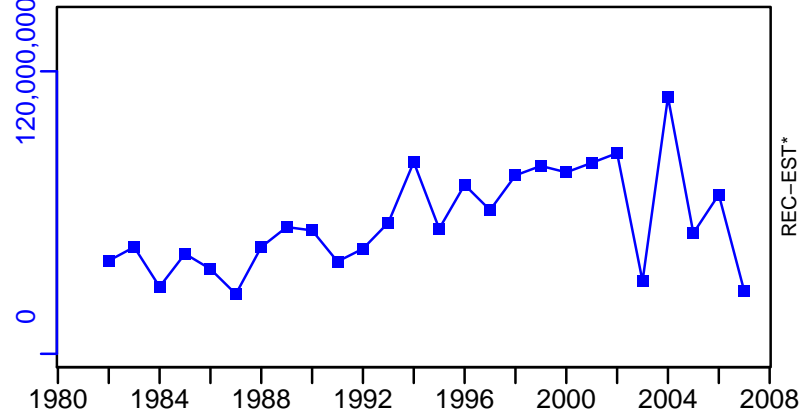
F-1/yr (1981-2007-STANTON)



ER-ratio (1981-2007-STANTON)



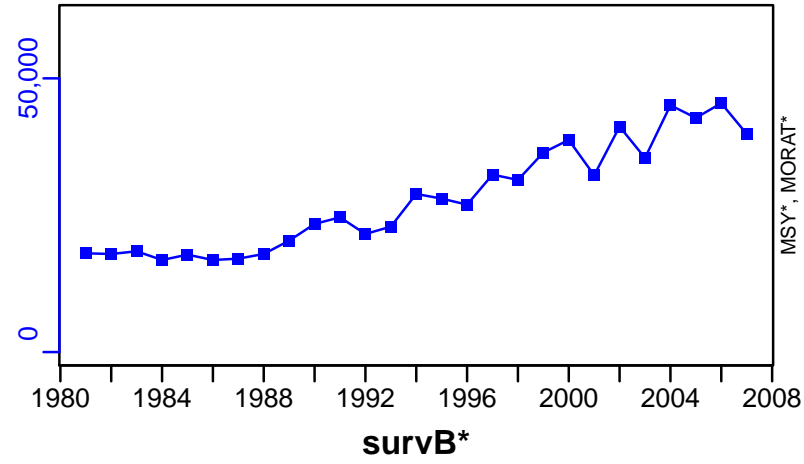
R-E00 (1981-2007-STANTON)



American lobster Gulf of Maine [LOBSTERGOM]

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

TAC*, Cpair*, Cadv*



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	1.04	-	-
ER	ER-ratio	2007	0.283	-	-
TC	-	-	-		
TL	TL-MT	2007	2440		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

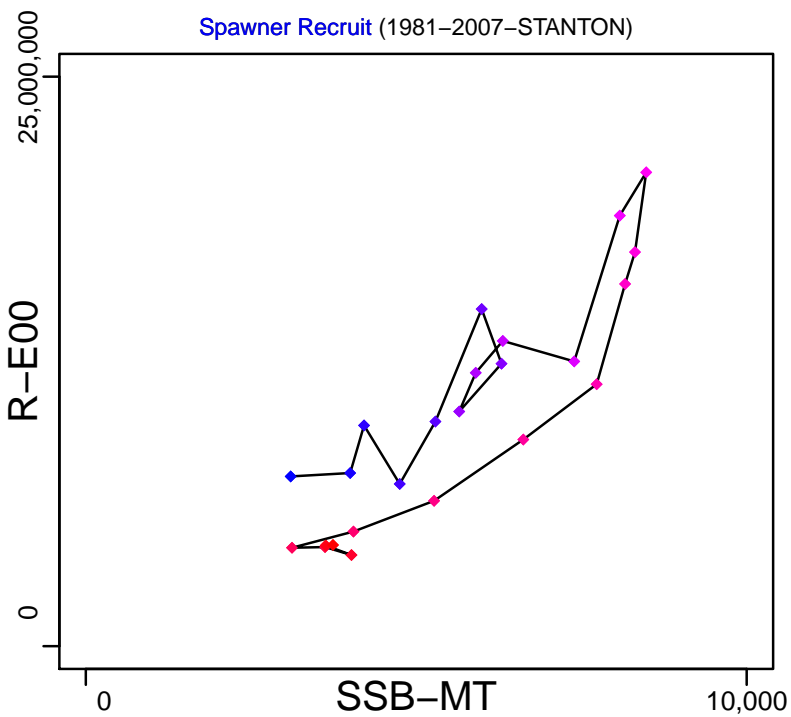
Kobe MSY*



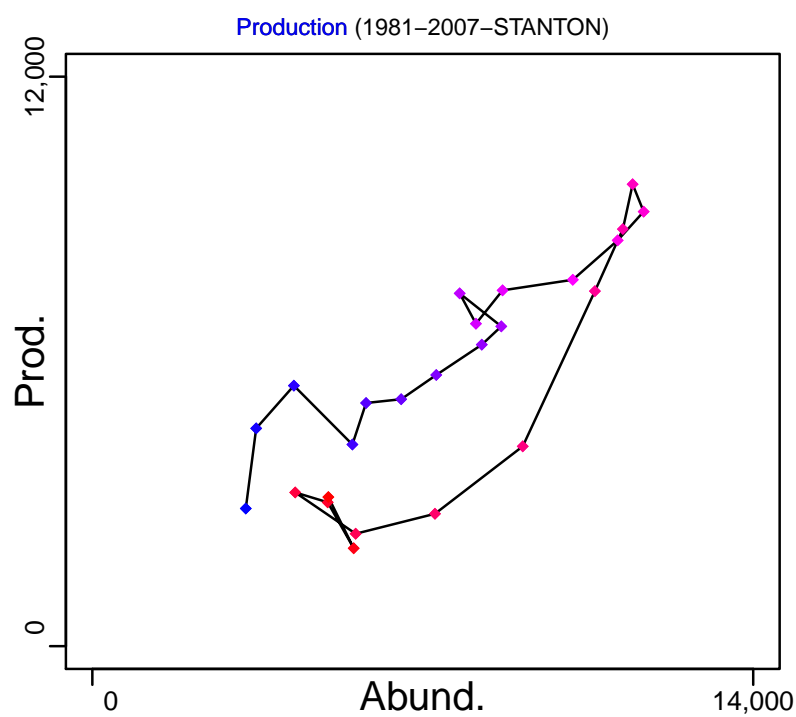
Kobe MGT*



Spawner Recruit (1981–2007–STANTON)



Production (1981–2007–STANTON)



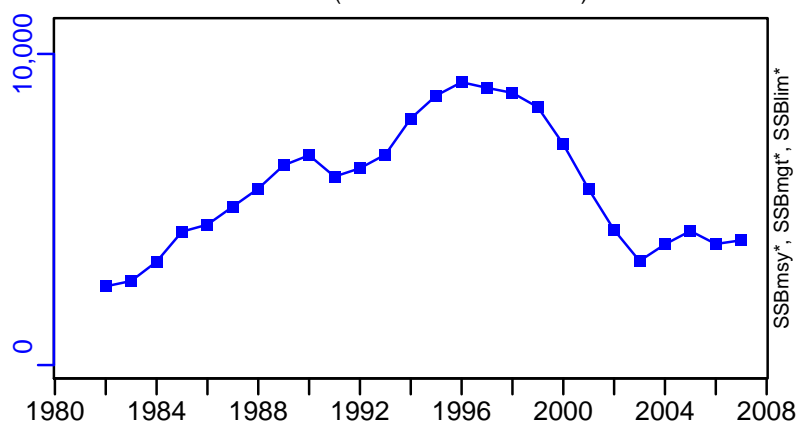
◆ Start Year ◆ End Year * No Data

American lobster Southern New England [LOBSTERSNE]

TB*



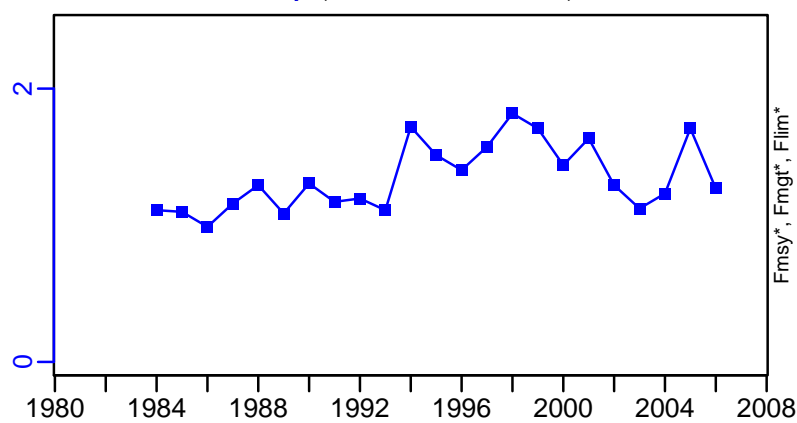
SSB-MT (1981-2007-STANTON)



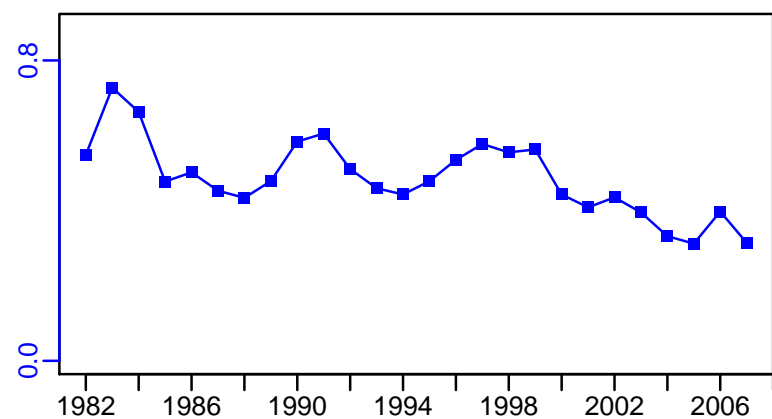
TN *



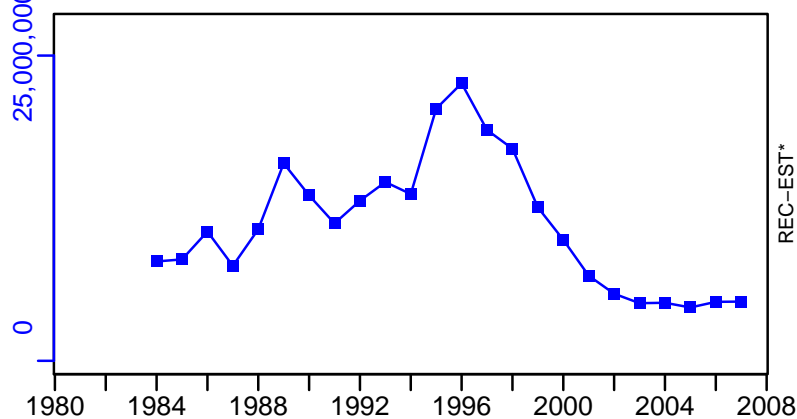
F-1/yr (1981-2007-STANTON)



ER-ratio (1981-2007-STANTON)



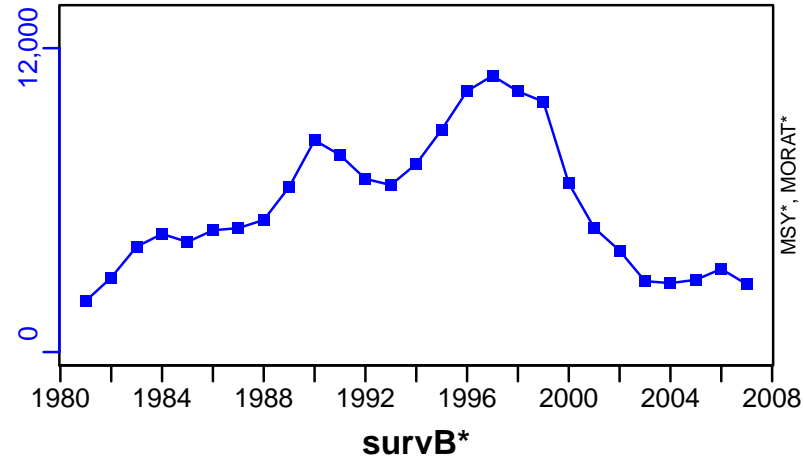
R-E00 (1981-2007-STANTON)



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	TC-MT	2006	3320		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

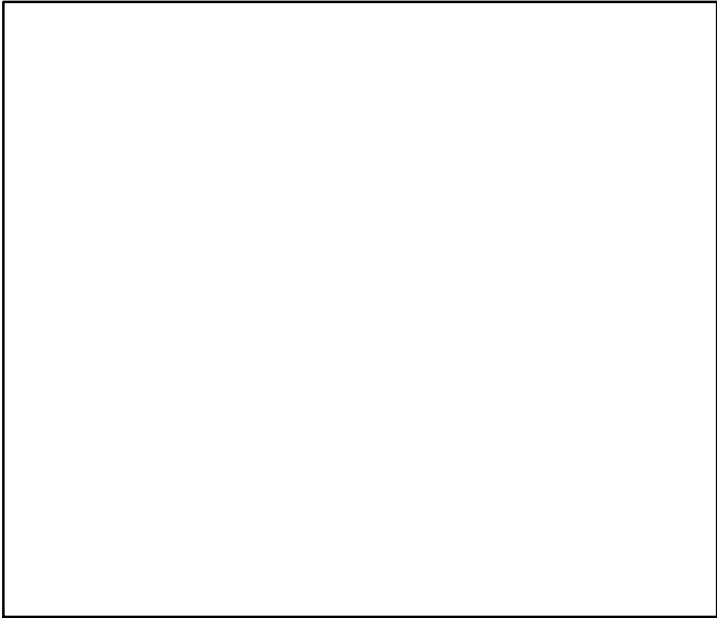
Kobe MSY*



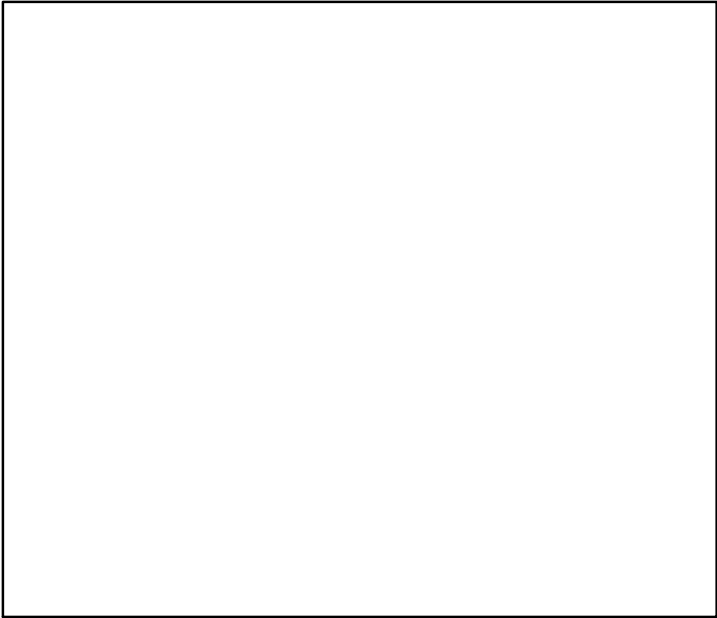
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



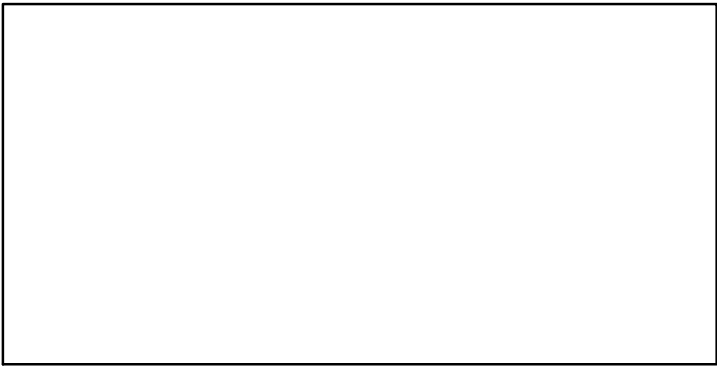
SSB*



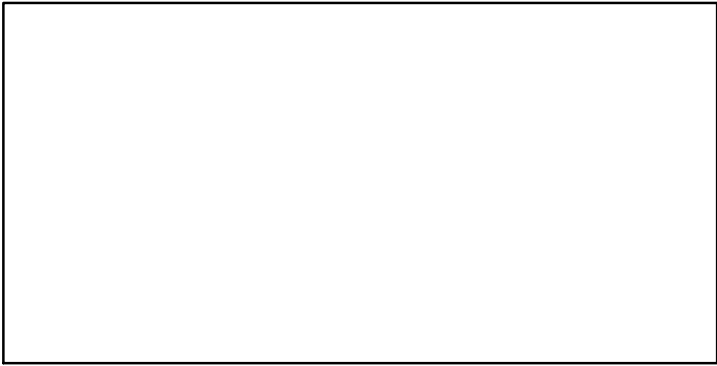
TN *



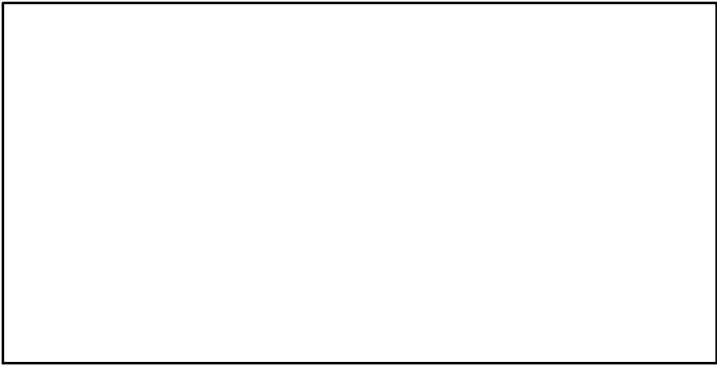
F*



ER*



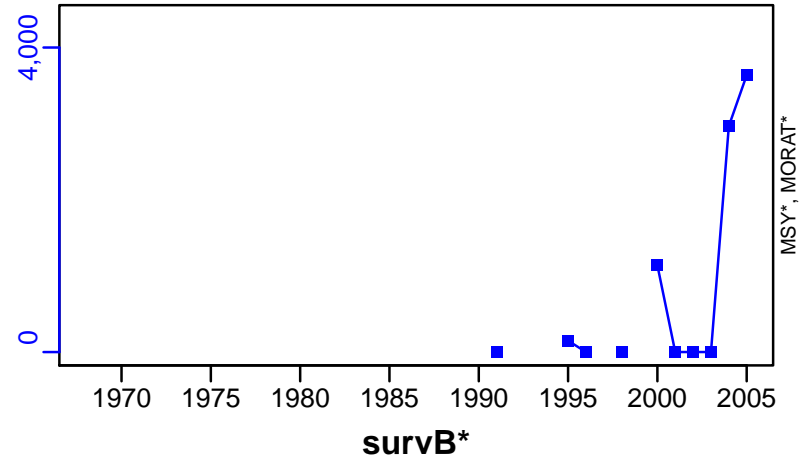
Recruits*



Little skate Gulf of Maine / Cape Hatteras [LSKAT5YCHATT]

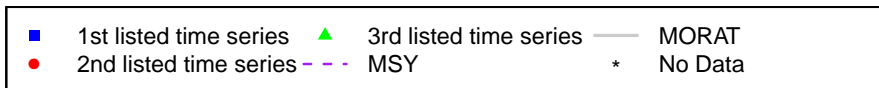
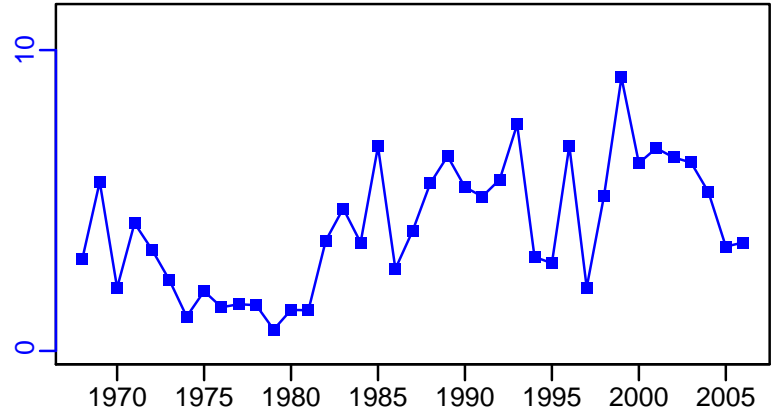
TC-MT, TL*, RecC* (1968-2006-SOSEBEE)

TAC*, Cpair*, Cadv*



EFFORT*

CPUE-kgpertow (1968-2006-SOSEBEE)



Atlantic menhaden Atlantic [MENATLAN]

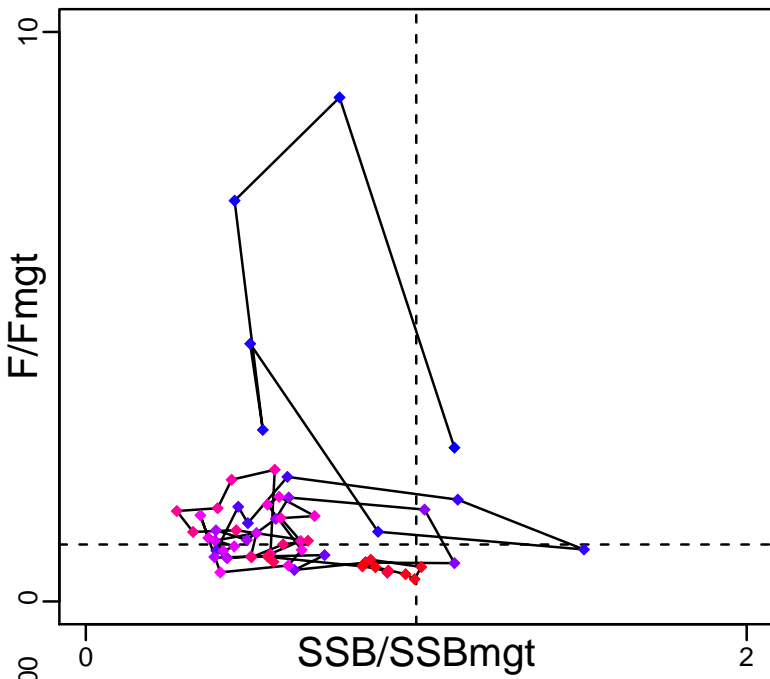
Metadata	
Scientific Name	Brevoortia tyrannus
Current Assess ID	ASMFC-MENATLAN-1940-2017-ASHBROOK
Area	Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Atlantic States Marine Fisheries Commission
Asmts in RAM	2017, 2005

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2017	1,544,707
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2017	0.214
TBmgt	-	-	-
SSBmgt	SSBmgt-E00eggs	2017	9.95×10^{13}
Fmgt	Fmgt-1/yr	2017	0.8
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2017	330,924
M	M-1/yr	2005	0.5
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

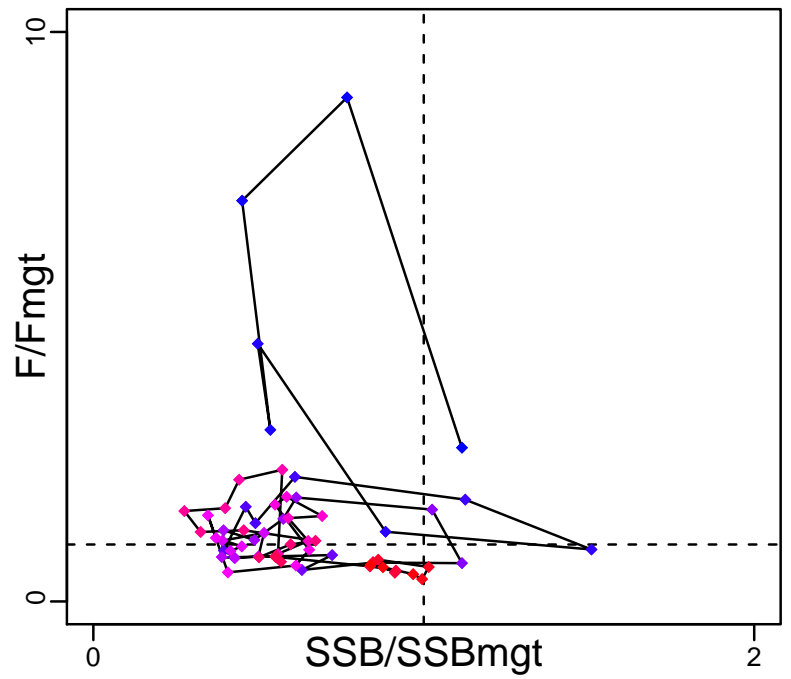
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2017	1,210,000	-	0-6+
SSB	SSB-E00eggs	2017	8.35×10^{13}	-	-
TN	TN-E00	2017	1.84×10^{10}	-	0-6+
R	R-E00	2017	8.65×10^9	-	0
F	F-1/yr	2017	0.515	-	2 to 4
ER	ER-calc-ratio	2017	0.113	-	-
TC	-	-	-		
TL	TL-MT	2017	137,000		
TB/TBmsy	TB-MT/TBmsy-est-MT	2017	0.783		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2017	0.529		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-E00eggs/SSBmgt-E00eggs	2017	0.839		
F/Fmgt	F-1/yr/Fmgt-1/yr	2017	0.644		
ER/ERmgt	-	-	-		

Atlantic menhaden Atlantic [MENATLAN]

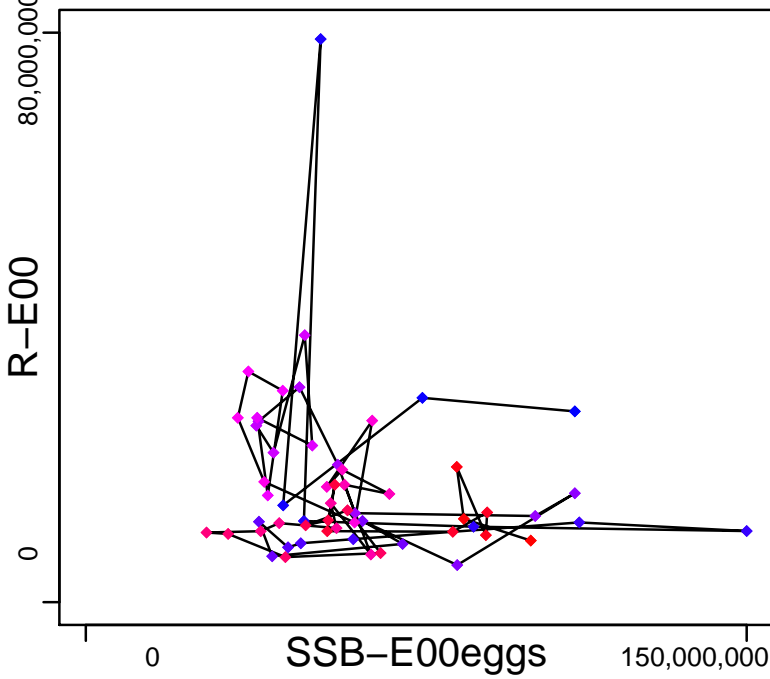
Kobe MSYpref (1940–2017–ASHBROOK)



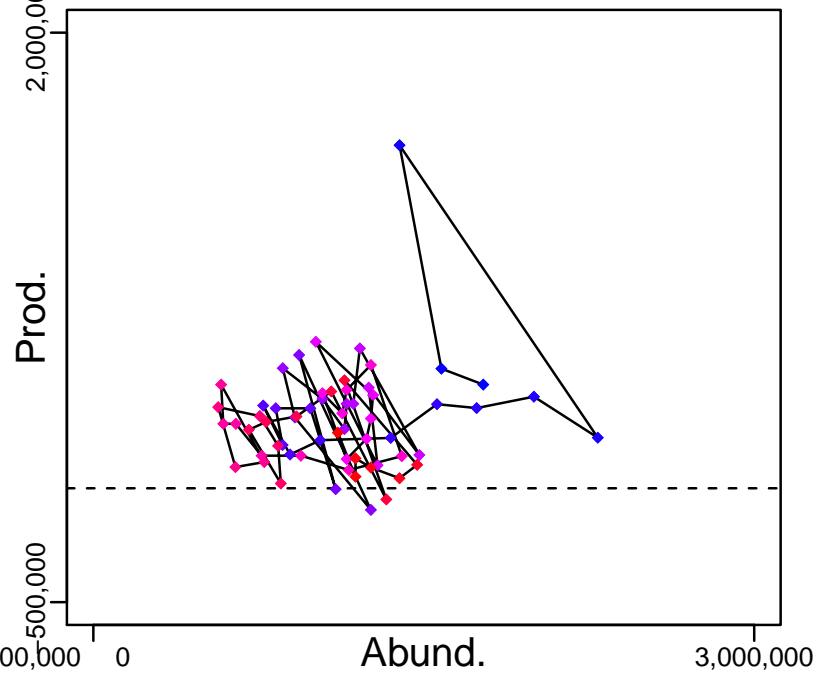
Kobe MGTpref (1940–2017–ASHBROOK)



Spawner Recruit (1940–2017–ASHBROOK)

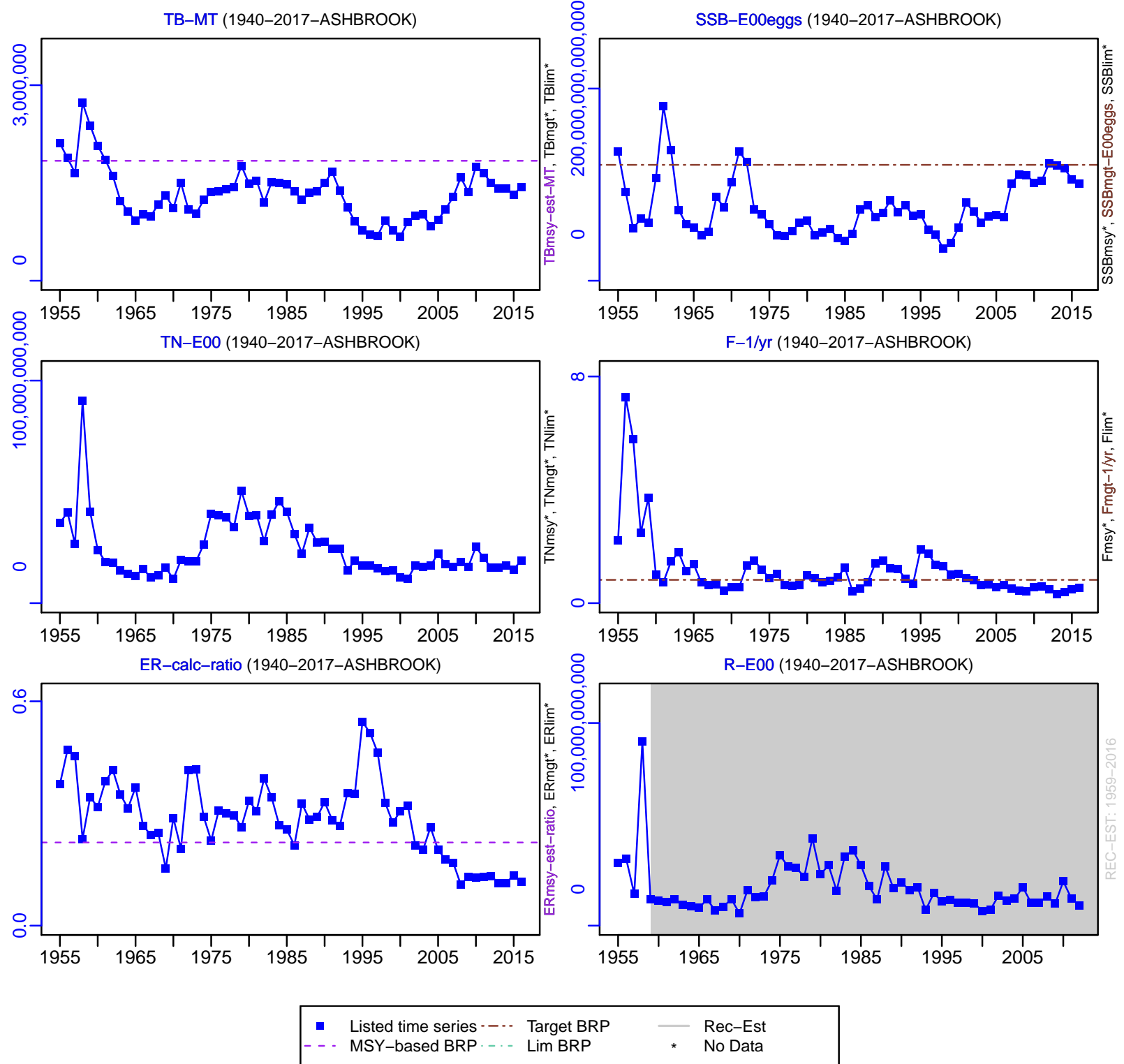


Production (1940–2017–ASHBROOK)



◆ Start Year ◆ End Year * No Data

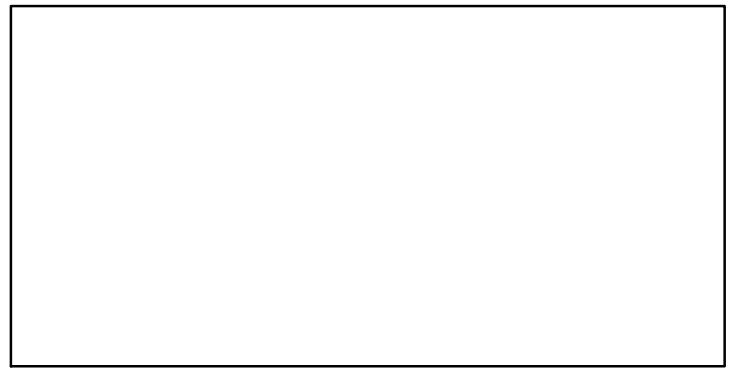
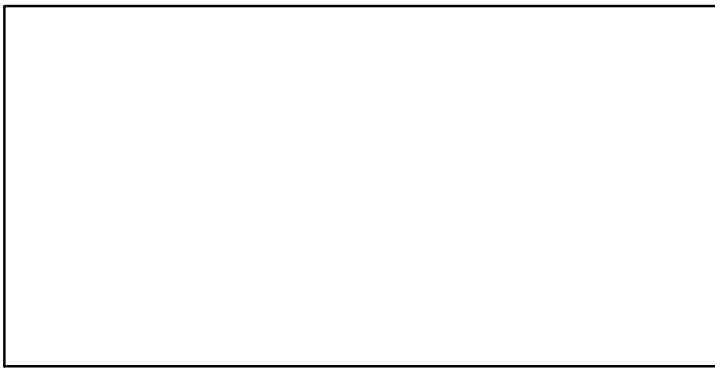
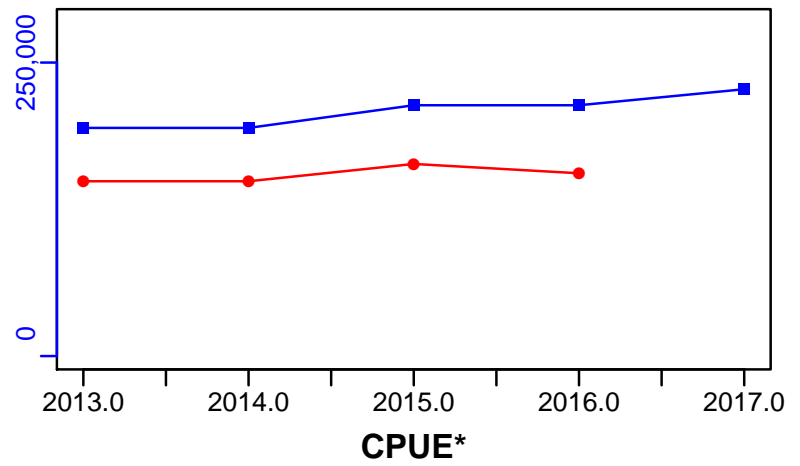
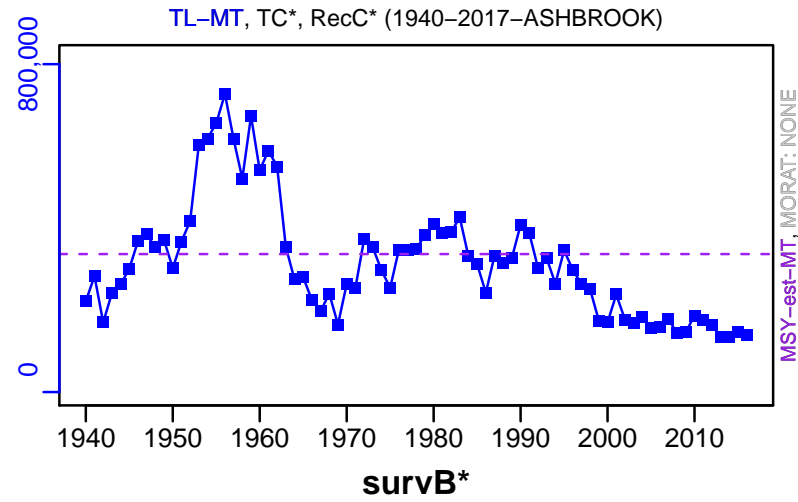
Atlantic menhaden Atlantic [MENATLAN]



Atlantic menhaden Atlantic [MENATLAN]

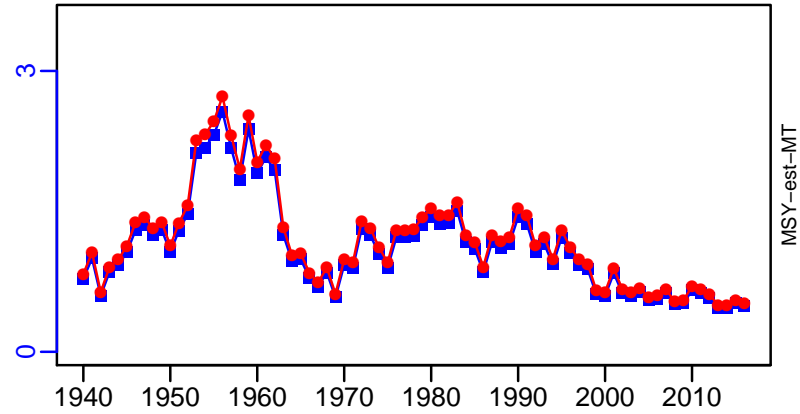
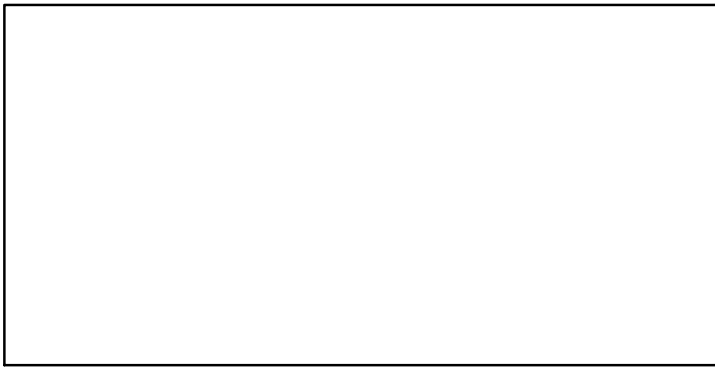
TL-MT, TC*, RecC* (1940–2017–ASHBROOK)

TAC-MT, Cpair-MT, Cadv* (1940–2017–ASHBROOK)



EFFORT*

TL-MT/MSY-est-MT, CdivMEANC-ratio, (1940–2017–ASHBROOK)



Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]

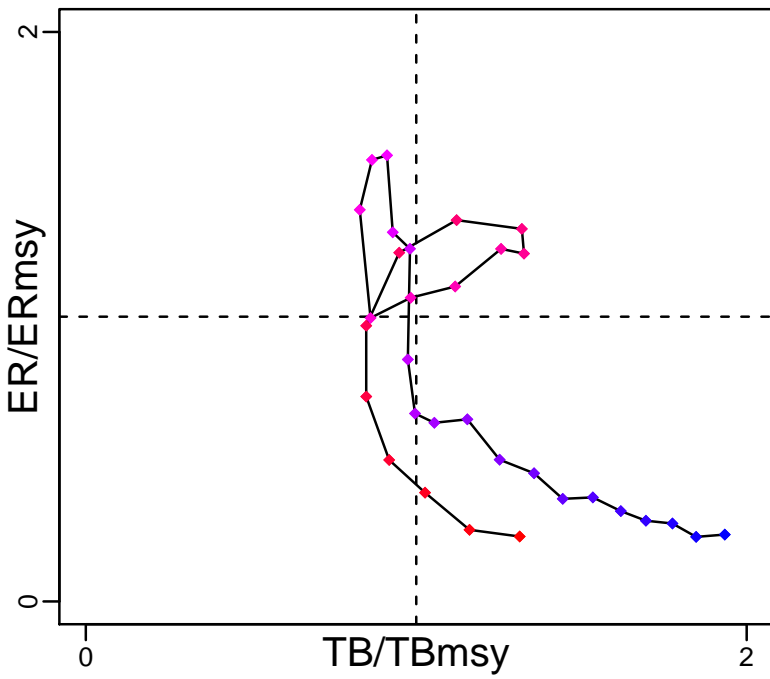
Metadata	
Scientific Name	Lophius americanus
Current Assess ID	NEFSC-MONKGOMNGB-1979-2010-SISIMP2016
Area	Gulf of Maine / Northern Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2010, 2009

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	0.204
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	-	-	-

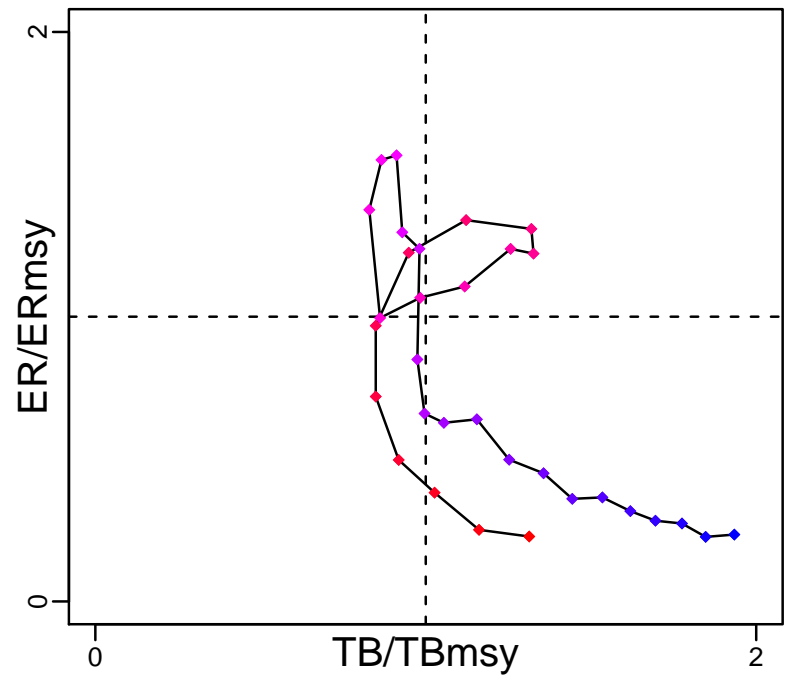
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2010	60,500	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-E00	2010	11,700,000	-	1
F	F-1/yr	2010	0.08	-	-
ER	ER-calc-ratio	2010	0.046	-	-
TC	TC-MT	2010	2810		
TL	TL-MT	2009	3260		
TB/TBmsy	TB-MT/TBmsy-MT	2010	1.313		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2010	0.182		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2010	0.228		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]

Kobe MSYpref (1979–2010–SISIMP2016)



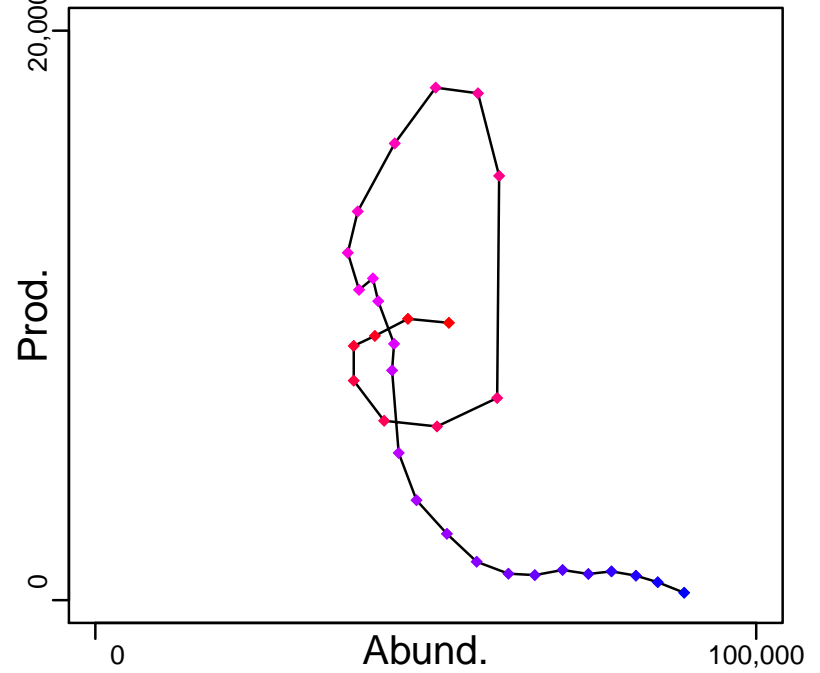
Kobe MGTpref (1979–2010–SISIMP2016)



Spawner Recruit*



Production (1979–2010–SISIMP2016)

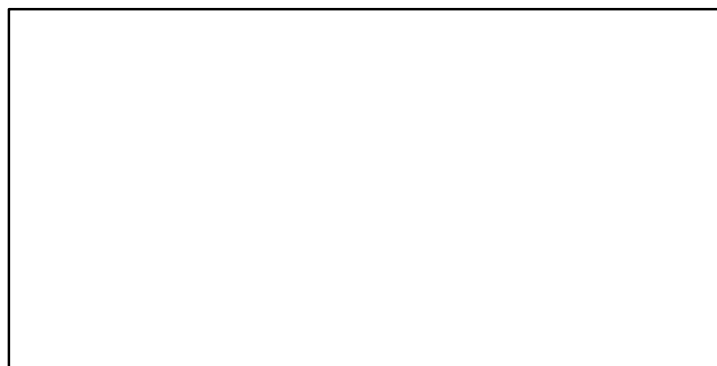
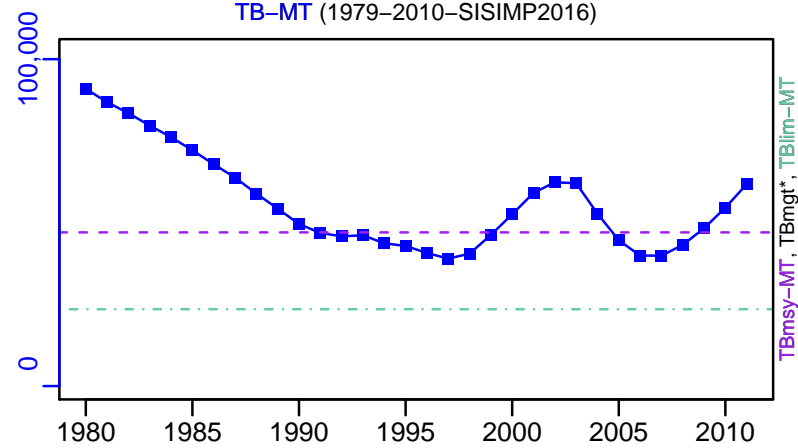


◆ Start Year ◆ End Year * No Data

Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]

TB-MT (1979–2010–SISIMP2016)

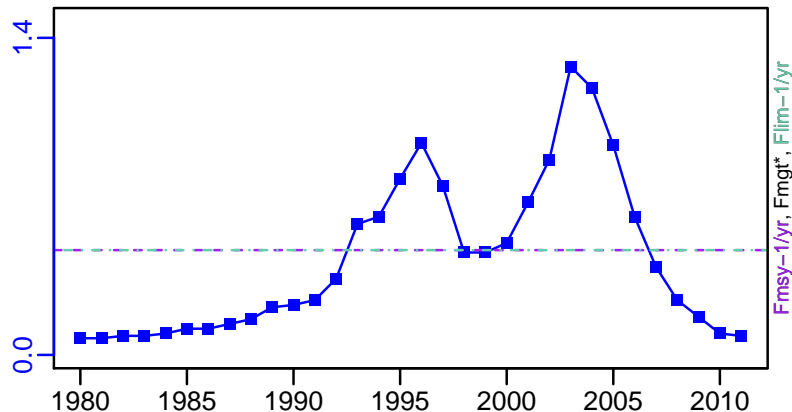
SSB*



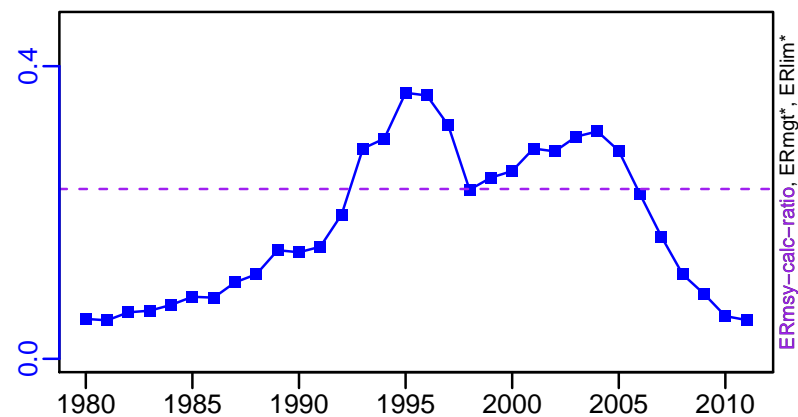
TN *



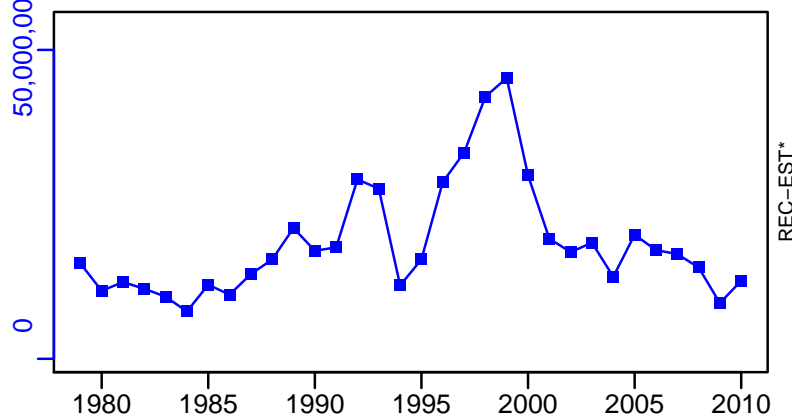
F-1/yr (1979–2010–SISIMP2016)



ER-calc-ratio (1979–2010–SISIMP2016)

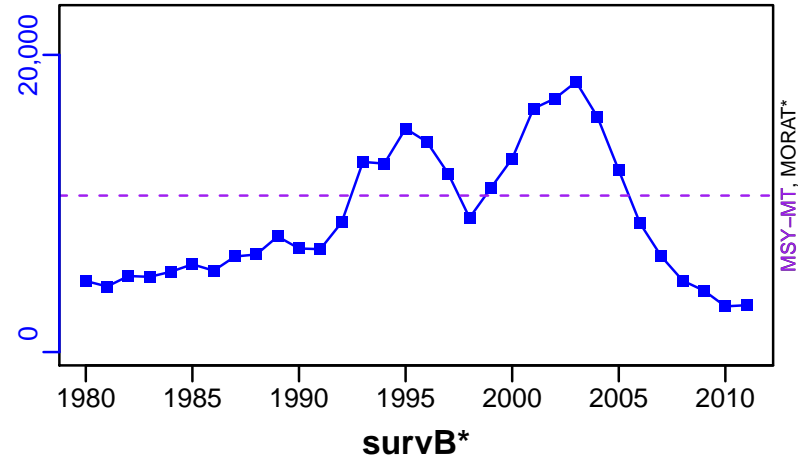


R-E00 (1979–2010–SISIMP2016)



Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]

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



TAC*, Cpair*, Cadv*



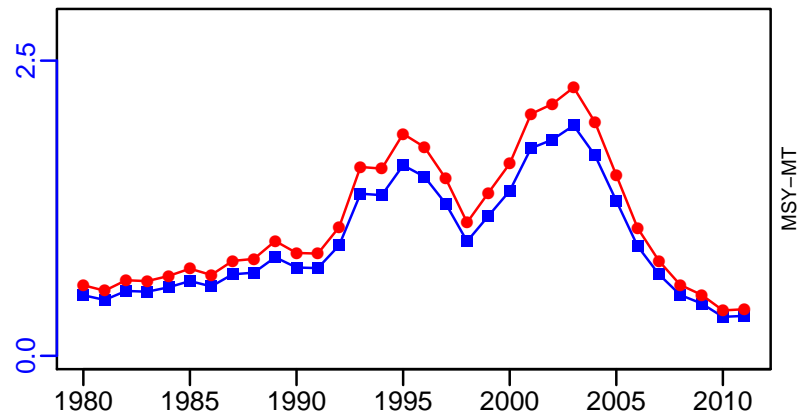
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1979-2010-SISIMP2016)



Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]

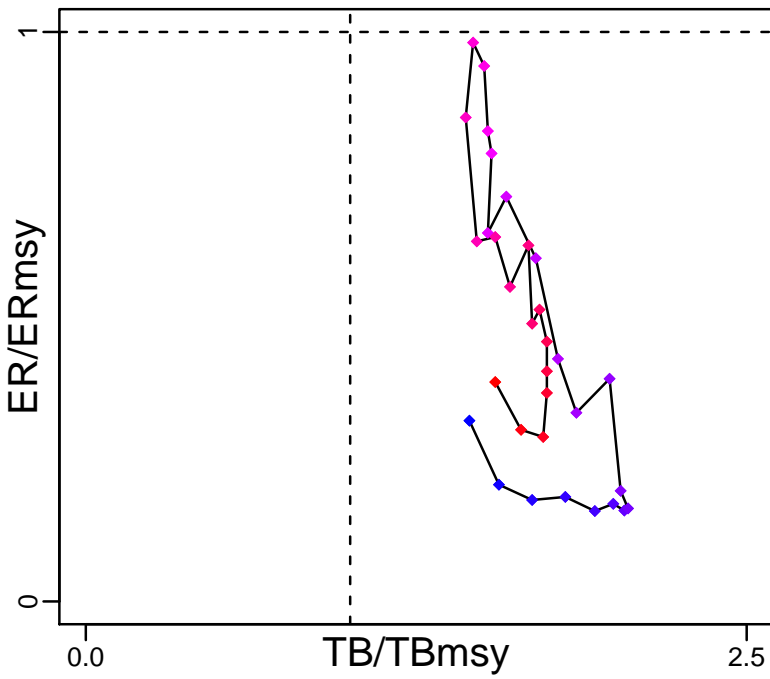
Metadata	
Scientific Name	Lophius americanus
Current Assess ID	NEFSC-MONKSGBMATL-1979-2010-SISIMP2016
Area	Southern Georges Bank / Mid-Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2010, 2009

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	-	-	-

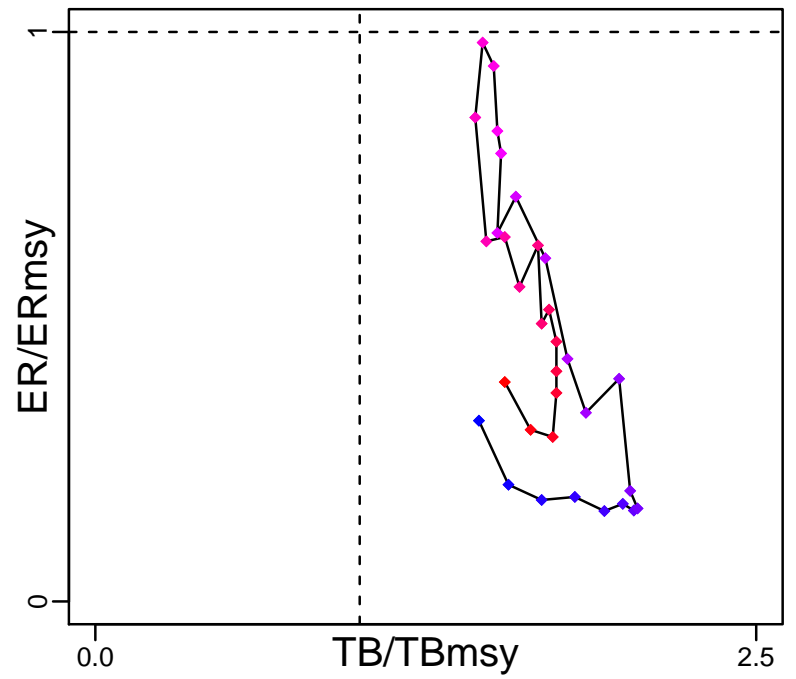
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2010	111,000	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-E00	2010	23,300,000	-	1
F	F-1/yr	2010	0.11	-	-
ER	ER-calc-ratio	2010	0.077	-	-
TC	TC-MT	2010	8550		
TL	TL-MT	2009	5300		
TB/TBmsy	TB-MT/TBmsy-MT	2010	1.549		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2010	0.297		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2010	0.385		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]

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



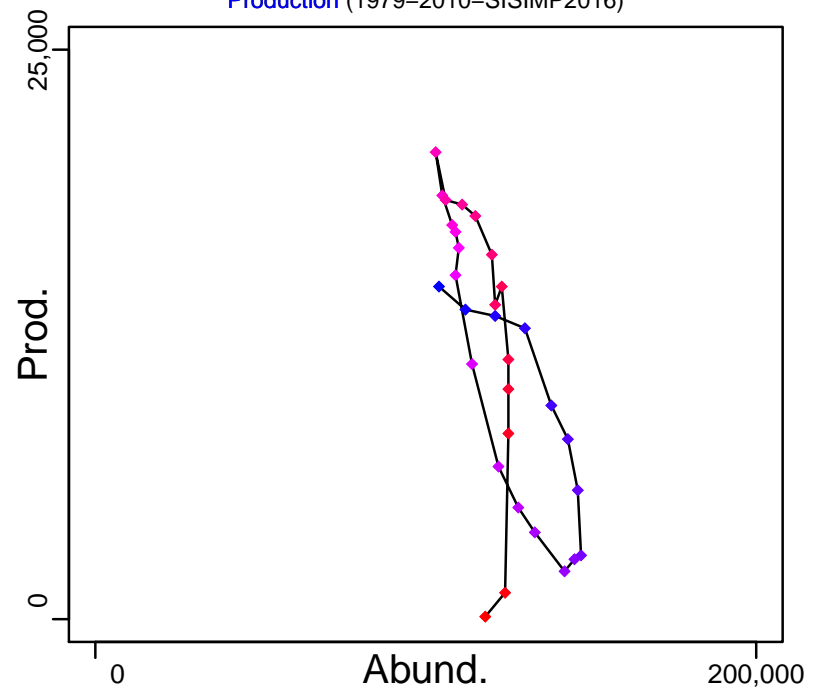
Kobe MGT_{pref} (1979–2010–SISIMP2016)



Spawner Recruit*



Production (1979–2010–SISIMP2016)

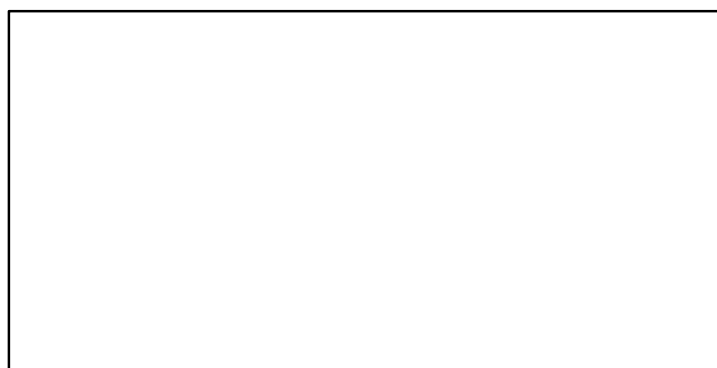
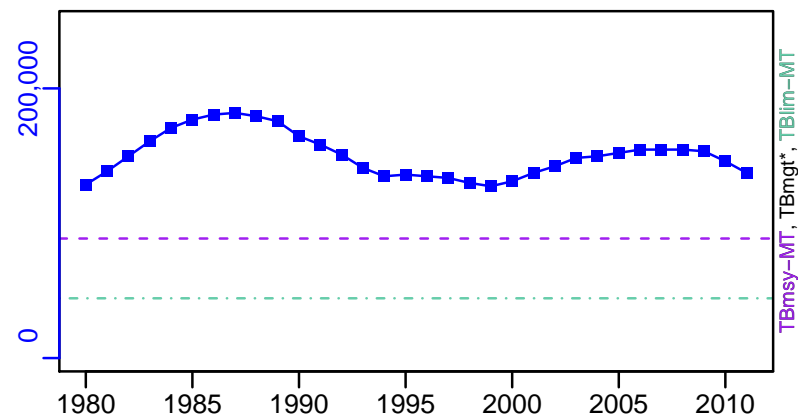


◆ Start Year ◆ End Year * No Data

Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]

TB-MT (1979–2010–SISIMP2016)

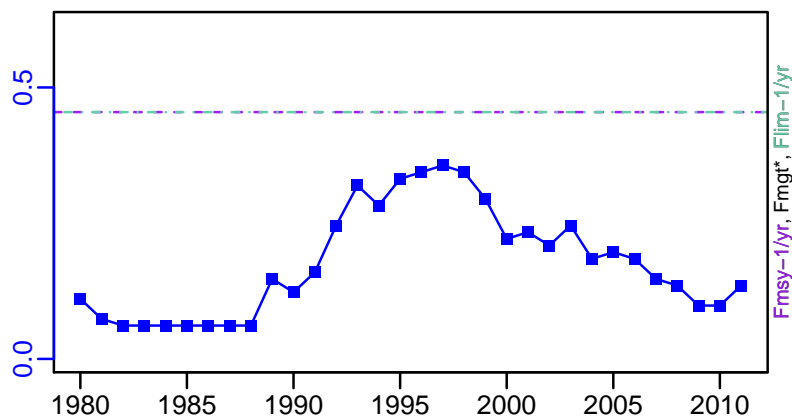
SSB*



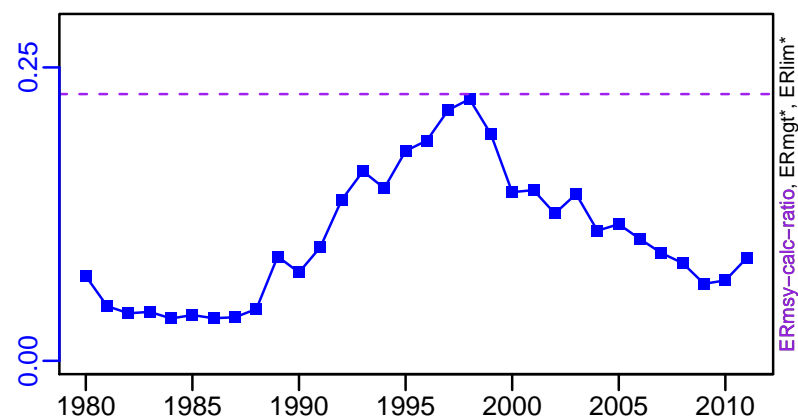
TN *



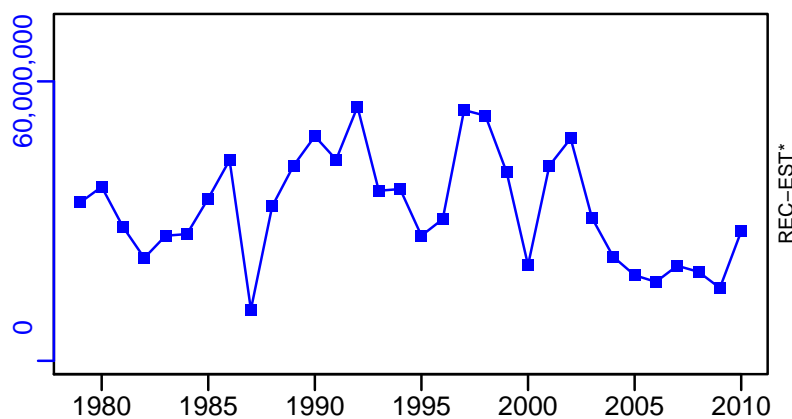
F-1/yr (1979–2010–SISIMP2016)



ER-calc-ratio (1979–2010–SISIMP2016)

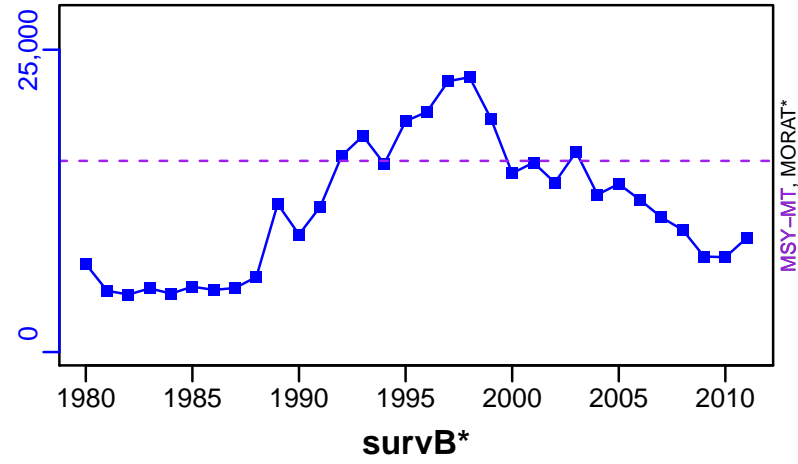


R-E00 (1979–2010–SISIMP2016)



Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]

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



TAC*, Cpair*, Cadv*



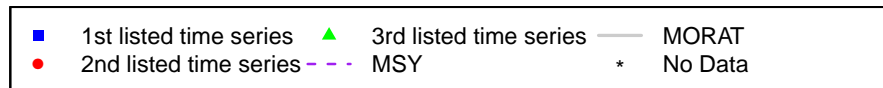
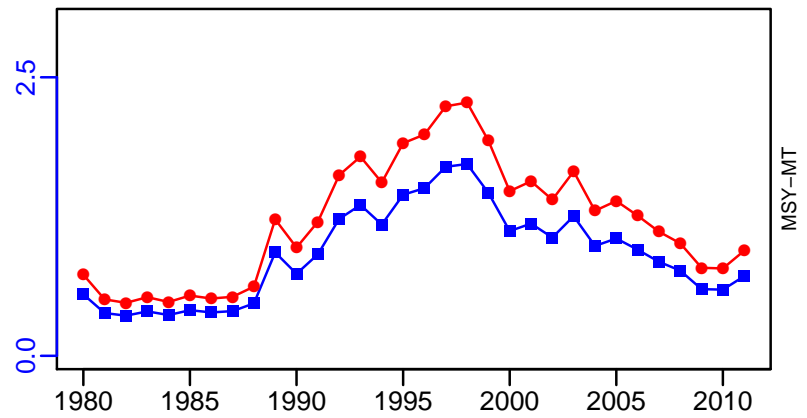
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1979-2010-SISIMP2016)



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	4.94
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	0.375	-	-
TC	TC-MT	2014	78		
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

Ocean pout Northwestern Atlantic Coast [OPOUTNWATLC]

TB*



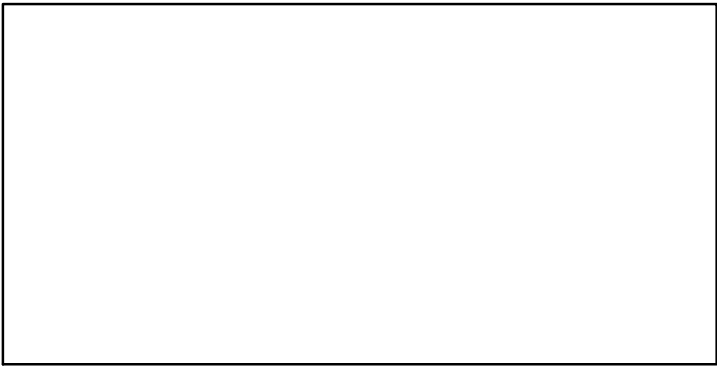
SSB*



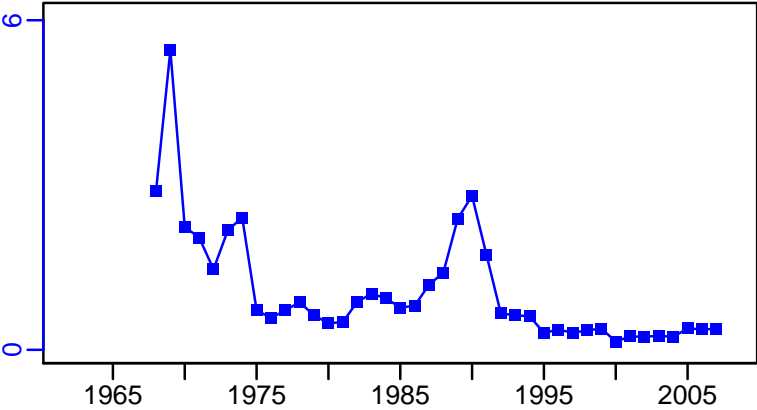
TN *



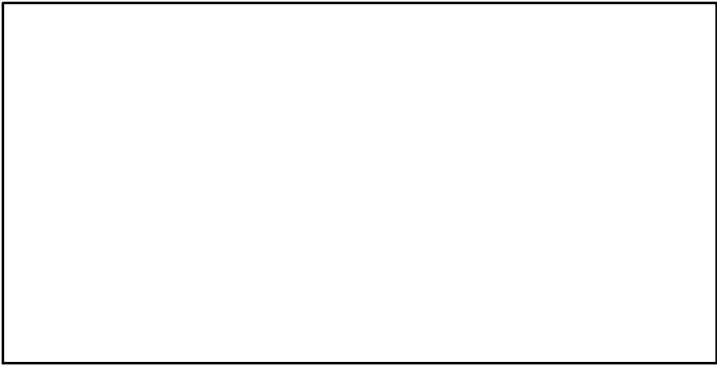
F*



ER-ratio (1962–2008–WIGLEY)



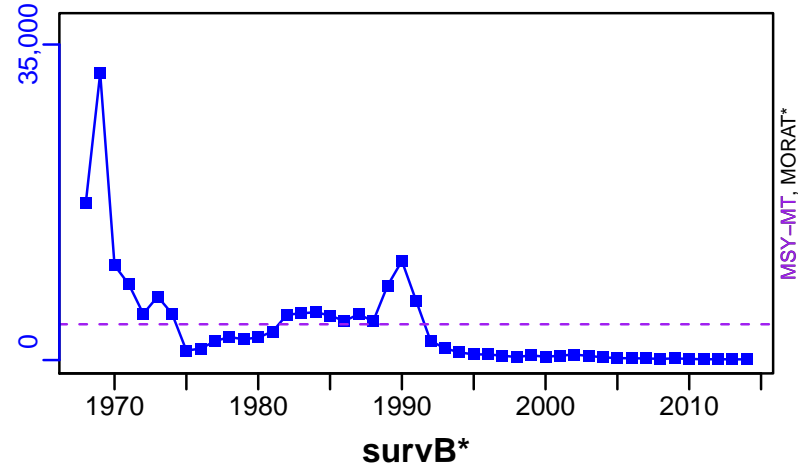
Recruits*



Ocean pout Northwestern Atlantic Coast [OPOUTNWATLC]

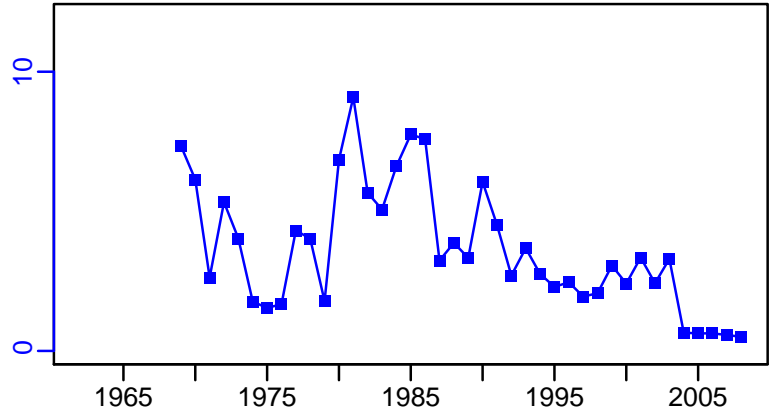
TC-MT, TL*, RecC* (1968–2014–SISIMP2016)

TAC*, Cpair*, Cadv*

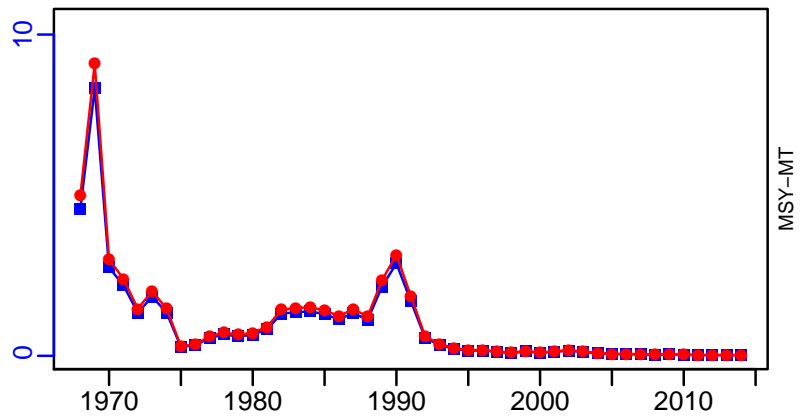


EFFORT*

CPUE-kgpertow (1962–2008–WIGLEY)



TC-MT/MSY-MT, CdivMEANC-ratio, (1968–2014–SISIMP2016)



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

Northern shrimp Gulf of Maine [PANDALGOM]

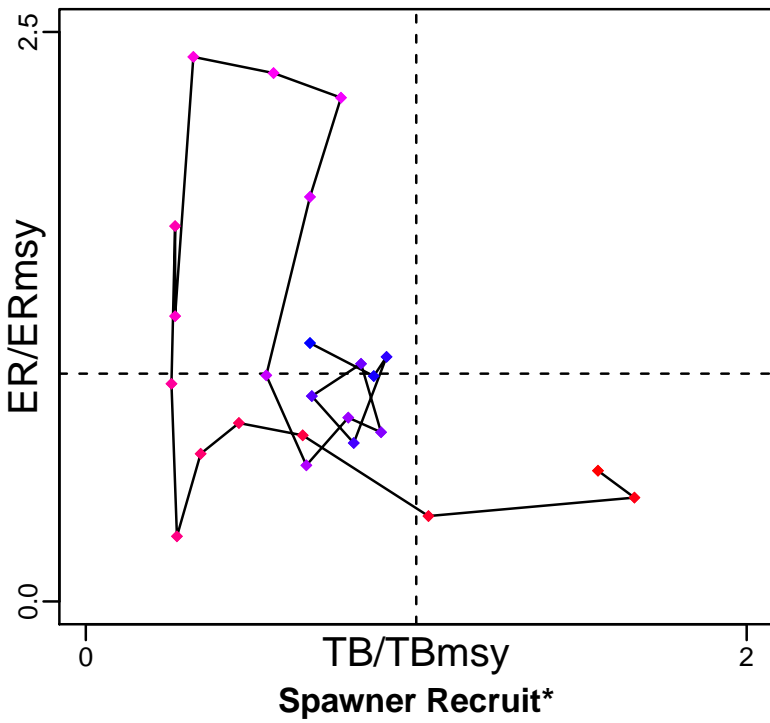
Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	ASMFC-PANDALGOM-1960-2009-IDOINE
Area	Gulf of Maine
Management Authority	National Marine Fisheries Service, US national management
Assessor	Atlantic States Marine Fisheries Commission
Asmts in RAM	2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2009	18,130
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2009	0.296
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2009	5370
M	M-1/yr	2009	0.25
TBlim	TBlim-MT	2009	1540
SSBlim	-	-	-
Flim	Flim-1/yr	2009	0.6
ERlim	-	-	-

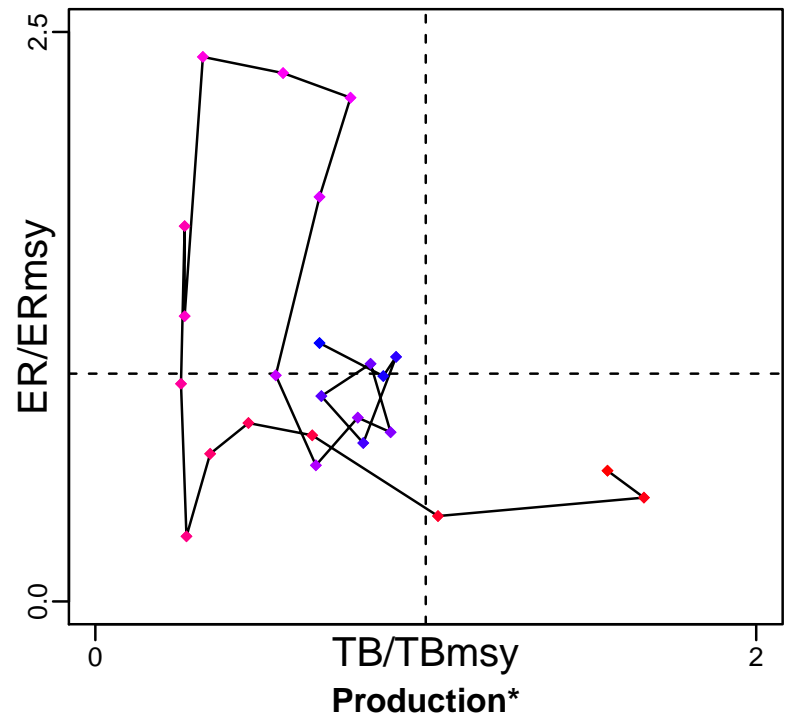
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2009	27,900	-	1.5+
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2009	0.18	Both	1.5 to 6
ER	ER-ratio	2009	0.17	-	-
TC	-	-	-		
TL	TL-MT	2009	4780		
TB/TBmsy	TB-MT/TBmsy-est-MT	2009	1.539		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-est-ratio	2009	0.574		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Northern shrimp Gulf of Maine [PANDALGOM]

Kobe MSYpref (1960–2009–IDOINE)



Kobe MGTpref (1960–2009–IDOINE)

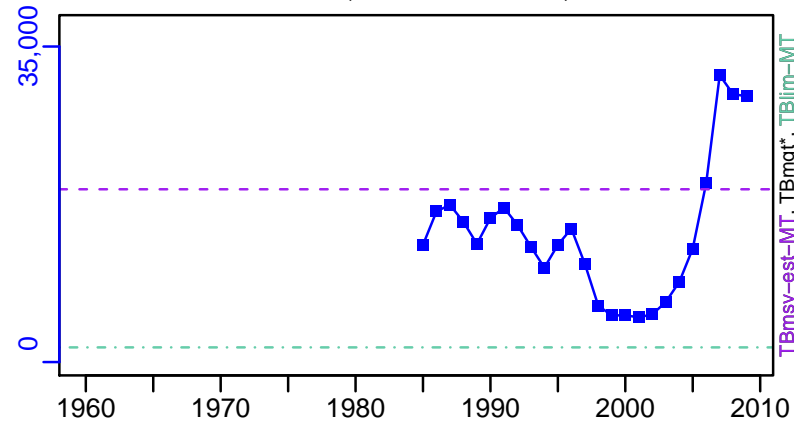


◆ Start Year ◆ End Year * No Data

Northern shrimp Gulf of Maine [PANDALGOM]

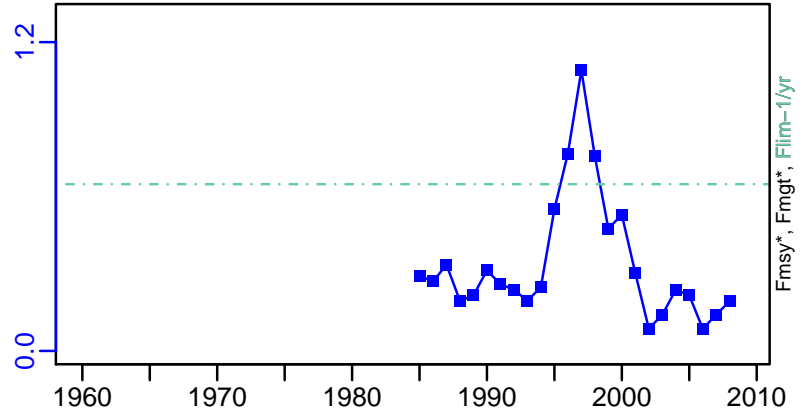
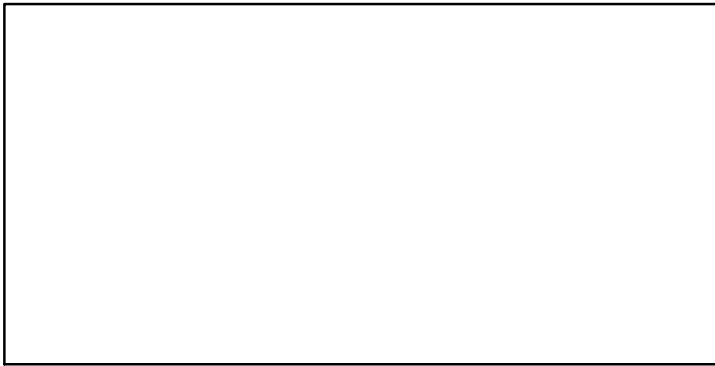
TB-MT (1960–2009–IDOINE)

SSB*



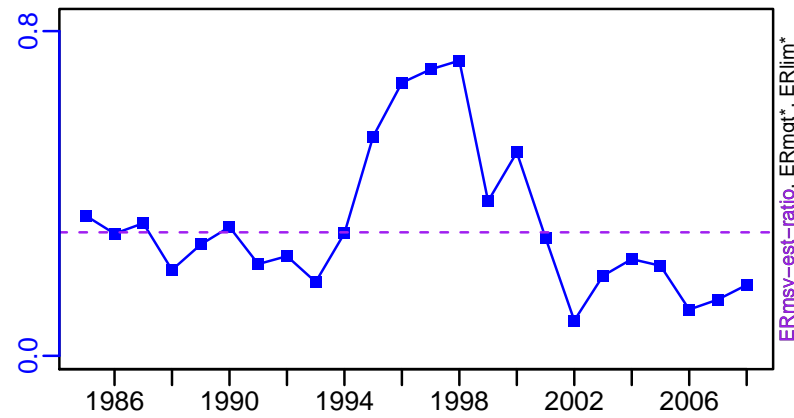
TN *

F-1/yr (1960–2009–IDOINE)



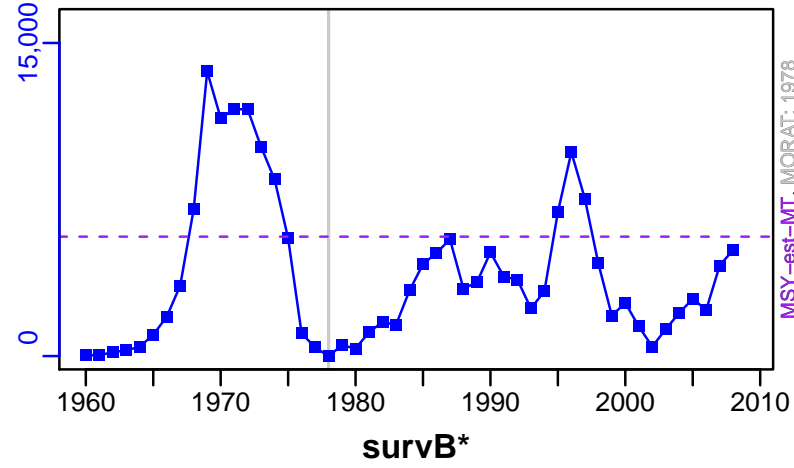
ER-ratio (1960–2009–IDOINE)

Recruits*



Northern shrimp Gulf of Maine [PANDALGOM]

TL-MT, TC*, RecC* (1960–2009–IDOINE)



TAC*, Cpair*, Cadv*



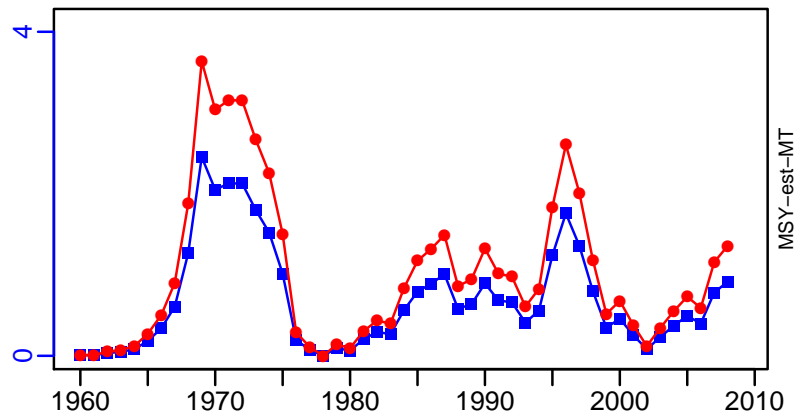
CPUE*



EFFORT*



TL-MT/MSY-est-MT, CdivMEANC-ratio, (1960–2009–IDOINE)



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

Pollock Gulf of Maine / Georges Bank [POLL5YZ]

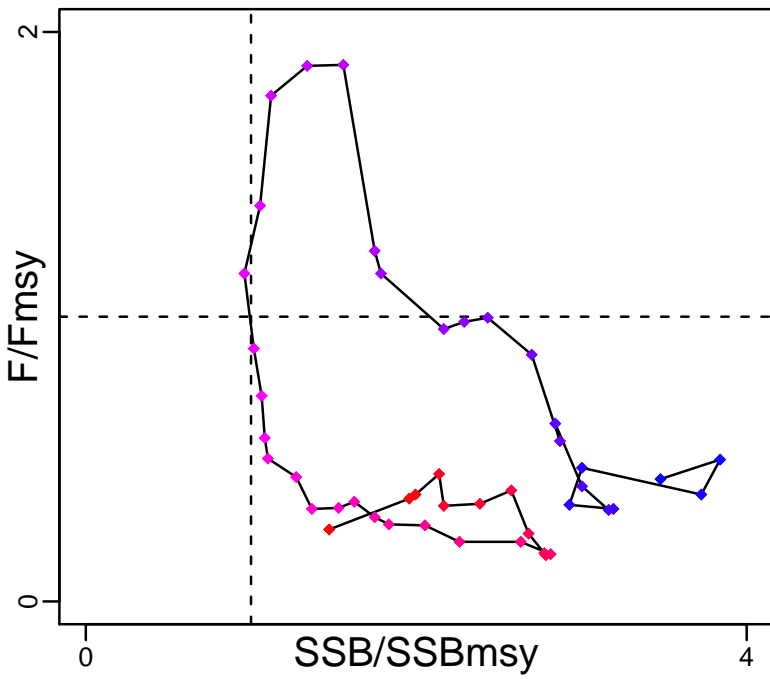
Metadata	
Scientific Name	Pollachius virens
Current Assess ID	NEFSC-POLL5YZ-1970-2014-SISIMP2016
Area	Gulf of Maine / Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2009, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	105,226
Fmsy	Fmsy-1/yr	2014	0.277
ERmsy	ERmsy-conv-ratio	2014	0.118
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	0.277
ERlim	-	-	-

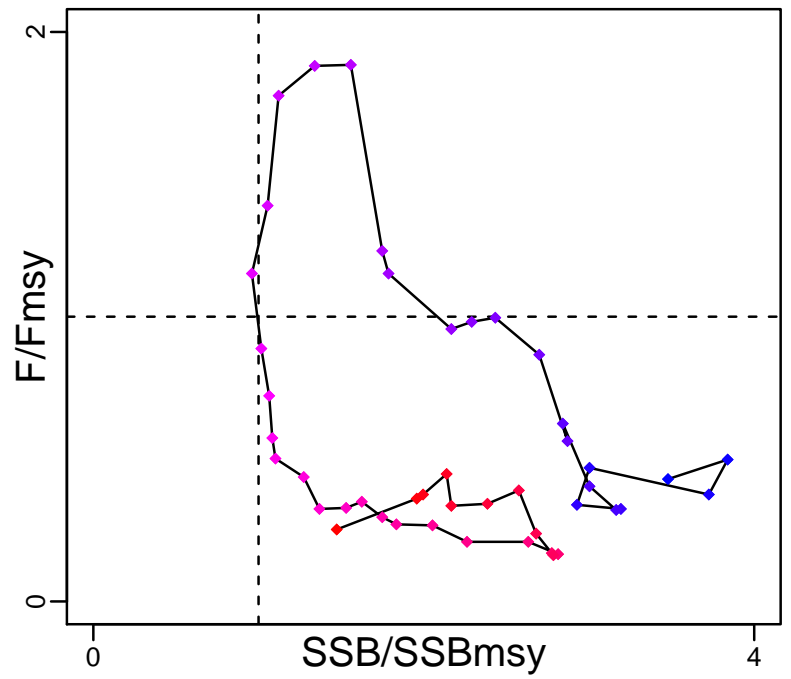
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2009	210,000	-	-
SSB	SSB-MT	2014	155,000	Both	-
TN	-	-	-	-	-
R	R-E00	2014	6×10^7	-	1
F	F-1/yr	2014	0.07	-	-
ER	ER-calc-ratio	2014	0.025	-	-
TC	TC-MT	2014	6070		
TL	TL-MT	2009	7950		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	1.473		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.253		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.209		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Pollock Gulf of Maine / Georges Bank [POLL5YZ]

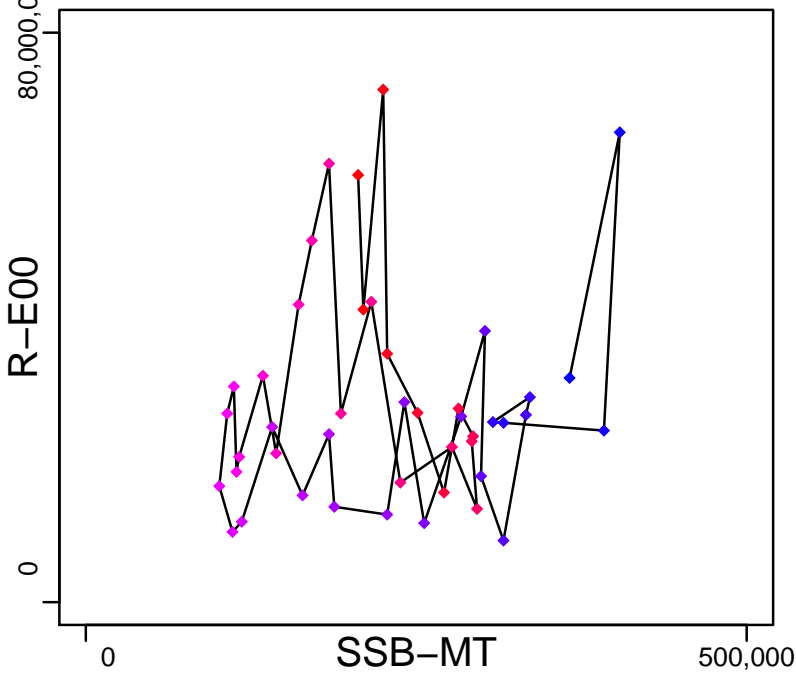
Kobe MSYpref (1970–2014–SISIMP2016)



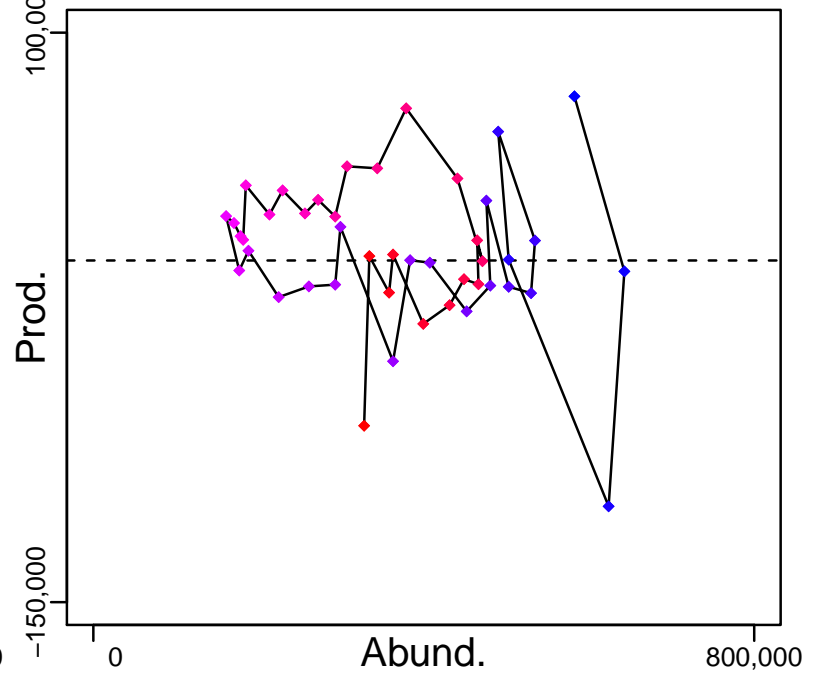
Kobe MGTpref (1970–2014–SISIMP2016)



Spawner Recruit (1970–2014–SISIMP2016)

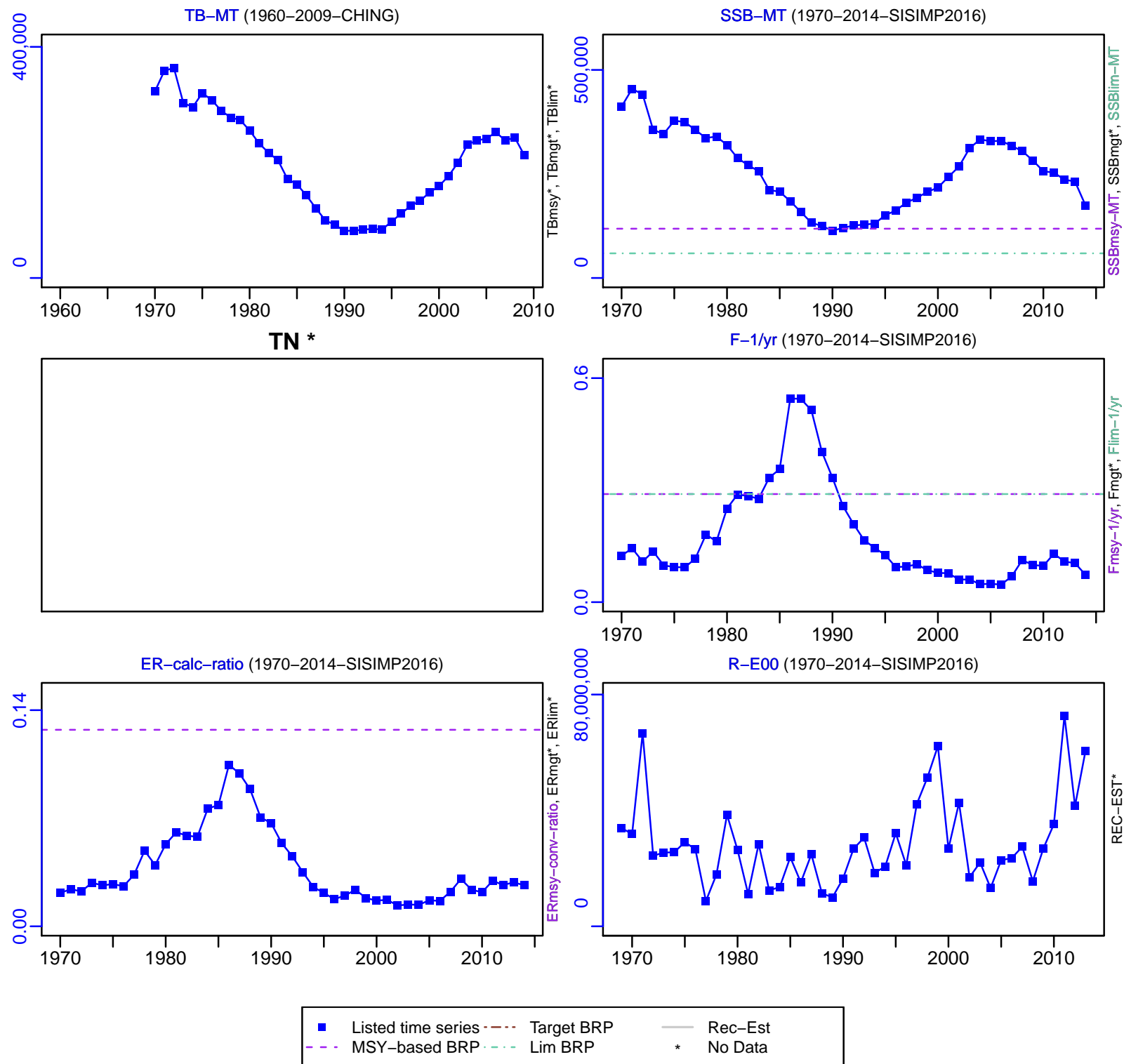


Production (1970–2014–SISIMP2016)



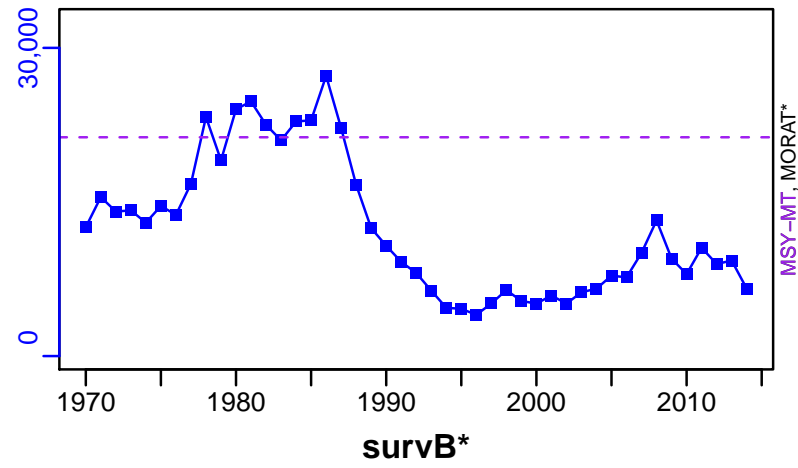
◆ Start Year ◆ End Year * No Data

Pollock Gulf of Maine / Georges Bank [POLL5YZ]



Pollock Gulf of Maine / Georges Bank [POLL5YZ]

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



TAC*, Cpair*, Cadv*



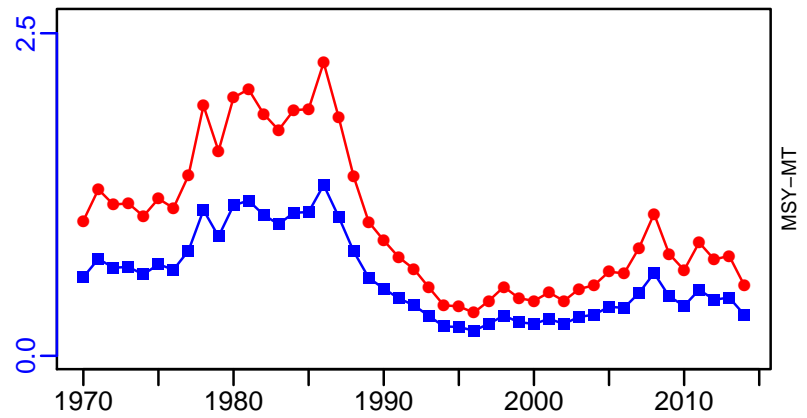
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1970–2014–SISIMP2016)



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

Ocean quahog Atlantic Coast [QUAHATLC]

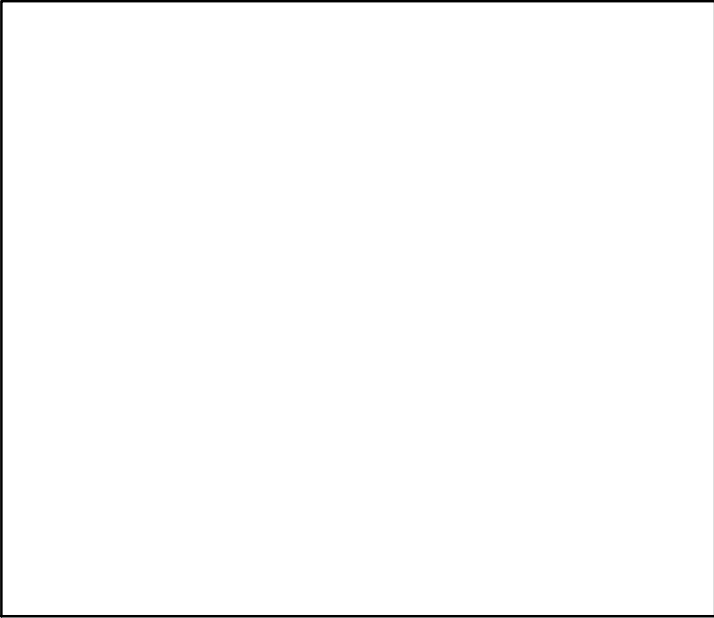
Metadata	
Scientific Name	Arctica islandica
Current Assess ID	NEFSC-QUAHATLC-1978-2011-SISIMP2016
Area	Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2008, 2011

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	0.022
ERlim	-	-	-

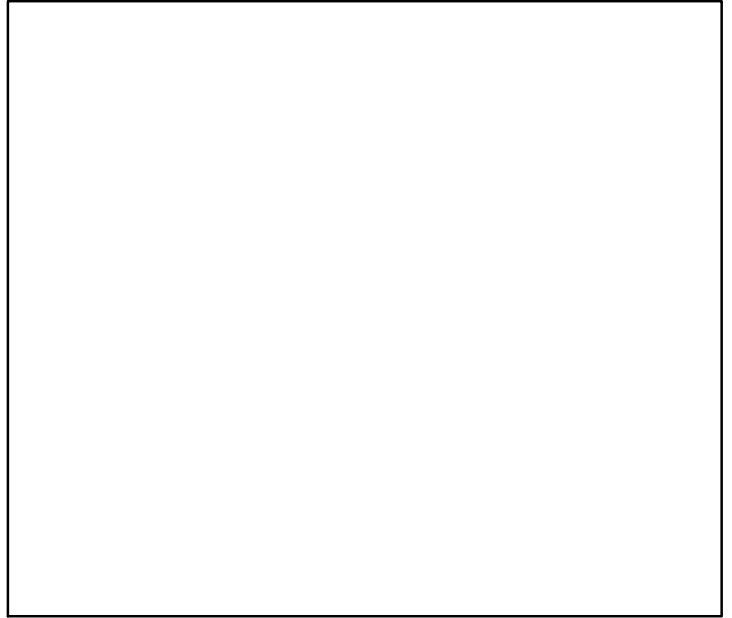
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	2,960,000	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2011	0.005	-	-
ER	ER-calc-ratio	2011	0.005	-	-
TC	TC-MT	2011	14,100		
TL	TL-MT	2008	15,500		
TB/TBmsy	TB-MT/TBmsy-MT	2011	1.711		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Ocean quahog Atlantic Coast [QUAHATLC]

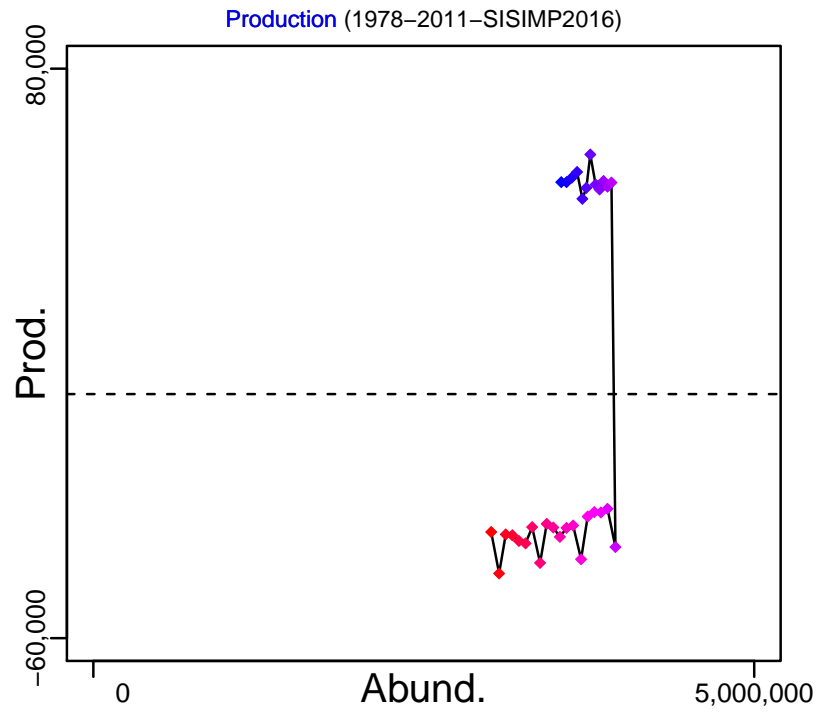
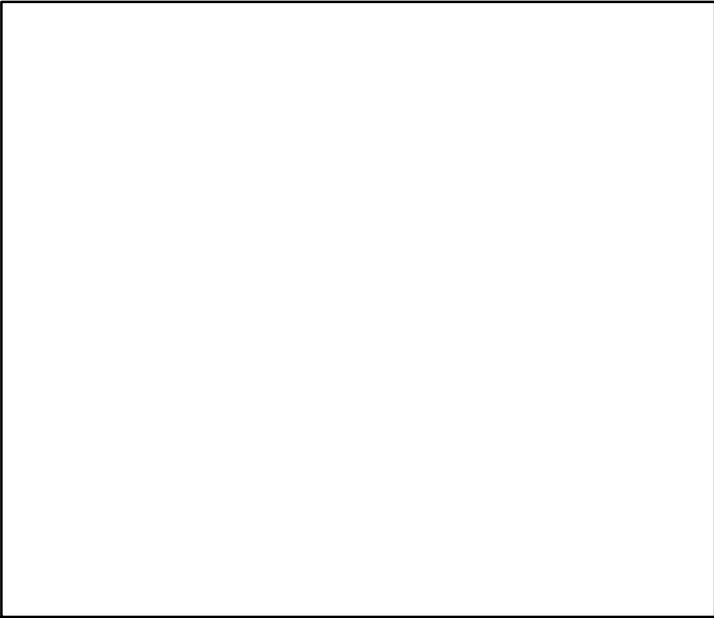
Kobe MSY*



Kobe MGT*



Spawner Recruit*

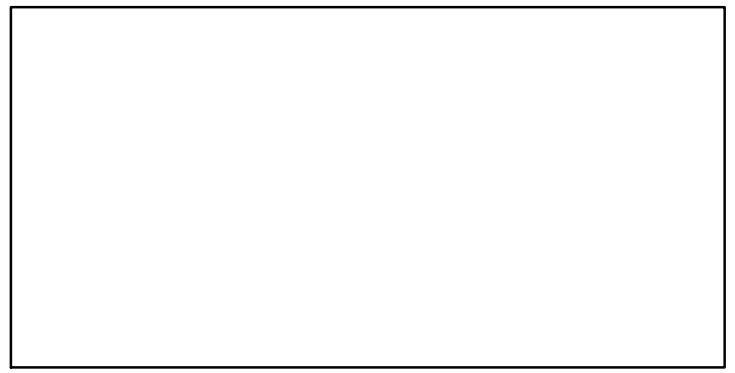
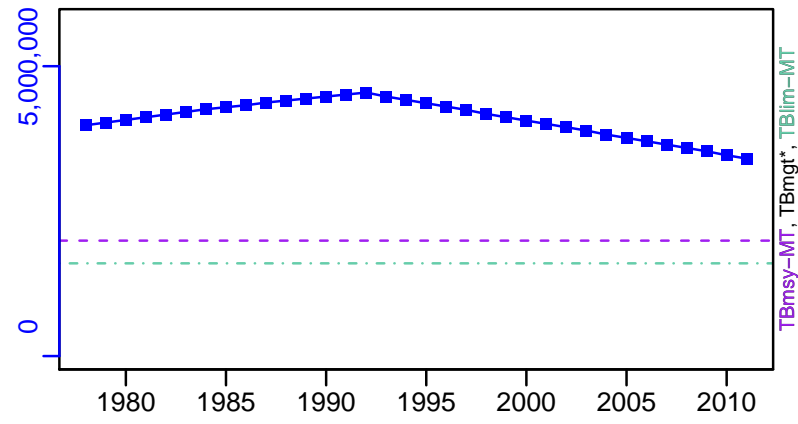


◆ Start Year ◆ End Year * No Data

Ocean quahog Atlantic Coast [QUAHATLC]

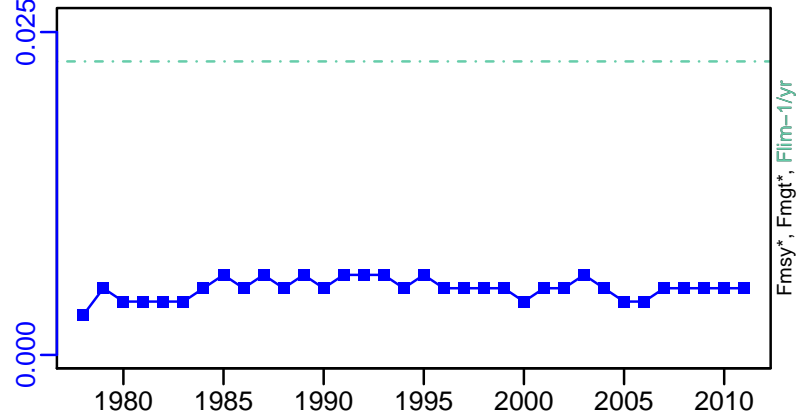
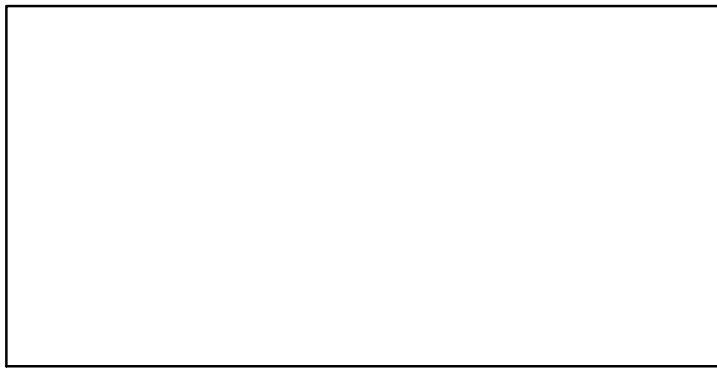
TB-MT (1978–2011–SISIMP2016)

SSB*



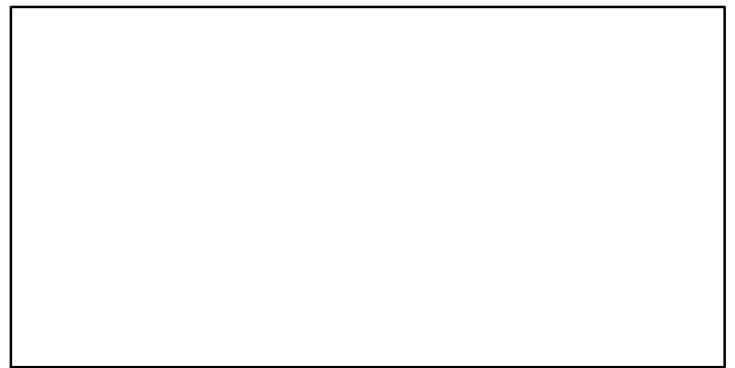
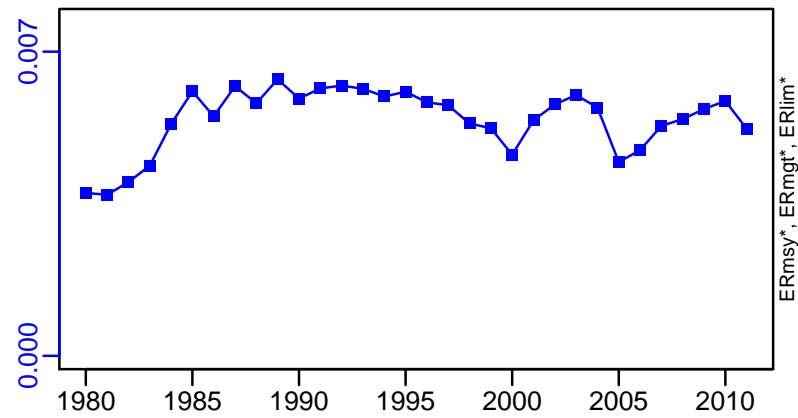
TN *

F-1/yr (1978–2011–SISIMP2016)



ER-calc-ratio (1978–2011–SISIMP2016)

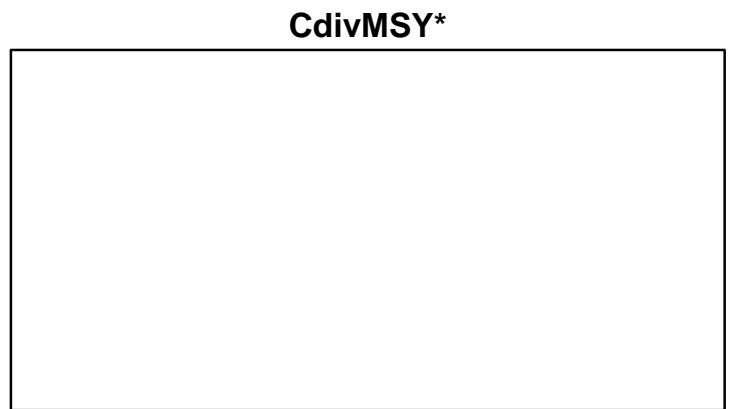
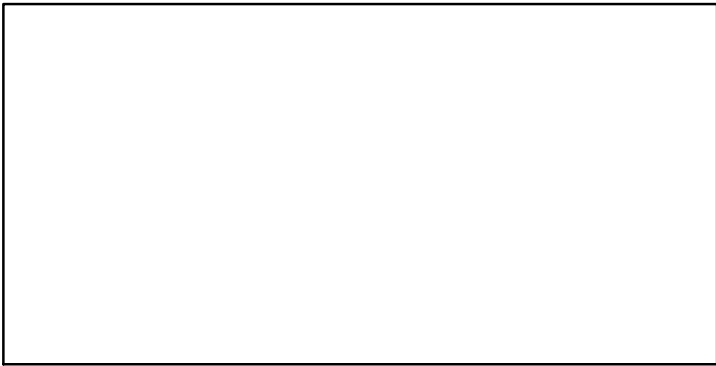
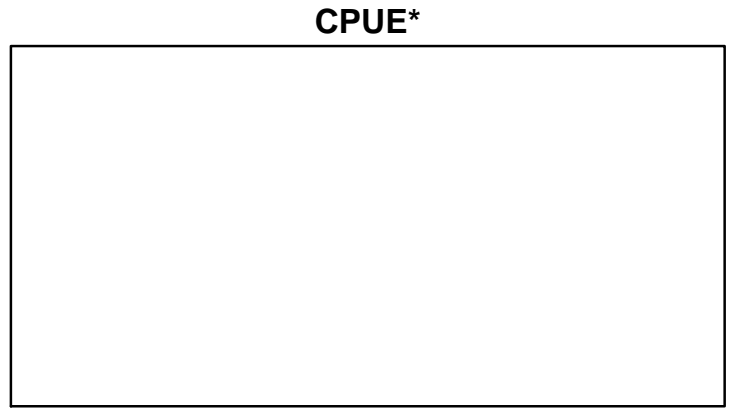
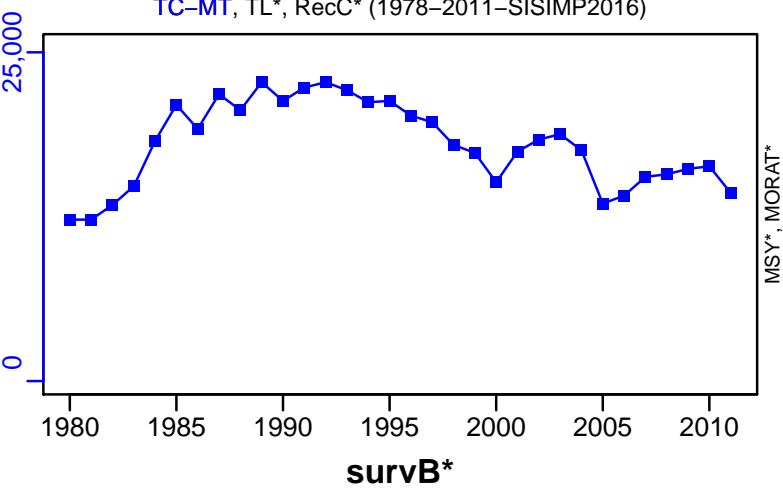
Recruits*



Ocean quahog Atlantic Coast [QUAHATLC]

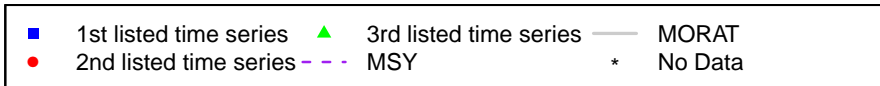
TC-MT, TL*, RecC* (1978-2011-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*

CdivMSY*



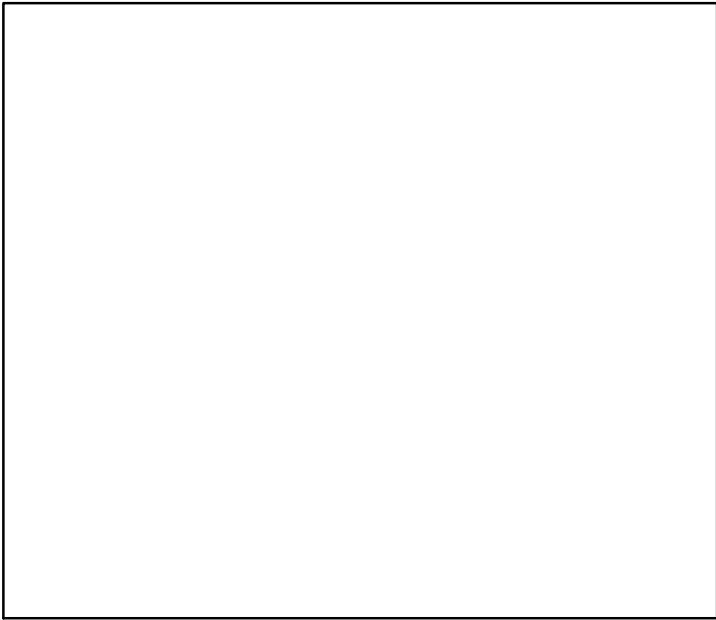
Red deepsea crab Northwestern Atlantic [RDEEPCRABNWATL]

Metadata	
Scientific Name	Chaceon quinquedens
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	-	-	-		

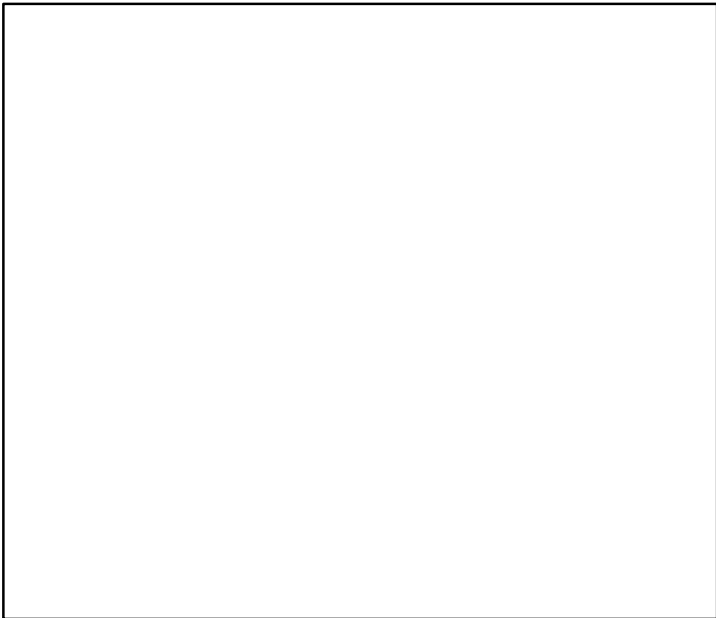
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Red deepsea crab Northwestern Atlantic [RDEEPCRABNWATL]

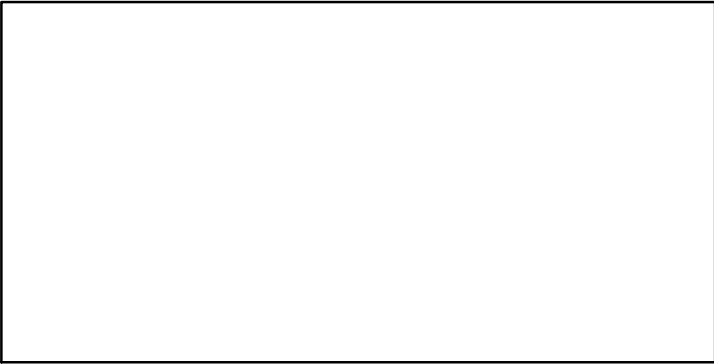
TB*



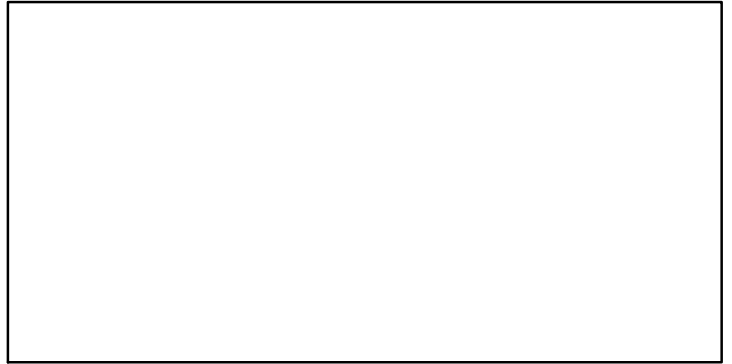
SSB*



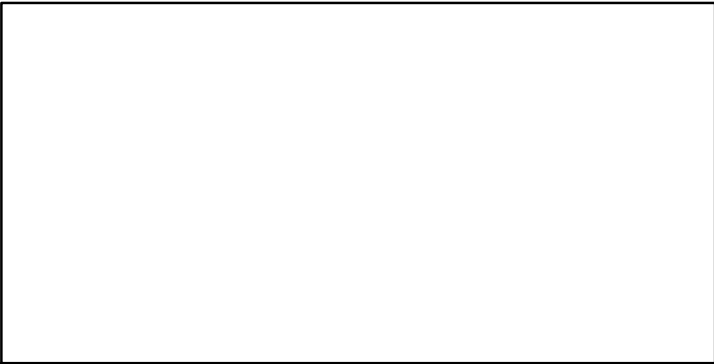
TN *



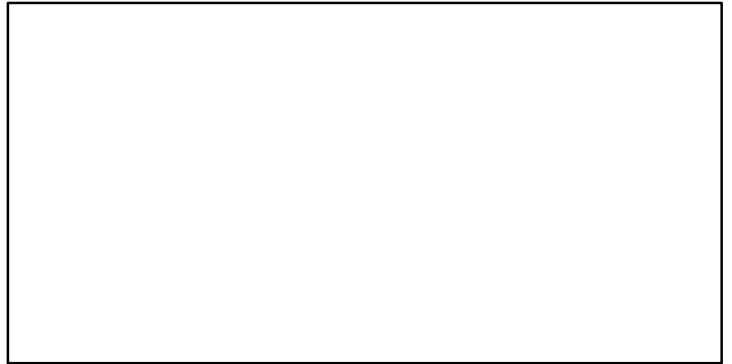
F*



ER*



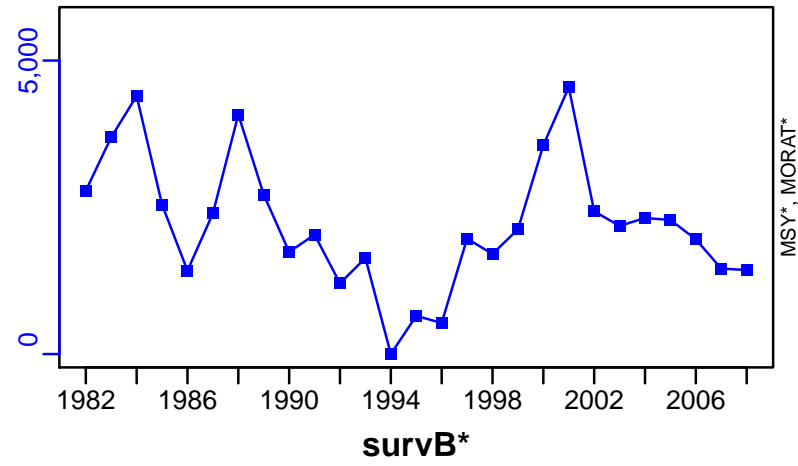
Recruits*



Red deepsea crab Northwestern Atlantic [RDEEPCRABNWATL]

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

TAC*, Cpair*, Cadv*



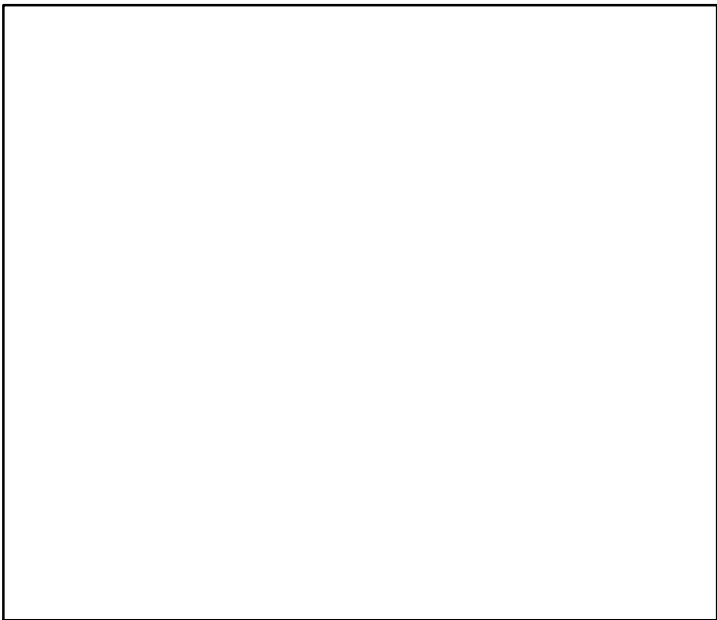
Red hake Gulf of Maine / Northern Georges Bank [RHAKEGOMNGB]

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

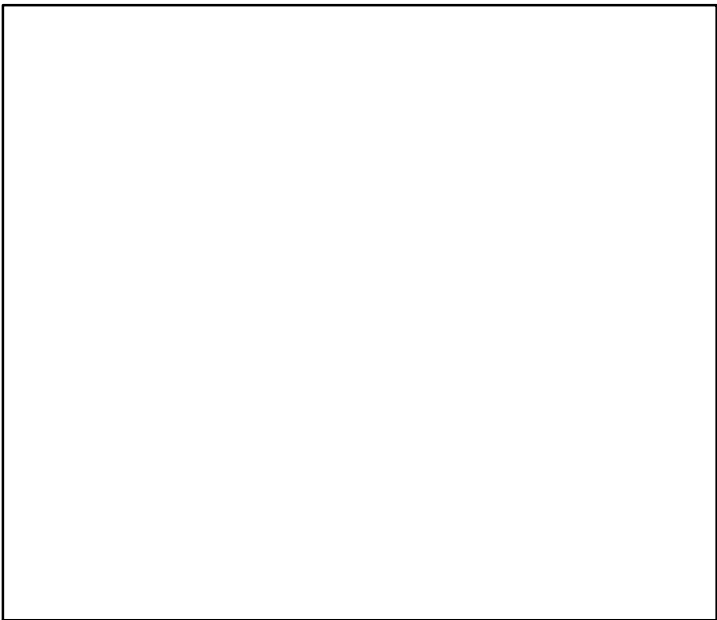
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

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	-	-	-		

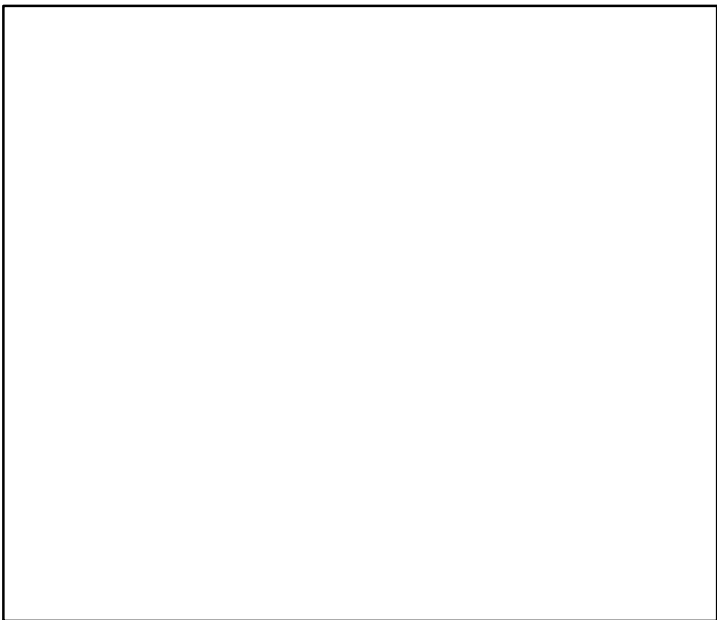
Kobe MSY*



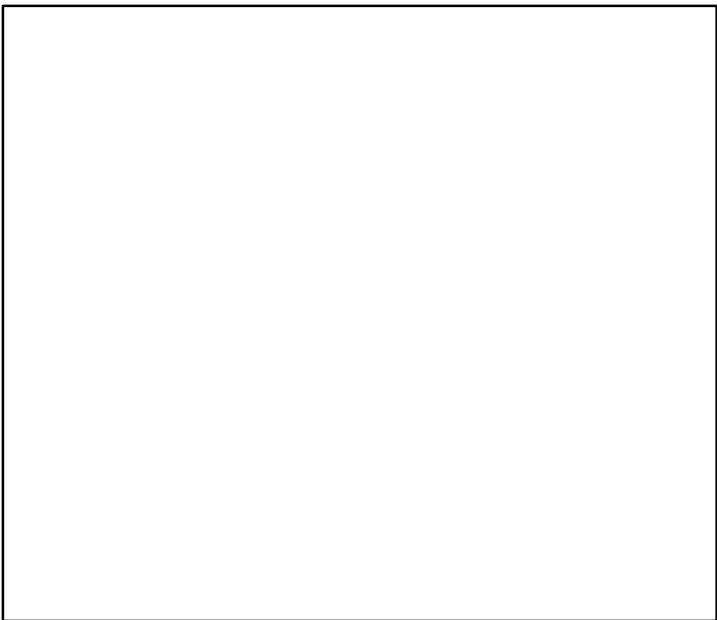
Kobe MGT*



Spawner Recruit*



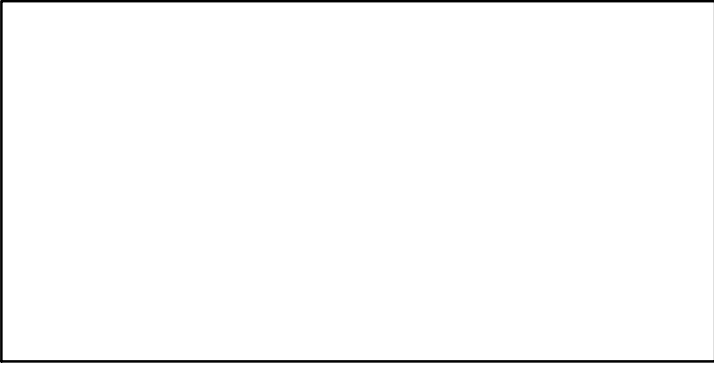
Production*



◆ Start Year ◆ End Year * No Data

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

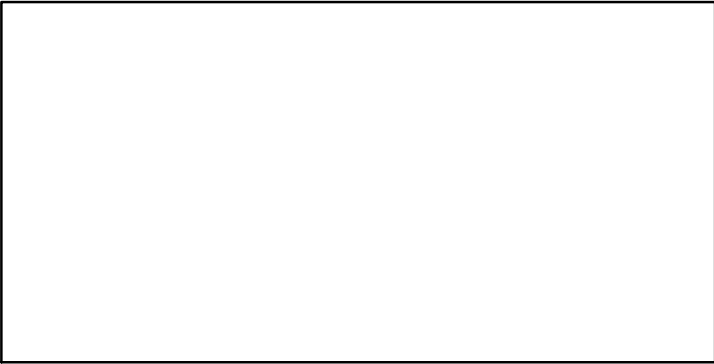
TB*



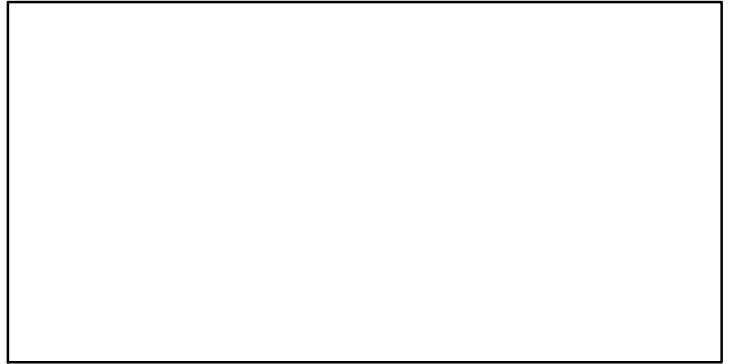
SSB*



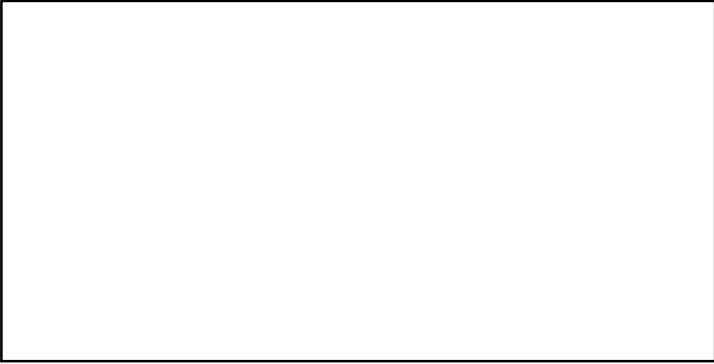
TN *



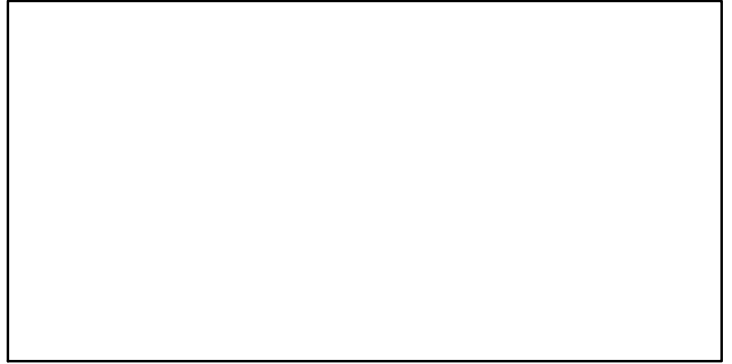
F*



ER*

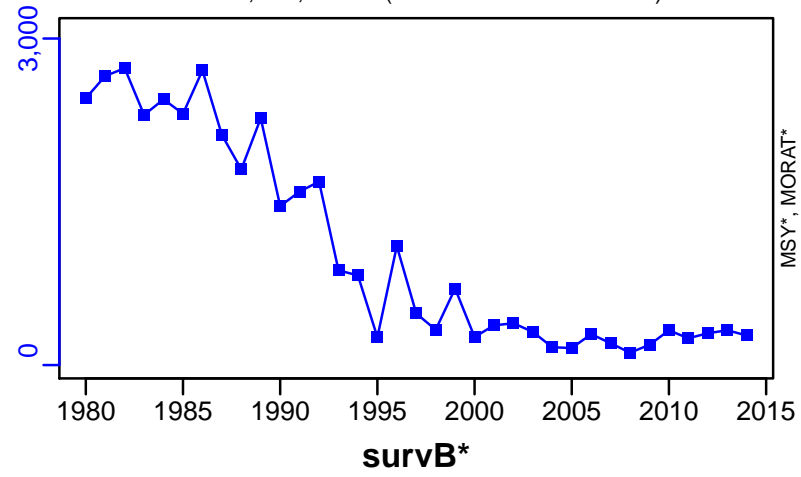


Recruits*



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

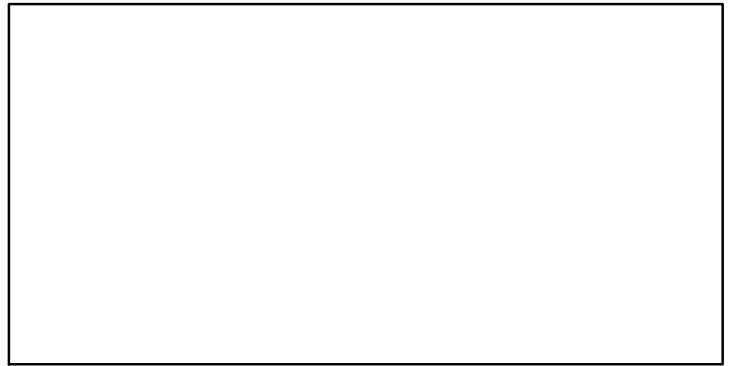
TC-MT, TL*, RecC* (1980-2014-SISIMP2016)



TAC*, Cpair*, Cadv*



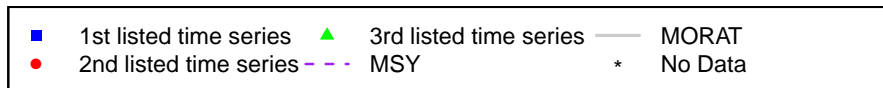
CPUE*



EFFORT*



CdivMSY*



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*



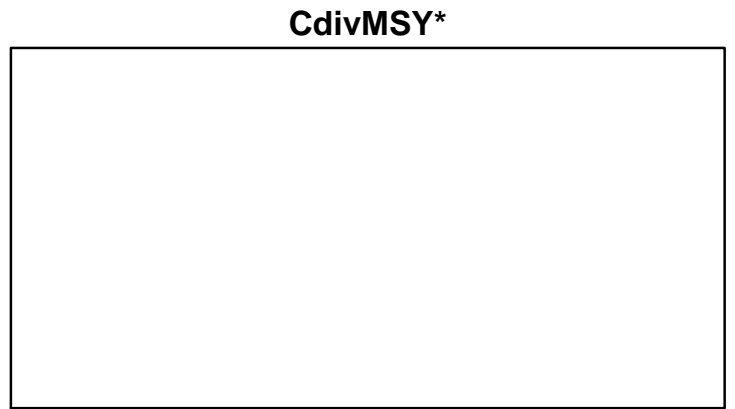
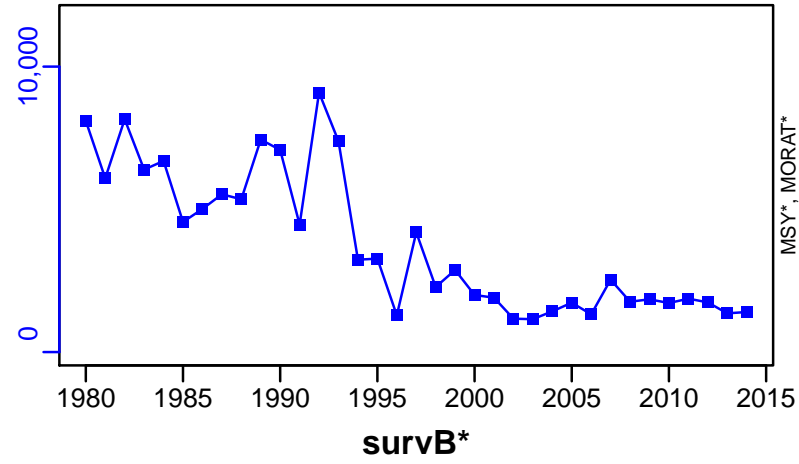
Recruits*



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

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

TAC*, Cpair*, Cadv*



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	TC-MT	2005	22		
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]

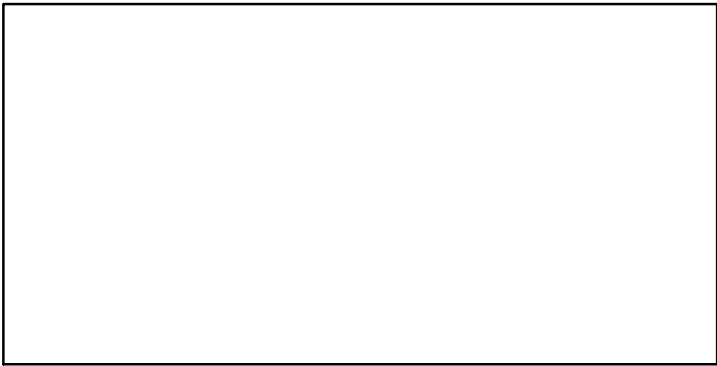
TB*



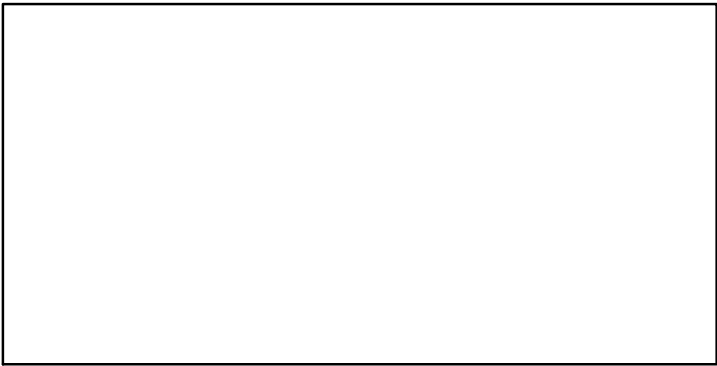
SSB*



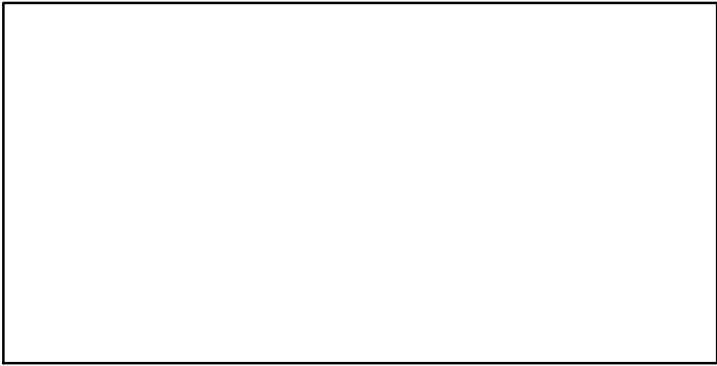
TN *



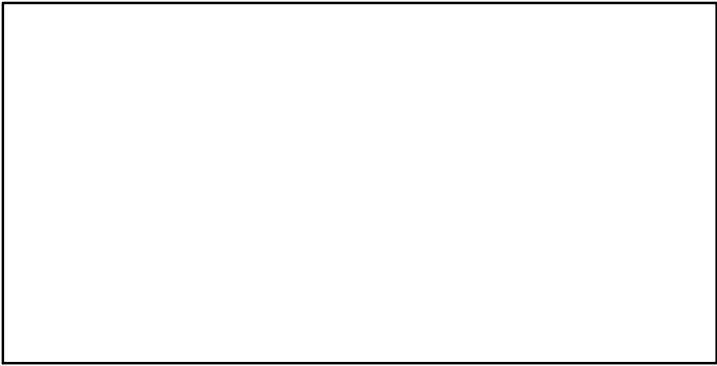
F*



ER*



Recruits*

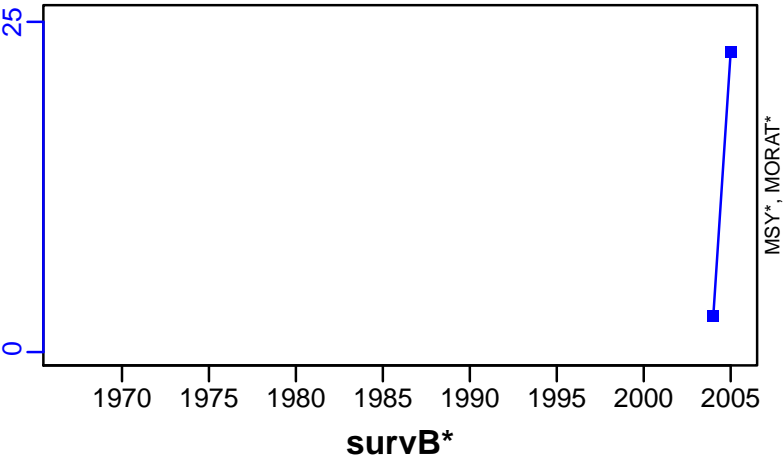


■ Listed time series	- - - Target BRP	— Rec-Est
- - - MSY-based BRP	· · · Lim BRP	* No Data

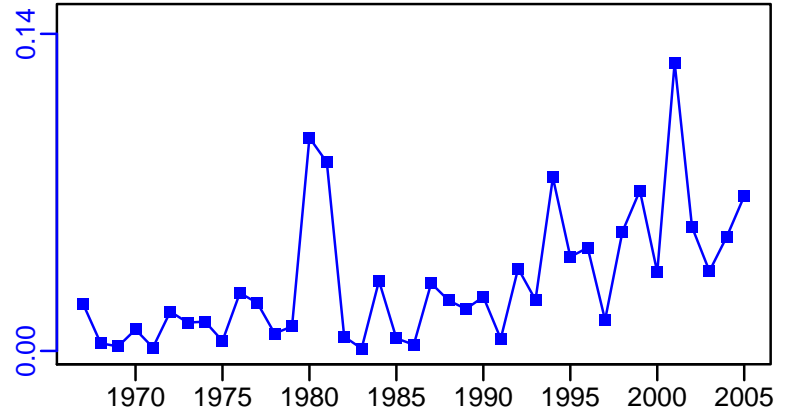
Rosette skate Mid-Atlantic Coast [RSKATMATLC]

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

TAC*, Cpair*, Cadv*



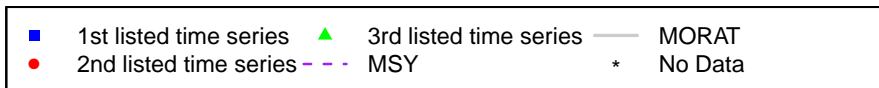
CPUE-kgpertow (1967-2005-SOSEBEE)



EFFORT*



CdivMSY*



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

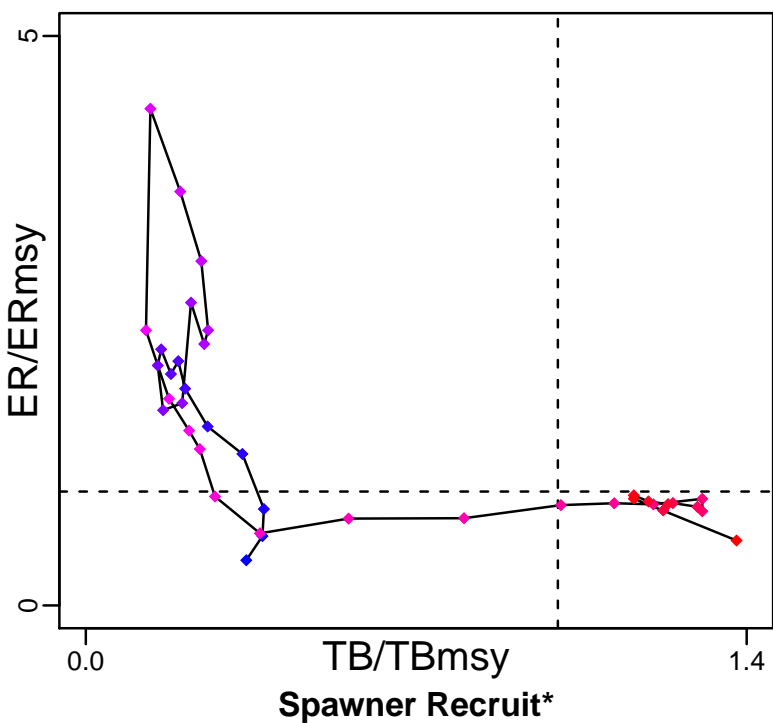
Metadata	
Scientific Name	Placopecten magellanicus
Current Assess ID	NEFSC-SCALL5ZMAB-1964-2013-HIVELY
Area	Georges Bank and Mid-Atlantic Bight
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2013

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	0.247
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2013	23,798
M	M-1/yr	2013	0.12
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

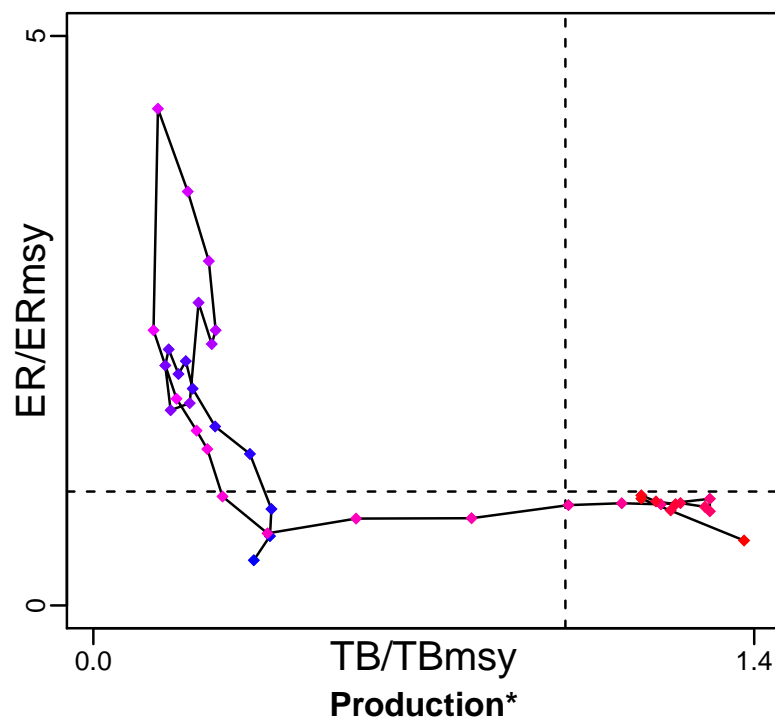
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2013	133,000	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2013	0.32	-	-
ER	ER-calc-ratio	2013	0.141	-	-
TC	-	-	-		
TL	TL-MT	2013	18,700		
TB/TBmsy	TB-MT/TBmsy-MT	2013	1.379		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2013	0.667		
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)

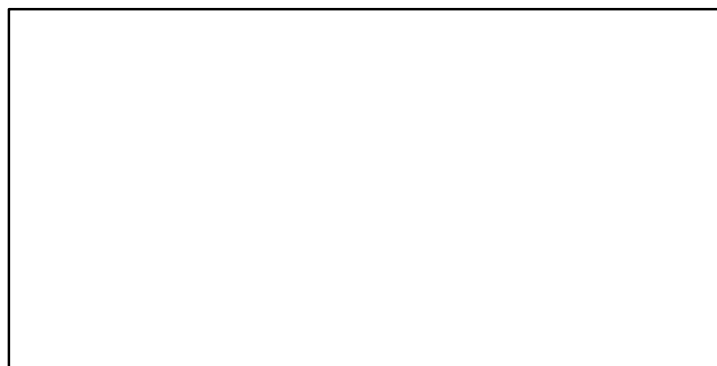
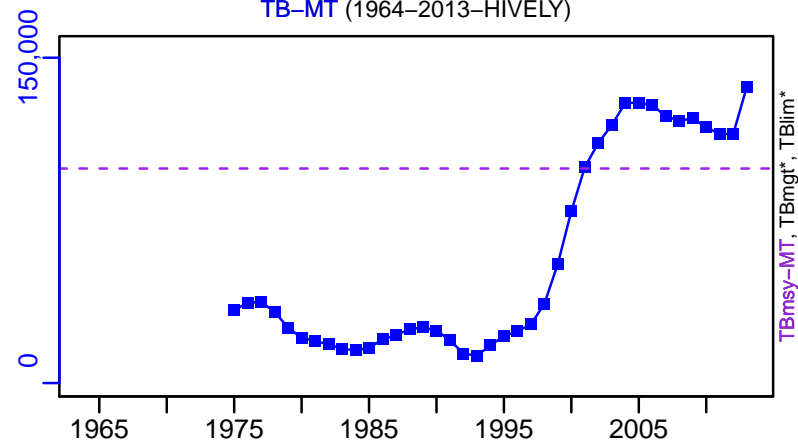


◆ Start Year ◆ End Year * No Data

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

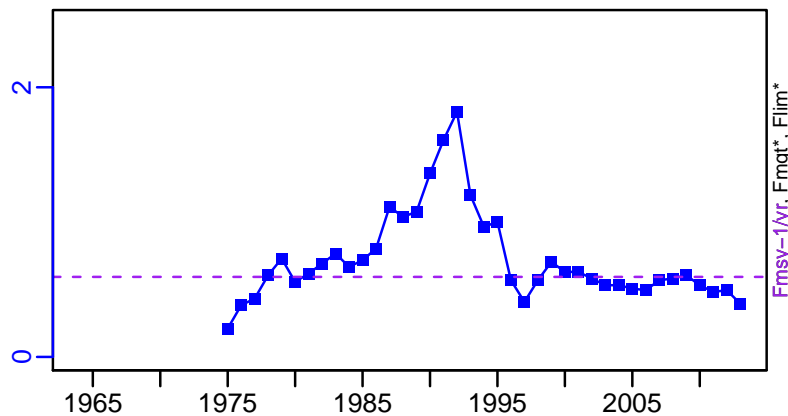
TB-MT (1964-2013-HIVELY)

SSB*



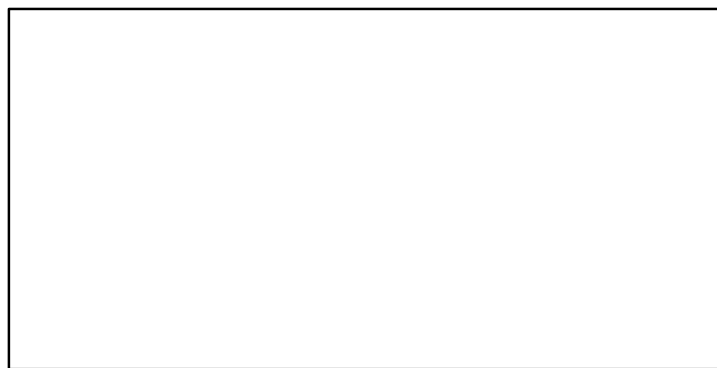
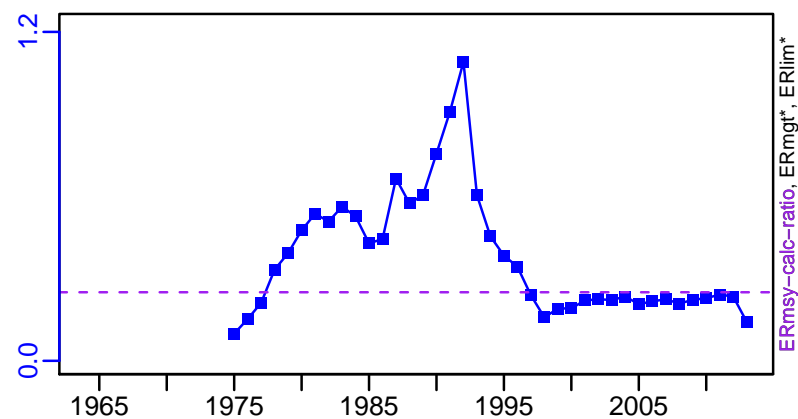
TN *

F-1/yr (1964-2013-HIVELY)



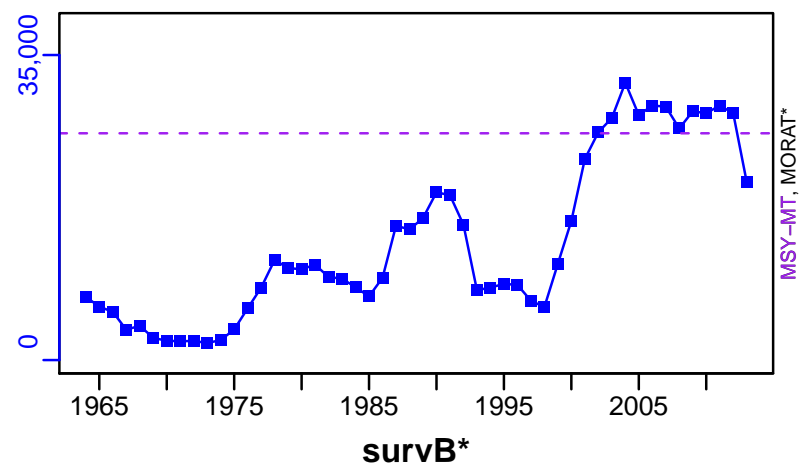
ER-calc-ratio (1964-2013-HIVELY)

Recruits*



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

TL-MT, TC*, RecC* (1964–2013–HIVELY)



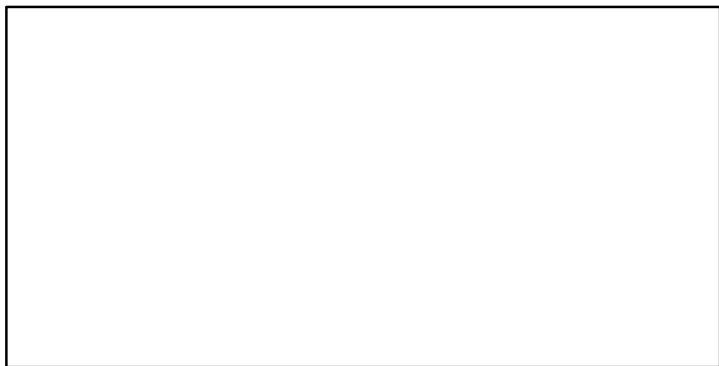
TAC*, Cpair*, Cadv*



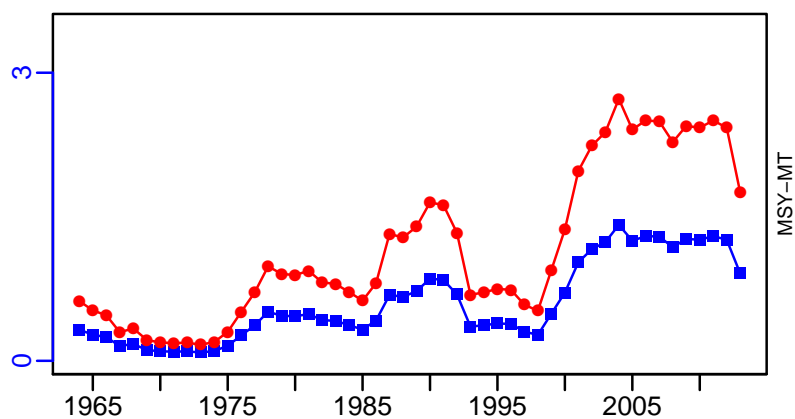
CPUE*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1964–2013–HIVELY)



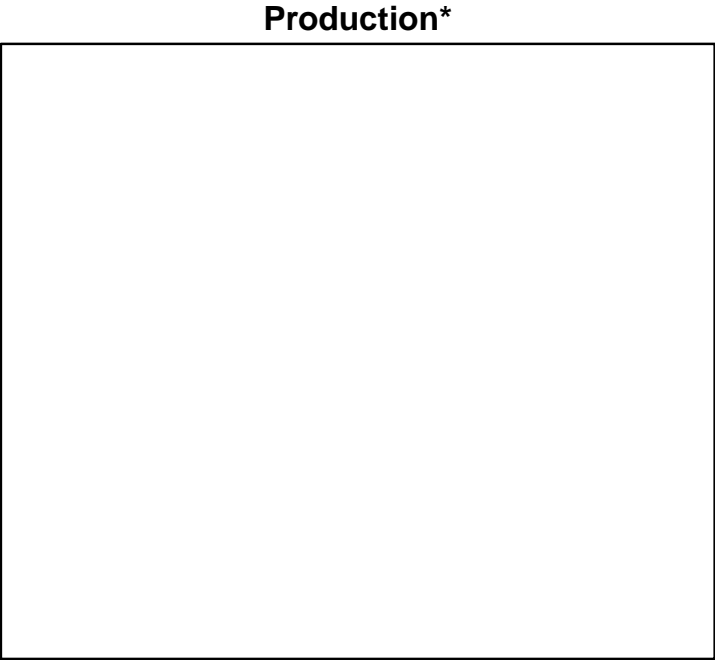
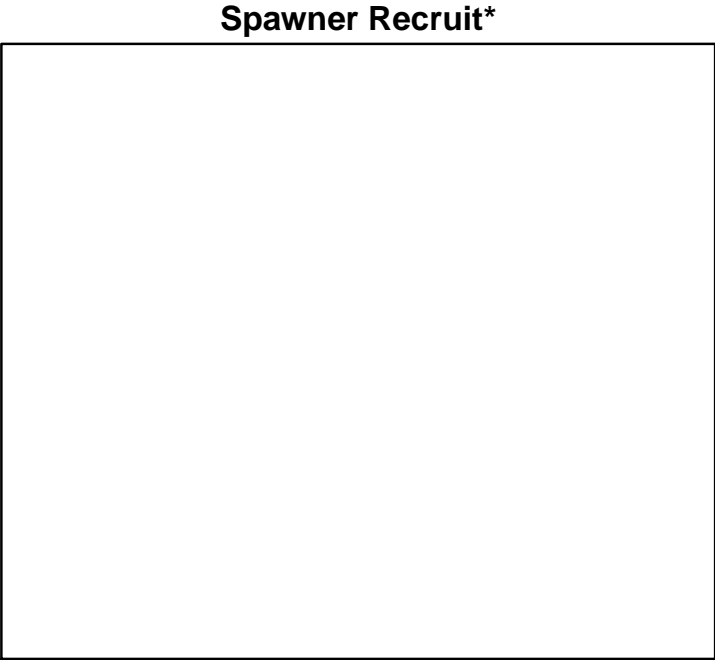
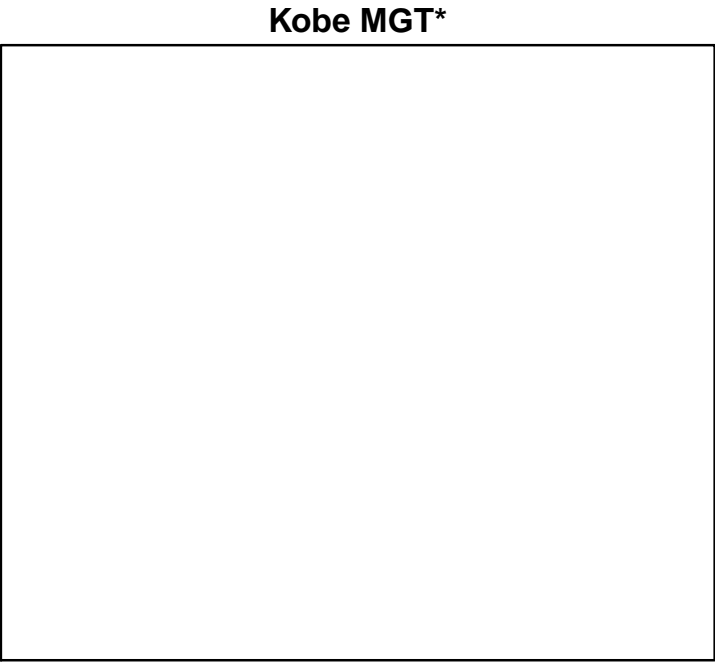
■ 1st listed time series ▲ 3rd listed time series — MORAT
● 2nd listed time series - - - MSY * No Data

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*



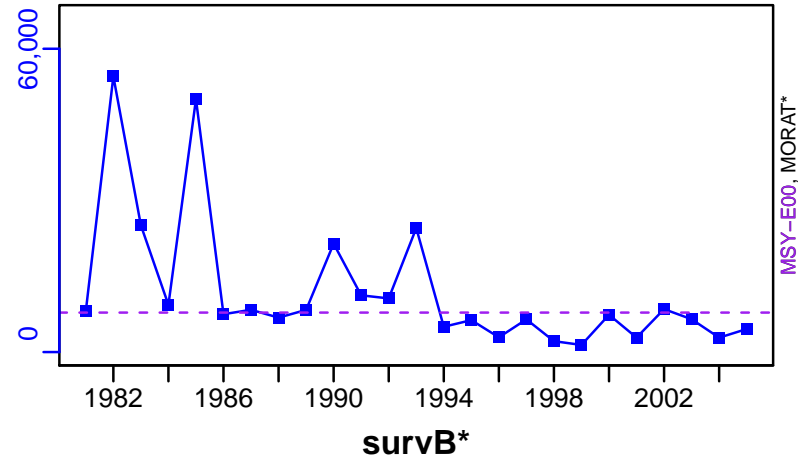
Recruits*



Scalloped hammerhead Atlantic [SCHHEADATL]

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

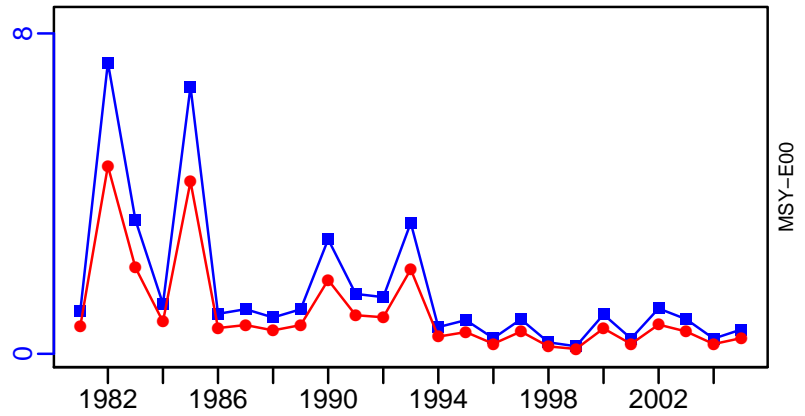
TAC*, Cpair*, Cadv*



EFFORT*



TL-E00/MSY-E00, CdivMEANC-ratio, (1981-2005-SISIMP2016)



Scup Northwestern Atlantic Coast [SCUPNWATLC]

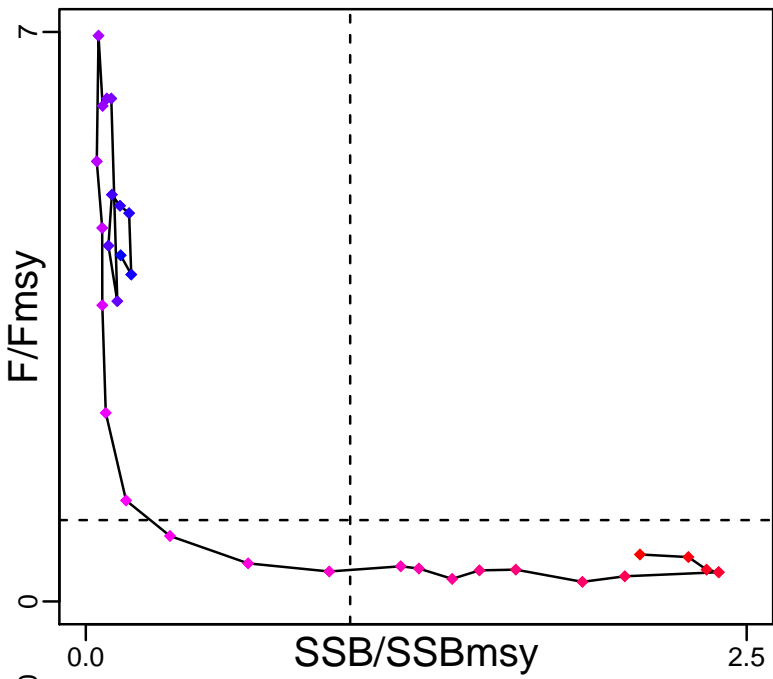
Metadata	
Scientific Name	Stenotomus chrysops
Current Assess ID	NEFSC-SCUPNWATLC-1984-2014-SISIMP2016
Area	Northwestern Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2007, 2014

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	0.053
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	-	-	-

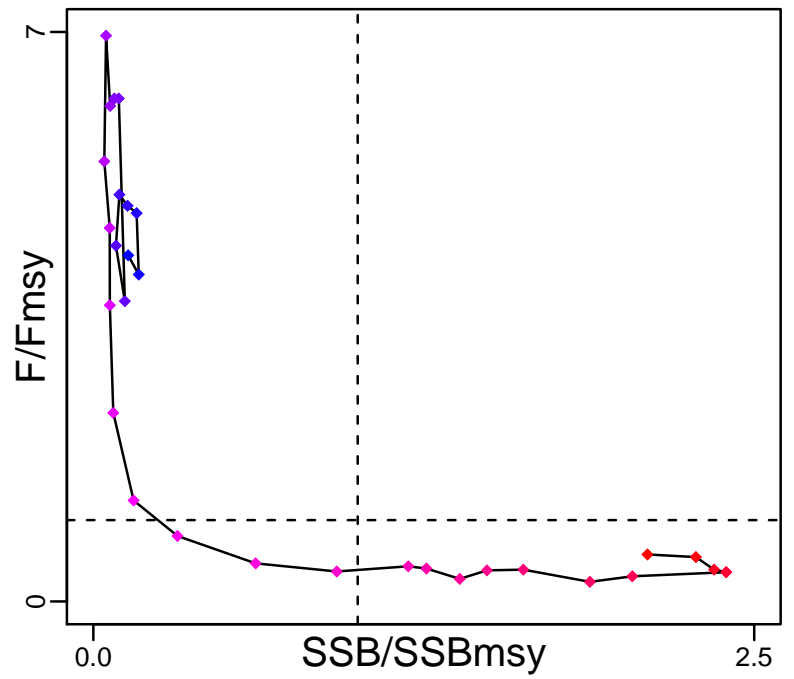
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	183,000	-	-
TN	-	-	-	-	-
R	R-E00	2014	1.12×10^8	-	0
F	F-1/yr	2014	0.127	-	3
ER	ER-calc-ratio	2014	0.023	-	-
TC	TC-MT	2014	10,600		
TL	TL-MT	2007	4200		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	2.096		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.577		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.43		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Scup Northwestern Atlantic Coast [SCUPNWATLC]

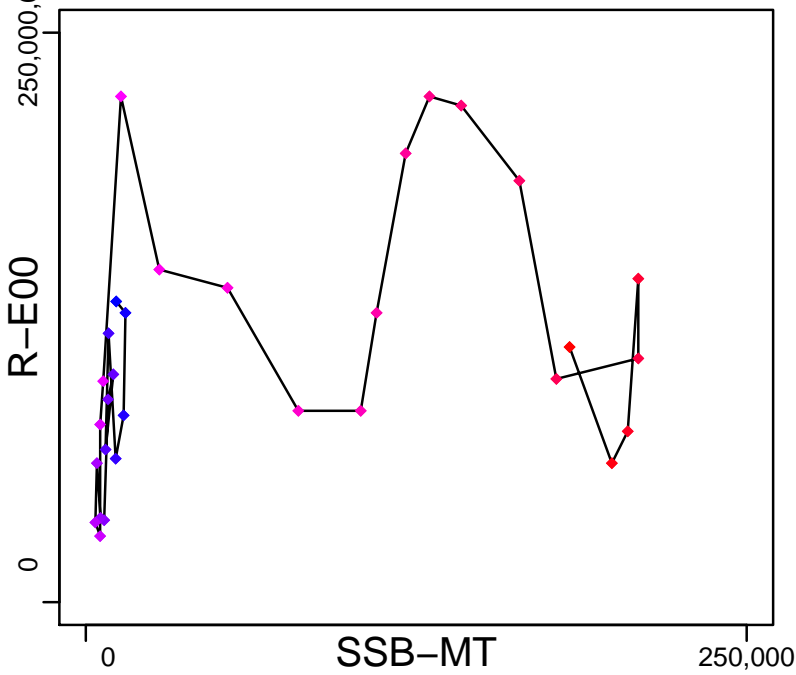
Kobe MSY_{pref} (1984–2014–SISIMP2016)



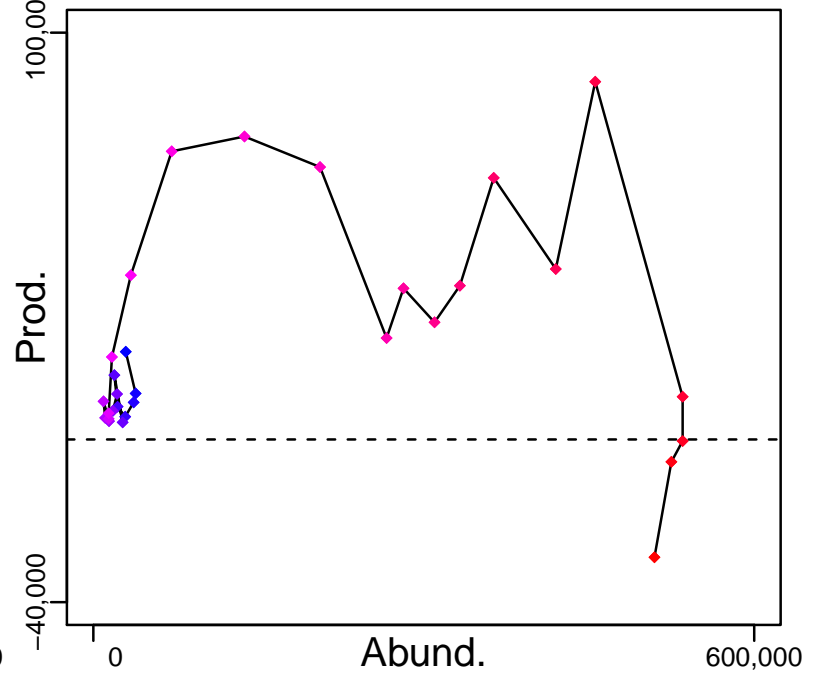
Kobe MGT_{pref} (1984–2014–SISIMP2016)



Spawner Recruit (1984–2014–SISIMP2016)



Production (1984–2014–SISIMP2016)



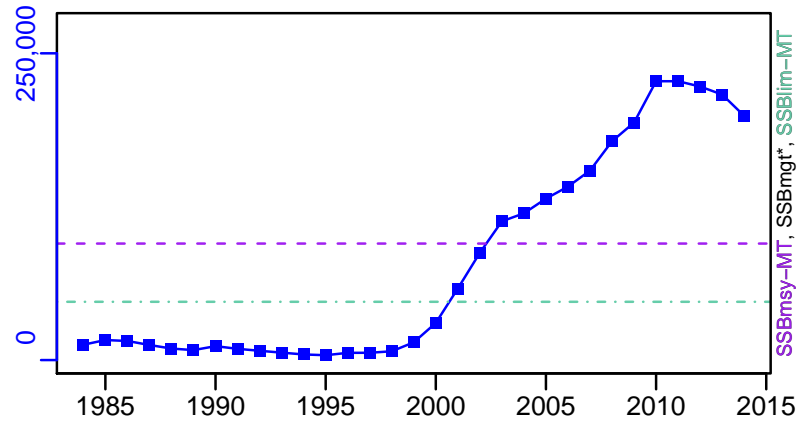
◆ Start Year ◆ End Year * No Data

Scup Northwestern Atlantic Coast [SCUPNWATLC]

TB*



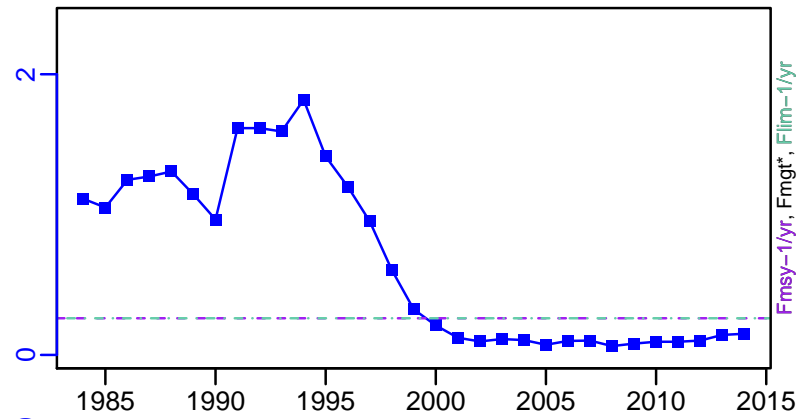
SSB-MT (1984–2014–SISIMP2016)



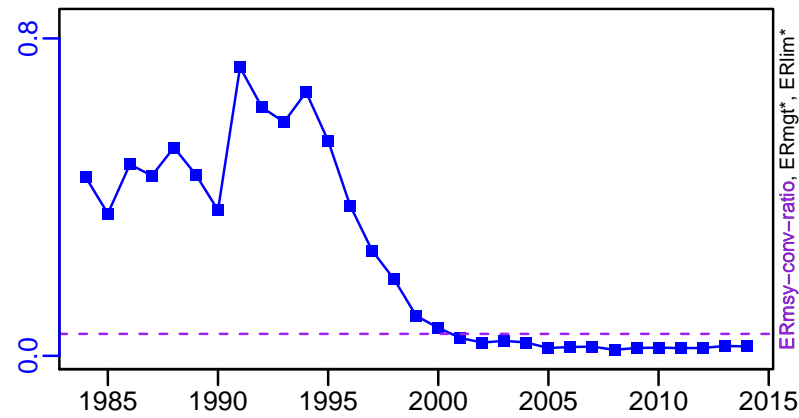
TN *



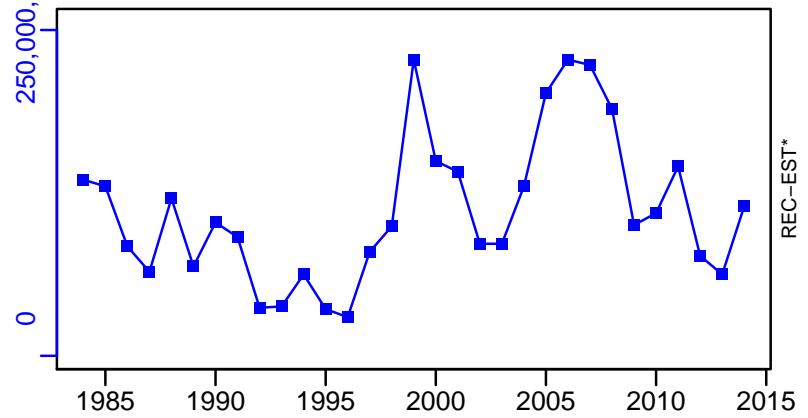
F-1/yr (1984–2014–SISIMP2016)



ER-calc-ratio (1984–2014–SISIMP2016)

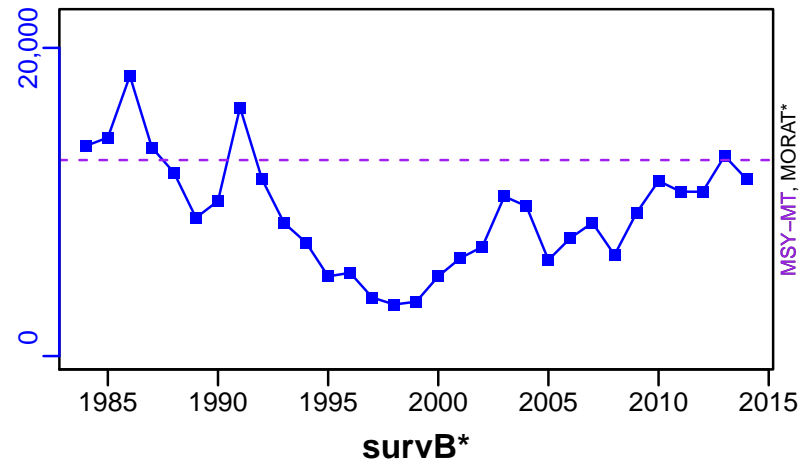


R-E00 (1984–2014–SISIMP2016)



Scup Northwestern Atlantic Coast [SCUPNWATLC]

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



TAC*, Cpair*, Cadv*



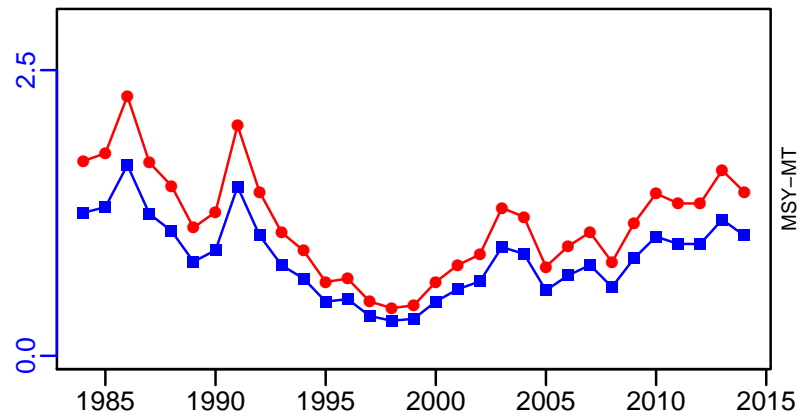
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1984-2014-SISIMP2016)



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

Spiny dogfish Atlantic Coast [SDOGATLC]

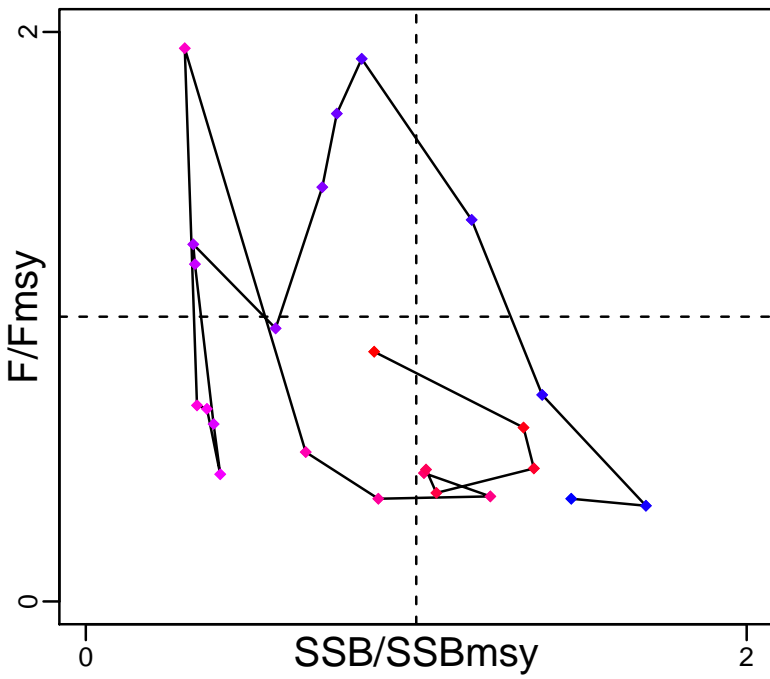
Metadata	
Scientific Name	Squalus acanthias
Current Assess ID	NEFSC-SDOGATLC-1991-2015-SISIMP2016
Area	Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2006, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2006	265,899
SSBmsy	SSBmsy-MT	2015	159,288
Fmsy	Fmsy-1/yr	2015	0.244
ERmsy	ERmsy-est-ratio	2015	0.047
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2015	20,520
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2015	79,644
Flim	Flim-1/yr	2015	0.244
ERlim	-	-	-

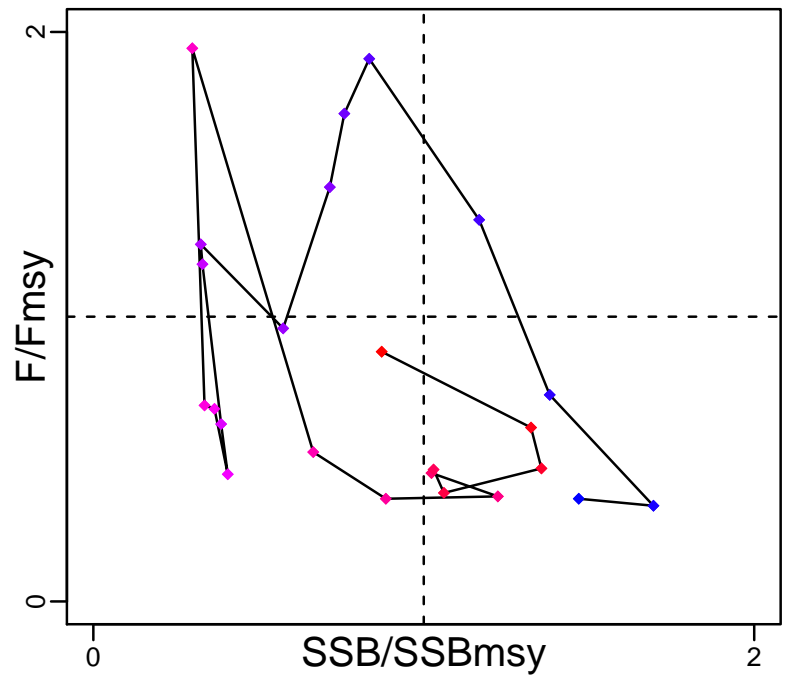
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2006	454,000	-	-
SSB	SSB-MT	2015	139,000	Females	-
TN	-	-	-	-	-
R	R-MT	2006	280	-	-
F	F-1/yr	2015	0.214	-	-
ER	ER-calc-ratio	2015	0.021	-	-
TC	TC-MT	2015	16,500		
TL	TL-MT	2006	3020		
TB/TBmsy	TB-MT/TBmsy-est-MT	2006	1.707		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	0.873		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.877		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2015	0.456		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Spiny dogfish Atlantic Coast [SDOGATLC]

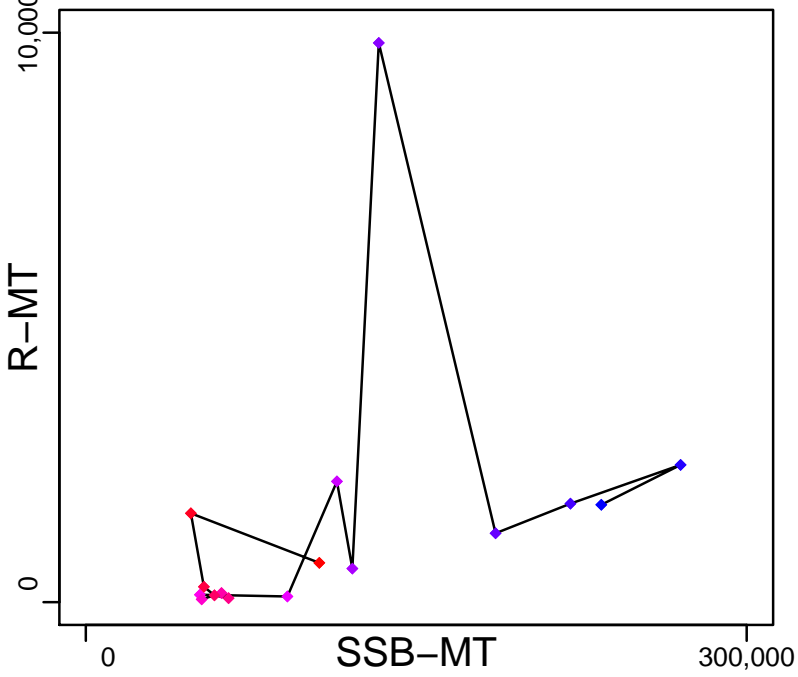
Kobe MSYpref (1991–2015–SISIMP2016)



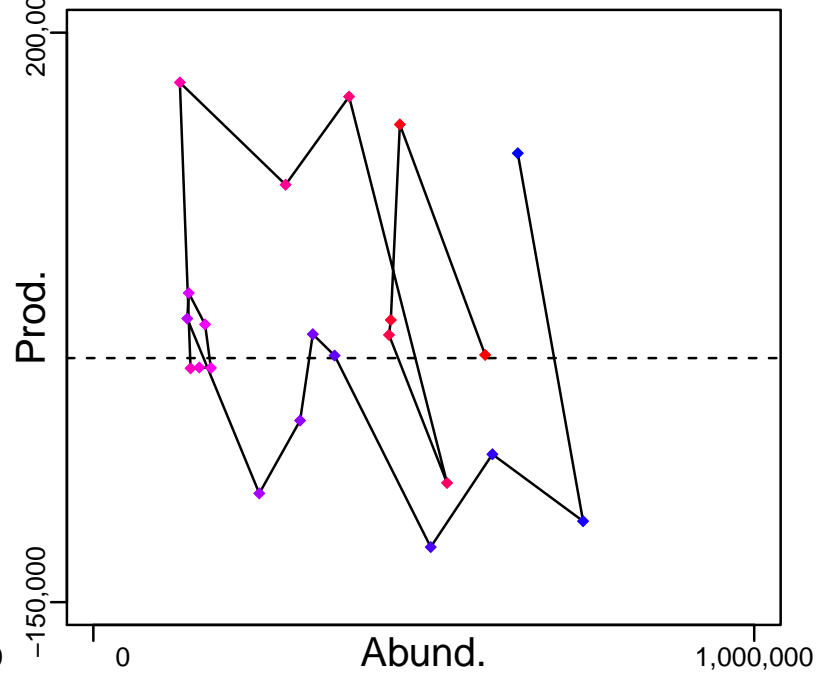
Kobe MGTpref (1991–2015–SISIMP2016)



Spawner Recruit (1962–2006–SOSEBEE)



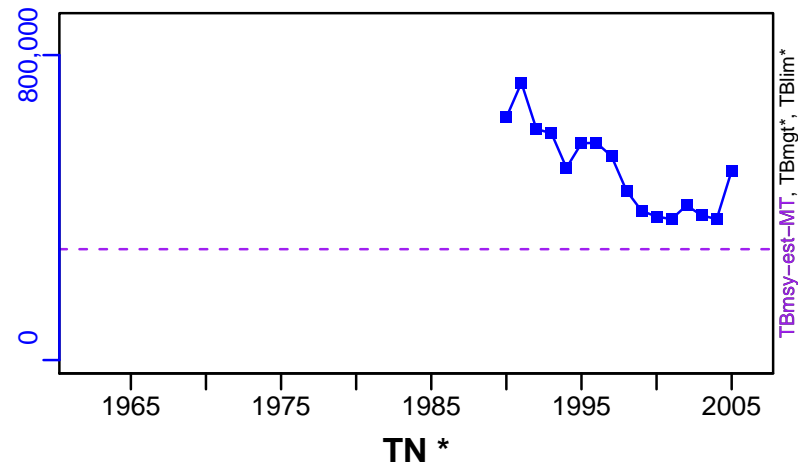
Production (1991–2015–SISIMP2016)



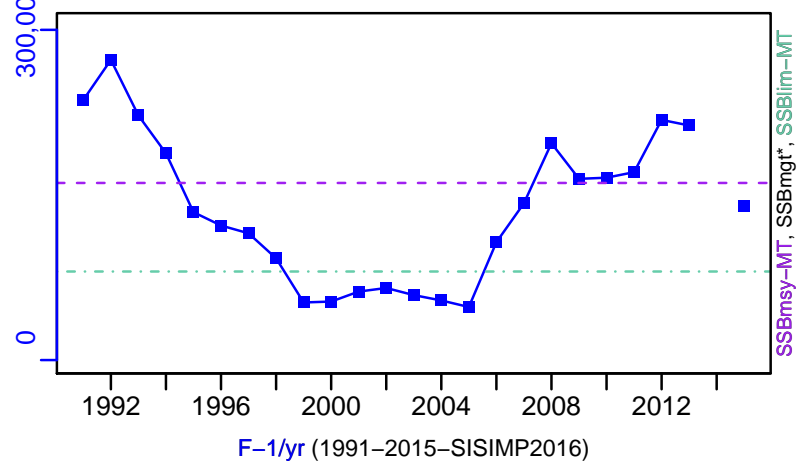
◆ Start Year ◆ End Year * No Data

Spiny dogfish Atlantic Coast [SDOGATLC]

TB-MT (1962-2006-SOSEBEE)



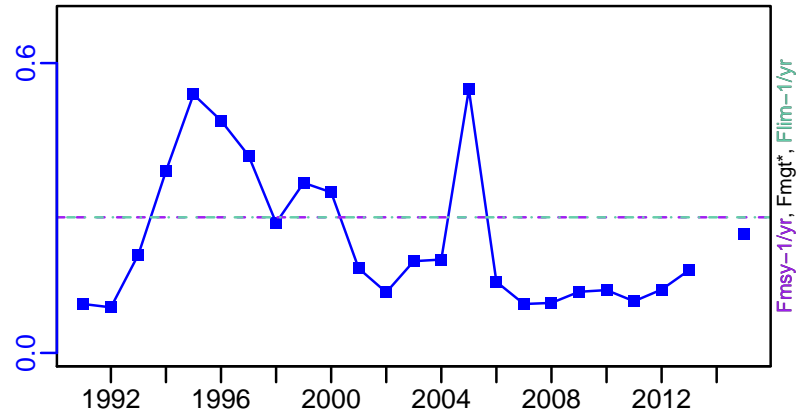
SSB-MT (1991-2015-SISIMP2016)



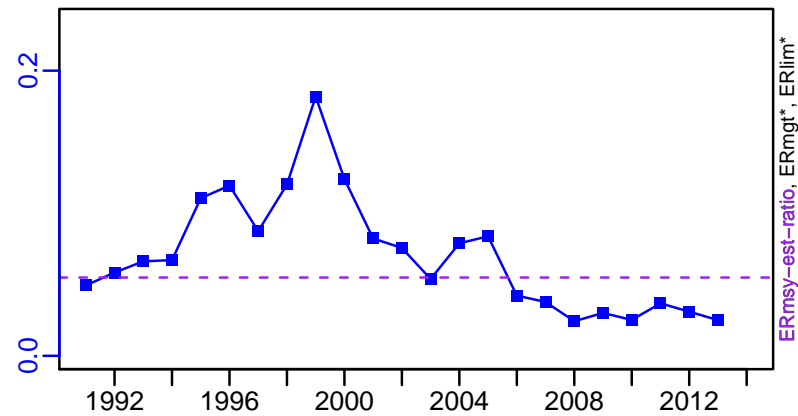
TN *



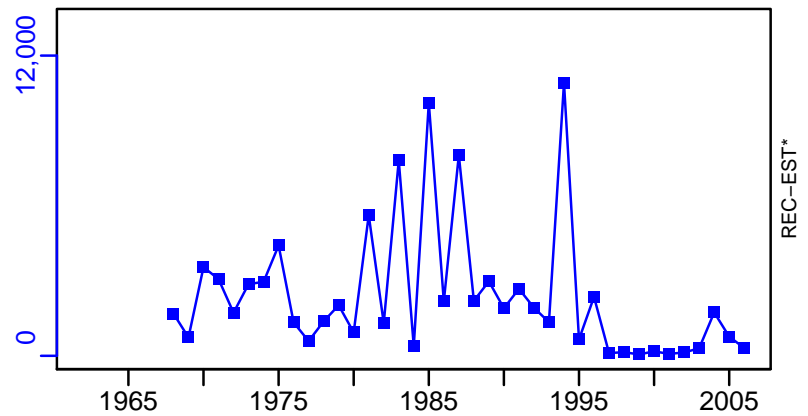
F-1/yr (1991-2015-SISIMP2016)



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



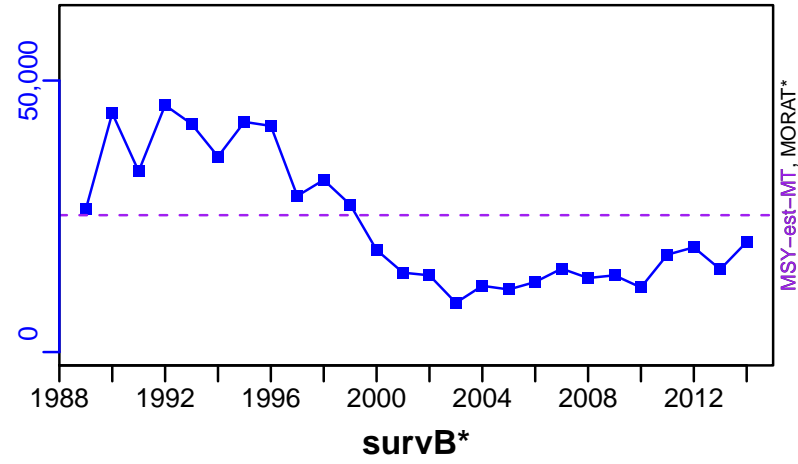
R-MT (1962-2006-SOSEBEE)



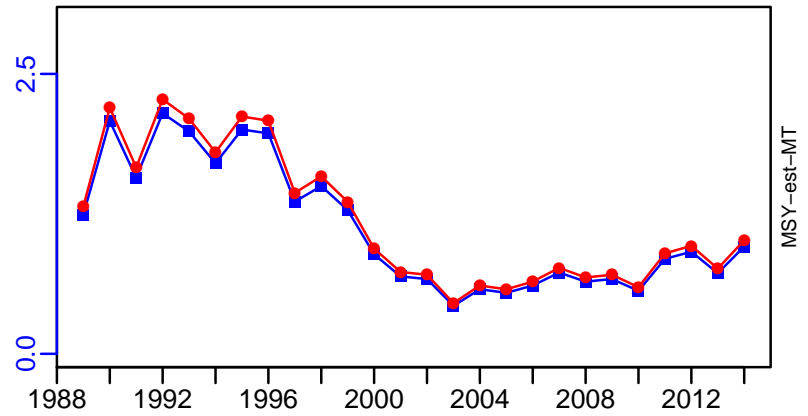
Spiny dogfish Atlantic Coast [SDOGATLC]

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

TAC*, Cpair*, Cadv*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (1991-2015-SISIMP2016)



- 1st listed time series
- 2nd listed time series
- 3rd listed time series
- MORAT
- No Data
- MSY

Summer flounder Mid-Atlantic Coast [SFLOUNMATLC]

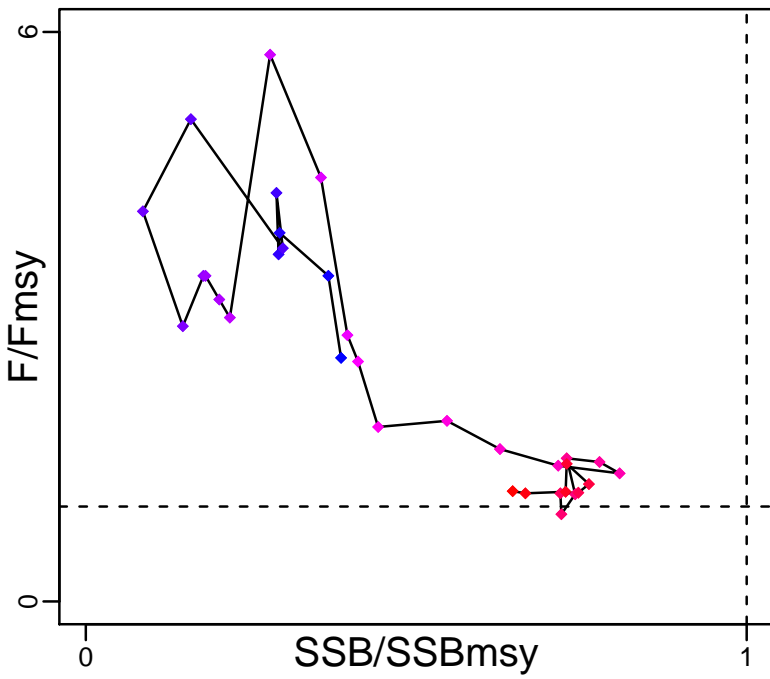
Metadata	
Scientific Name	Paralichthys dentatus
Current Assess ID	NEFSC-SFLOUNMATLC-1982-2014-SISIMP2016
Area	Mid-Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2012, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	62,394
Fmsy	Fmsy-1/yr	2014	0.309
ERmsy	ERmsy-conv-ratio	2014	0.077
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	0.309
ERlim	-	-	-

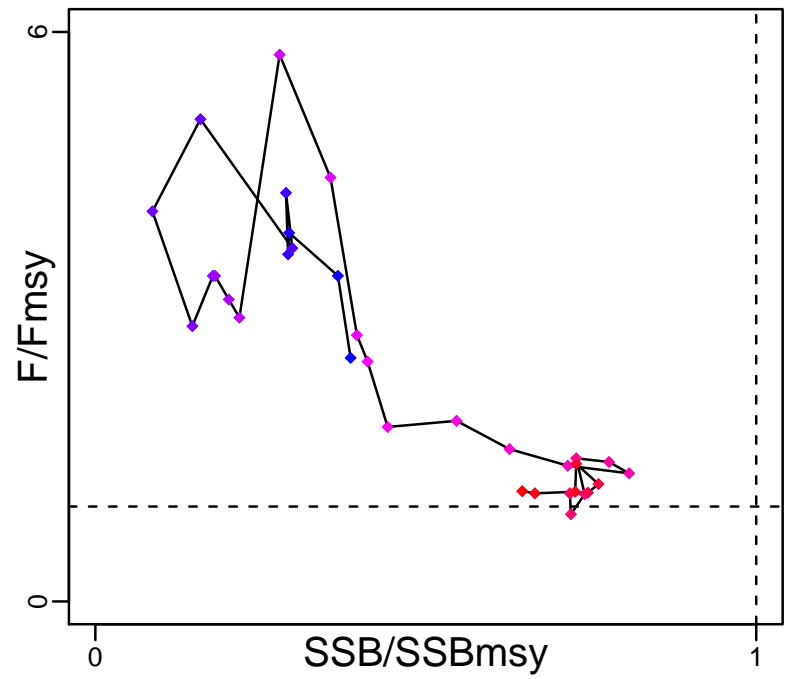
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	40,300	-	-
TN	TN-E00	2012	1.17×10^8	-	-
R	R-E00	2014	41,400,000	-	0
F	F-1/yr	2014	0.359	-	4
ER	ER-calc-ratio	2014	0.094	-	-
TC	TC-MT	2014	10,200		
TL	TL-MT	2012	6050		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.646		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	1.162		
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]

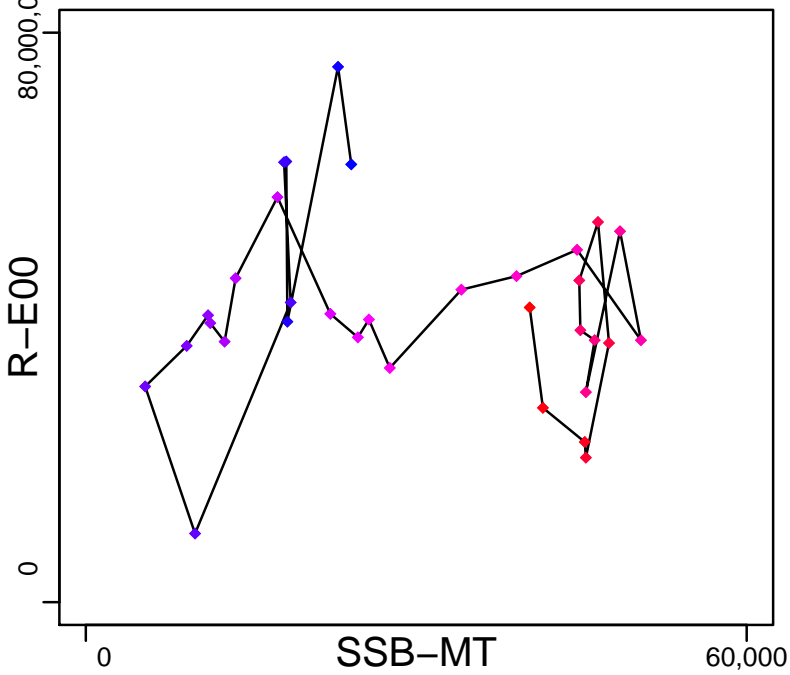
Kobe MSYpref (1982–2014–SISIMP2016)



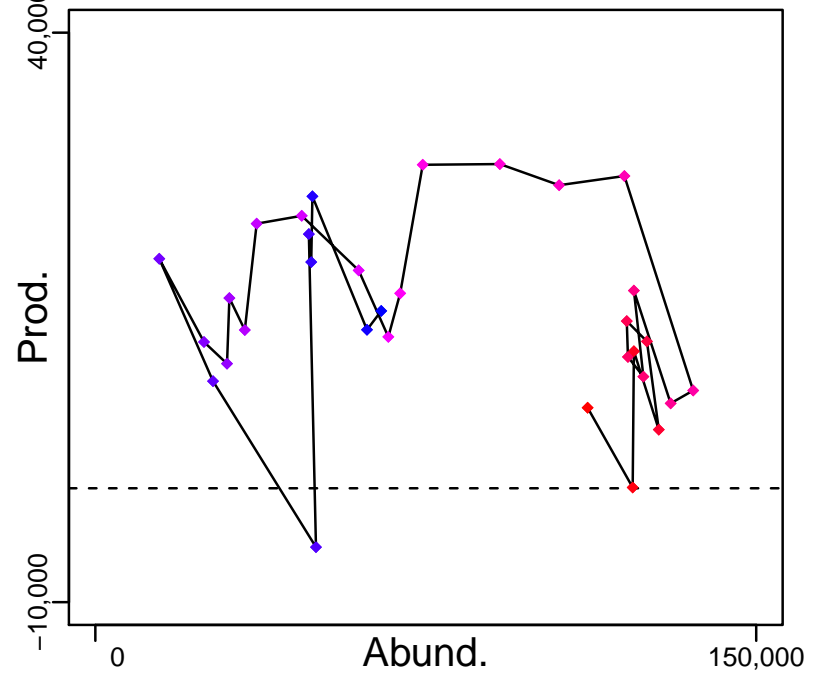
Kobe MGTpref (1982–2014–SISIMP2016)



Spawner Recruit (1982–2014–SISIMP2016)



Production (1982–2014–SISIMP2016)



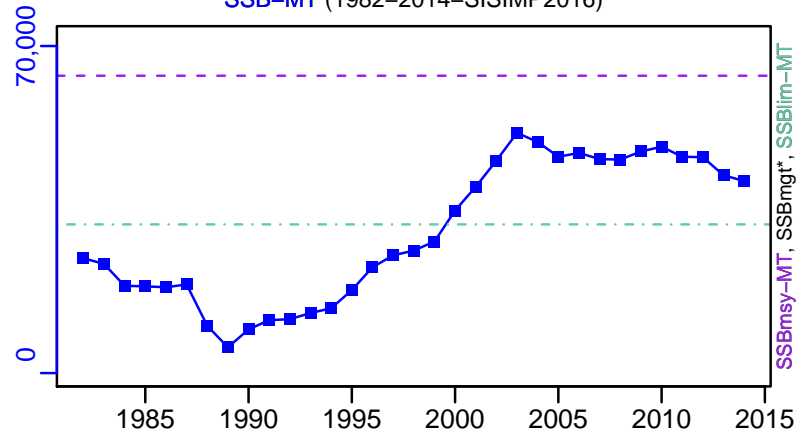
◆ Start Year ◆ End Year * No Data

Summer flounder Mid-Atlantic Coast [SFLOUNMATLC]

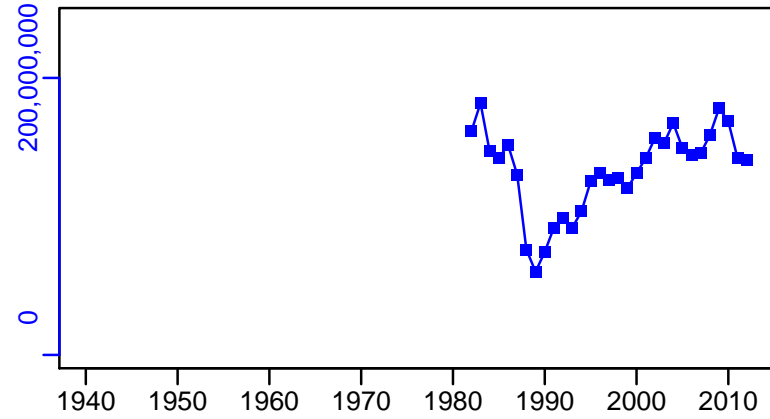
TB*



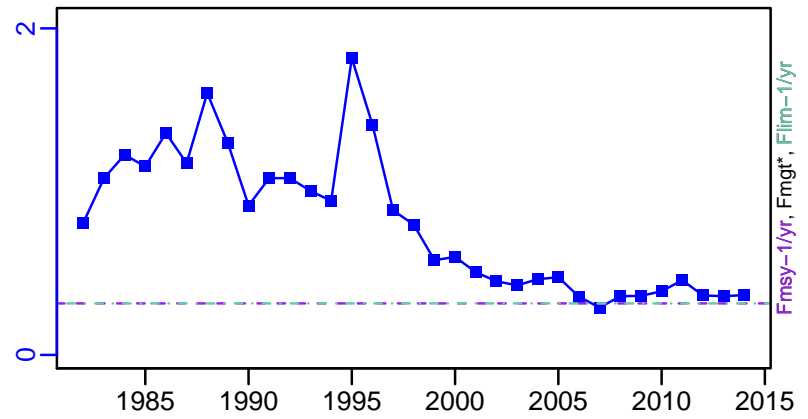
SSB-MT (1982-2014-SISIMP2016)



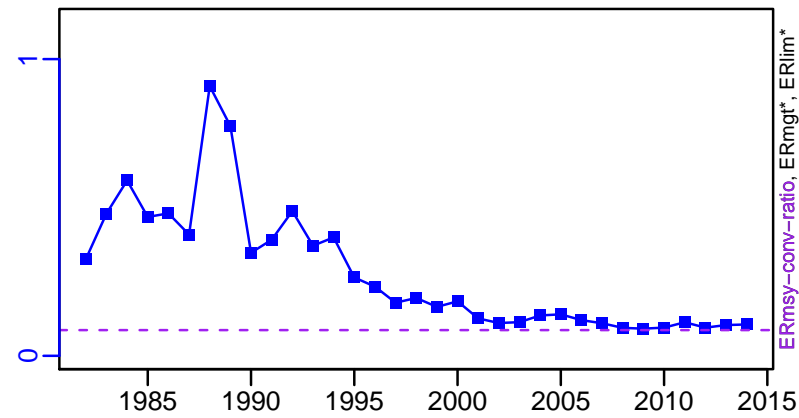
TN-E00 (1940-2012-HIVELY)



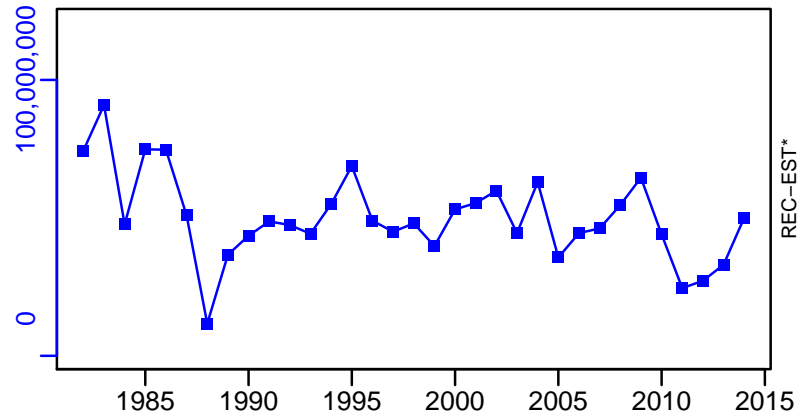
F-1/yr (1982-2014-SISIMP2016)



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

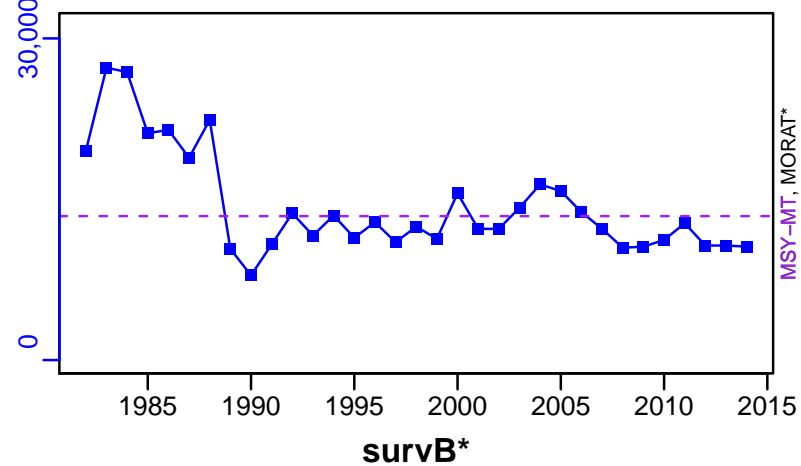


R-E00 (1982-2014-SISIMP2016)



Summer flounder Mid-Atlantic Coast [SFLOUNMATLC]

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



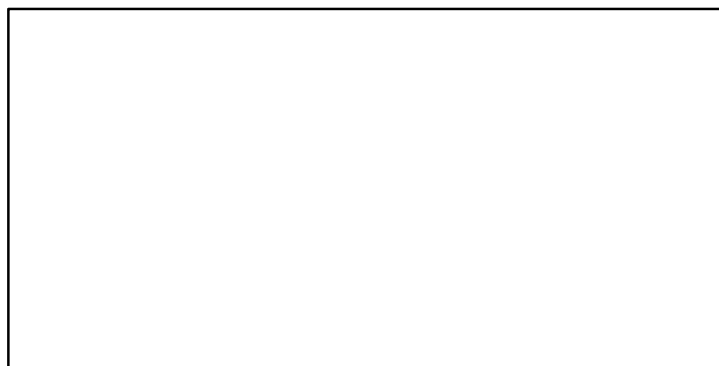
TAC*, Cpair*, Cadv*



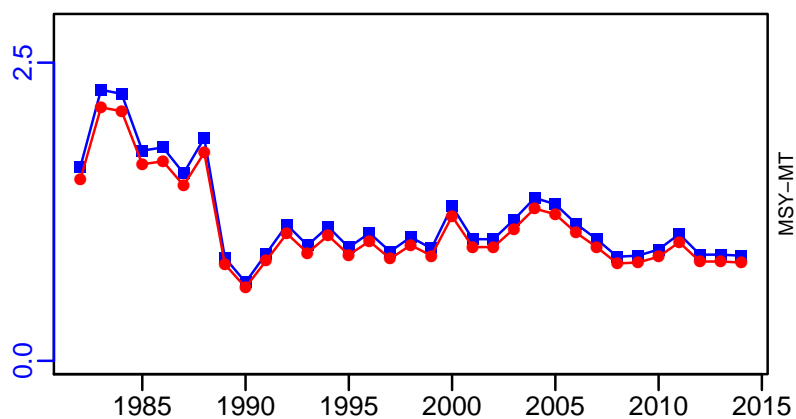
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1982-2014-SISIMP2016)



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

Silver hake Gulf of Maine / 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*



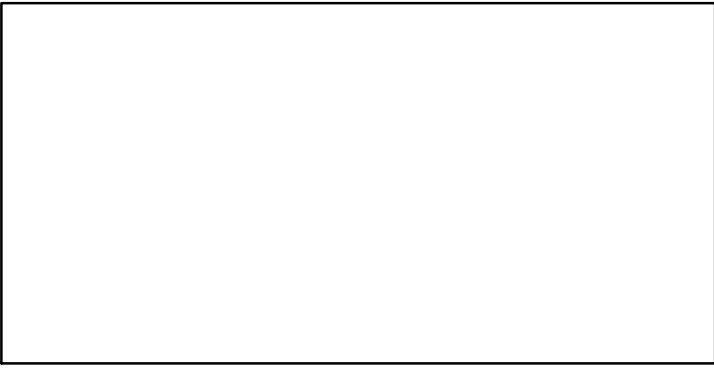
Production*



◆ Start Year ◆ End Year * No Data

Silver hake Gulf of Maine / Georges Bank [SHAKEGOMNGB]

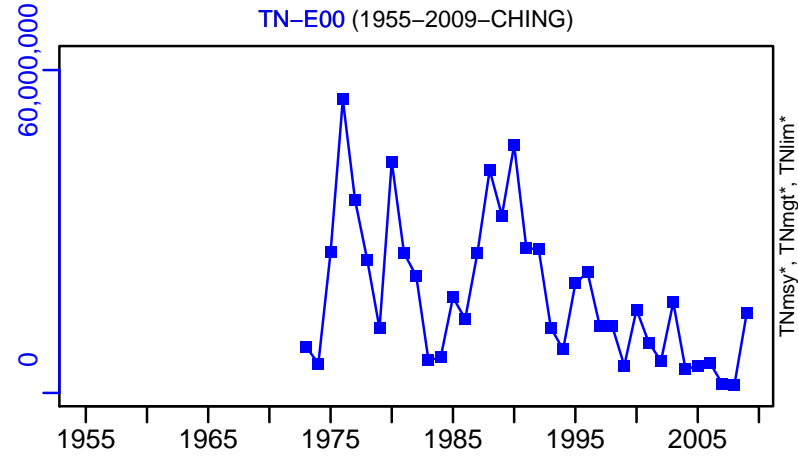
TB*



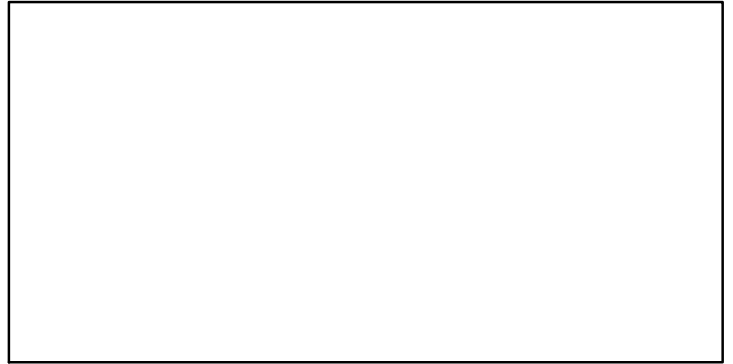
SSB*



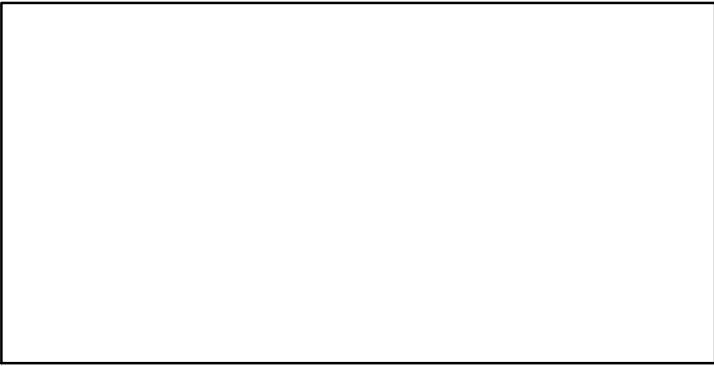
TN-E00 (1955–2009–CHING)



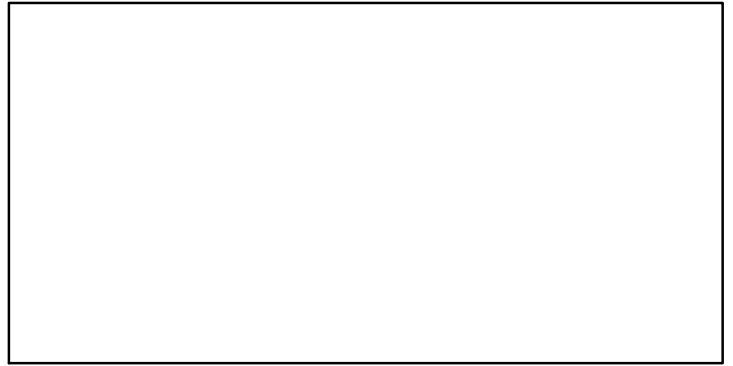
F*



ER*



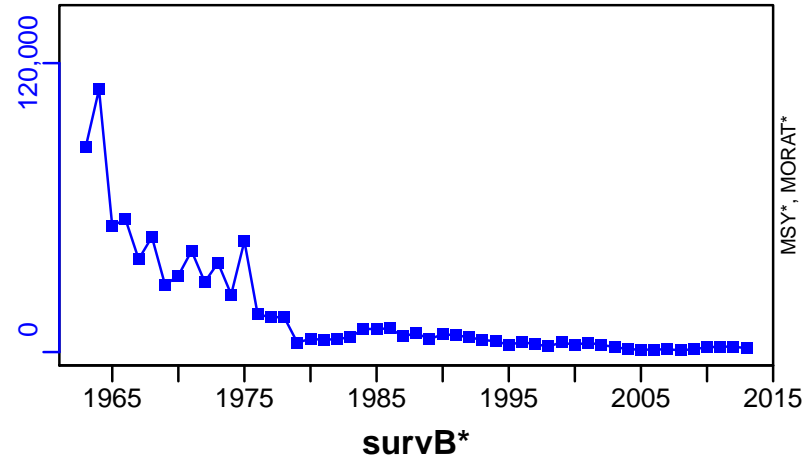
Recruits*



Silver hake Gulf of Maine / Georges Bank [SHAKEGOMNGB]

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

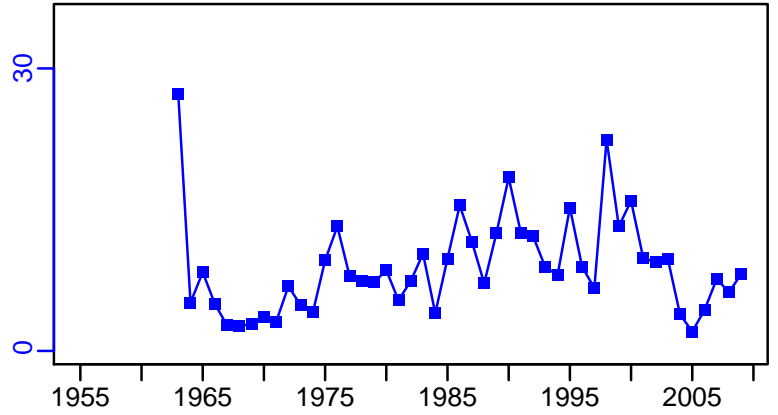
TAC*, Cpair*, Cadv*



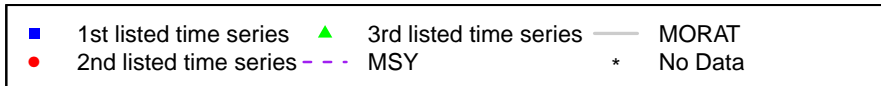
EFFORT*



CPUE-kgpertow (1955-2009-CHING)



CdivMSY*



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]

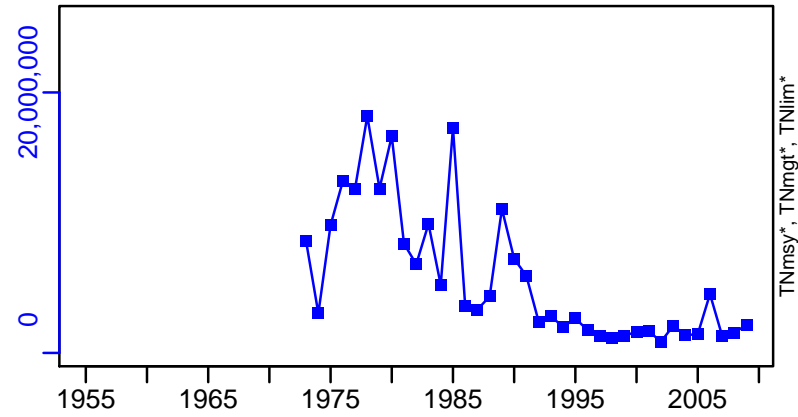
TB*



SSB*



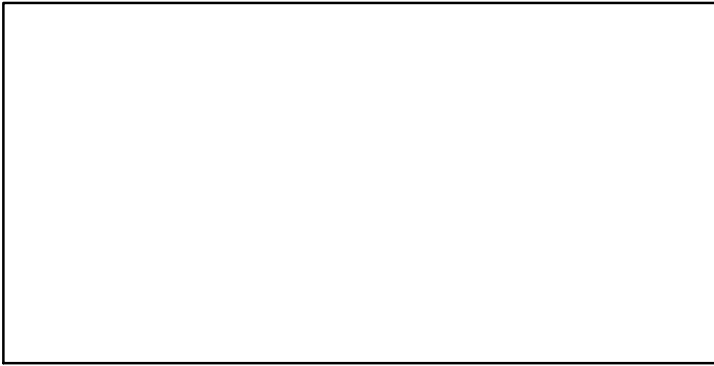
TN-E00 (1955–2009–CHING)



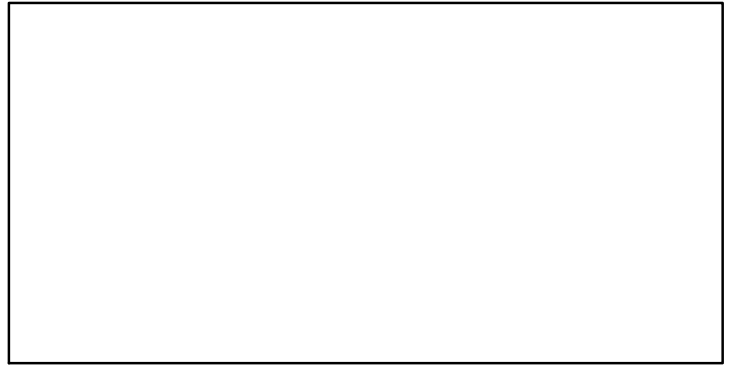
F*



ER*



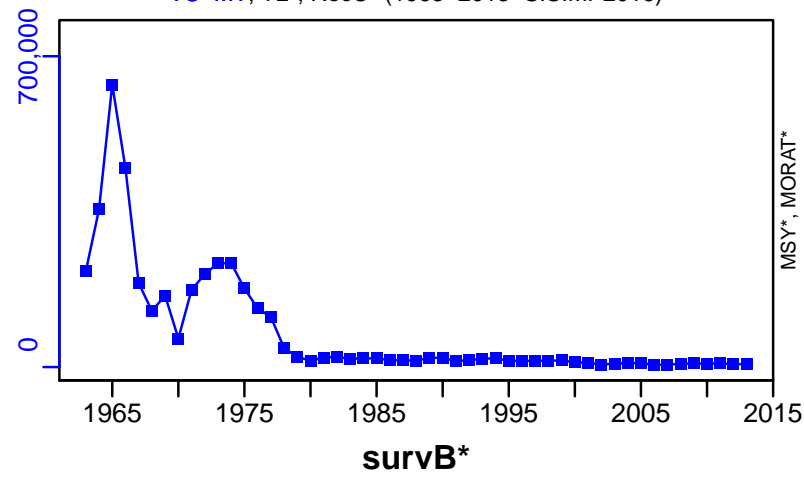
Recruits*



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

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

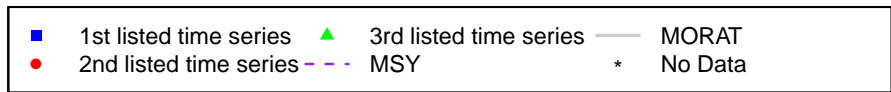
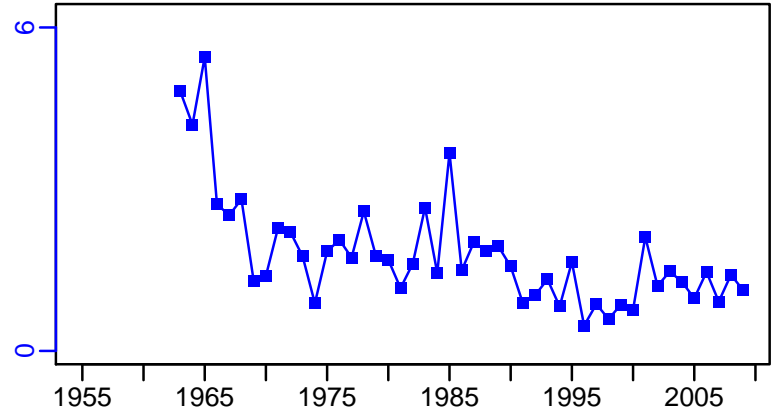
TAC*, Cpair*, Cadv*



EFFORT*



CPUE-kgpertow (1955-2009-CHING)



Smooth dogfish Atlantic [SMDOGATL]

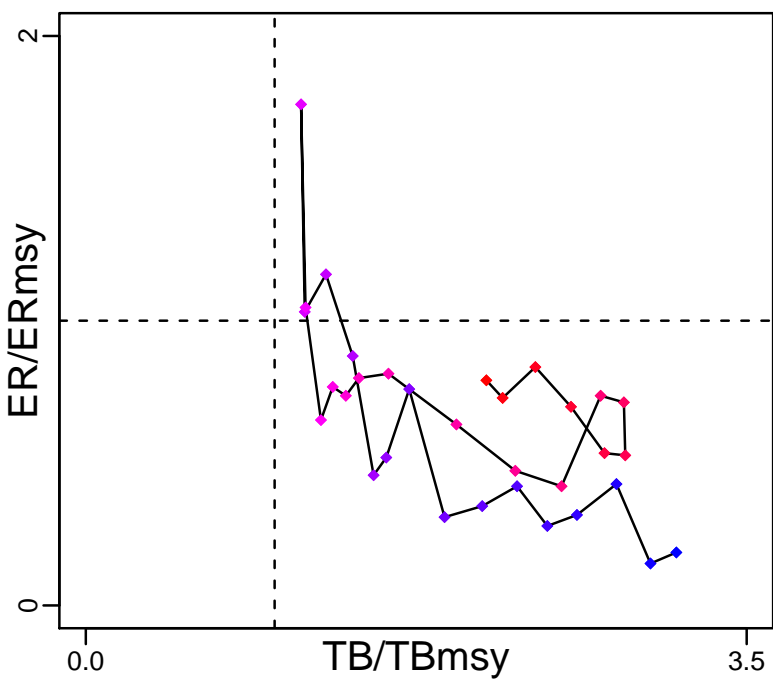
Metadata	
Scientific Name	Mustelus canis
Current Assess ID	SEFSC-SMDOGATL-1981-2012-SISIMP2016
Area	Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2012	10,531
SSBmsy	SSBmsy-E00pups	2012	4,746,000
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2012	0.129
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2012	1358
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-E00pups	2012	3,701,000
Flim	-	-	-
ERlim	ERlim-ratio	2012	0.129

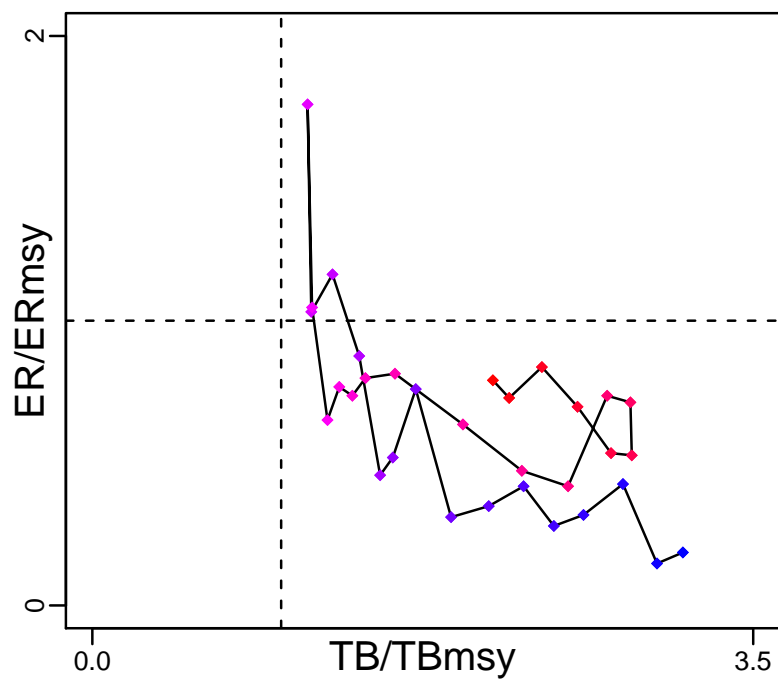
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2012	22,340	-	-
SSB	SSB-E00pups	2012	10,800,000	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2012	0.102	-	-
TC	TC-MT	2012	1451		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-est-MT	2012	2.121		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2012	0.791		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Smooth dogfish Atlantic [SMDOGATL]

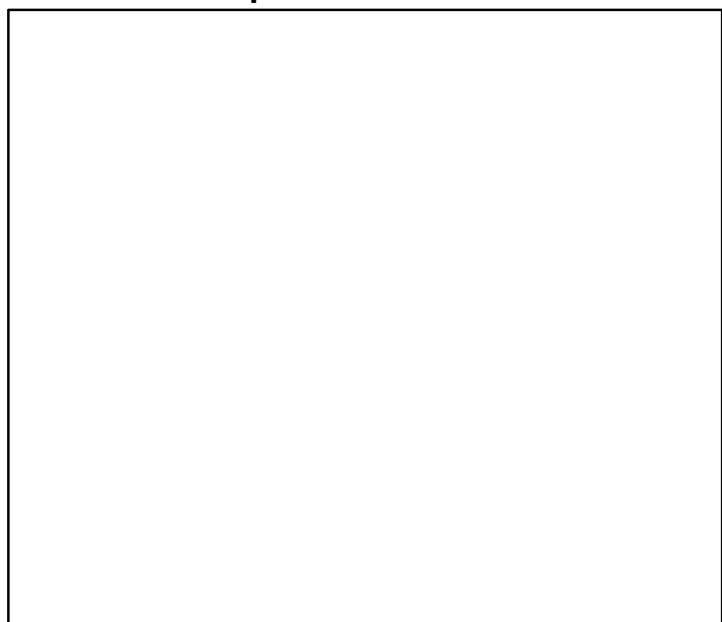
Kobe MSY_{pref} (1981–2012–SISIMP2016)



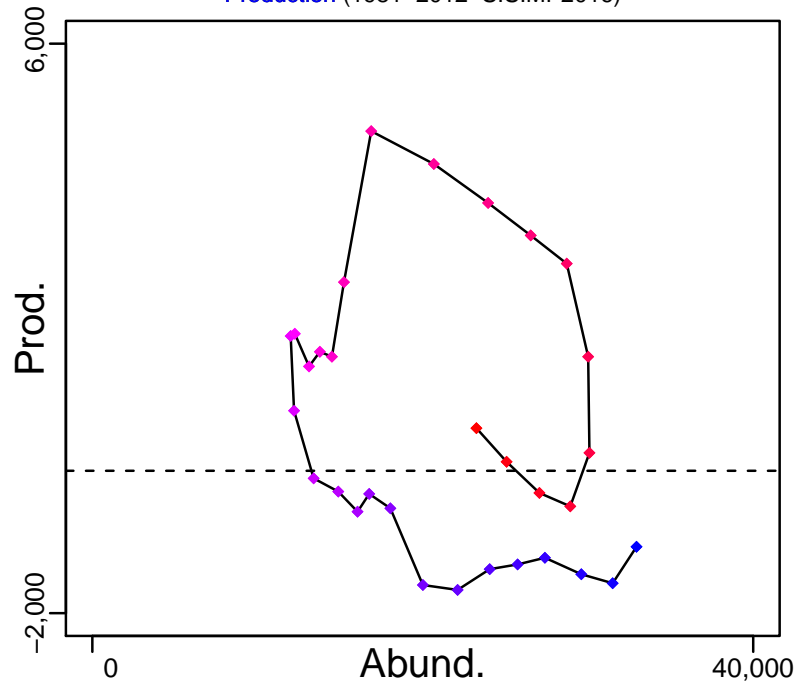
Kobe MGT_{pref} (1981–2012–SISIMP2016)



Spawner Recruit*



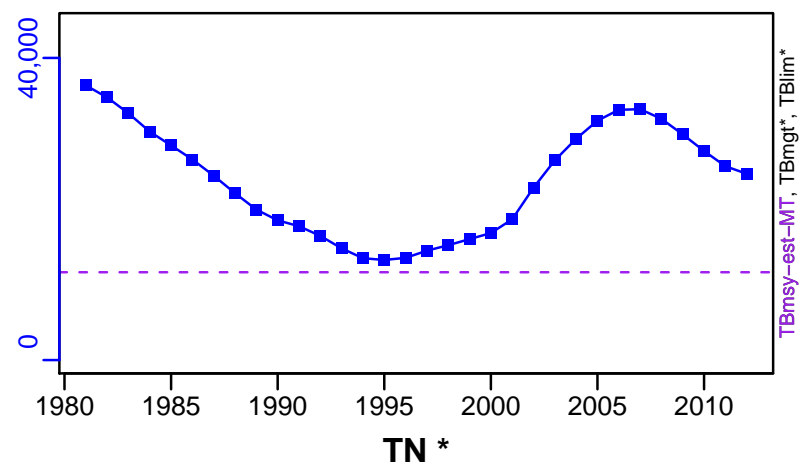
Production (1981–2012–SISIMP2016)



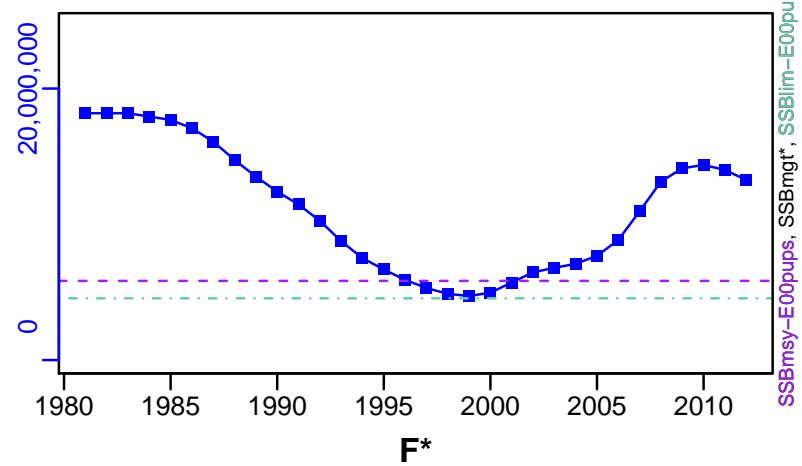
◆ Start Year ◆ End Year * No Data

Smooth dogfish Atlantic [SMDOGATL]

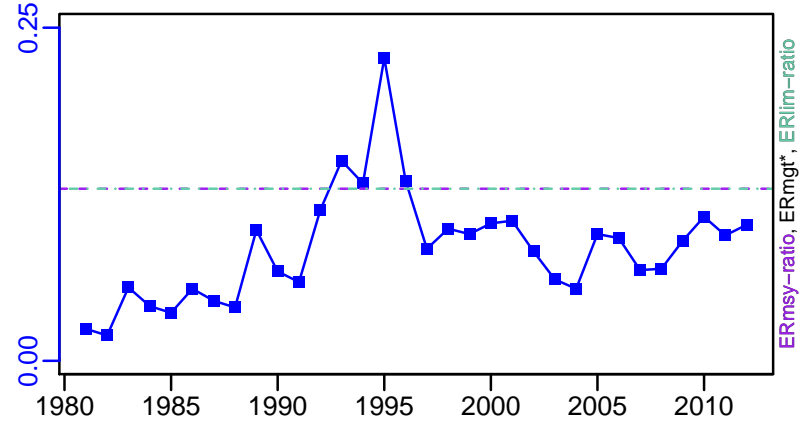
TB-MT (1981–2012–SISIMP2016)



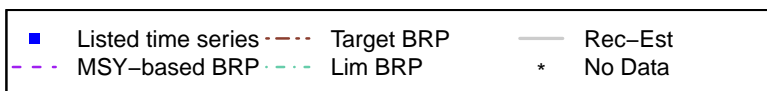
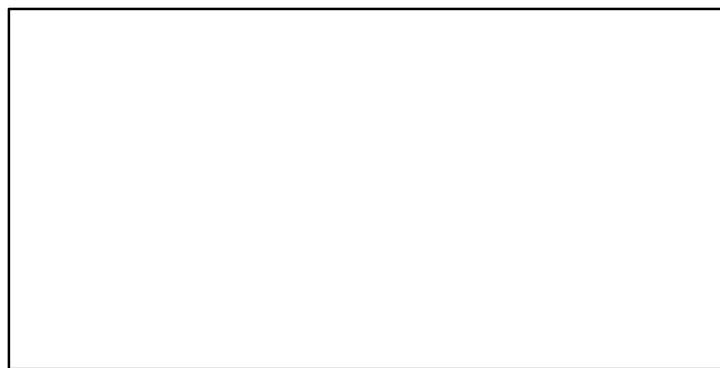
SSB-E00pups (1981–2012–SISIMP2016)



ER-ratio (1981–2012–SISIMP2016)

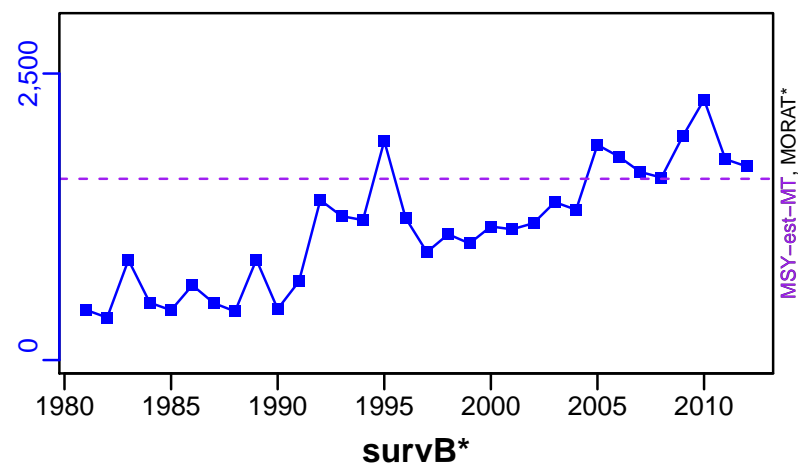


Recruits*



Smooth dogfish Atlantic [SMDOGATL]

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



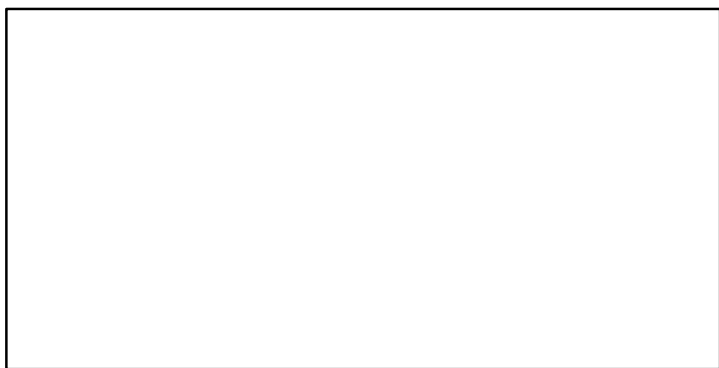
TAC*, Cpair*, Cadv*



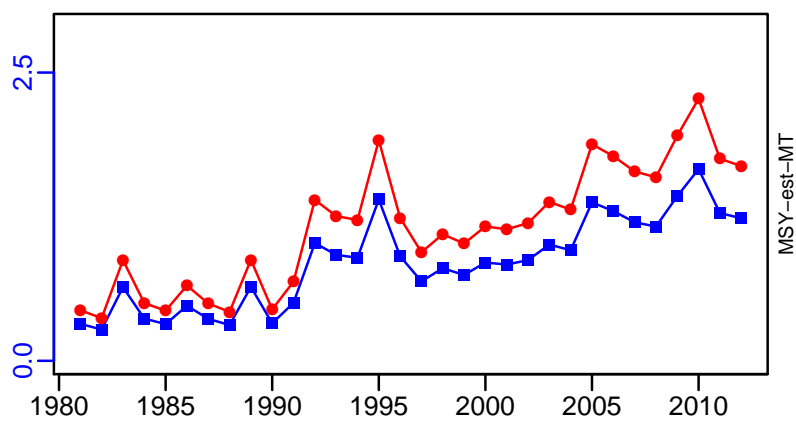
CPUE*



EFFORT*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (1981-2012-SISIMP2016)



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

**Smooth skate Gulf of Maine / 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	TC-MT	2005	1.6		
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*



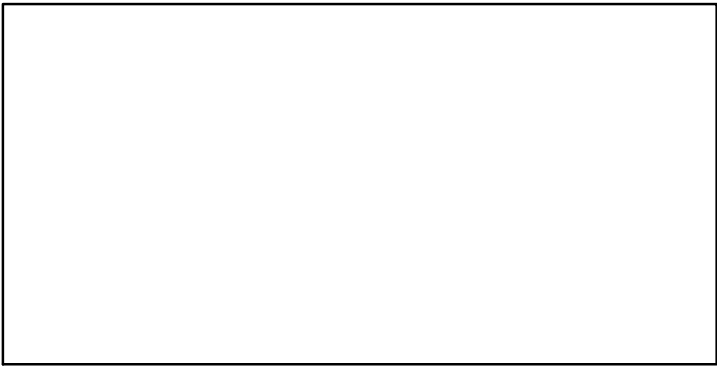
SSB*



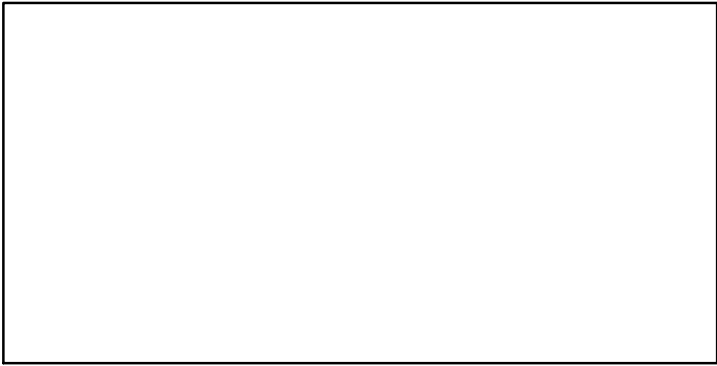
TN *



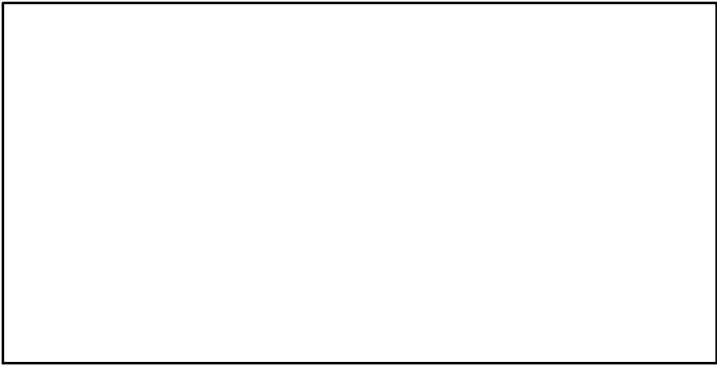
F*



ER*



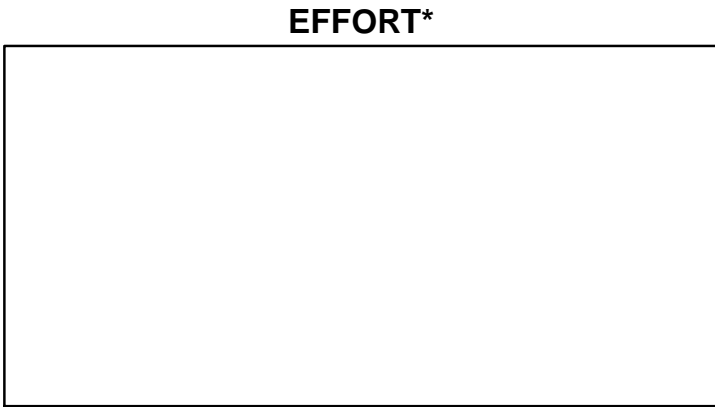
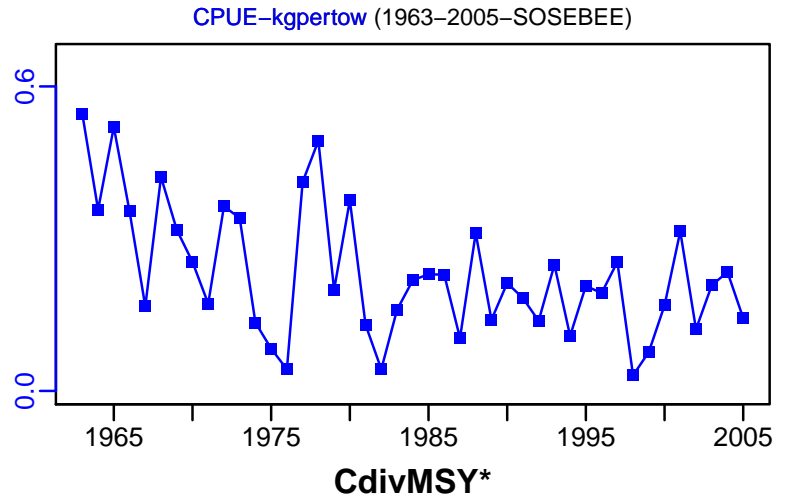
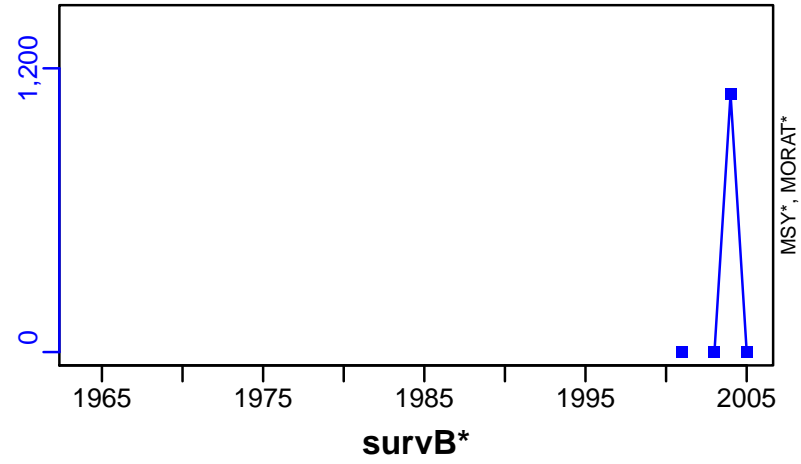
Recruits*



Smooth skate Gulf of Maine / Georges Bank–Southern New England [SSKAT5YZSNE]

TC–MT, TL*, RecC* (1963–2005–SOSEBEE)

TAC*, Cpair*, Cadv*



Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]

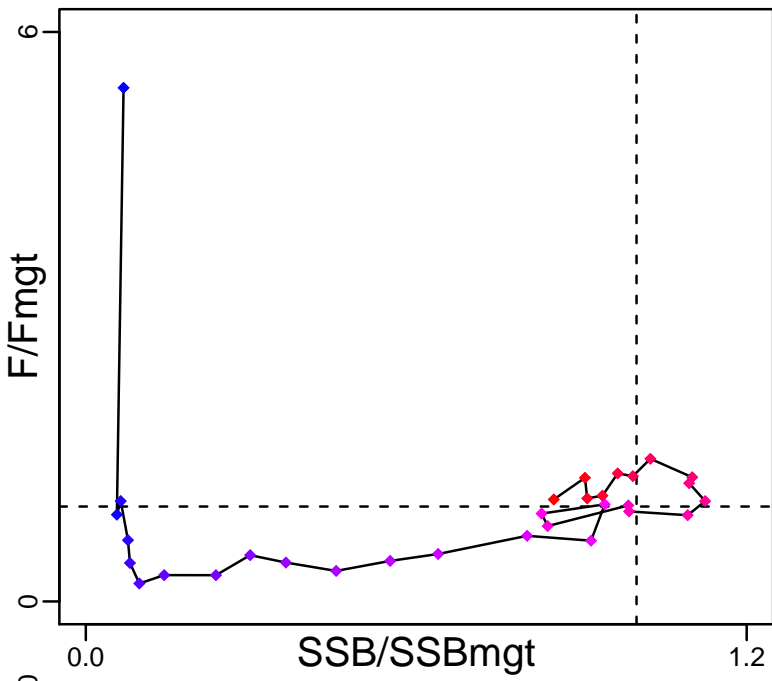
Metadata	
Scientific Name	Morone saxatilis
Current Assess ID	NEFSC-STRIPEDBASSGOMCHATT-1981-2012-HIVELY
Area	Gulf of Maine / Cape Hatteras
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2012	0.054
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2012	72,380
Fmgt	Fmgt-1/yr	2012	0.175
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

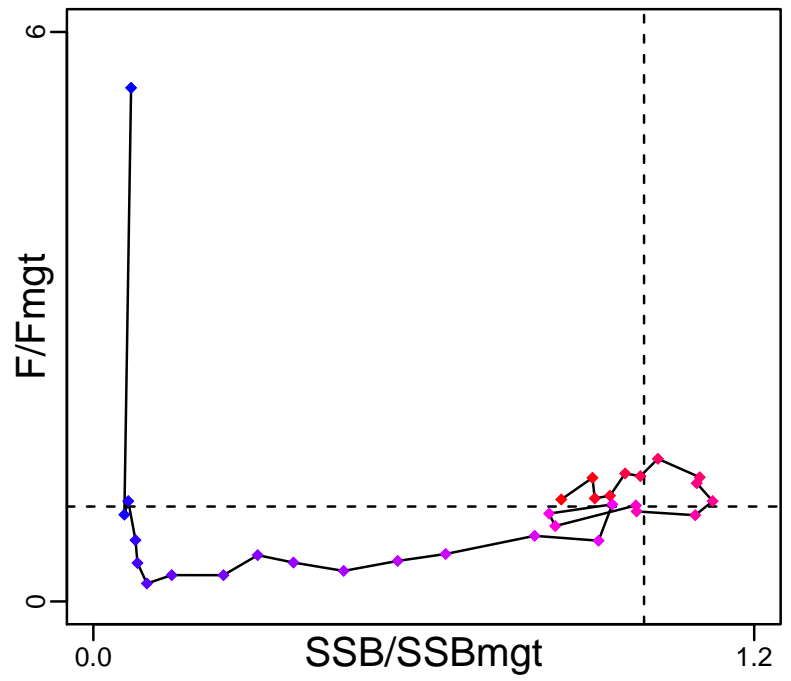
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	61,500	Females	4+
TN	TN-E00	2012	2.15×10^8	-	-
R	R-E00	2012	1.44×10^8	-	1
F	F-1/yr	2012	0.188	-	-
ER	ER-calc-ratio	2012	0.033	-	-
TC	TC-E00	2012	3,600,000		
TL	TL-MT	2012	3080		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2012	0.612		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2012	0.85		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	1.074		
ER/ERmgt	-	-	-		

Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]

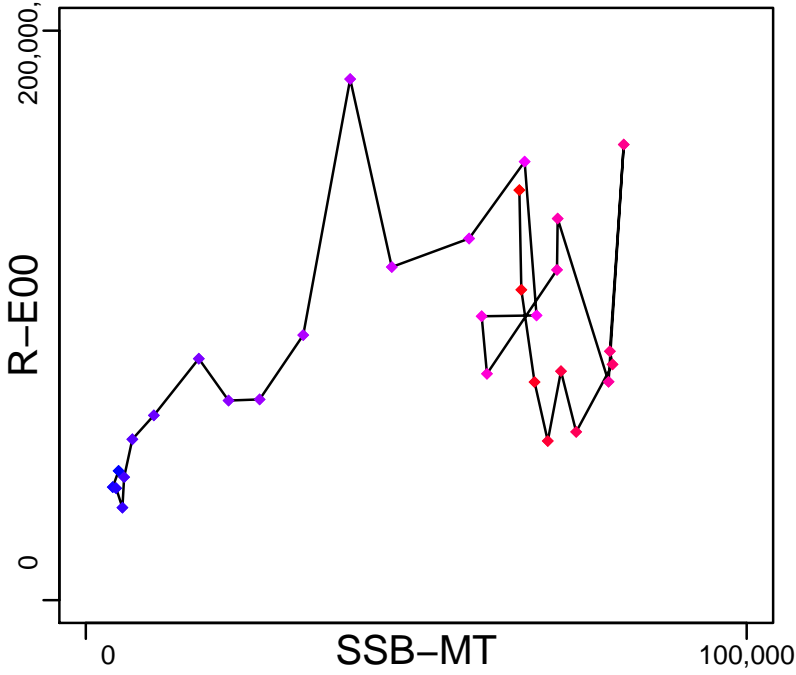
Kobe MSYpref (1981–2012–HIVELY)



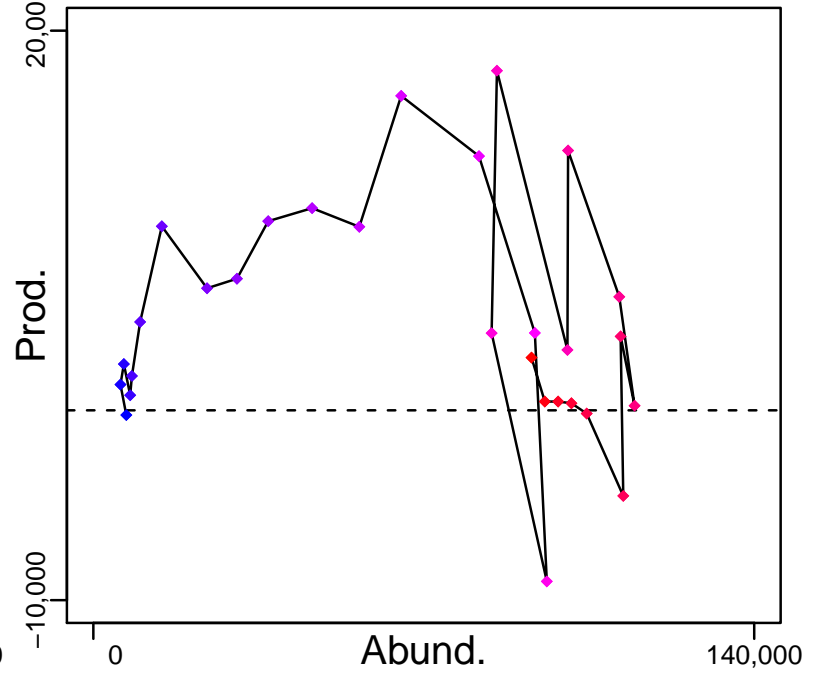
Kobe MGTpref (1981–2012–HIVELY)



Spawner Recruit (1981–2012–HIVELY)



Production (1981–2012–HIVELY)

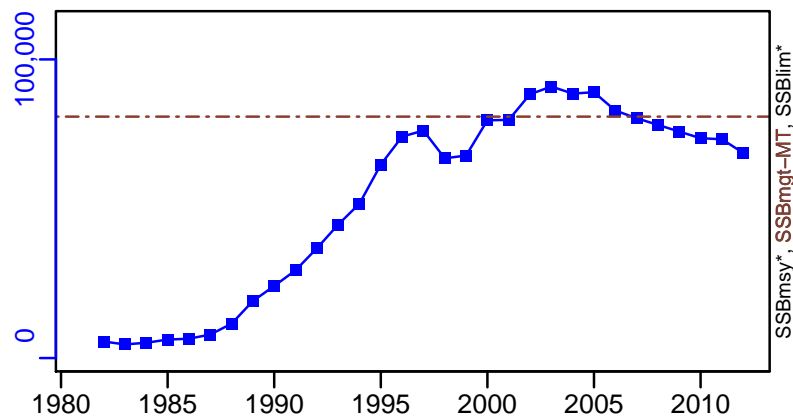
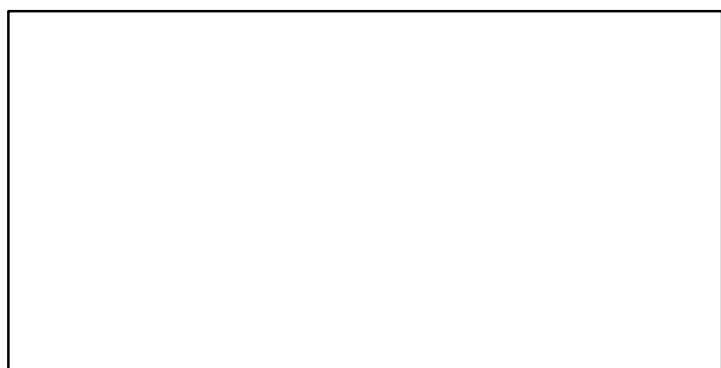


◆ Start Year ◆ End Year * No Data

Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]

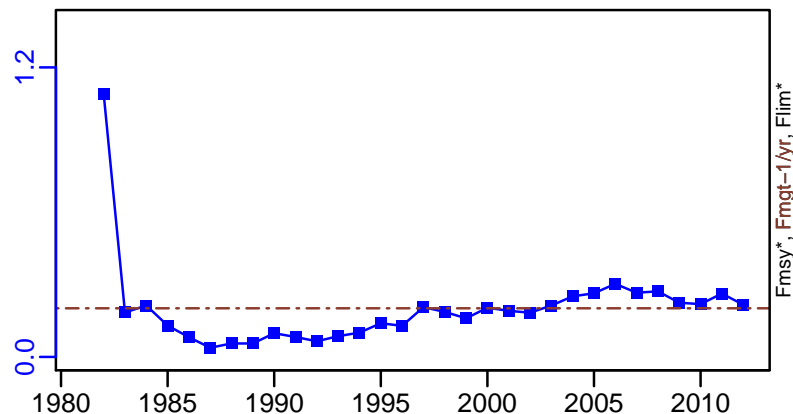
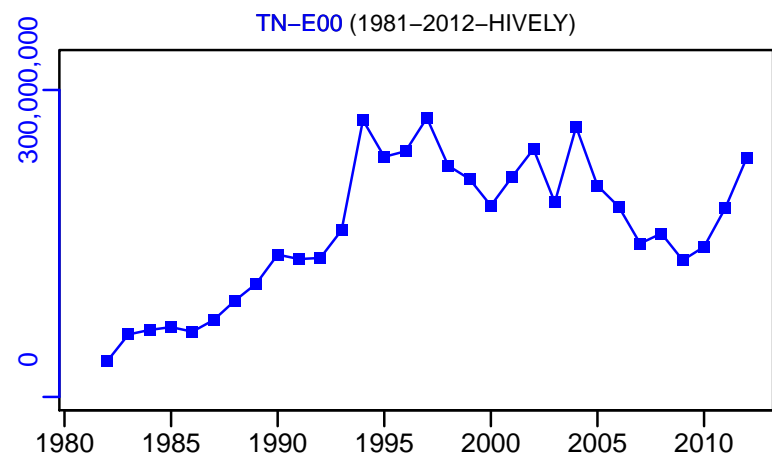
TB*

SSB-MT (1981-2012-HIVELY)



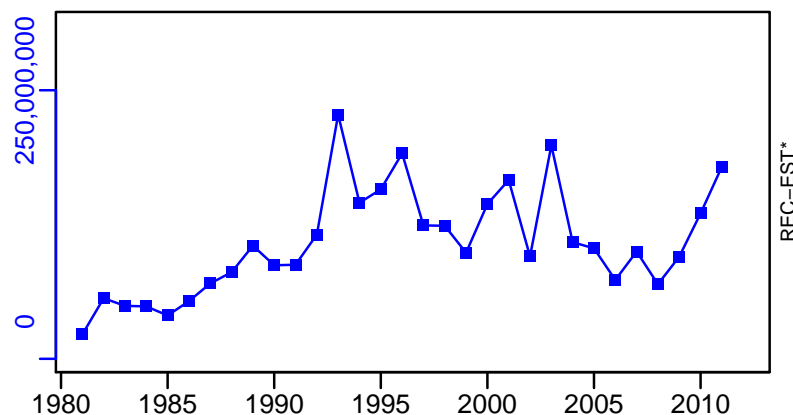
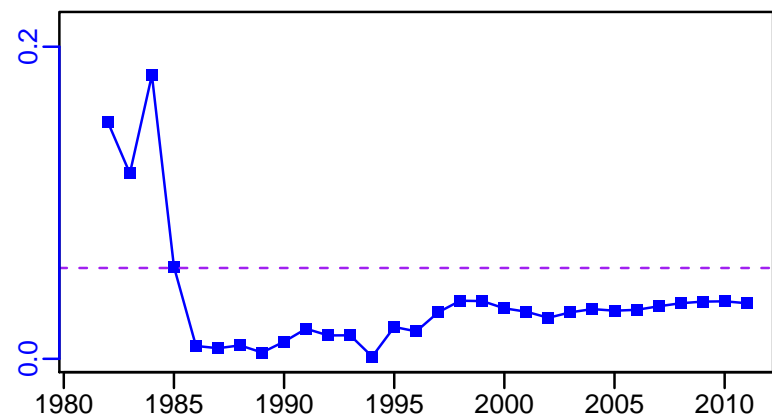
TN-E00 (1981-2012-HIVELY)

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



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

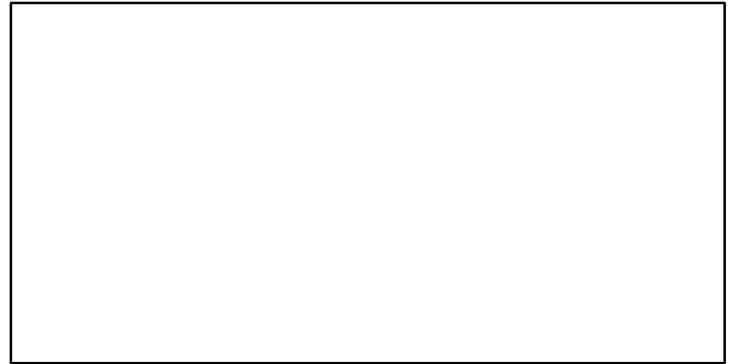
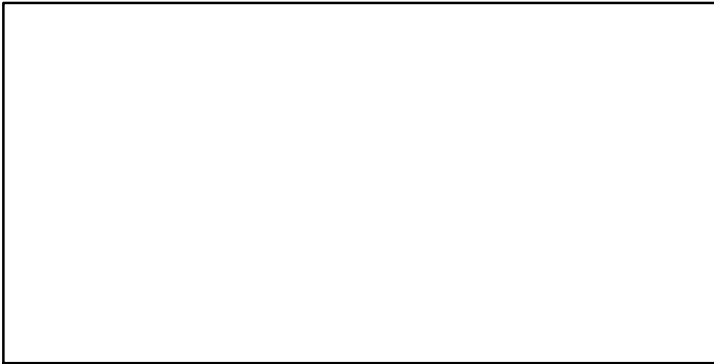
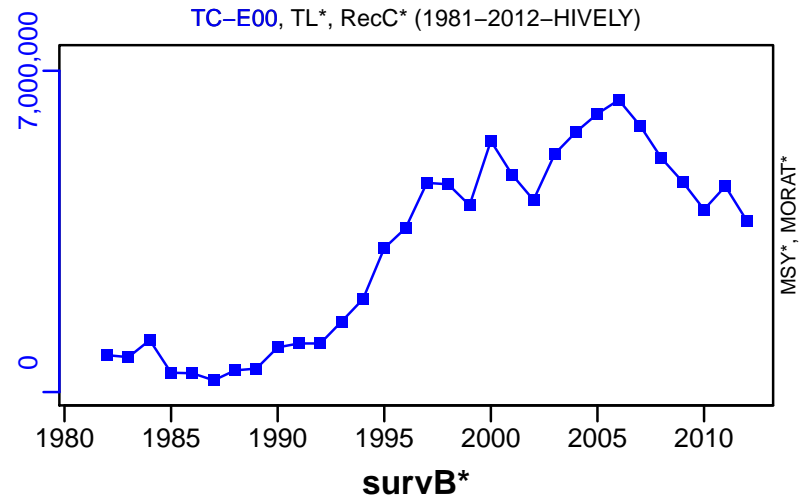
R-E00 (1981-2012-HIVELY)



Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]

TC-E00, TL*, RecC* (1981–2012–HIVELY)

TAC*, Cpair*, Cadv*



Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]

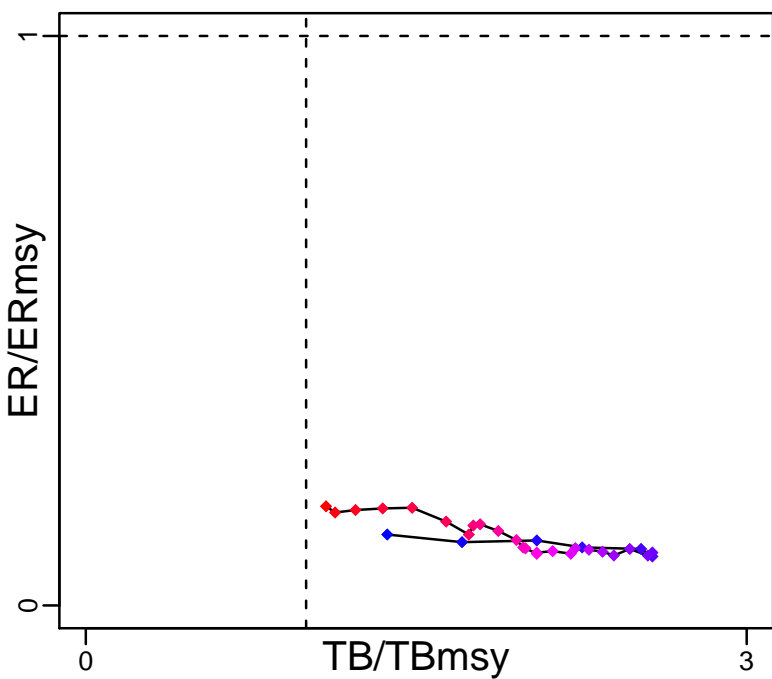
Metadata	
Scientific Name	Spisula solidissima
Current Assess ID	NEFSC-SURFMATLC-1982-2011-SISIMP2016
Area	Mid-Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2008, 2011

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	0.101
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	-	-	-

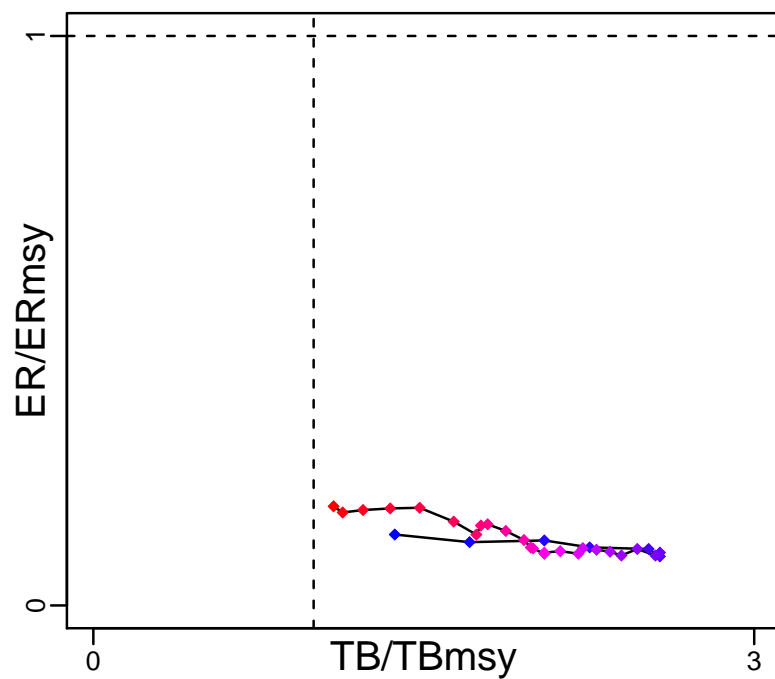
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	1,060,000	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-MT	2011	2,090,000	-	-
F	F-1/yr	2011	0.027	-	-
ER	ER-calc-ratio	2011	0.018	-	-
TC	TC-MT	2011	18,600		
TL	TL-MT	2008	22,500		
TB/TBmsy	TB-MT/TBmsy-MT	2011	1.091		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2011	0.18		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2011	0.174		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]

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



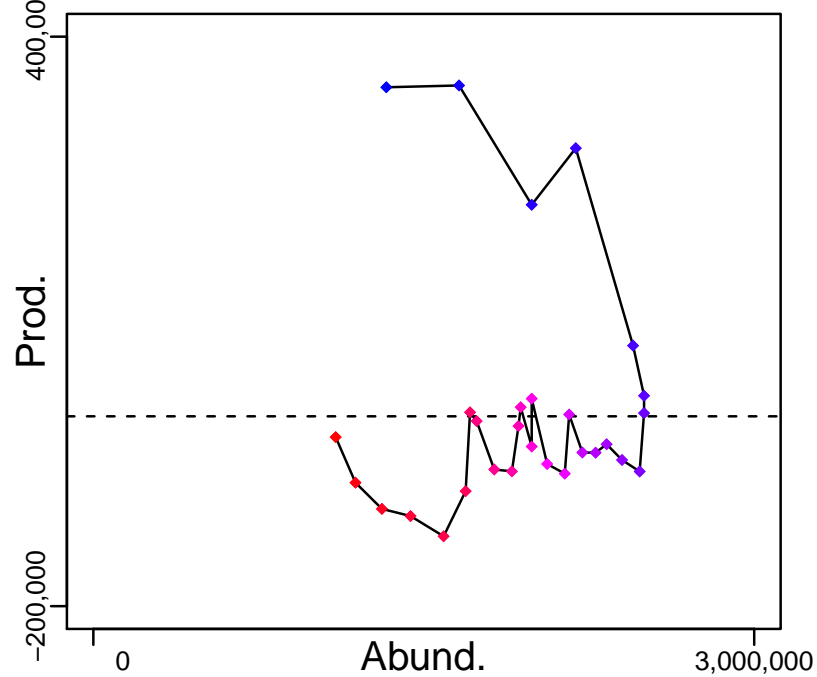
Kobe MGT_{pref} (1982–2011–SISIMP2016)



Spawner Recruit*



Production (1982–2011–SISIMP2016)

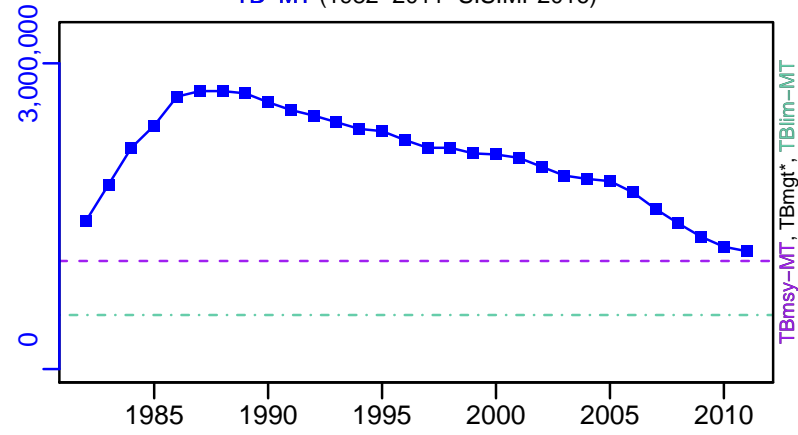


◆ Start Year ◆ End Year * No Data

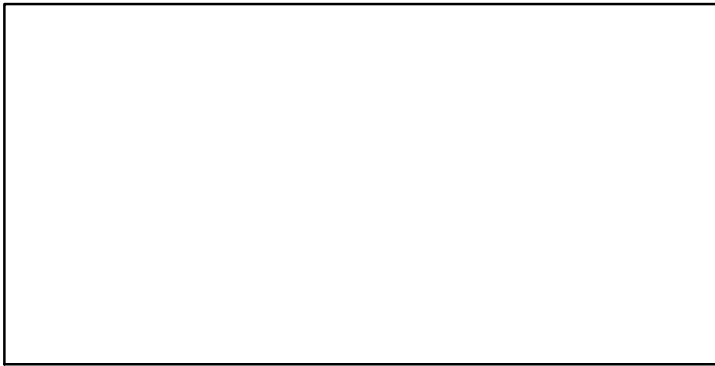
Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]

TB-MT (1982-2011-SISIMP2016)

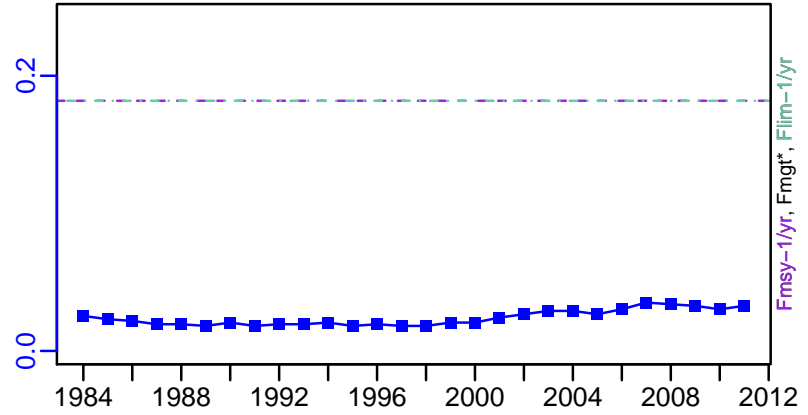
SSB*



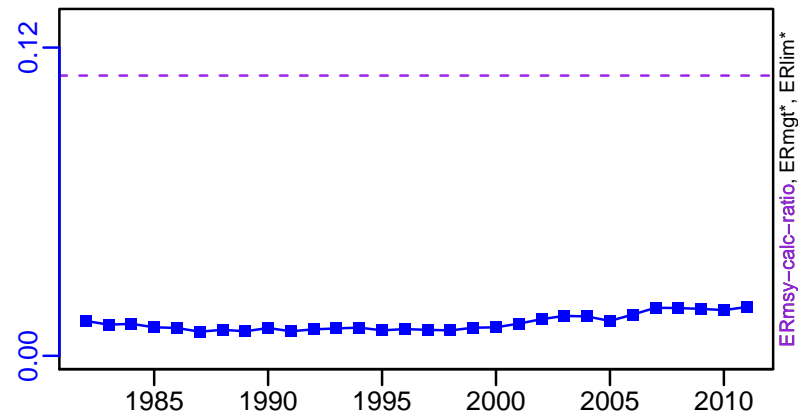
TN *



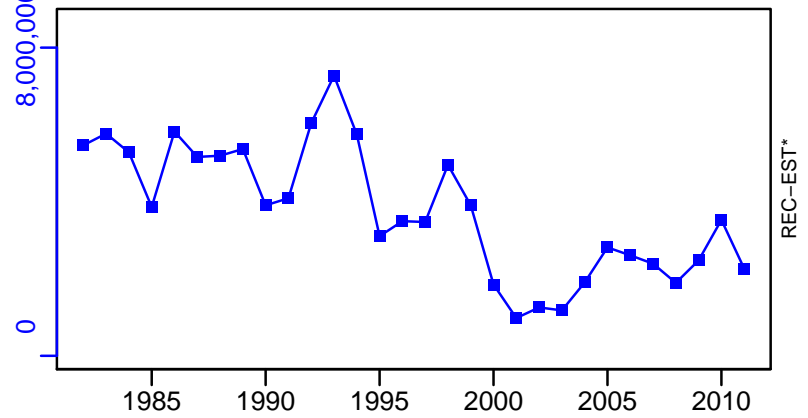
F-1/yr (1982-2011-SISIMP2016)



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

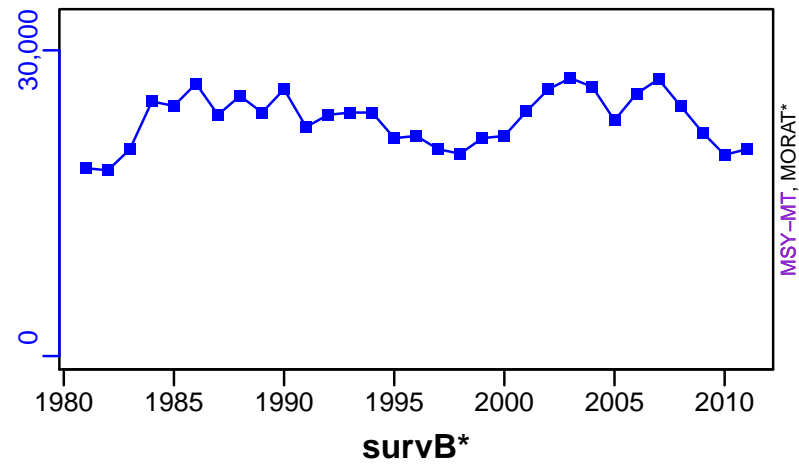


R-MT (1982-2011-SISIMP2016)



Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]

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



TAC*, Cpair*, Cadv*



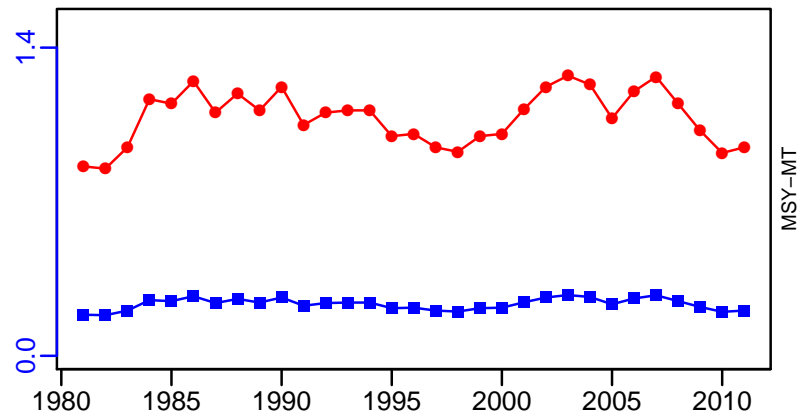
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1982-2011-SISIMP2016)



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

Tilefish Mid-Atlantic Coast [TILEMATLC]

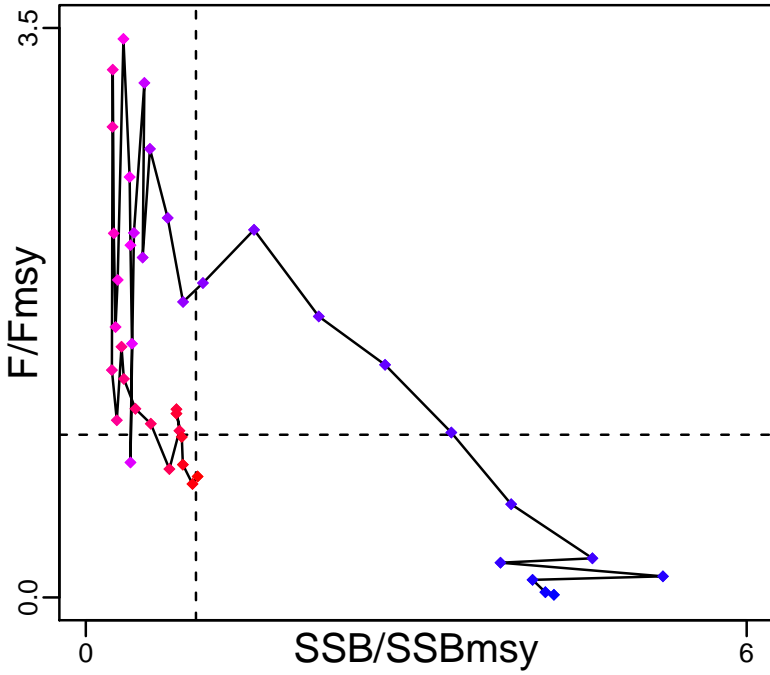
Metadata	
Scientific Name	Lopholatilus chamaeleonticeps
Current Assess ID	NEFSC-TILEMATLC-1915-2012-HIVELY
Area	Mid-Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2012

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	0.139
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2012	1029
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

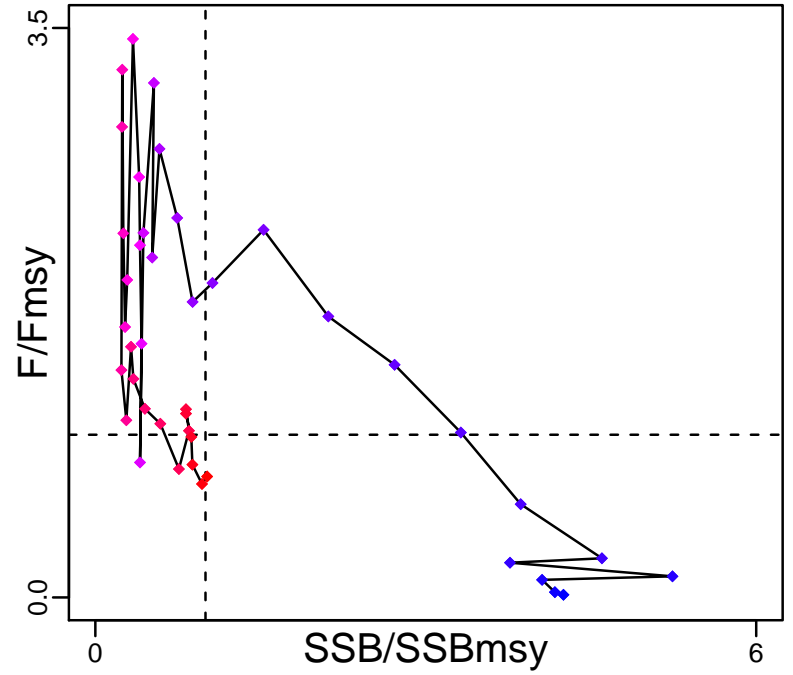
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	5230	-	-
TN	-	-	-	-	-
R	R-E00	2012	751,000	-	-
F	F-1/yr	2012	0.275	-	-
ER	ER-calc-ratio	2012	0.111	-	-
TC	-	-	-		
TL	TL-MT	2012	834		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2012	1.015		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2012	0.743		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2012	0.799		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Tilefish Mid-Atlantic Coast [TILEMATLC]

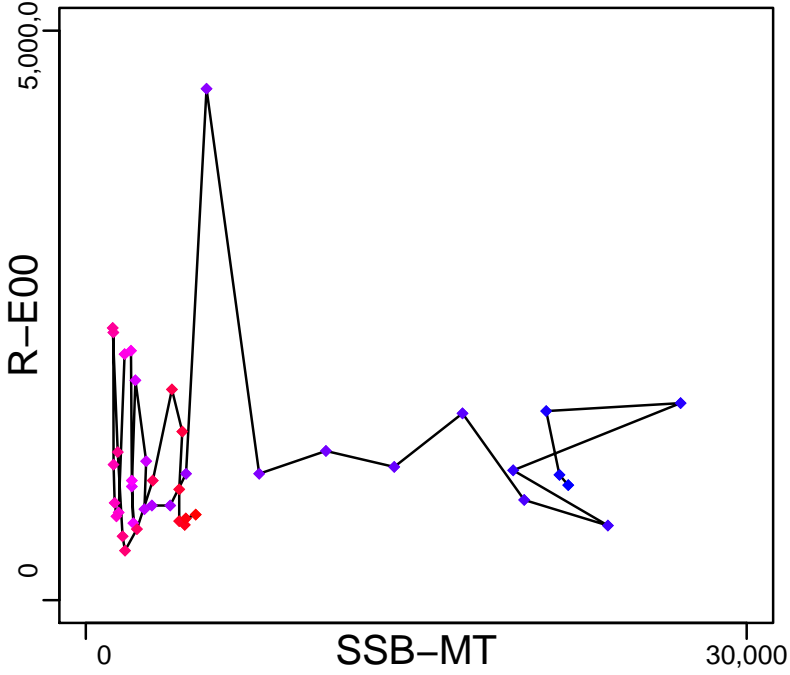
Kobe MSYpref (1915–2012–HIVELY)



Kobe MGTpref (1915–2012–HIVELY)



Spawner Recruit (1915–2012–HIVELY)



Production*



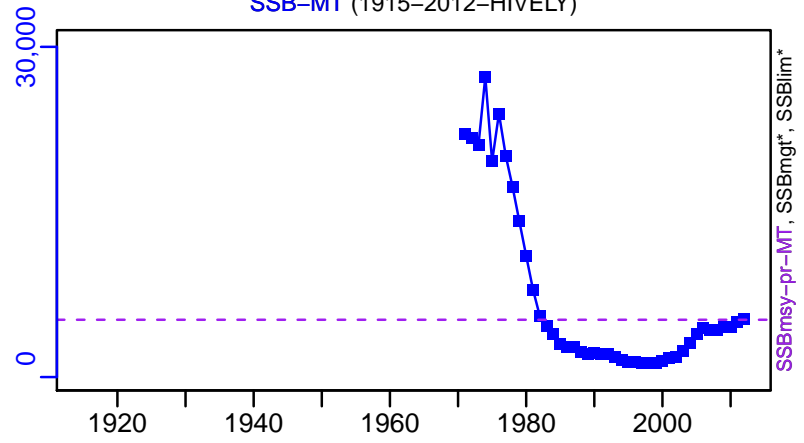
◆ Start Year ◆ End Year * No Data

Tilefish Mid-Atlantic Coast [TILEMATLC]

TB*



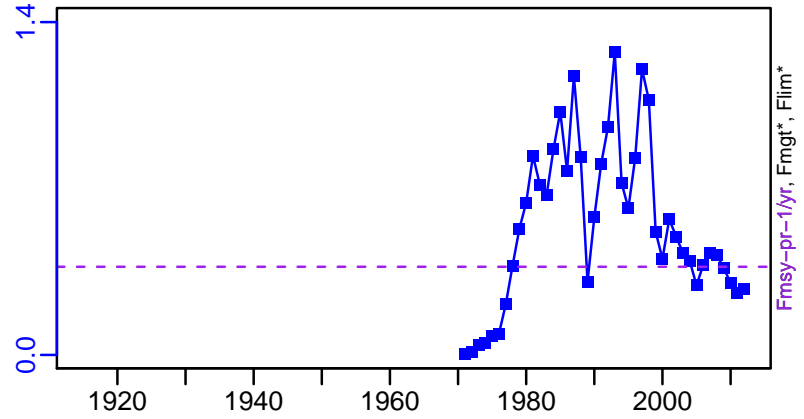
SSB-MT (1915-2012-HIVELY)



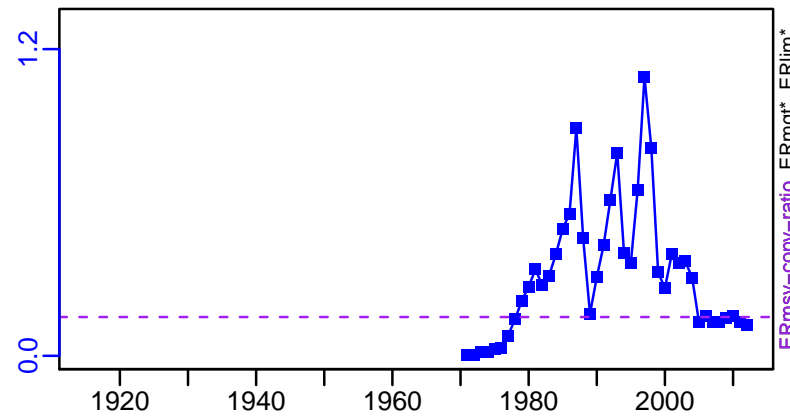
TN *



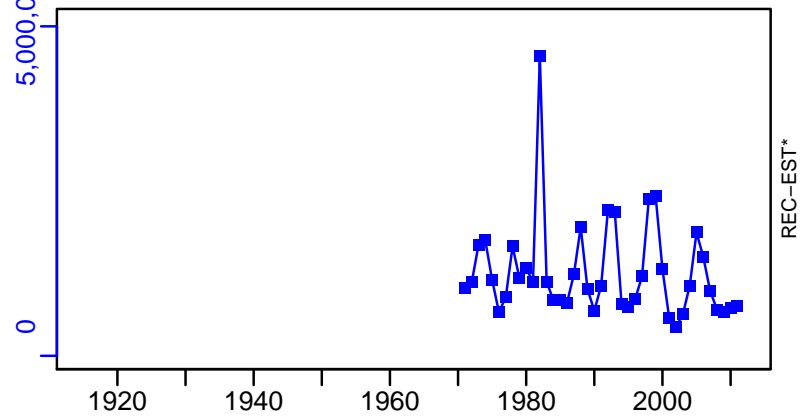
F-1/yr (1915-2012-HIVELY)



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



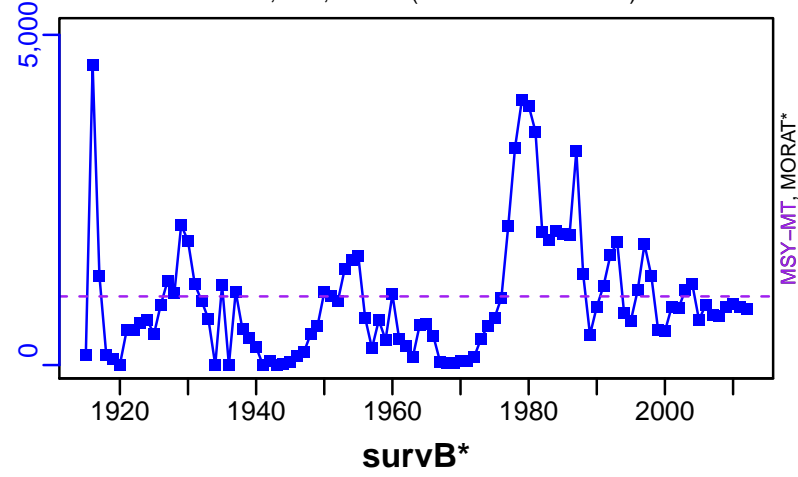
R-E00 (1915-2012-HIVELY)



Tilefish Mid-Atlantic Coast [TILEMATLC]

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

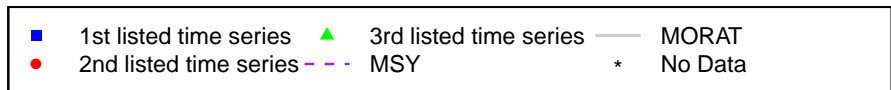
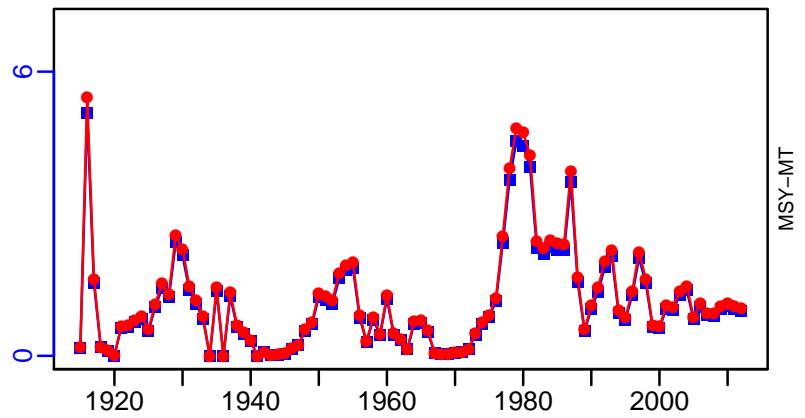
TAC*, Cpair*, Cadv*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1915-2012-HIVELY)



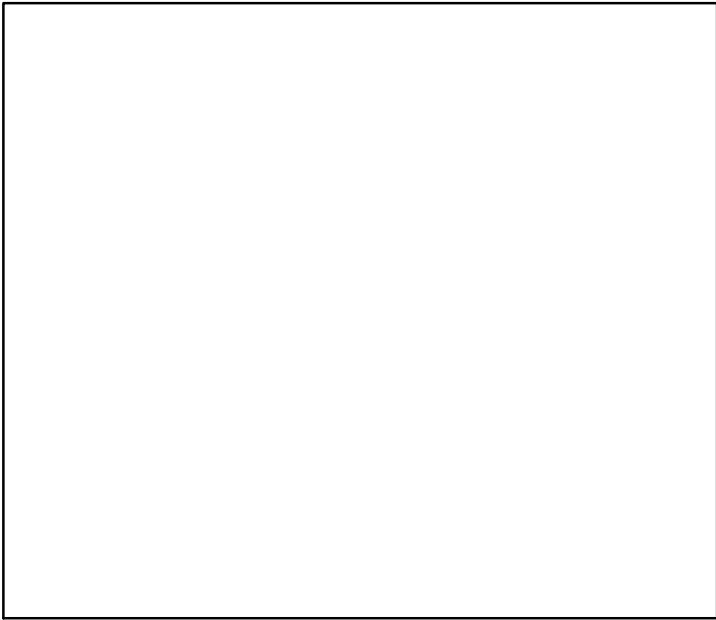
**Thorny skate Gulf of Maine / Georges Bank-Southern New England
[TSKAT5YZSNE]**

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

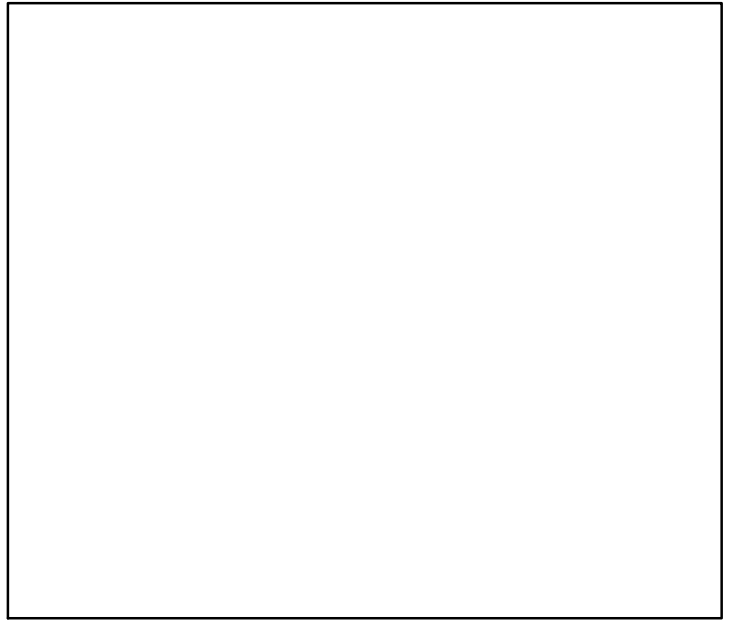
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2005	128		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

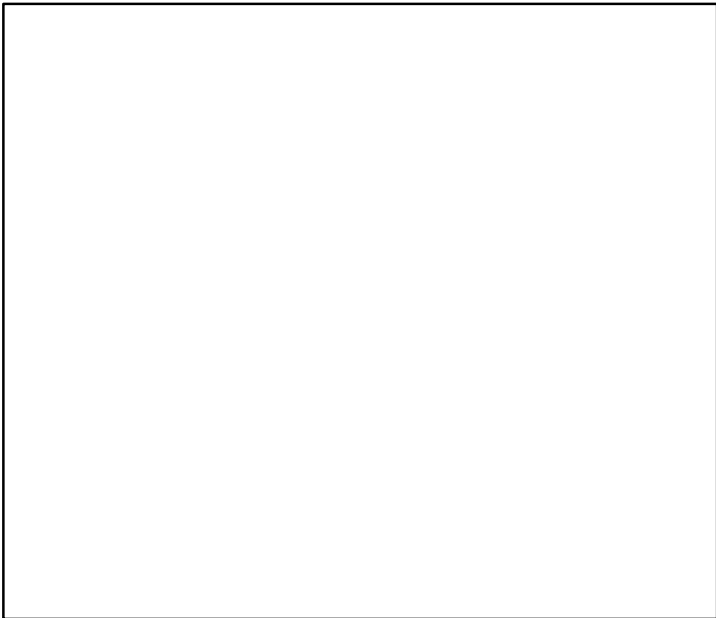
Kobe MSY*



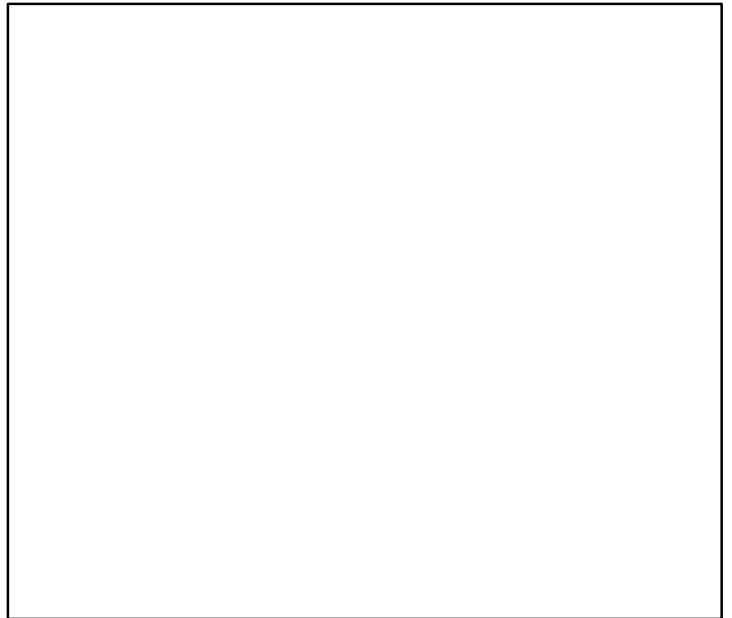
Kobe MGT*



Spawner Recruit*



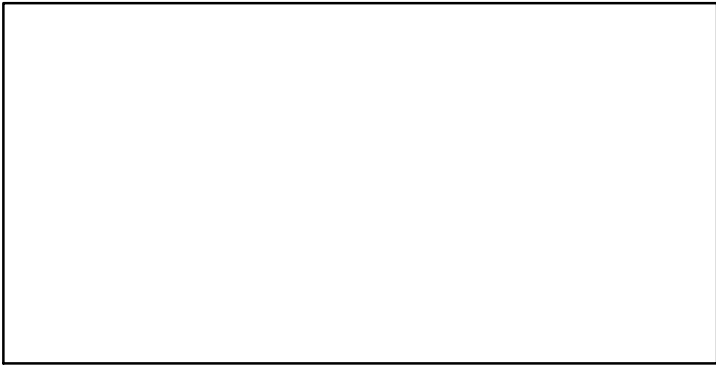
Production*



◆ Start Year ◆ End Year * No Data

Thorny skate Gulf of Maine / Georges Bank–Southern New England [TSKAT5YZSNE]

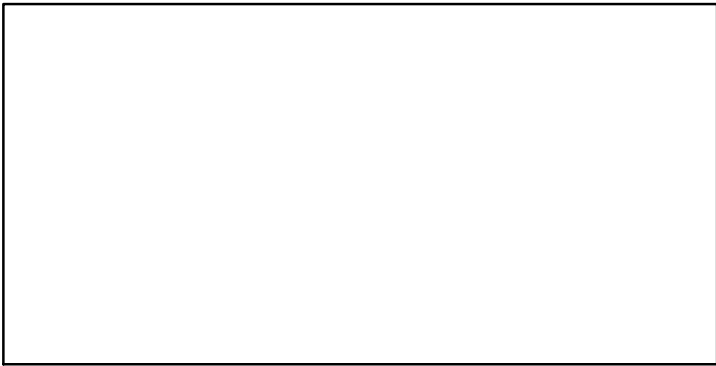
TB*



SSB*



TN *



F*



ER*



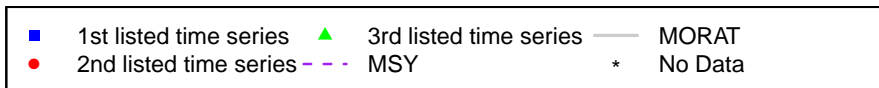
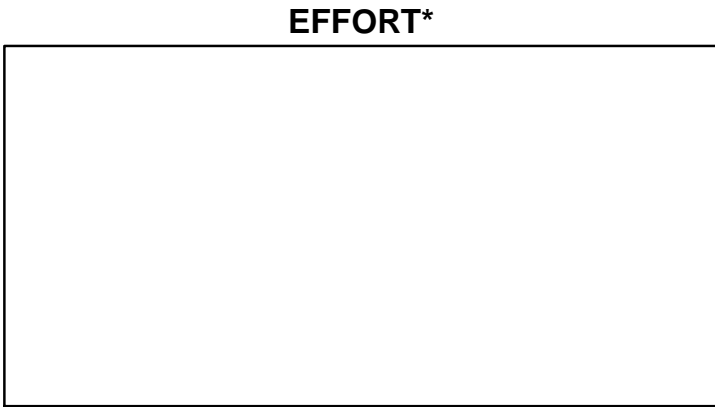
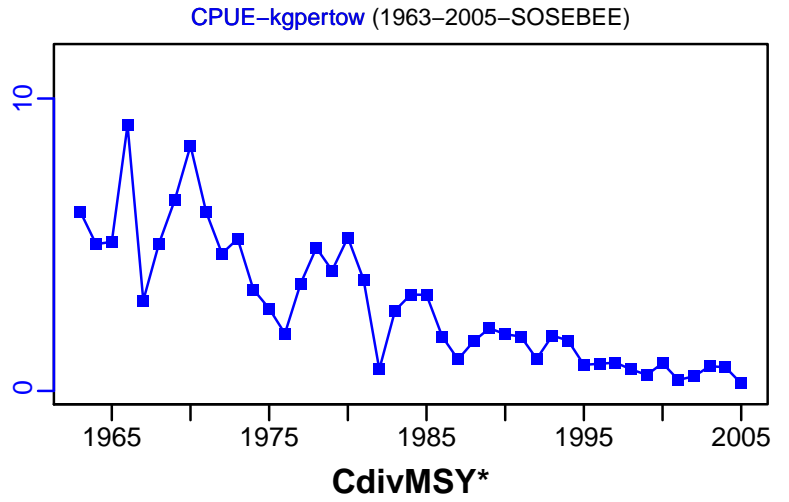
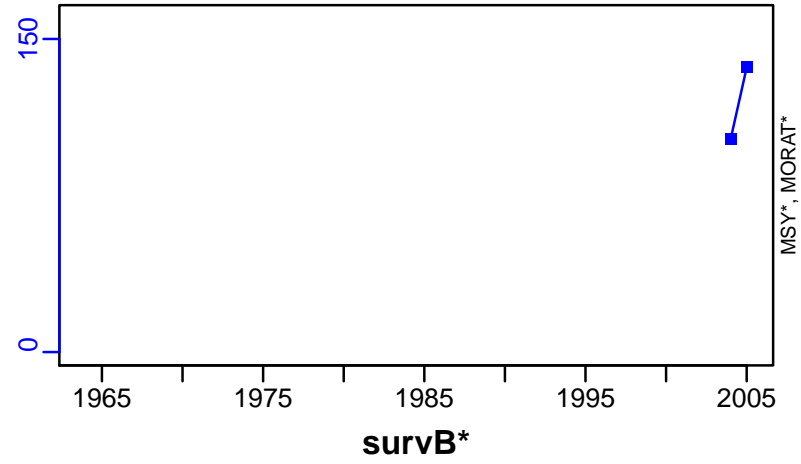
Recruits*



Thorny skate Gulf of Maine / Georges Bank–Southern New England [TSKAT5YZSNE]

TC–MT, TL*, RecC* (1963–2005–SOSEBEE)

TAC*, Cpair*, Cadv*



Weakfish Atlantic Coast [WEAKFISHATLC]

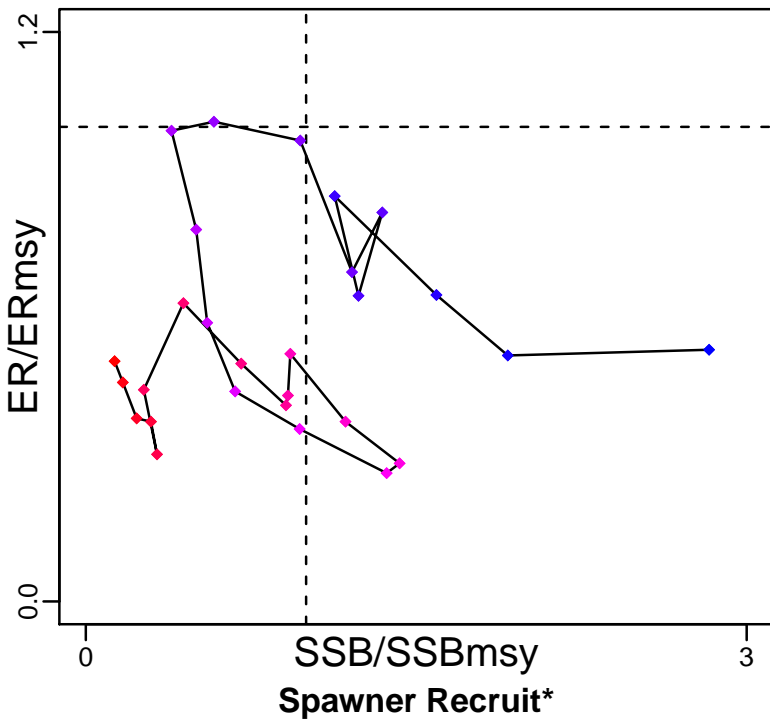
Metadata	
Scientific Name	Cynoscion regalis
Current Assess ID	NEFSC-WEAKFISHATLC-1981-2008-STANTON
Area	Atlantic Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2008

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-pr-MT	2008	10,179
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2008	0.581
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2008	6826
M	M-1/yr	2008	0.25
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

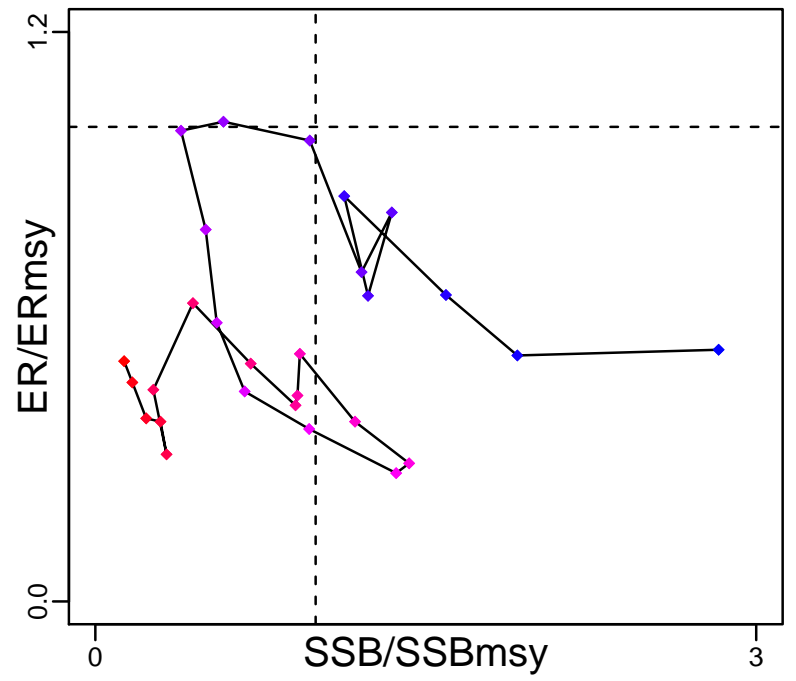
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2008	1330	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2008	0.294	-	-
TC	TC-MT	2008	899		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2008	0.131		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-est-ratio	2008	0.506		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Weakfish Atlantic Coast [WEAKFISHATLC]

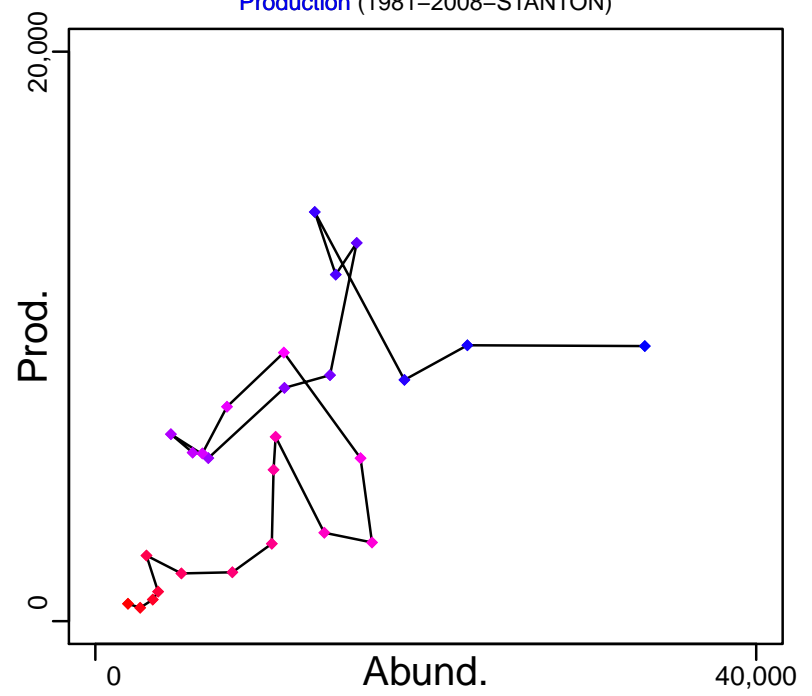
Kobe MSYpref (1981–2008–STANTON)



Kobe MGTpref (1981–2008–STANTON)



Production (1981–2008–STANTON)



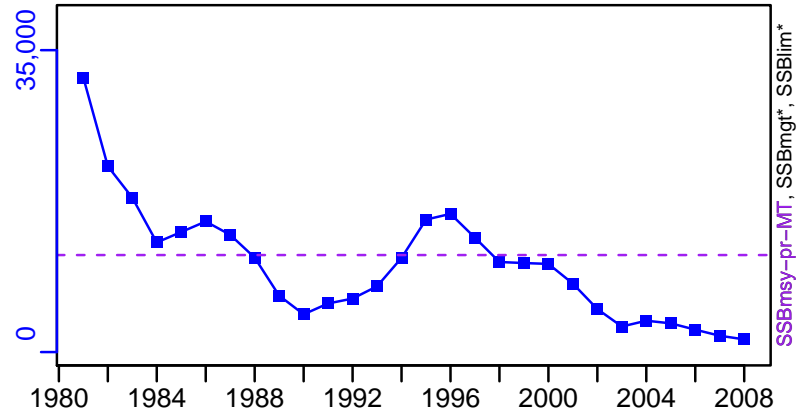
◆ Start Year ◆ End Year * No Data

Weakfish Atlantic Coast [WEAKFISHATLC]

TB*



SSB-MT (1981-2008-STANTON)



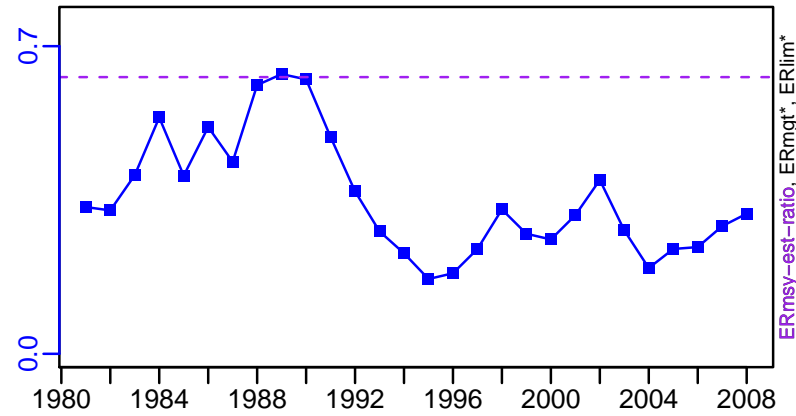
TN *



F*



ER-ratio (1981-2008-STANTON)

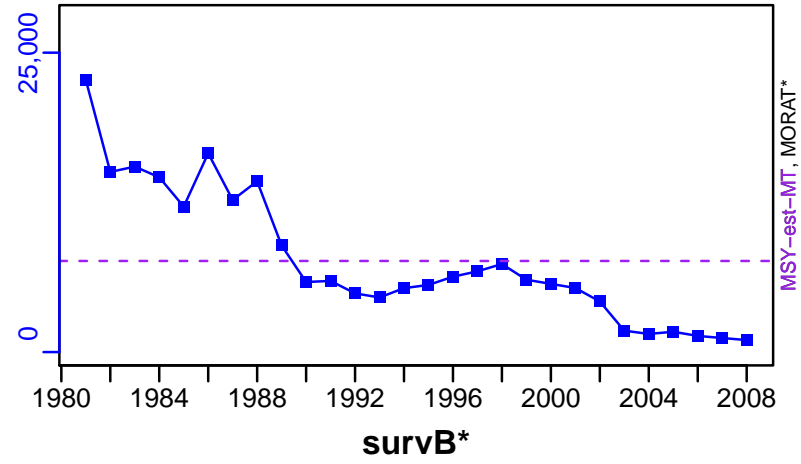


Recruits*



Weakfish Atlantic Coast [WEAKFISHATLC]

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



TAC*, Cpair*, Cadv*



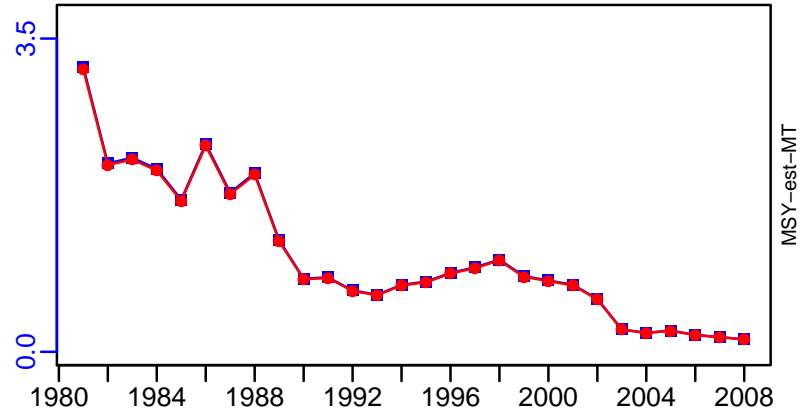
CPUE*



EFFORT*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (1981-2008-STANTON)



White hake Gulf of Maine / Georges Bank [WHAKEGBGOM]

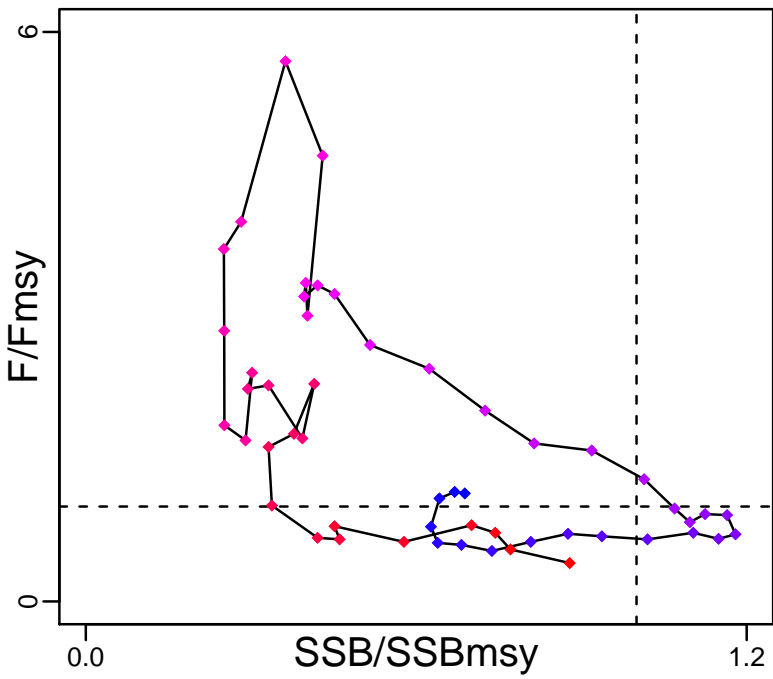
Metadata	
Scientific Name	Urophycis tenuis
Current Assess ID	NEFSC-WHAKEGBGOM-1963-2014-SISIMP2016
Area	Gulf of Maine / Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	32,550
Fmsy	Fmsy-1/yr	2014	0.188
ERmsy	ERmsy-conv-ratio	2014	0.131
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	0.188
ERlim	-	-	-

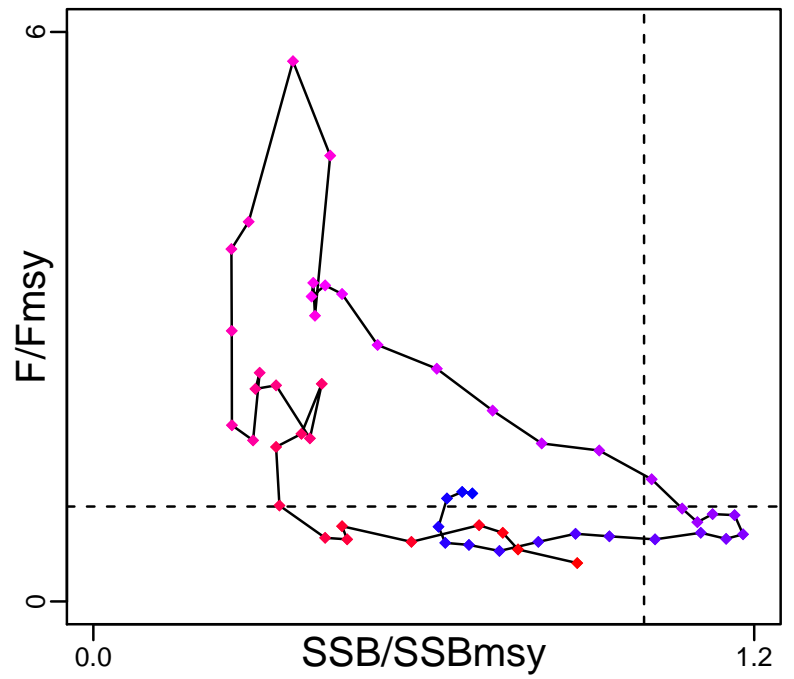
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	31,200	-	-
SSB	SSB-MT	2014	28,600	Both	-
TN	-	-	-	-	-
R	R-E00	2014	1,340,000	-	1
F	F-1/yr	2014	0.076	-	6 to 9+
ER	ER-calc-ratio	2014	0.055	-	-
TC	TC-MT	2014	2010		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.879		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.404		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.422		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

White hake Gulf of Maine / Georges Bank [WHAKEGBGOM]

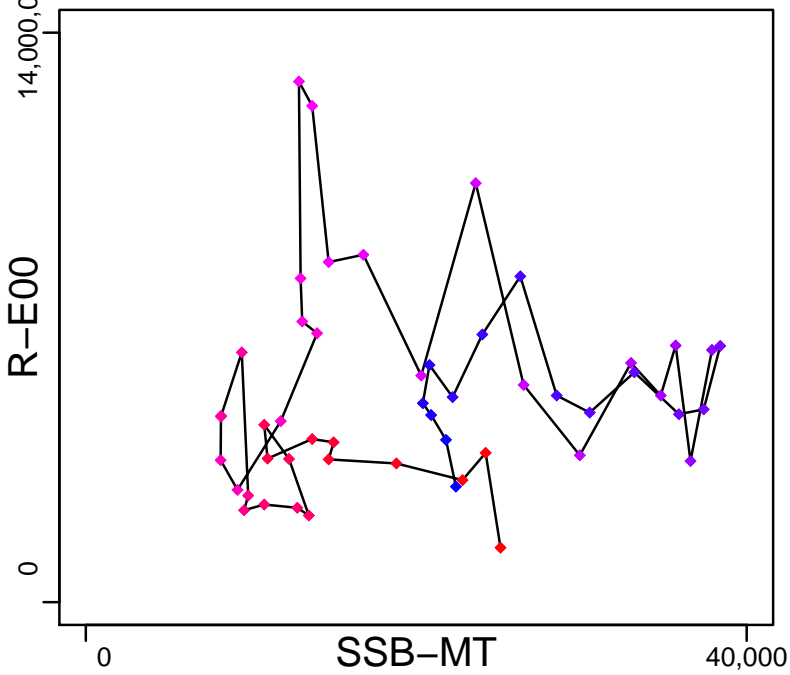
Kobe MSYpref (1963–2014–SISIMP2016)



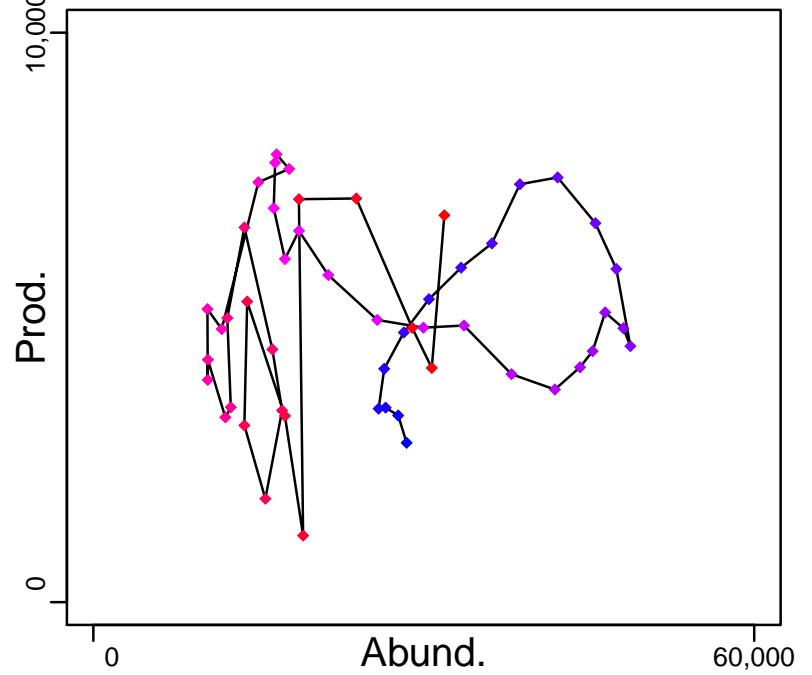
Kobe MGTpref (1963–2014–SISIMP2016)



Spawner Recruit (1963–2014–SISIMP2016)



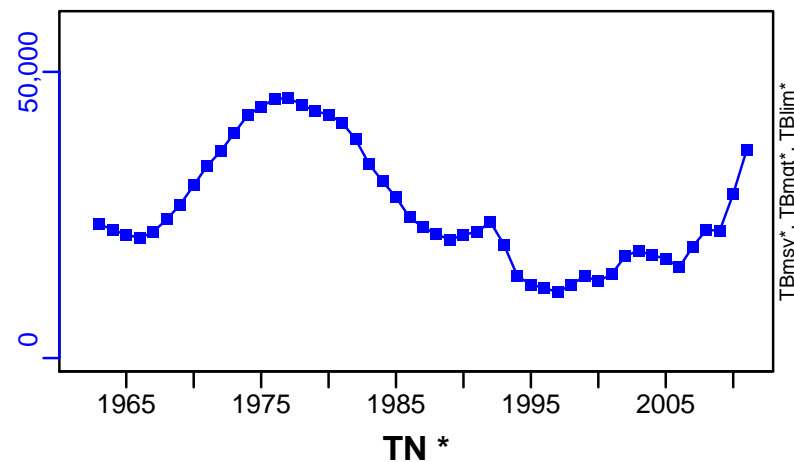
Production (1963–2014–SISIMP2016)



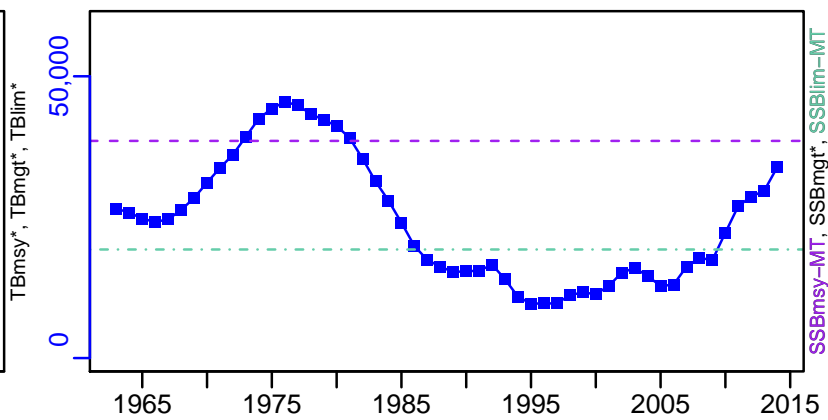
◆ Start Year ◆ End Year * No Data

White hake Gulf of Maine / Georges Bank [WHAKEGBGOM]

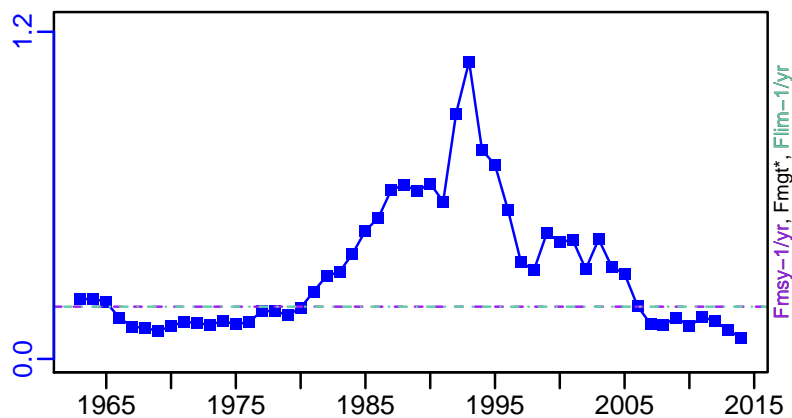
TB-MT (1962–2011–HIVELY)



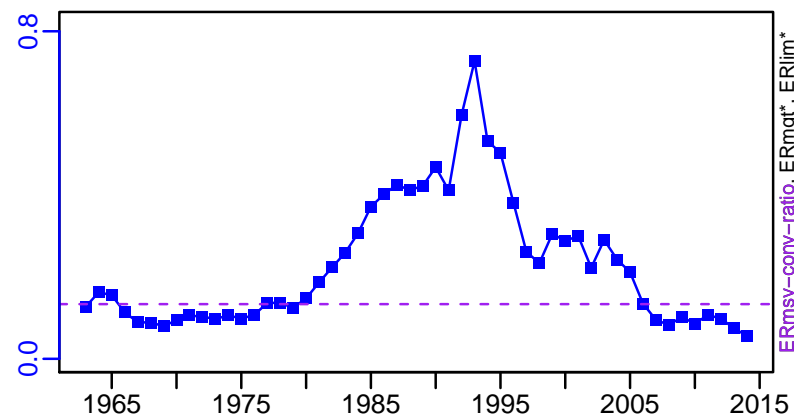
SSB-MT (1963–2014–SISIMP2016)



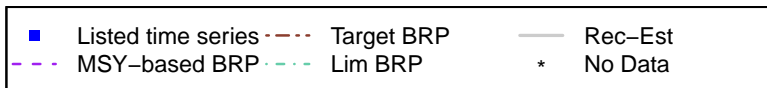
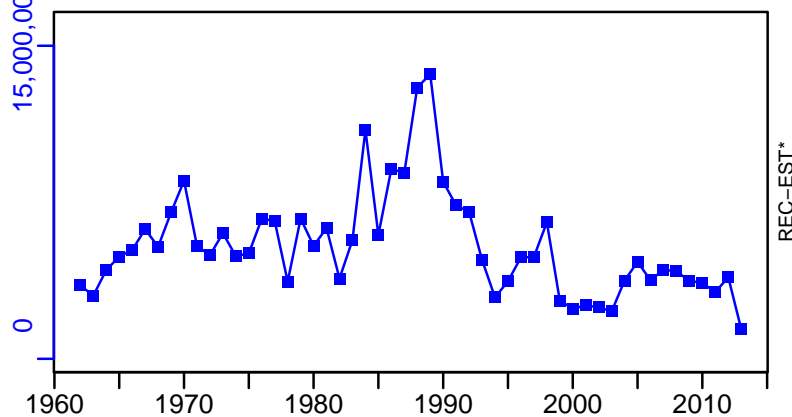
F-1/yr (1963–2014–SISIMP2016)



ER-calc-ratio (1963–2014–SISIMP2016)

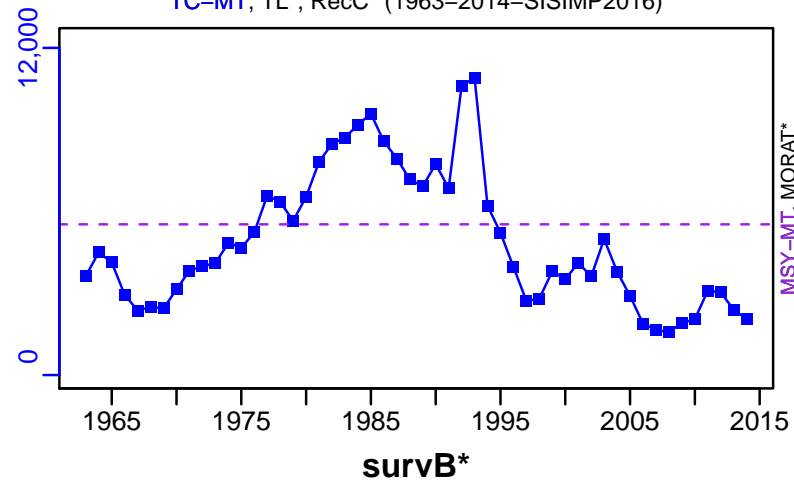


R-E00 (1963–2014–SISIMP2016)



White hake Gulf of Maine / Georges Bank [WHAKEGBGOM]

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



TAC*, Cpair*, Cadv*



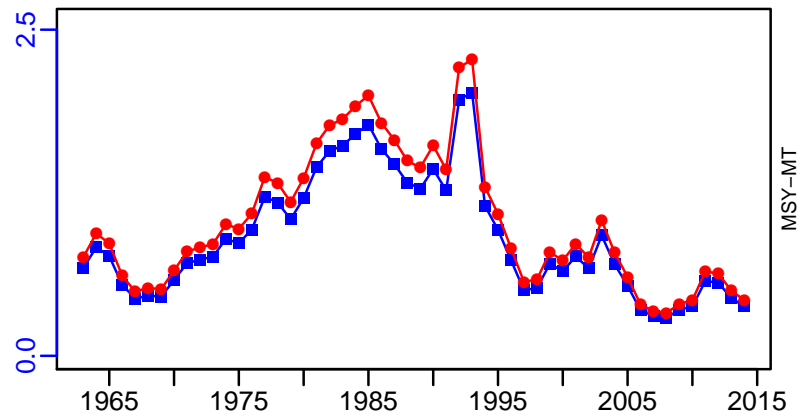
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1963–2014–SISIMP2016)



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

Windowpane flounder Gulf of Maine / Georges Bank [WINDOWGOMGB]

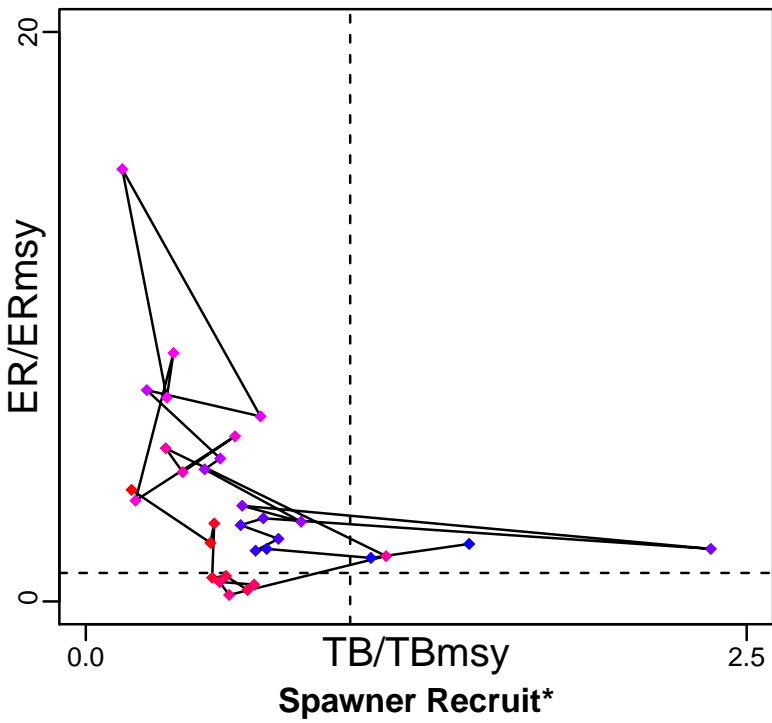
Metadata	
Scientific Name	Scophthalmus aquosus
Current Assess ID	NEFSC-WINDOWGOMGB-1975-2014-SISIMP2016
Area	Gulf of Maine / Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2007, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2007	1400
SSBmsy	SSBmsy-conv-MT	2007	593
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	-	-	-

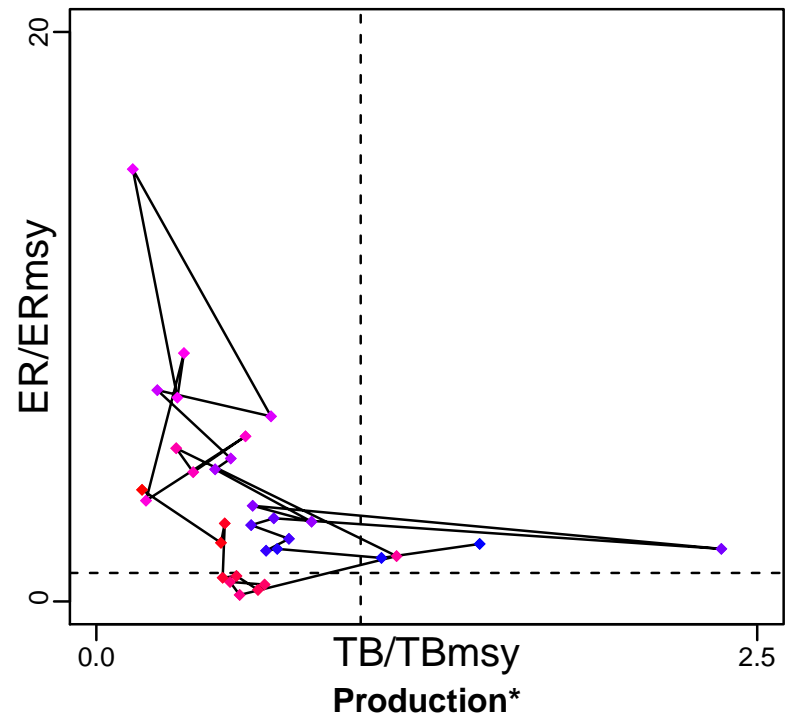
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-relative	2007	0.242	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2007	1.96	-	-
TC	TC-MT	2014	210		
TL	TL-MT	2007	119		
TB/TBmsy	TB-relative/TBmsy-relative	2007	0.173		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	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)

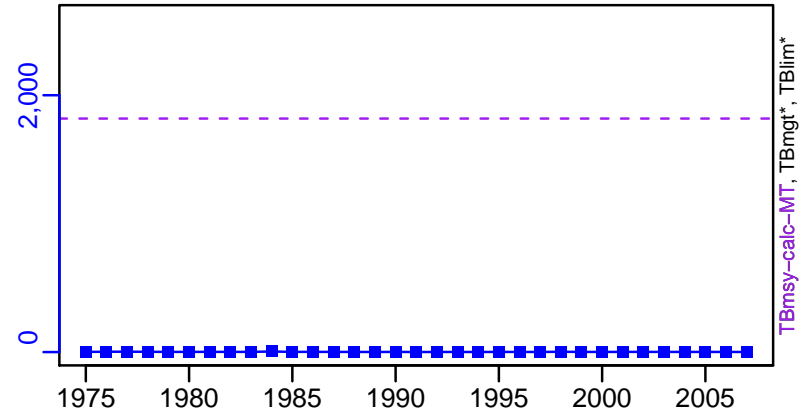


◆ Start Year ◆ End Year * No Data

Windowpane flounder Gulf of Maine / Georges Bank [WINDOWGOMGB]

TB-relative (1975–2007–HENDRICKSON)

SSB*



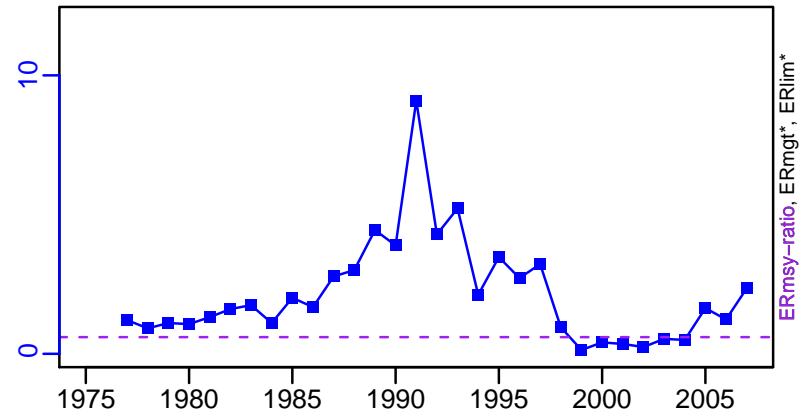
TN *

F*



ER-ratio (1975–2007–HENDRICKSON)

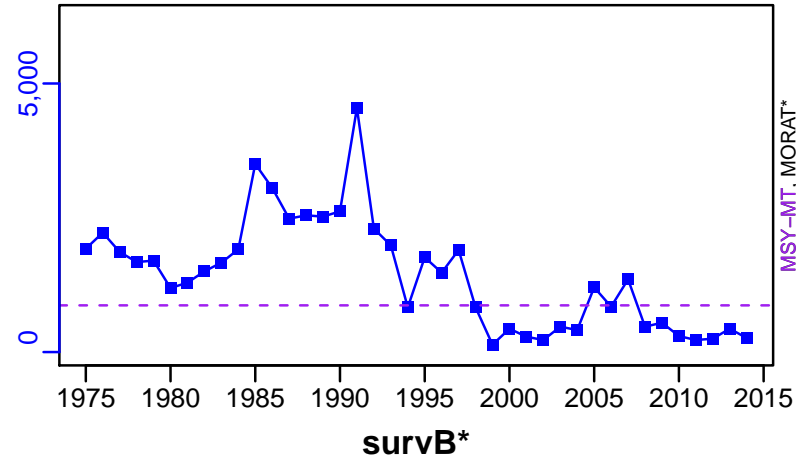
Recruits*



Windowpane flounder Gulf of Maine / Georges Bank [WINDOWGOMGB]

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

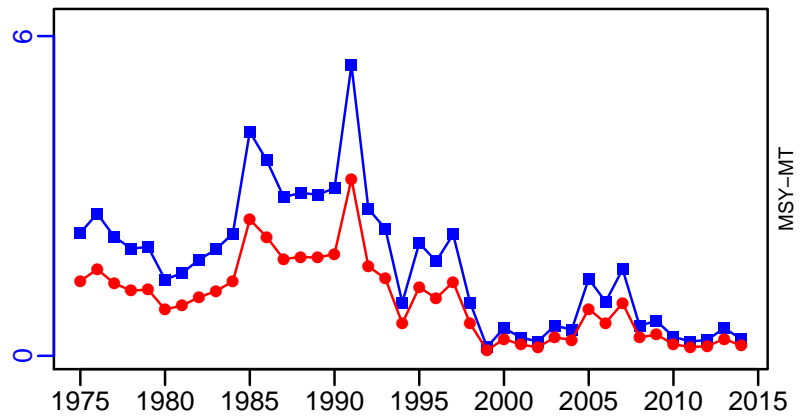
TAC*, Cpair*, Cadv*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1975–2014–SISIMP2016)



Windowpane flounder Southern New England /Mid Atlantic [WINDOWSNEMATL]

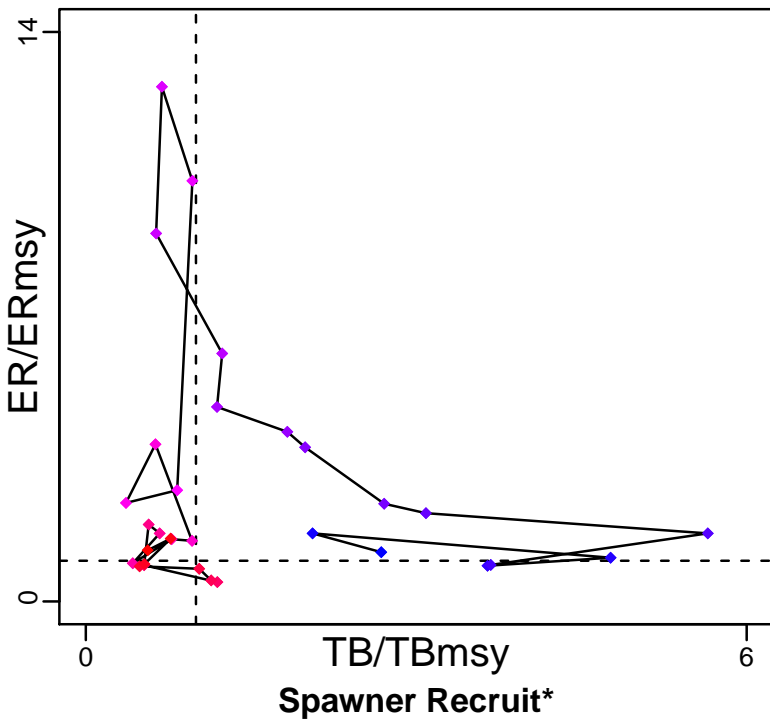
Metadata	
Scientific Name	Scophthalmus aquosus
Current Assess ID	NEFSC-WINDOWSNEMATL-1975-2014-SISIMP2016
Area	Southern New England /Mid Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2007, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2007	340
SSBmsy	SSBmsy-conv-MT	2007	143
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	-	-	-

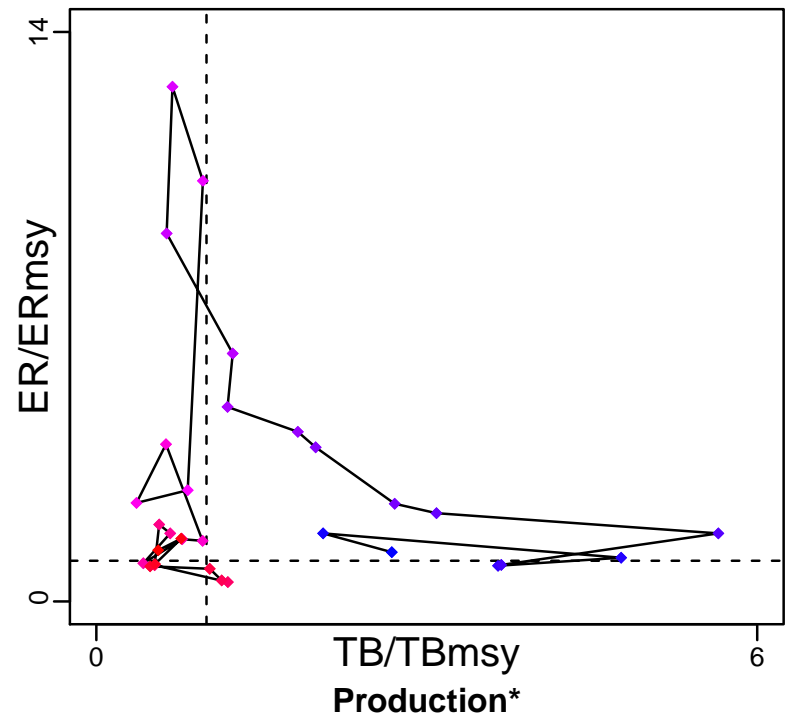
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-relative	2007	0.191	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2007	1.85	-	-
TC	TC-MT	2014	539		
TL	TL-MT	2007	81		
TB/TBmsy	TB-relative/TBmsy-relative	2007	0.562		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	1.259		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Windowpane flounder Southern New England /Mid Atlantic [WINDOWSNEMATL]

Kobe MSYpref (1975–2007–HENDRICKSON)



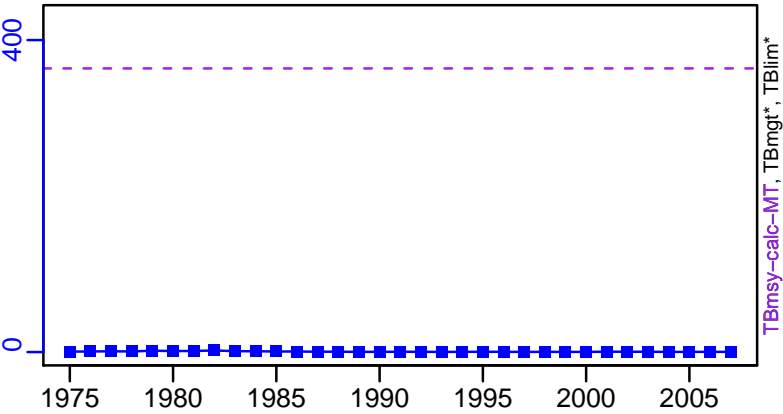
Kobe MGTpref (1975–2007–HENDRICKSON)



◆ Start Year ◆ End Year * No Data

Windowpane flounder Southern New England /Mid Atlantic [WINDOWSNEMATL]

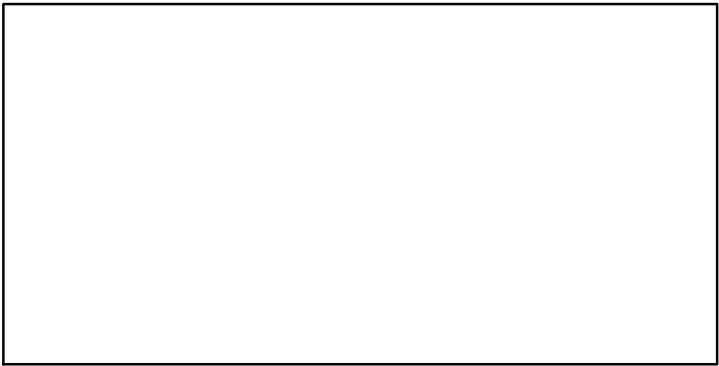
TB-relative (1975–2007–HENDRICKSON)



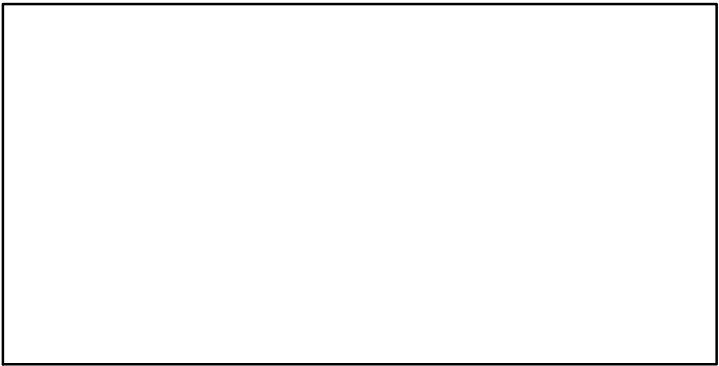
SSB*



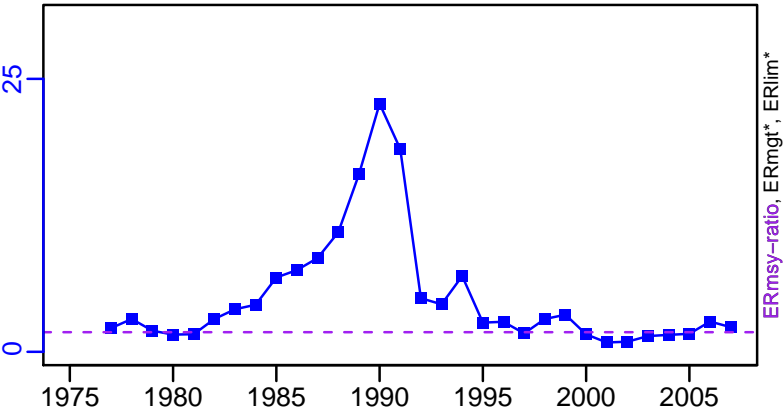
TN *



F*



ER-ratio (1975–2007–HENDRICKSON)

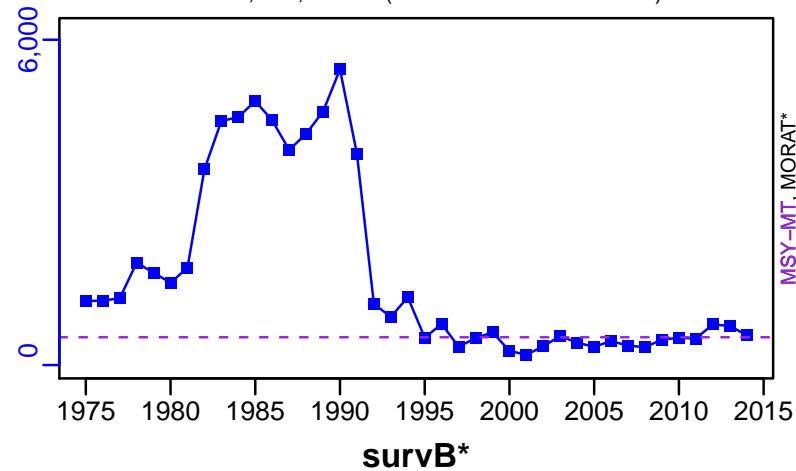


Recruits*



Windowpane flounder Southern New England /Mid Atlantic [WINDOWSNEMATL]

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



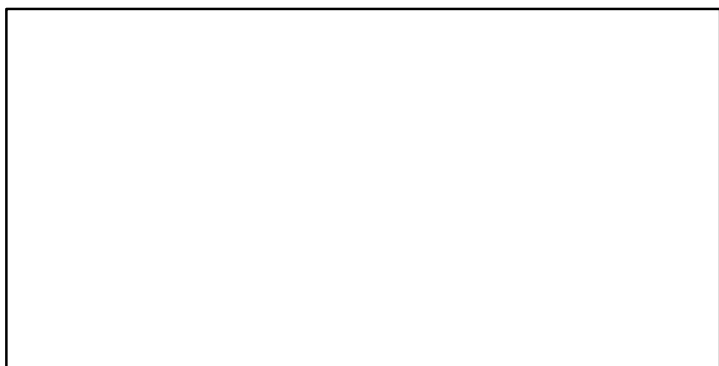
TAC*, Cpair*, Cadv*



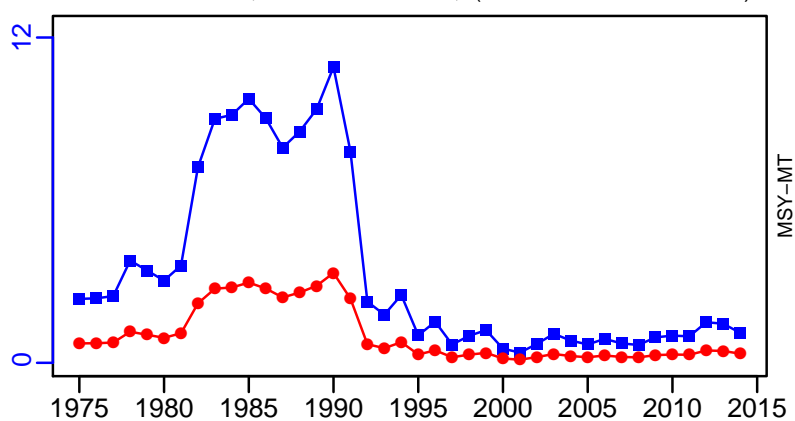
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1975-2014-SISIMP2016)



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

Winter flounder Georges Bank [WINFLOUN5Z]

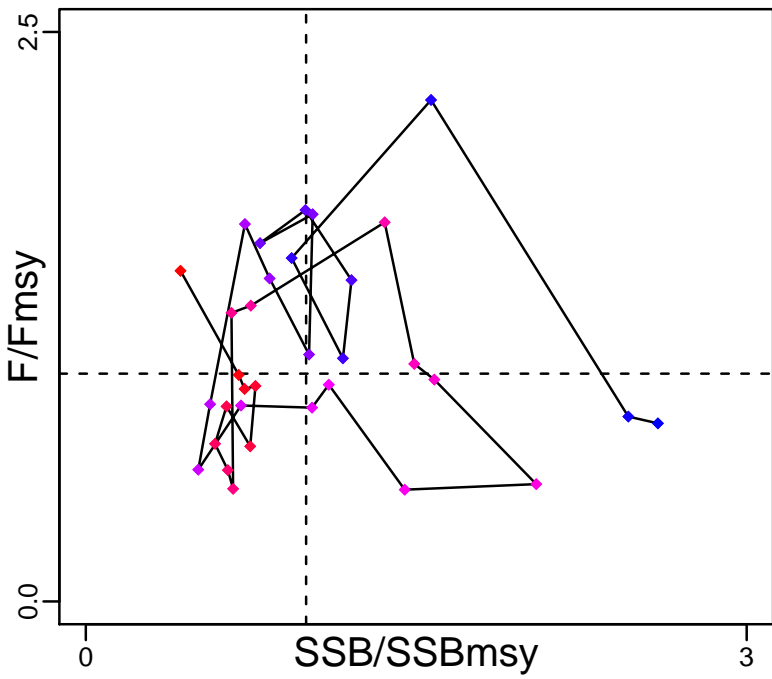
Metadata	
Scientific Name	Pseudopleuronectes americanus
Current Assess ID	NEFSC-WINFLOUN5Z-1982-2014-SISIMP2016
Area	Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	6700
Fmsy	Fmsy-1/yr	2014	0.536
ERmsy	ERmsy-conv-ratio	2014	0.153
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2011	11,800
Fmgt	Fmgt-1/yr	2011	0.315
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	2840
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	3350
Flim	Flim-1/yr	2014	0.536
ERlim	-	-	-

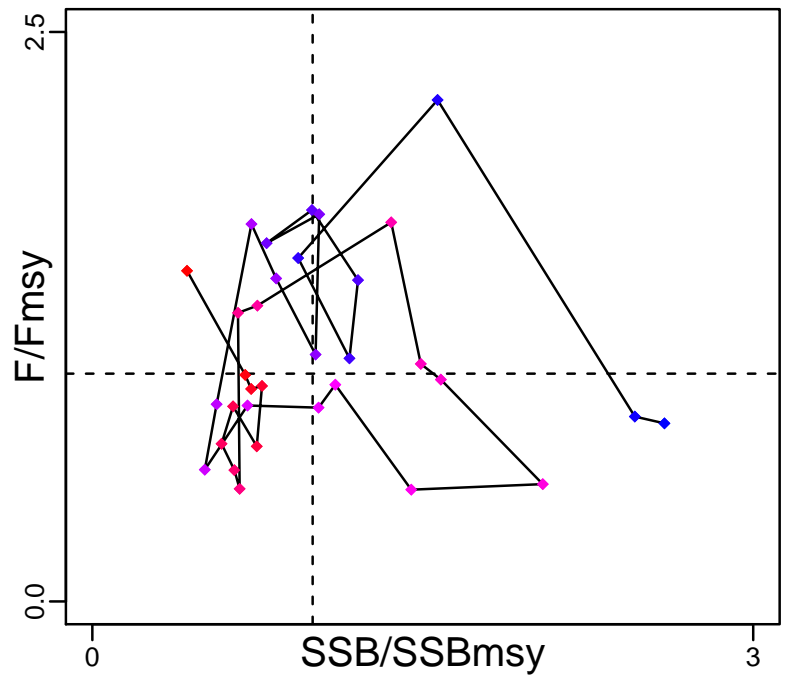
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	2880	-	-
TN	TN-E00	2011	38,600,000	-	-
R	R-E00	2014	6,580,000	-	1
F	F-1/yr	2014	0.778	-	-
ER	ER-calc-ratio	2014	0.153	-	-
TC	TC-MT	2014	1220		
TL	TL-MT	2011	1300		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.43		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	1.451		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	0.999		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2011	0.822		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	0.489		
ER/ERmgt	-	-	-		

Winter flounder Georges Bank [WINFLOUN5Z]

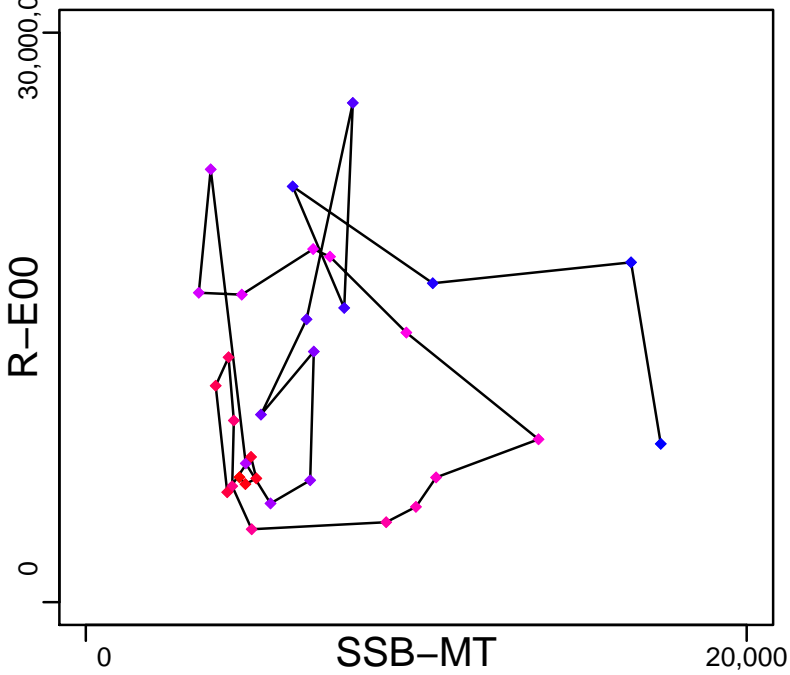
Kobe MSYpref (1982–2014–SISIMP2016)



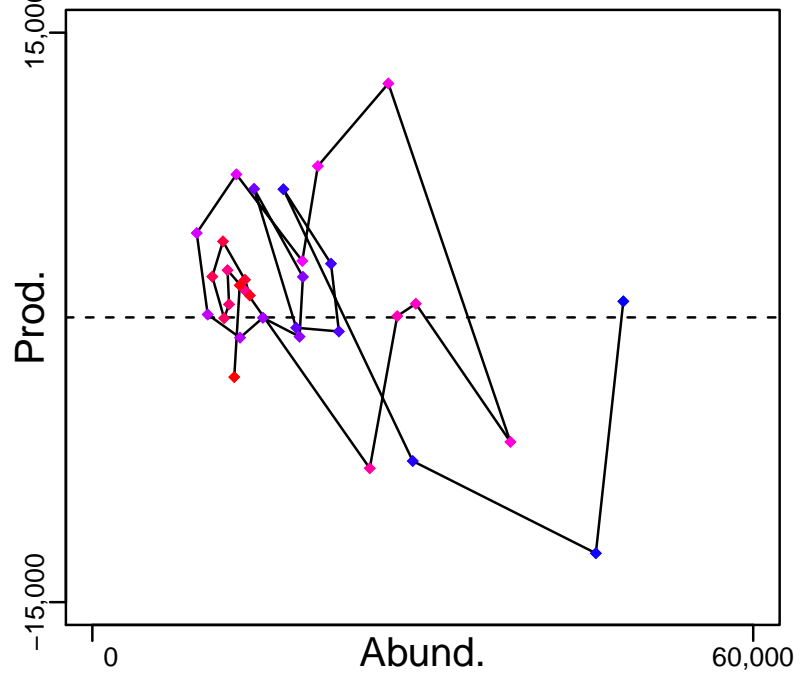
Kobe MGTpref (1982–2014–SISIMP2016)



Spawner Recruit (1982–2014–SISIMP2016)



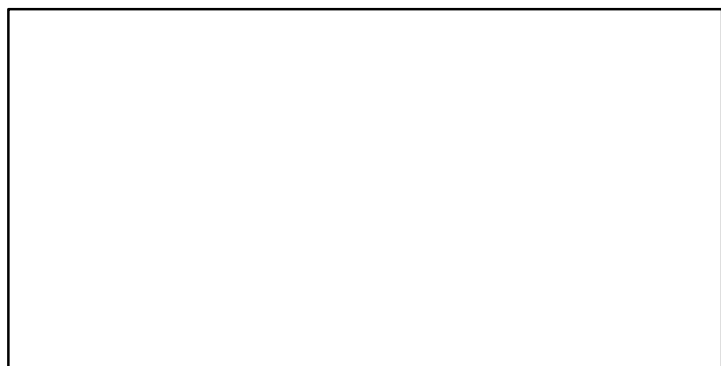
Production (1982–2014–SISIMP2016)



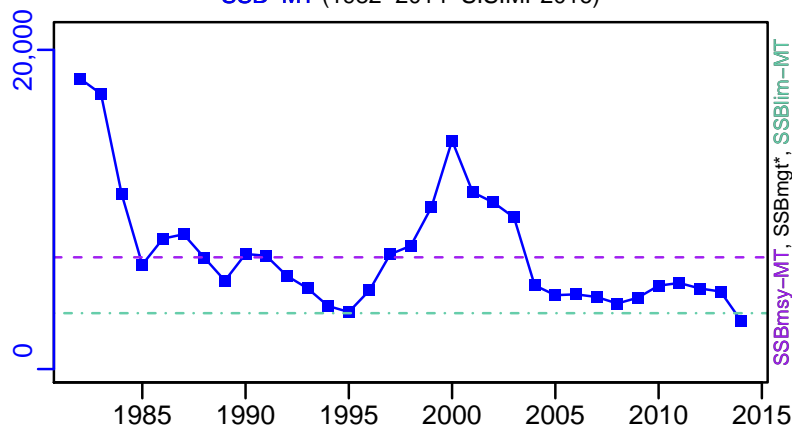
◆ Start Year ◆ End Year * No Data

Winter flounder Georges Bank [WINFLOUN5Z]

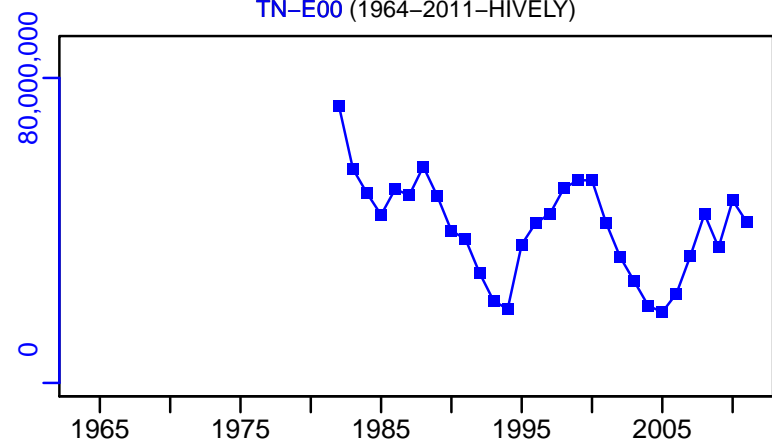
TB*



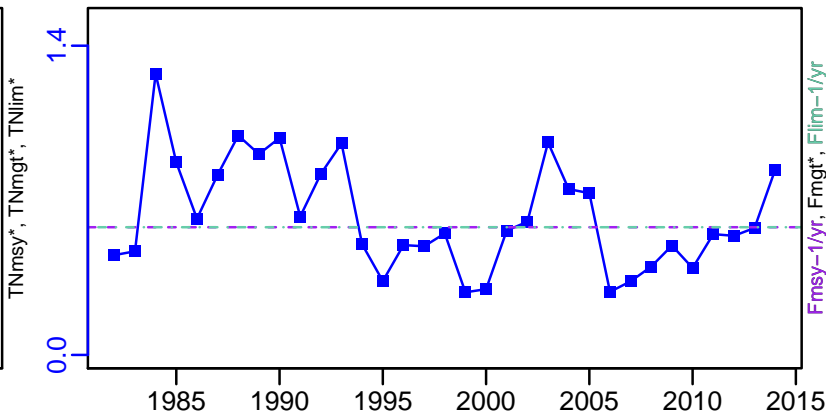
SSB-MT (1982-2014-SISIMP2016)



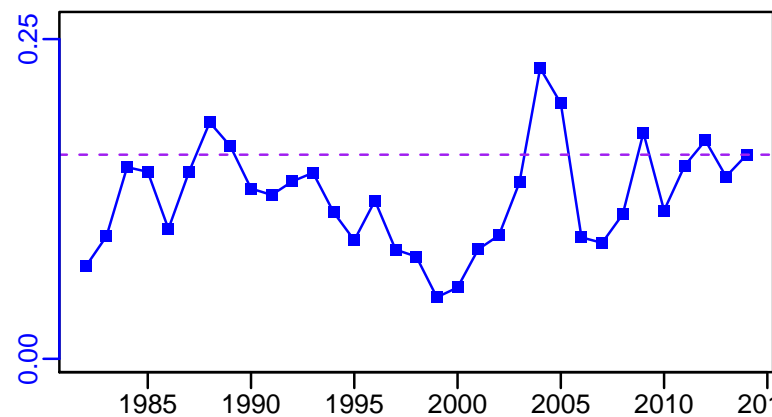
TN-E00 (1964-2011-HIVELY)



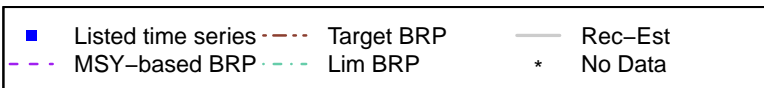
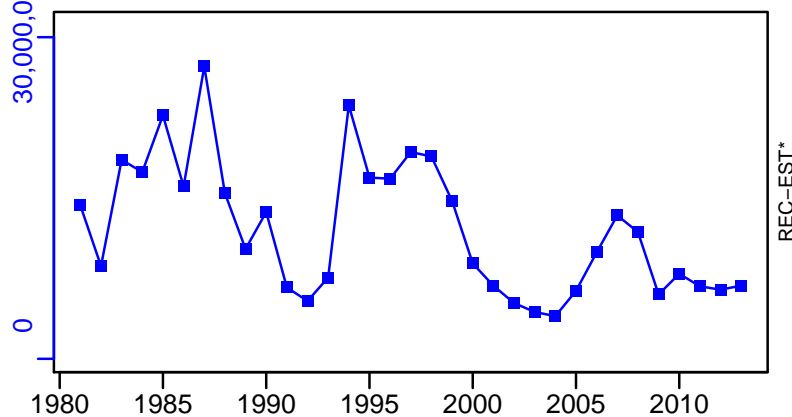
F-1/yr (1982-2014-SISIMP2016)



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

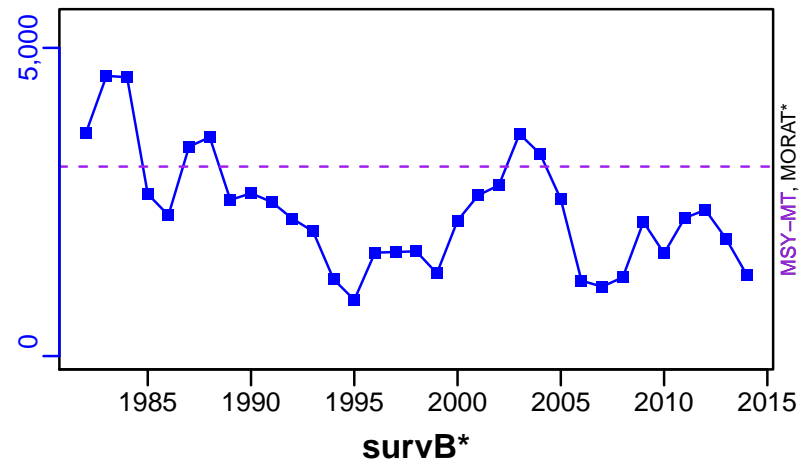


R-E00 (1982-2014-SISIMP2016)



Winter flounder Georges Bank [WINFLOUN5Z]

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



TAC*, Cpair*, Cadv*



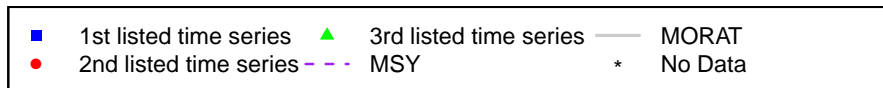
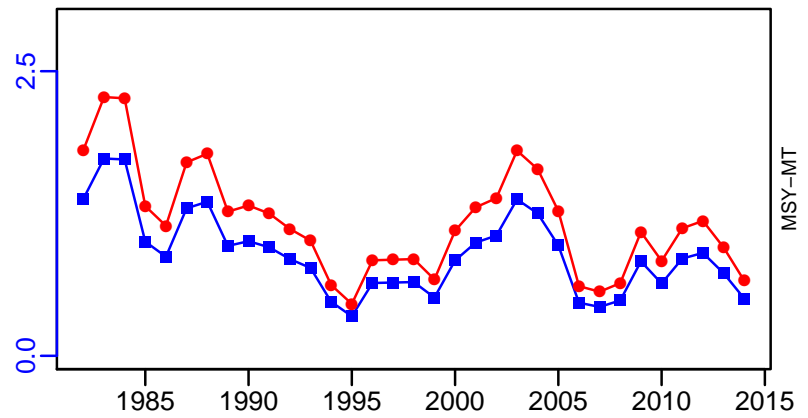
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1982-2014-SISIMP2016)



Winter flounder Gulf of Maine [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 Gulf of Maine [WINFLOUND5Y]

TB*



SSB*



TN *



F*



ER*

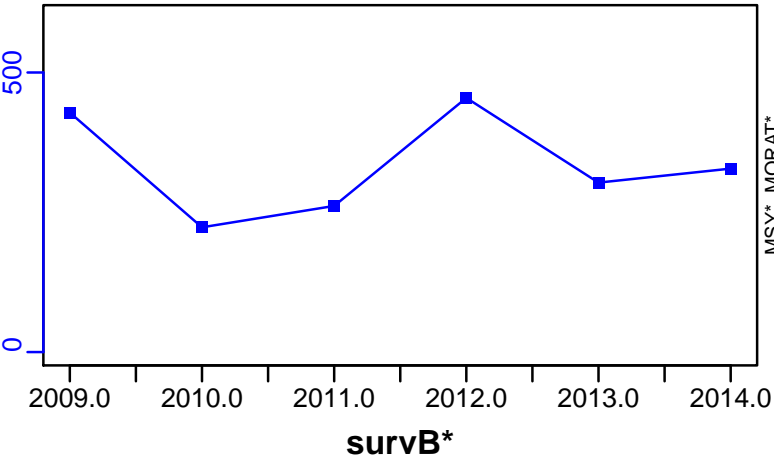


Recruits*



Winter flounder Gulf of Maine [WINFLOUND5Y]

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



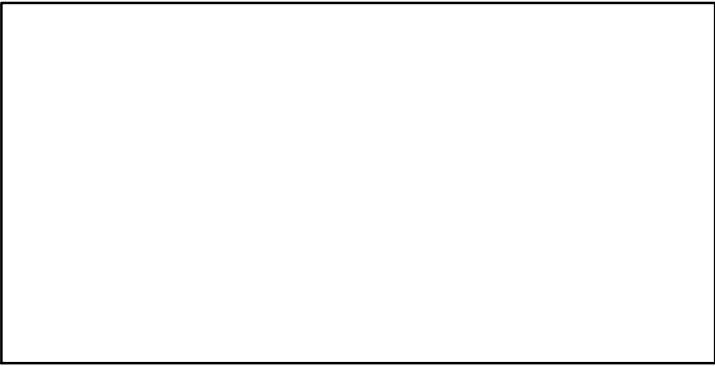
TAC*, Cpair*, Cadv*



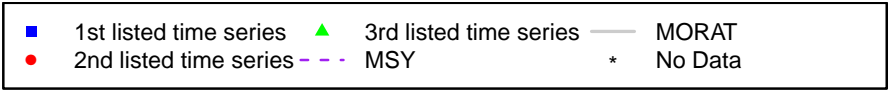
CPUE*



EFFORT*



CdivMSY*



Winter flounder Southern New England /Mid Atlantic [WINFLOUNSNEMATL]

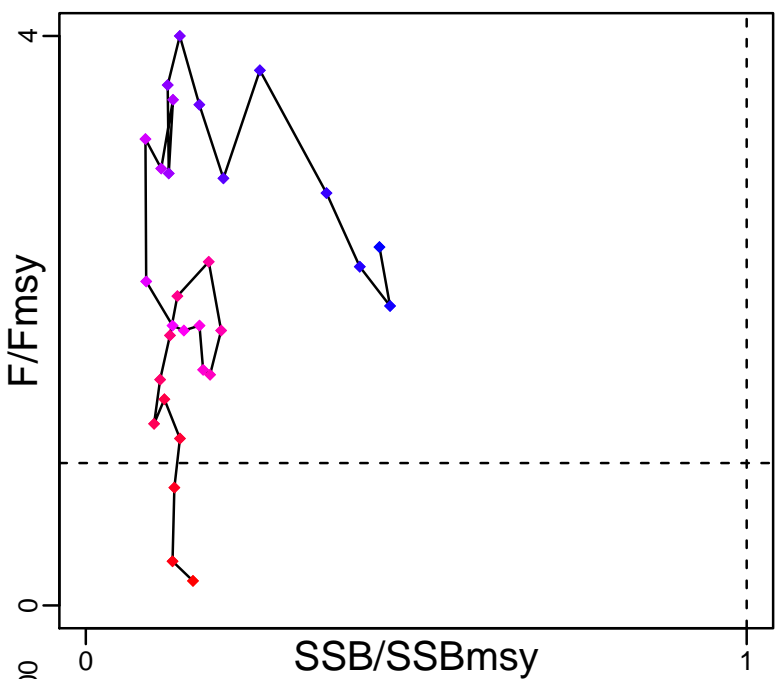
Metadata	
Scientific Name	Pseudopleuronectes americanus
Current Assess ID	NEFSC-WINFLOUNSNEMATL-1980-2013-SISIMP2016
Area	Southern New England /Mid Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2010, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2010	43,661
Fmsy	Fmsy-1/yr	2013	0.325
ERmsy	ERmsy-conv-ratio	2010	0.097
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	0.325
ERlim	-	-	-

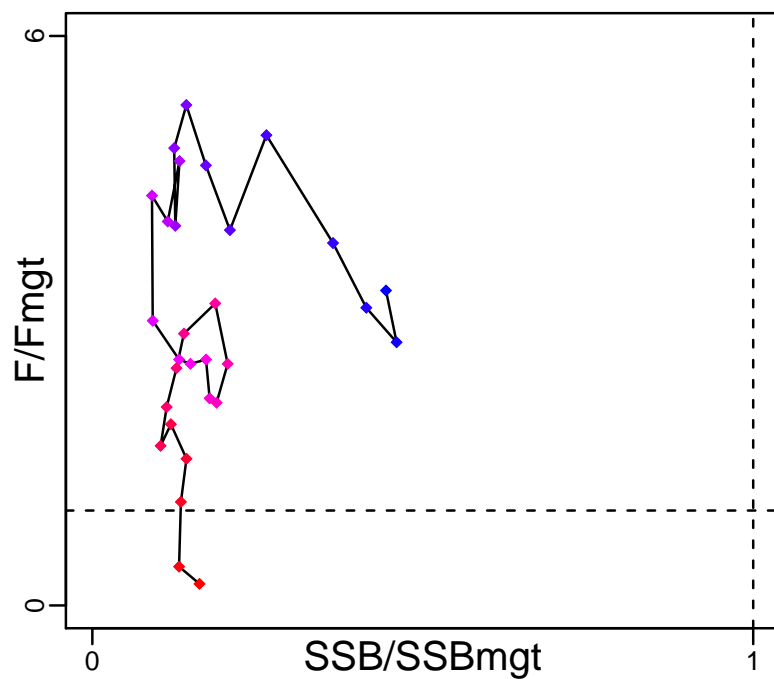
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2010	7080	-	3+
TN	-	-	-	-	-
R	R-E00	2013	4,910,000	-	1
F	F-1/yr	2013	0.16	-	-
ER	ER-calc-ratio	2010	0.019	-	-
TC	TC-MT	2013	753		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2010	0.162		
F/Fmsy	F-1/yr/Fmsy-1/yr	2013	0.492		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2010	0.191		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2010	0.162		
F/Fmgt	F-1/yr/Fmgt-1/yr	2010	0.227		
ER/ERmgt	-	-	-		

Winter flounder Southern New England /Mid Atlantic [WINFLOUNSNEMATL]

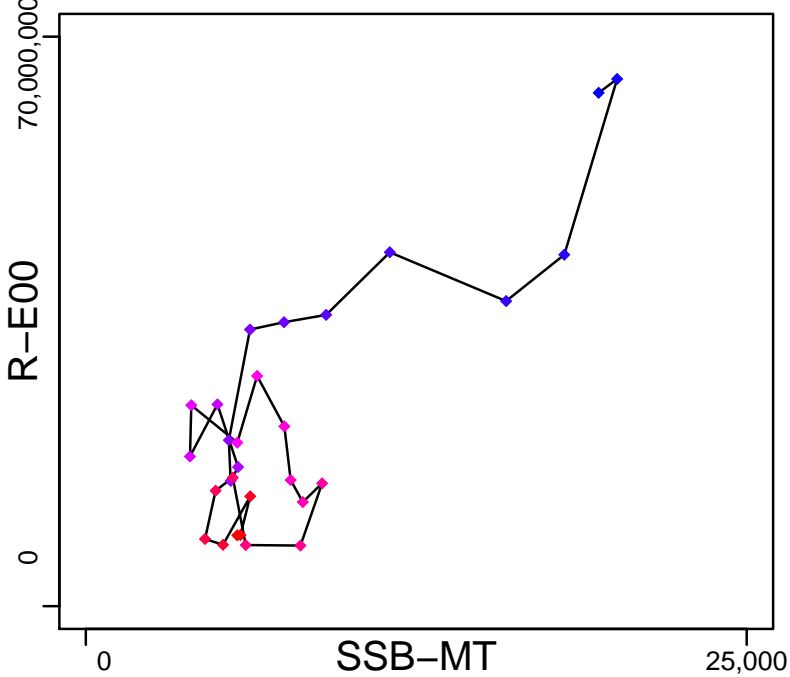
Kobe MSYpref (1980–2010–HIVELY)



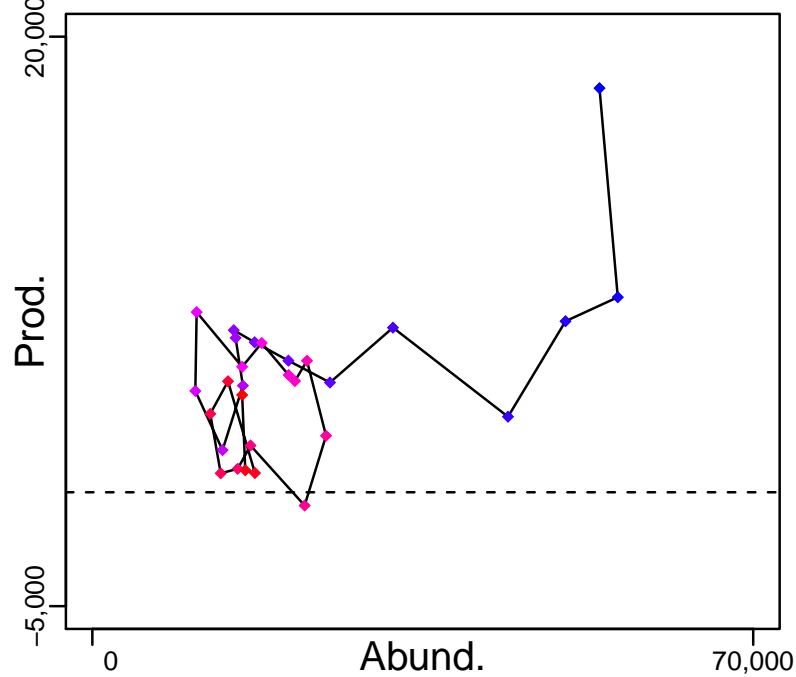
Kobe MGTpref (1980–2010–HIVELY)



Spawner Recruit (1980–2010–HIVELY)



Production (1980–2010–HIVELY)



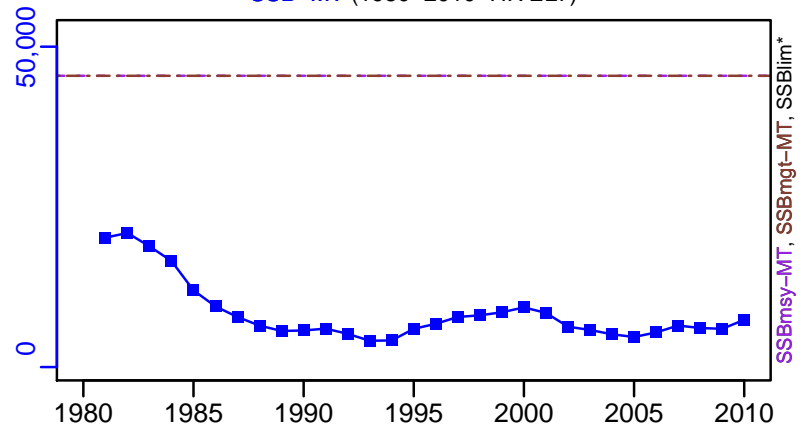
◆ Start Year ◆ End Year * No Data

Winter flounder Southern New England /Mid Atlantic [WINFLOUNSNEMATL]

TB*



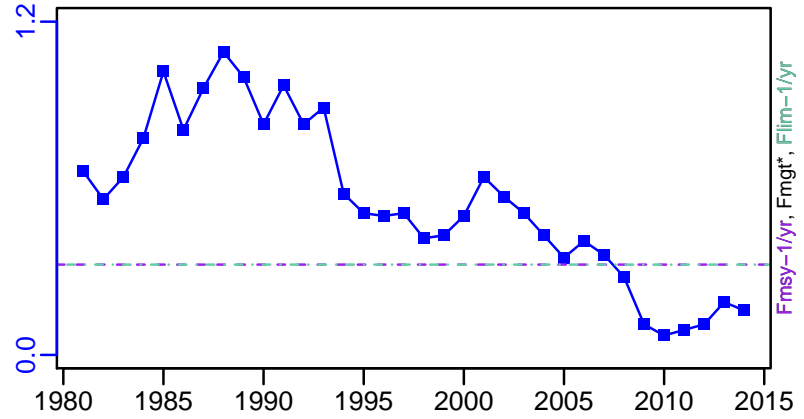
SSB-MT (1980-2010-HIVELY)



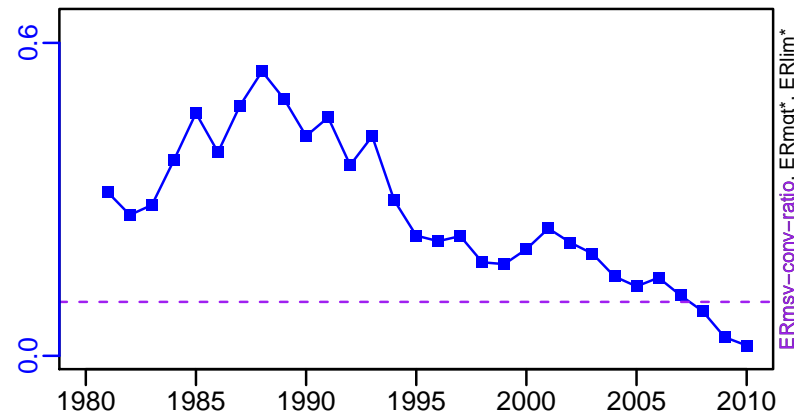
TN *



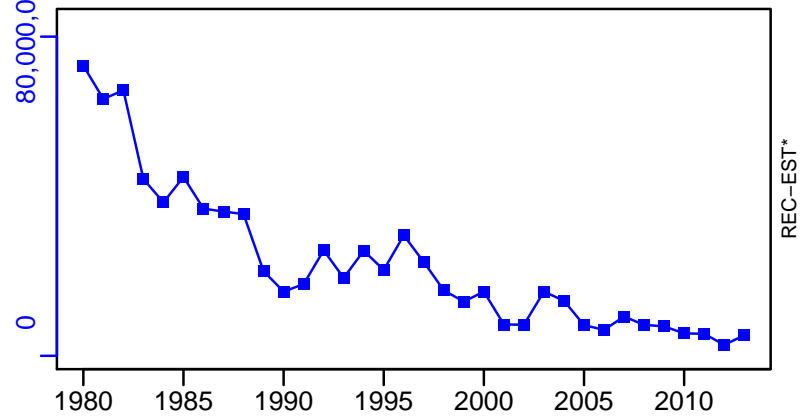
F-1/yr (1980-2013-SISIMP2016)



ER-calc-ratio (1980-2010-HIVELY)



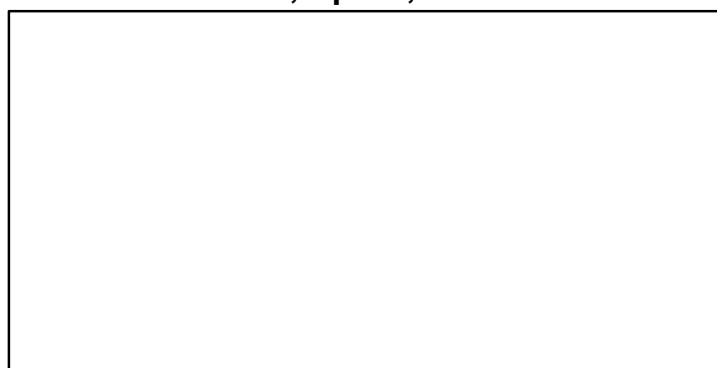
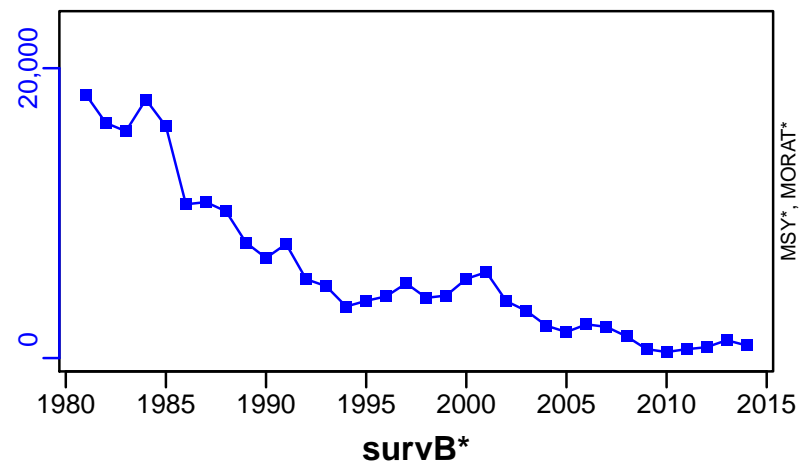
R-E00 (1980-2013-SISIMP2016)



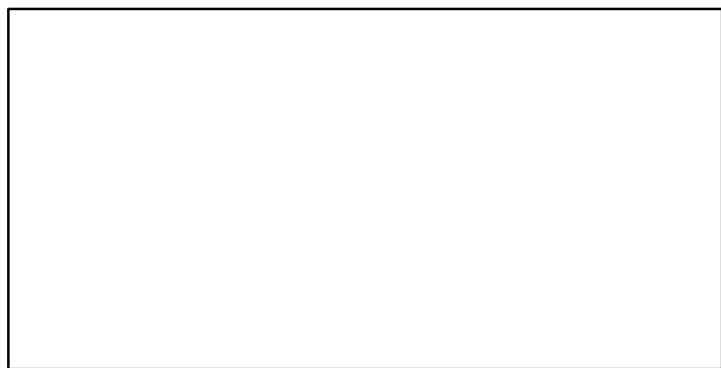
Winter flounder Southern New England /Mid Atlantic [WINFLOUNSNEMATL]

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

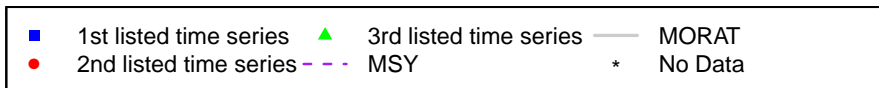
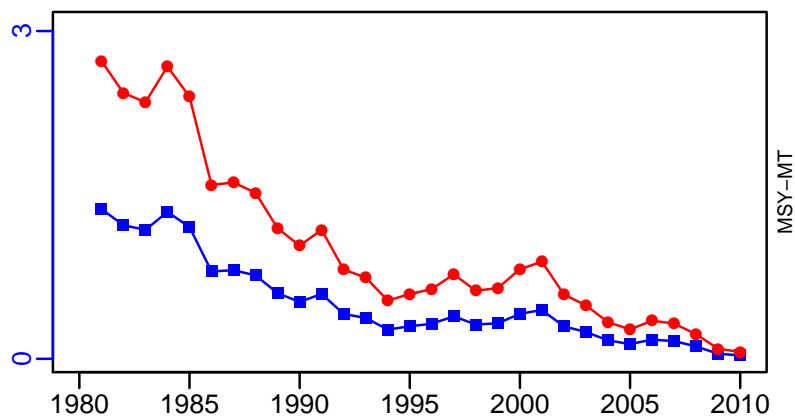
TAC*, Cpair*, Cadv*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1980-2010-HIVELY)



Witch flounder Gulf of Maine [WITFLOUN5Y]

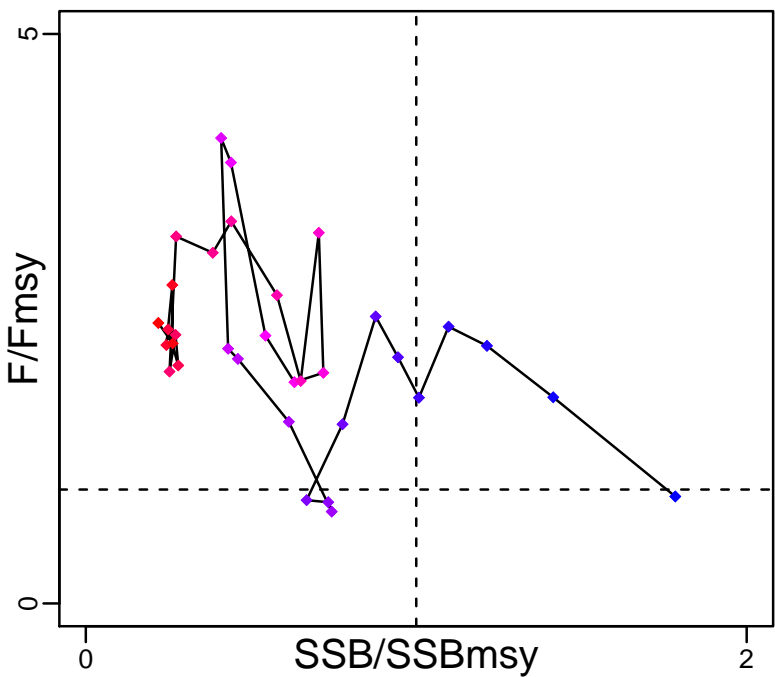
Metadata	
Scientific Name	Glyptocephalus cynoglossus
Current Assess ID	NEFSC-WITFLOUN5Y-1982-2014-SISIMP2016
Area	Gulf of Maine
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2008, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	9473
Fmsy	Fmsy-1/yr	2014	0.279
ERmsy	ERmsy-conv-ratio	2014	0.063
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	0.279
ERlim	-	-	-

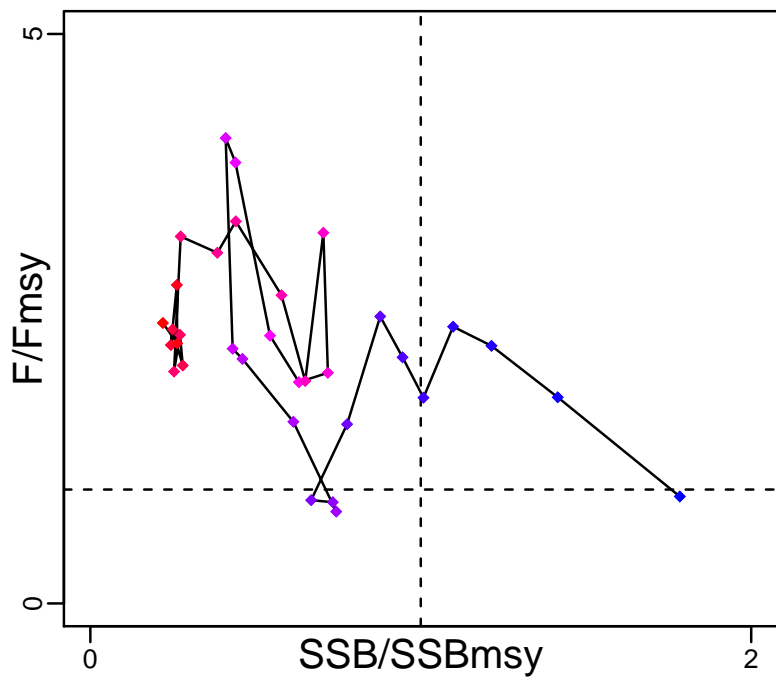
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	2080	-	-
TN	-	-	-	-	-
R	R-E00	2014	10,200,000	-	3
F	F-1/yr	2014	0.687	-	-
ER	ER-calc-ratio	2014	0.089	-	-
TC	TC-MT	2014	604		
TL	TL-MT	2008	1070		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.22		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	2.462		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	1.406		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Witch flounder Gulf of Maine [WITFLOUN5Y]

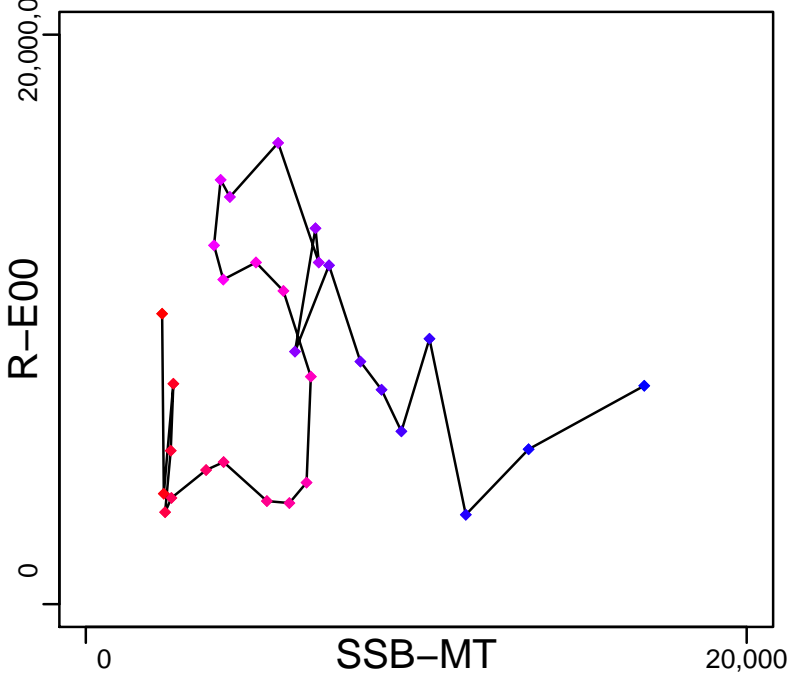
Kobe MSY_{pref} (1982–2014–SISIMP2016)



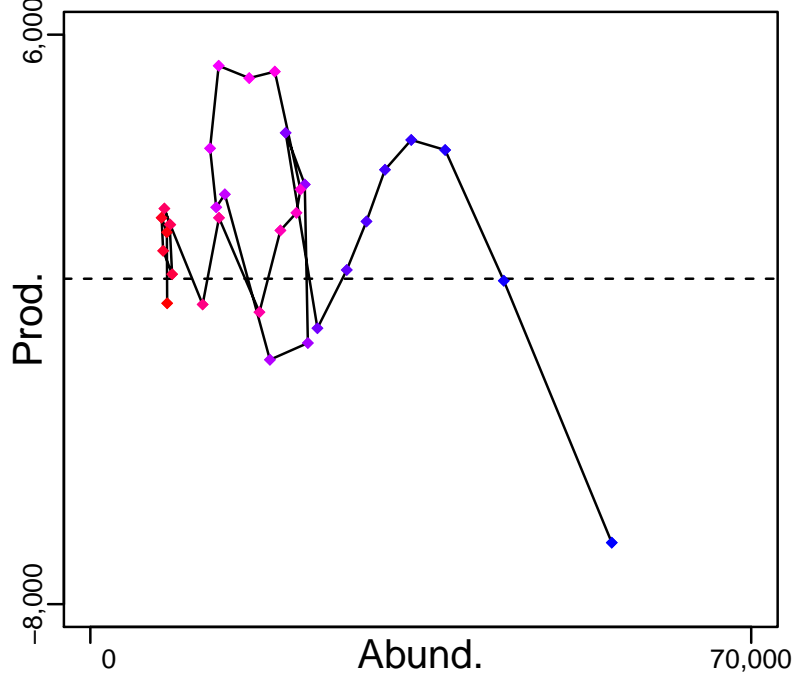
Kobe MGT_{pref} (1982–2014–SISIMP2016)



Spawner Recruit (1982–2014–SISIMP2016)



Production (1982–2014–SISIMP2016)



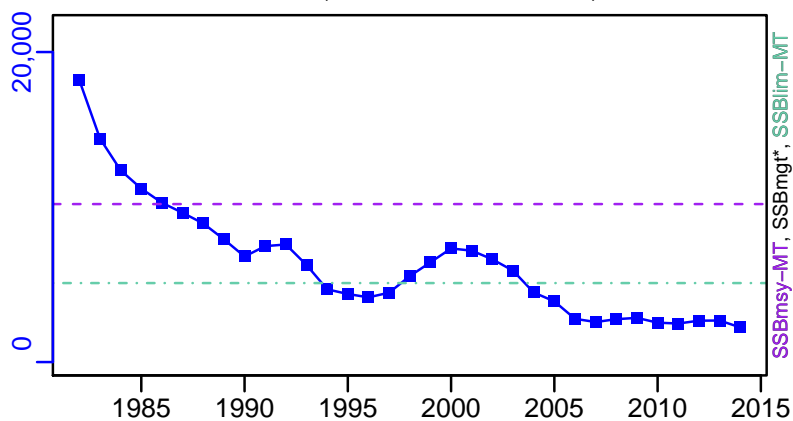
◆ Start Year ◆ End Year * No Data

Witch flounder Gulf of Maine [WITFLOUN5Y]

TB*



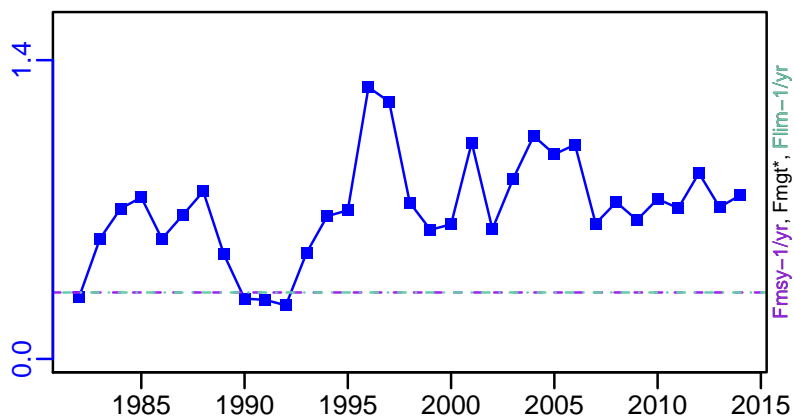
SSB-MT (1982–2014–SISIMP2016)



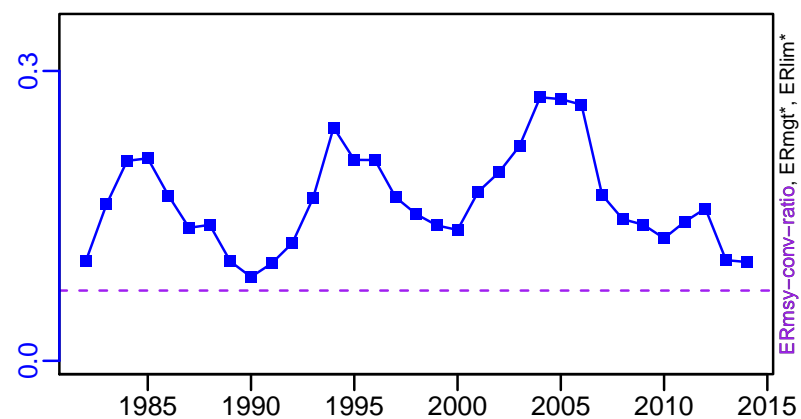
TN *



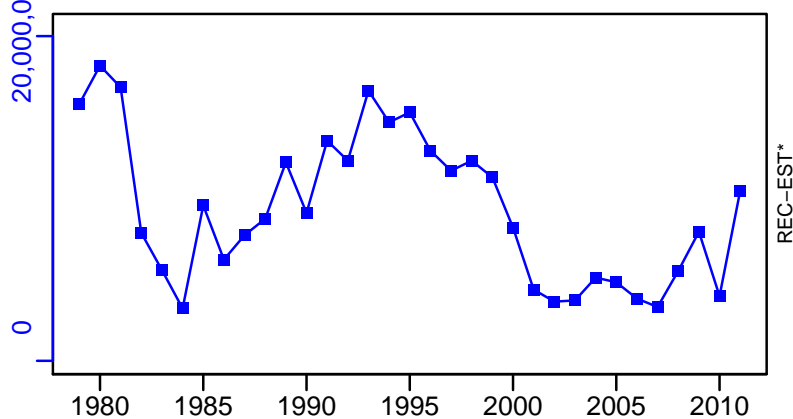
F-1/yr (1982–2014–SISIMP2016)



ER-calc-ratio (1982–2014–SISIMP2016)

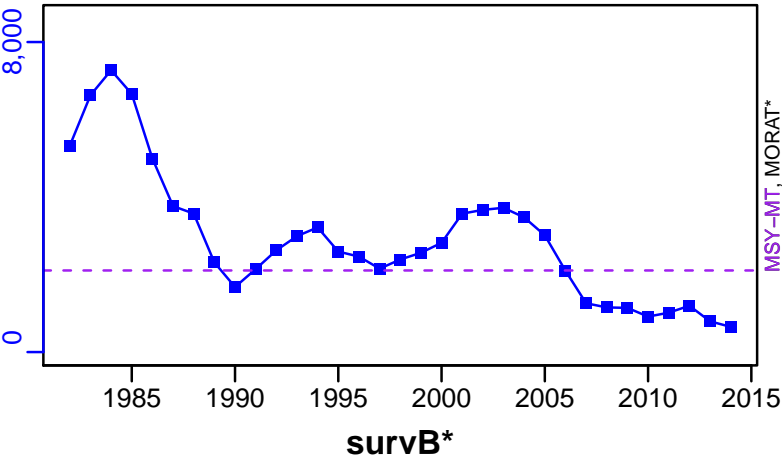


R-E00 (1982–2014–SISIMP2016)



Witch flounder Gulf of Maine [WITFLOUN5Y]

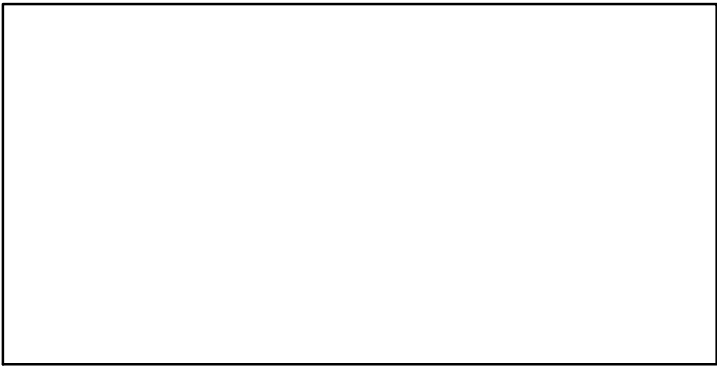
TC-MT, TL*, RecC* (1982-2014-SISIMP2016)



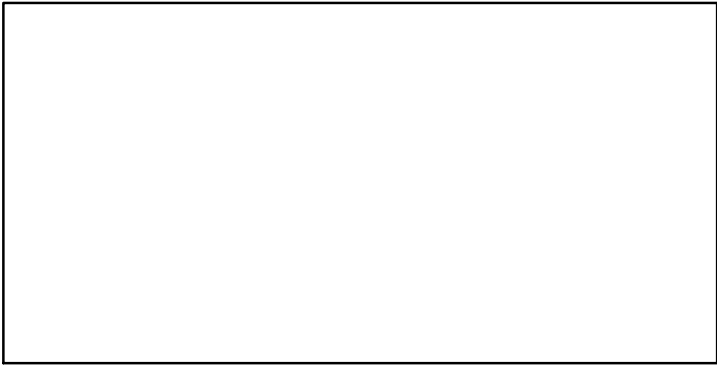
TAC*, Cpair*, Cadv*



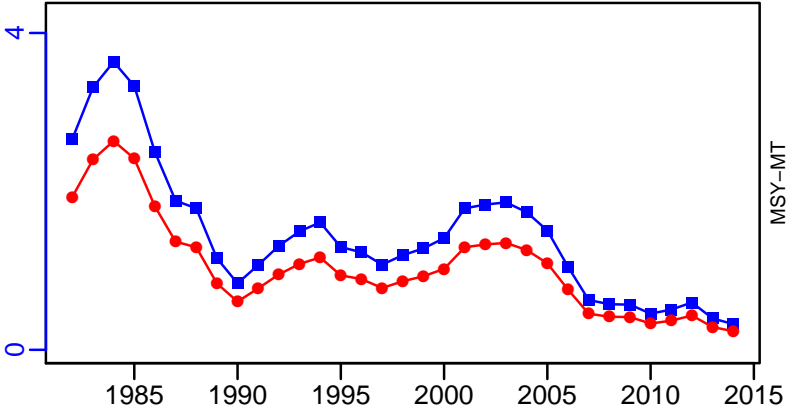
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1982-2014-SISIMP2016)



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	TC-MT	2005	3360		
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*



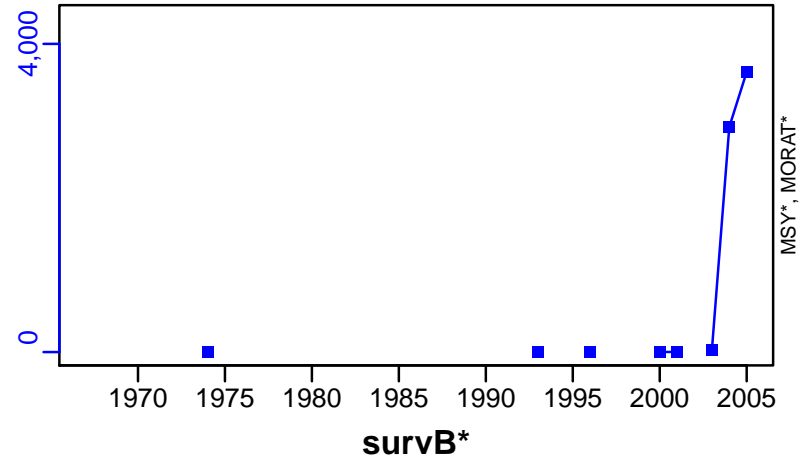
Recruits*



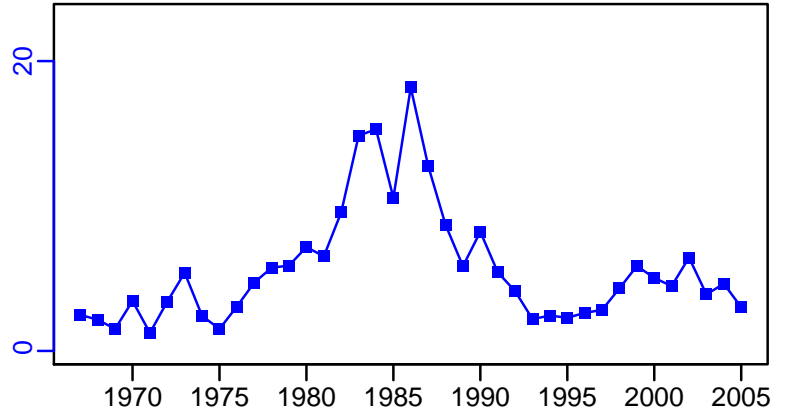
Winter skate Gulf of Maine / Cape Hatteras [WSKAT5YCHATT]

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

TAC*, Cpair*, Cadv*



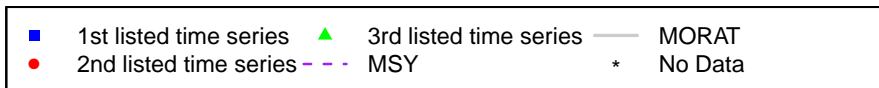
CPUE-kgpertow (1967-2005-SOSEBEE)



EFFORT*



CdivMSY*



Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]

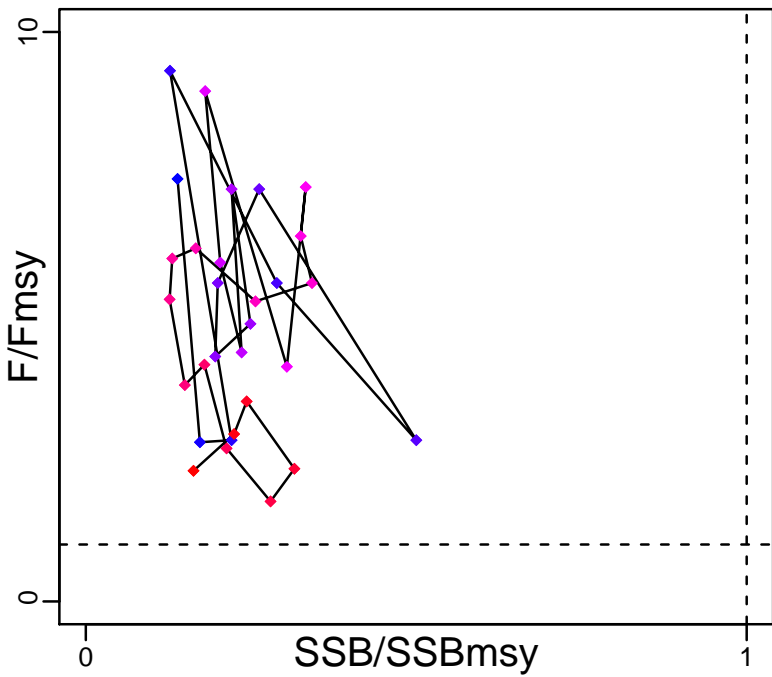
Metadata	
Scientific Name	Limanda ferruginea
Current Assess ID	NEFSC-YELLCCODGOM-1985-2014-SISIMP2016
Area	Cape Cod / Gulf of Maine
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2008, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	5259
Fmsy	Fmsy-1/yr	2014	0.279
ERmsy	ERmsy-conv-ratio	2014	0.122
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	1285
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	2629
Flim	Flim-1/yr	2014	0.279
ERlim	-	-	-

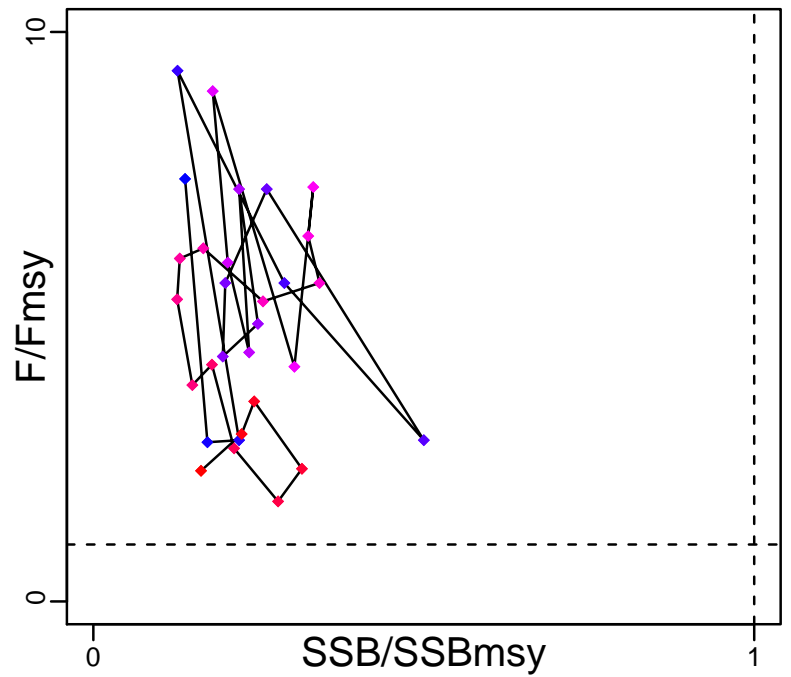
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	857	-	-
TN	TN-E00	2008	16,900,000	-	-
R	R-E00	2014	10,300,000	-	1
F	F-1/yr	2014	0.64	-	-
ER	ER-calc-ratio	2014	0.28	-	-
TC	TC-MT	2014	480		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.163		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	2.294		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	2.292		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]

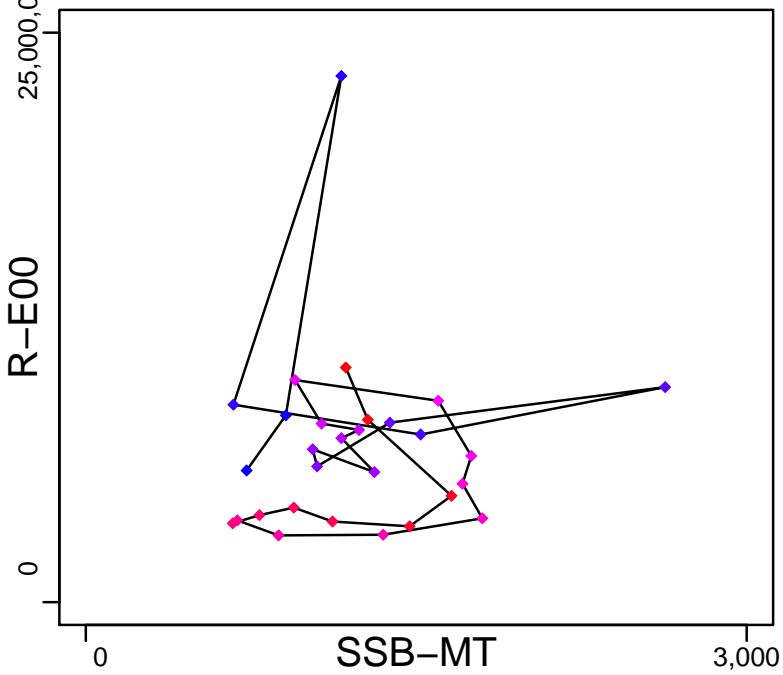
Kobe MSYpref (1985–2014–SISIMP2016)



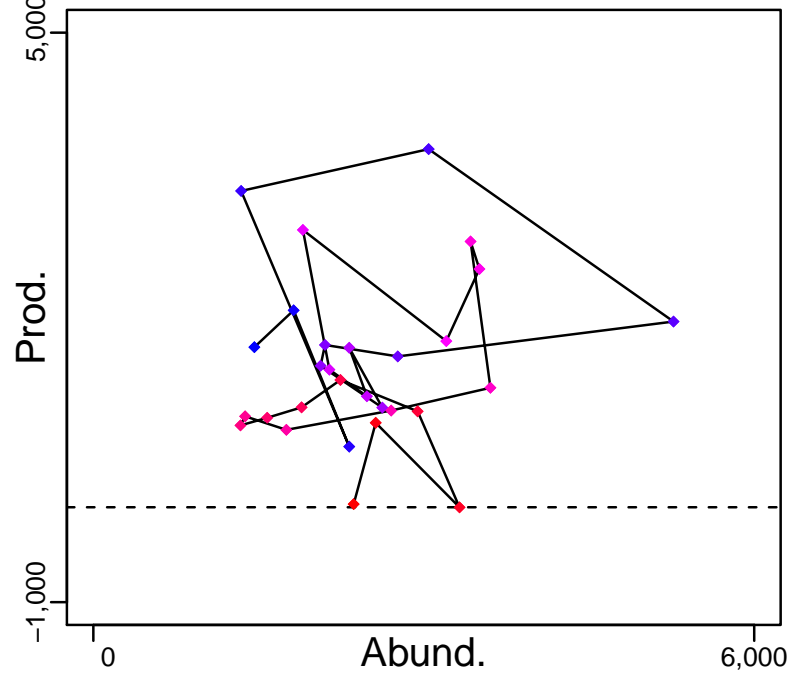
Kobe MGTpref (1985–2014–SISIMP2016)



Spawner Recruit (1985–2014–SISIMP2016)



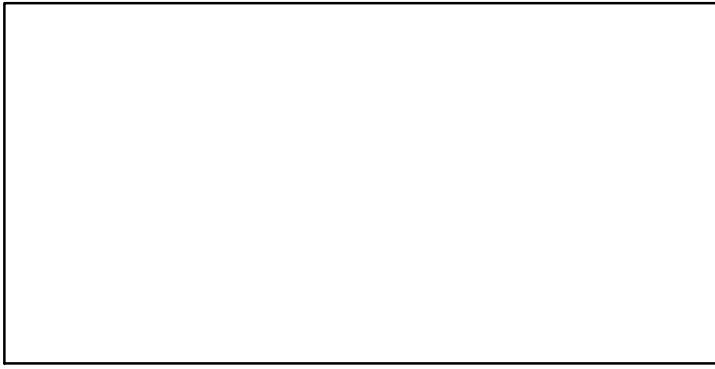
Production (1985–2014–SISIMP2016)



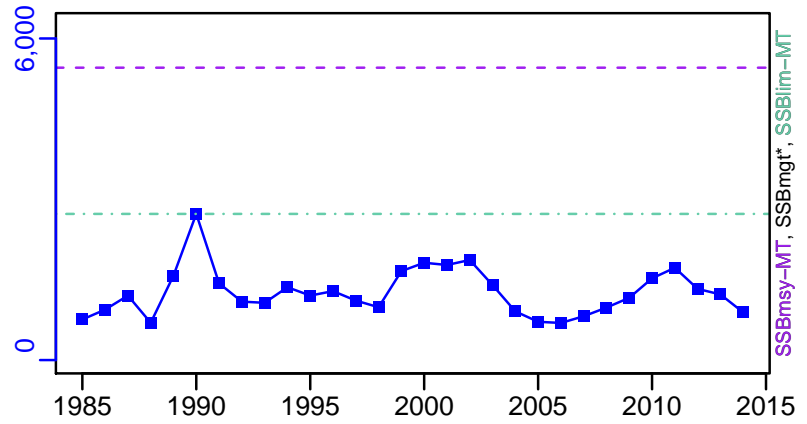
◆ Start Year ◆ End Year * No Data

Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]

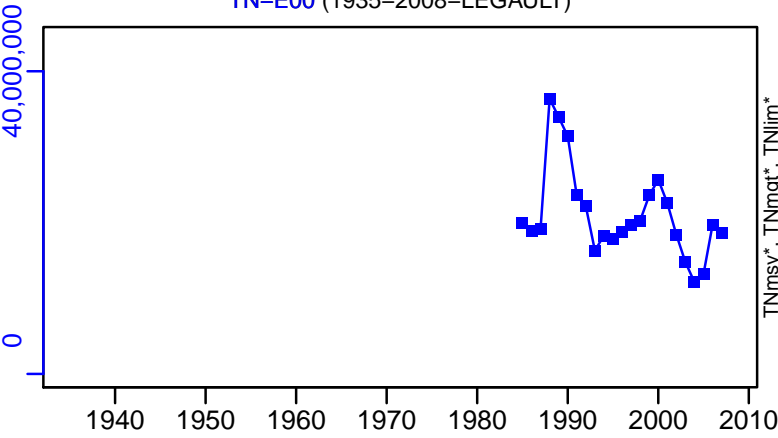
TB*



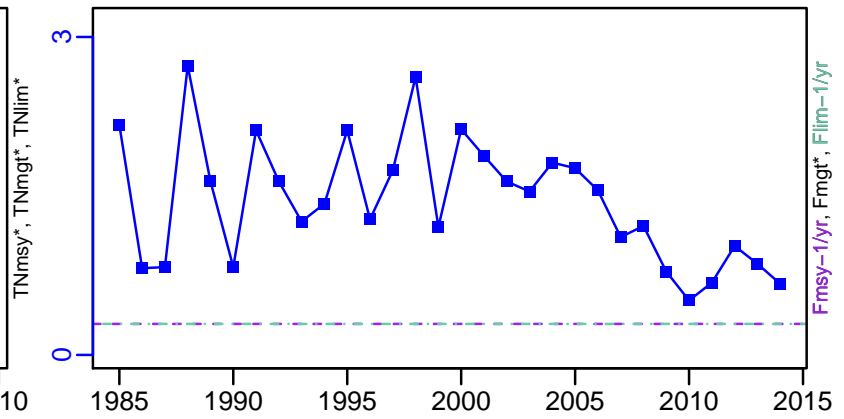
SSB-MT (1985–2014–SISIMP2016)



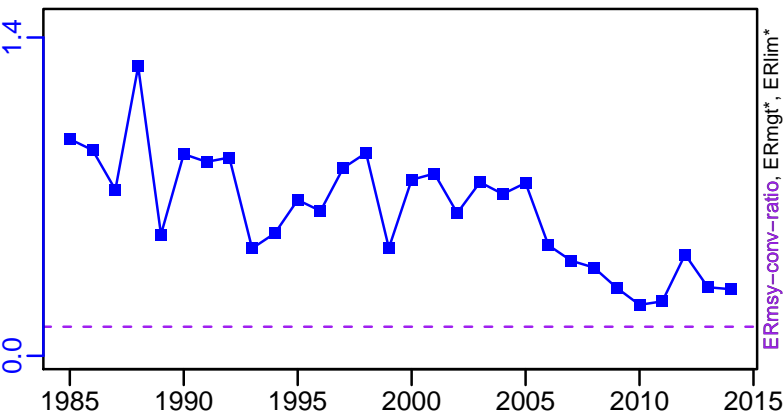
TN-E00 (1935–2008–LEGAULT)



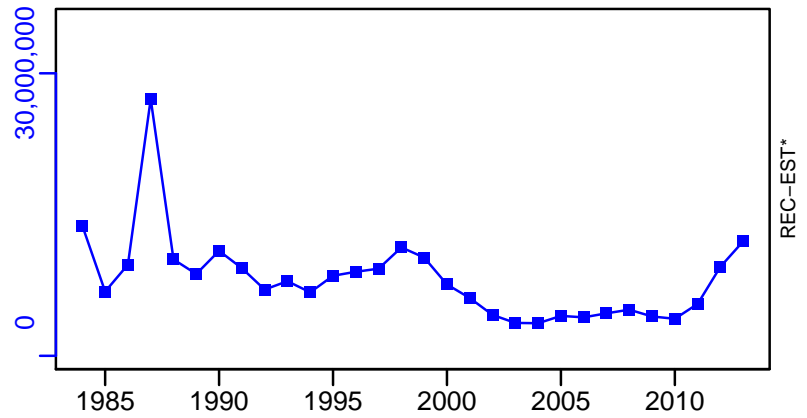
F-1/yr (1985–2014–SISIMP2016)



ER-calc-ratio (1985–2014–SISIMP2016)



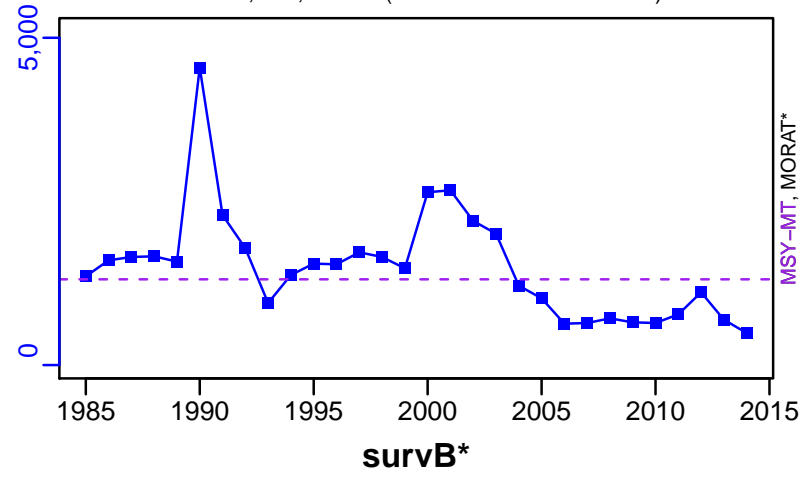
R-E00 (1985–2014–SISIMP2016)



Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]

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

TAC*, Cpair*, Cadv*



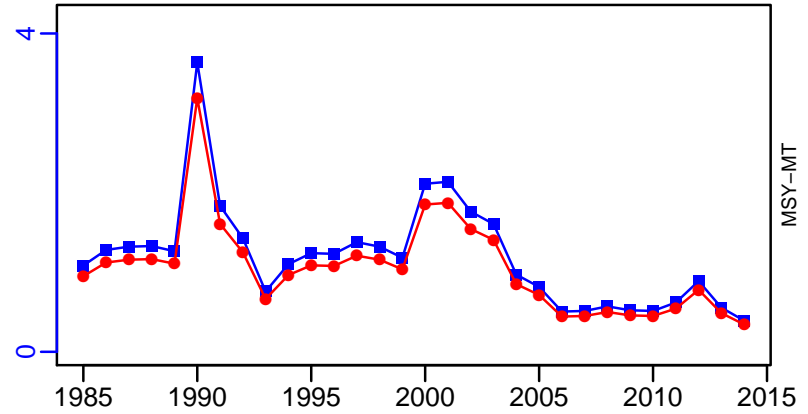
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1985–2014–SISIMP2016)



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

Yellowtail flounder Georges Bank [YELLGB]

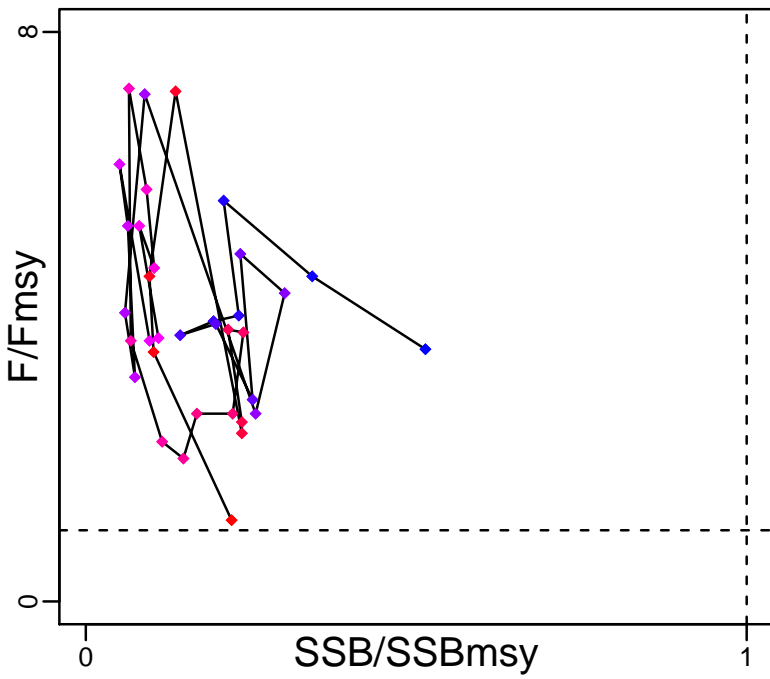
Metadata	
Scientific Name	Limanda ferruginea
Current Assess ID	NEFSC-YELLGB-1935-2015-WATSON
Area	Georges Bank
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2008, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2008	43,200
Fmsy	Fmsy-pr-1/yr	2008	0.254
ERmsy	ERmsy-conv-ratio	2008	0.113
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2008	9400
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

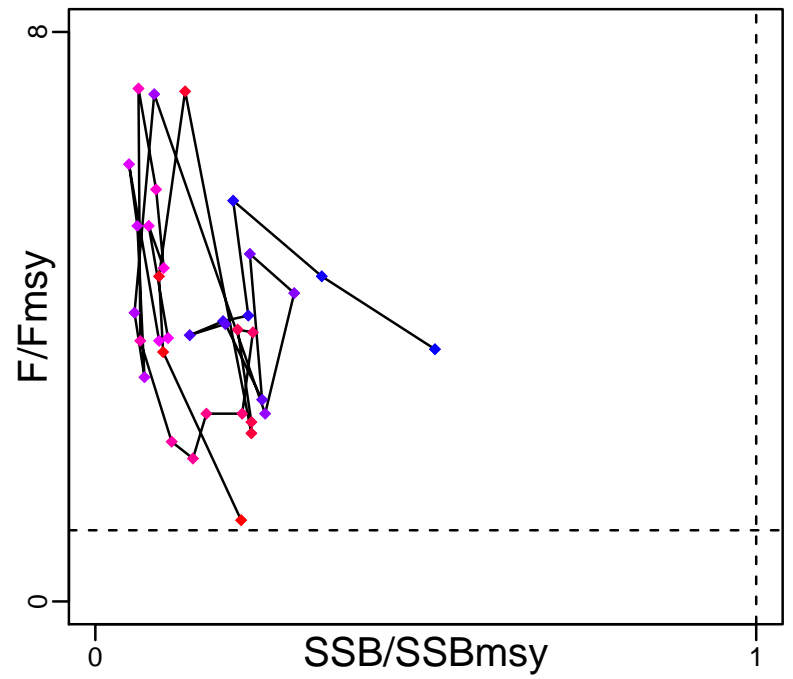
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2008	20,800	-	-
SSB	SSB-MT	2008	9530	-	2+
TN	-	-	-	-	-
R	R-E00	2008	19,100,000	-	1
F	F-1/yr	2008	0.29	-	4+
ER	ER-ratio	2008	0.118	-	-
TC	TC-MT	2015	159		
TL	TL-MT	2015	71		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2008	0.221		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2008	1.142		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2008	1.046		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Yellowtail flounder Georges Bank [YELLGB]

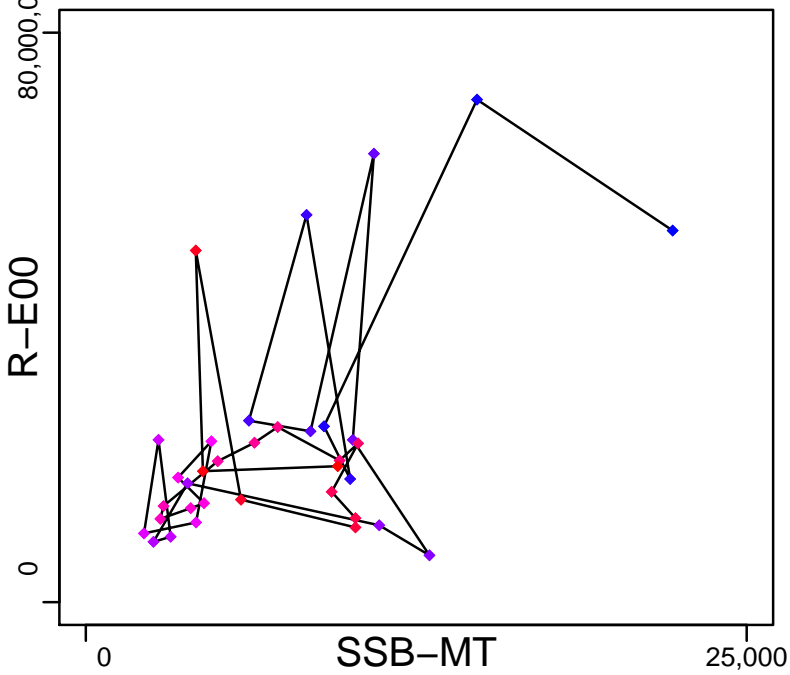
Kobe MSYpref (1935–2008–BAUM)



Kobe MGTpref (1935–2008–BAUM)



Spawner Recruit (1935–2008–BAUM)



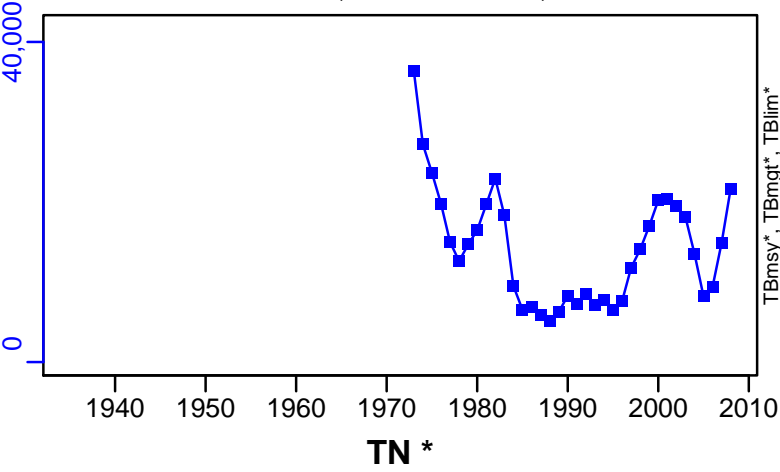
Production*



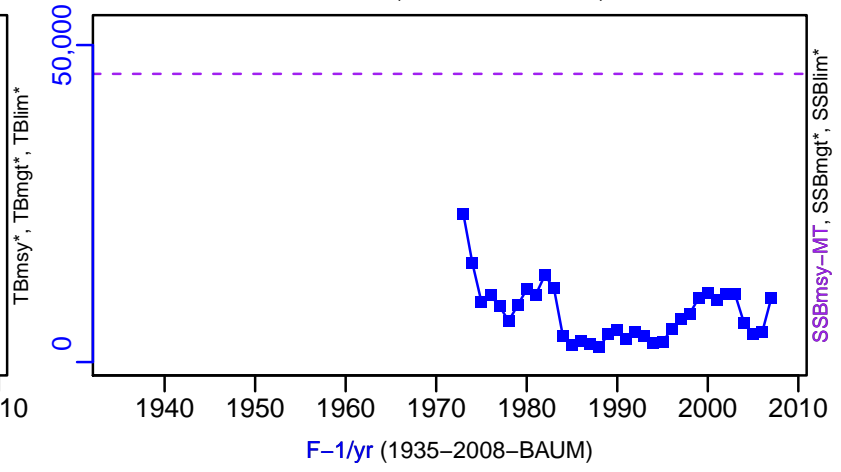
◆ Start Year ◆ End Year * No Data

Yellowtail flounder Georges Bank [YELLGB]

TB-MT (1935-2008-BAUM)



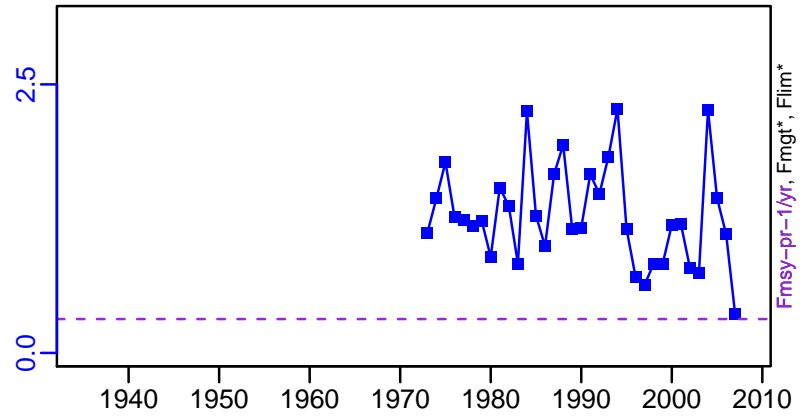
SSB-MT (1935-2008-BAUM)



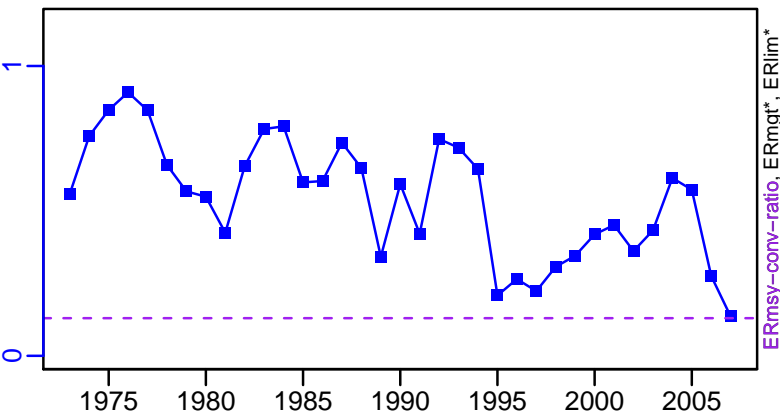
TN *



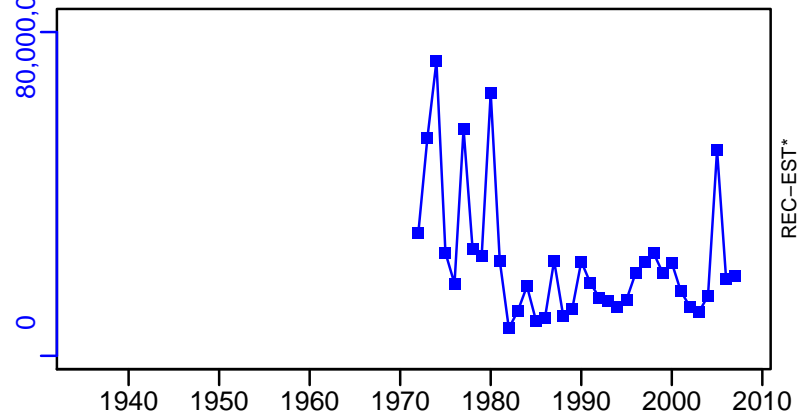
F-1/yr (1935-2008-BAUM)



ER-ratio (1935-2008-BAUM)



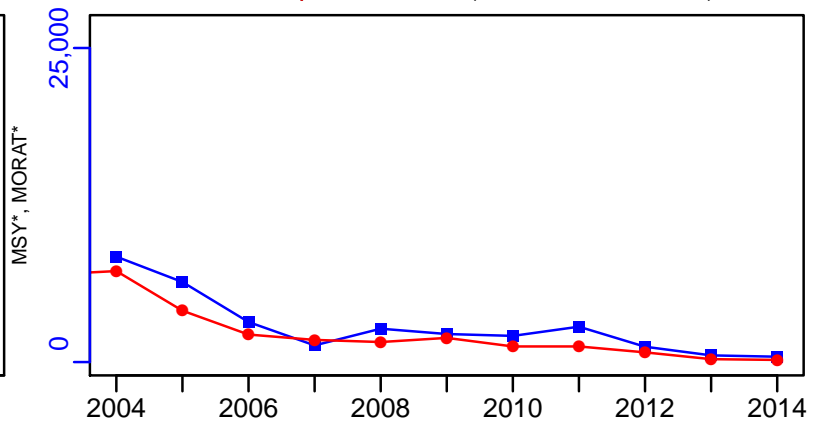
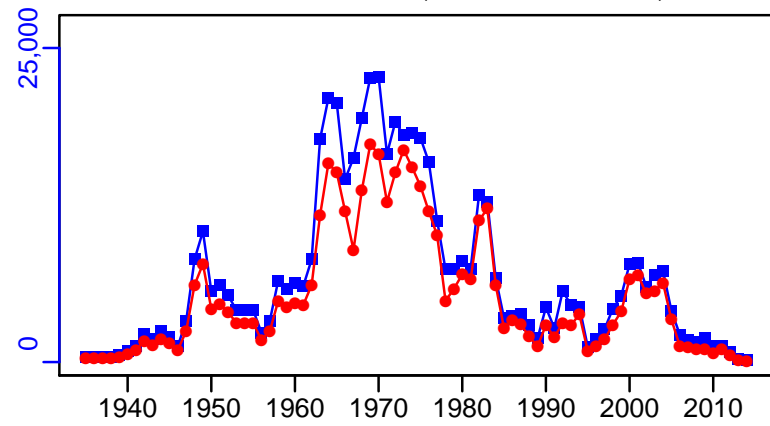
R-E00 (1935-2008-BAUM)



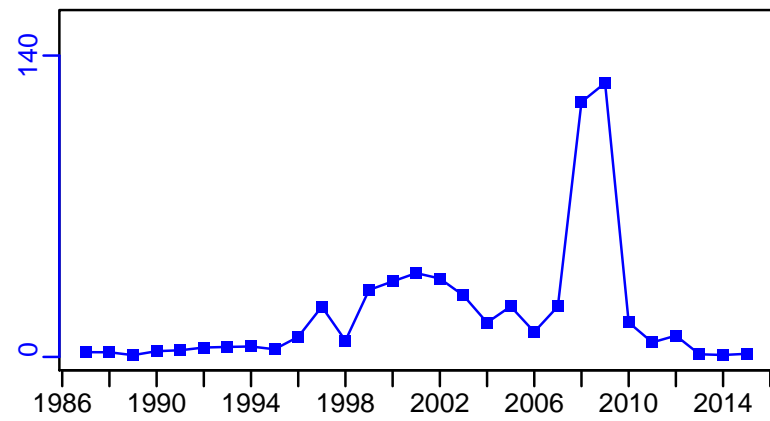
Yellowtail flounder Georges Bank [YELLGB]

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

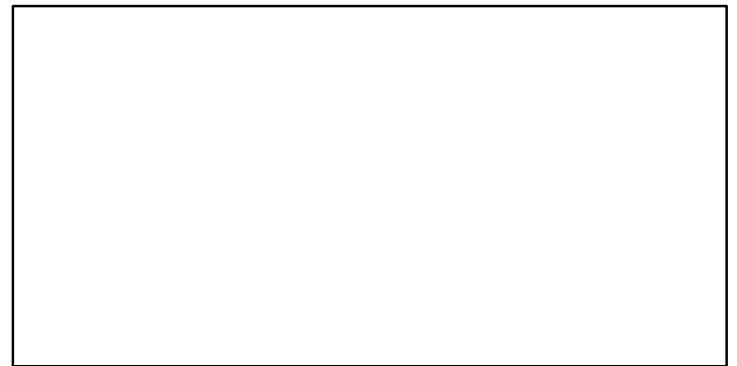
TAC-MT, Cpair-MT, Cadv* (1935-2015-WATSON)



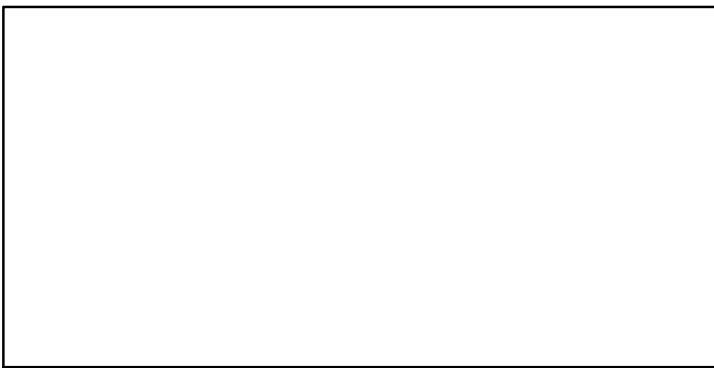
survB-kg/tow (1935-2015-WATSON)



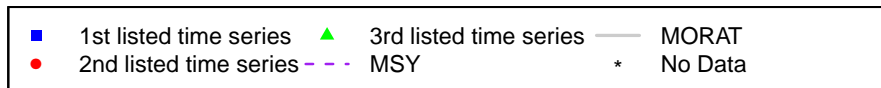
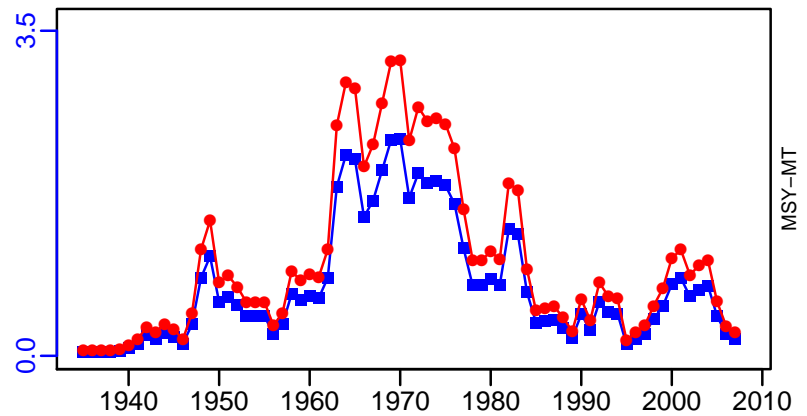
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1935-2008-BAUM)



Yellowtail flounder Southern New England /Mid Atlantic [YELLSNEMATL]

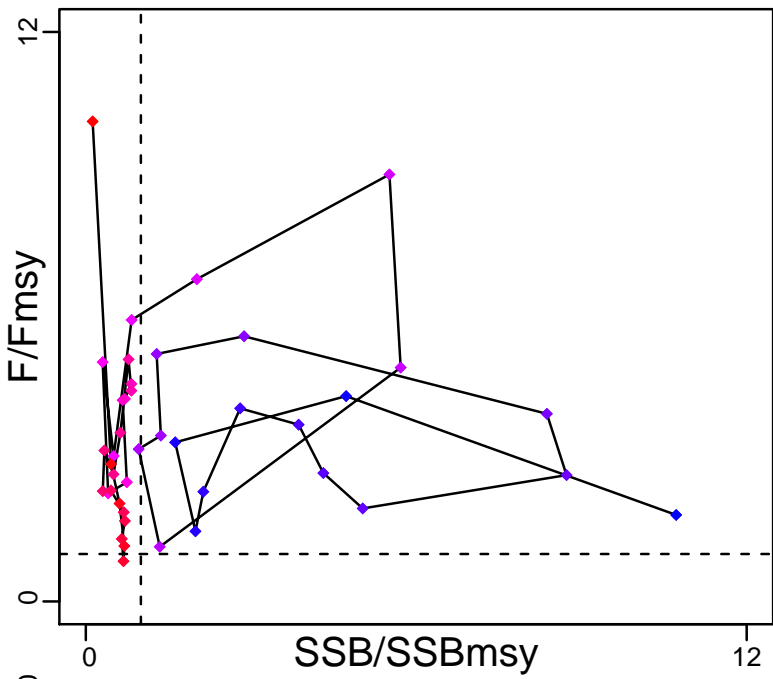
Metadata	
Scientific Name	Limanda ferruginea
Current Assess ID	NEFSC-YELLSNEMATL-1973-2014-SISIMP2016
Area	Southern New England /Mid Atlantic
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northeast Fisheries Science Center
Asmts in RAM	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	1959
Fmsy	Fmsy-1/yr	2014	0.349
ERmsy	ERmsy-conv-ratio	2014	0.114
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	0.349
ERlim	-	-	-

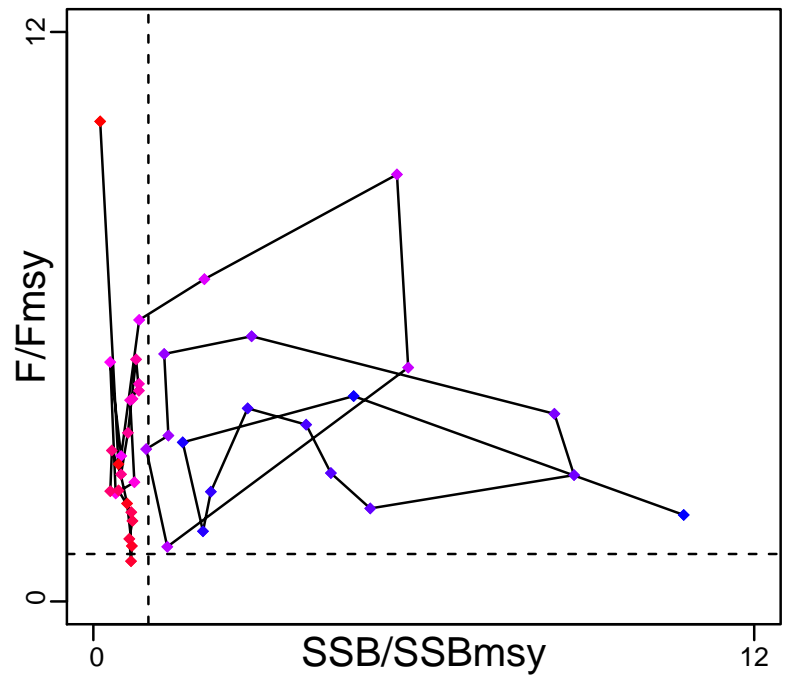
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	5310	-	-
SSB	SSB-MT	2014	243	-	-
TN	-	-	-	-	-
R	R-E00	2014	435,000	-	1
F	F-1/yr	2014	3.53	-	-
ER	ER-calc-ratio	2014	1.063	-	-
TC	TC-MT	2014	625		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.124		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	10.115		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2014	9.313		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Yellowtail flounder Southern New England /Mid Atlantic [YELLSNEMATL]

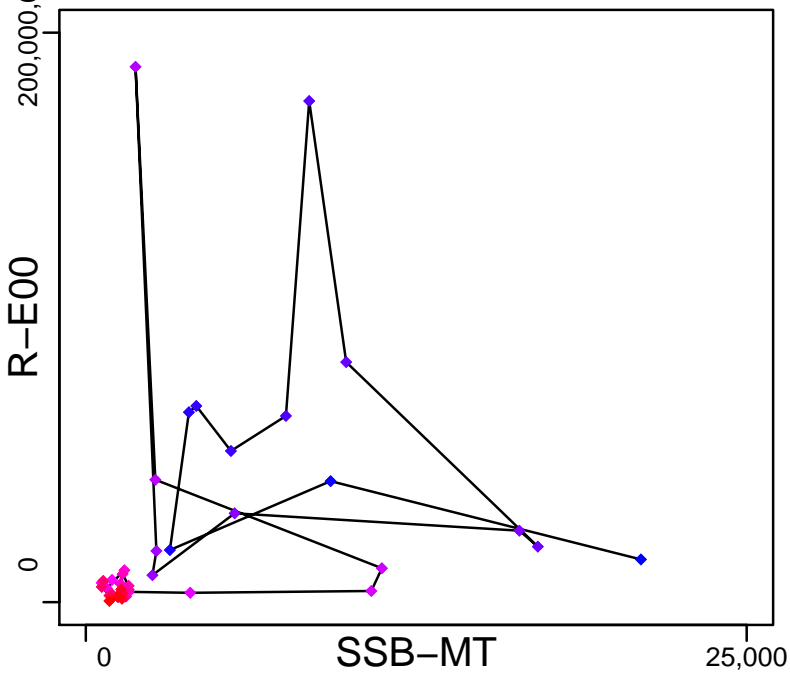
Kobe MSYpref (1973–2014–SISIMP2016)



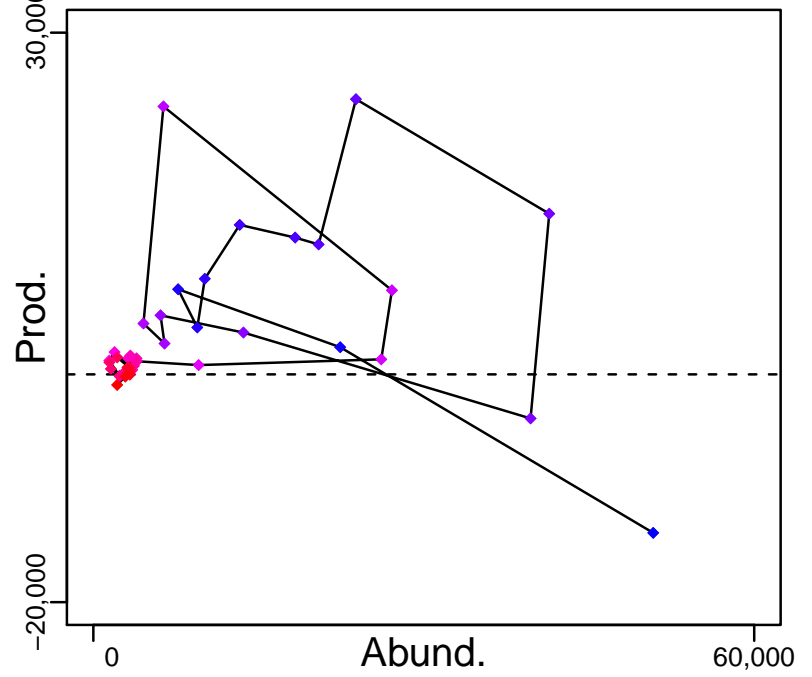
Kobe MGTpref (1973–2014–SISIMP2016)



Spawner Recruit (1973–2014–SISIMP2016)



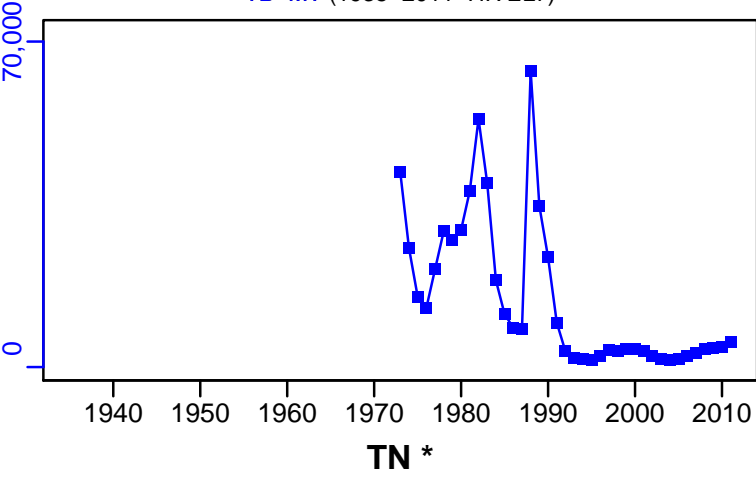
Production (1973–2014–SISIMP2016)



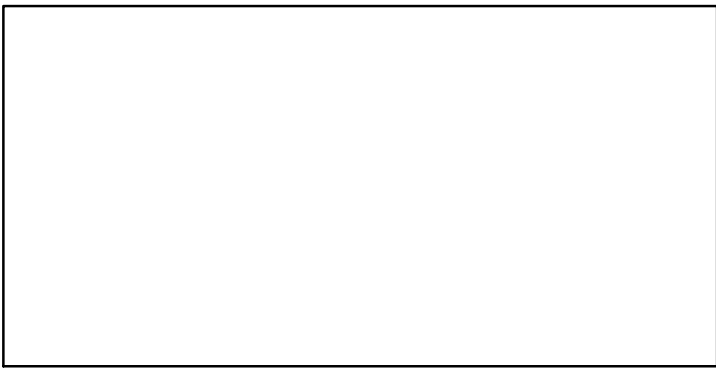
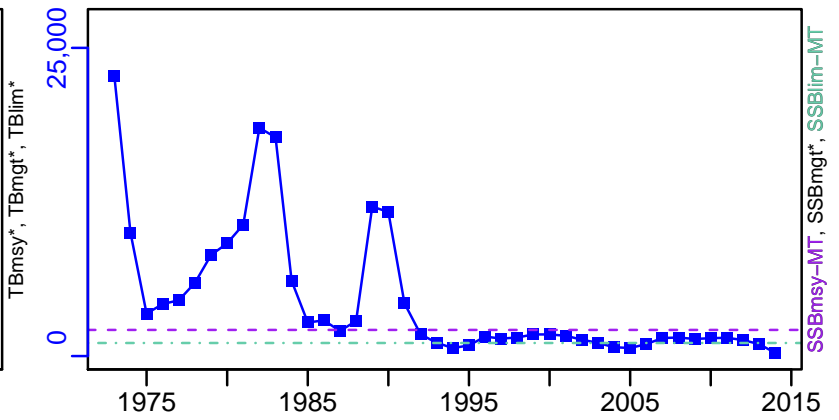
◆ Start Year ◆ End Year * No Data

Yellowtail flounder Southern New England /Mid Atlantic [YELLSNEMATL]

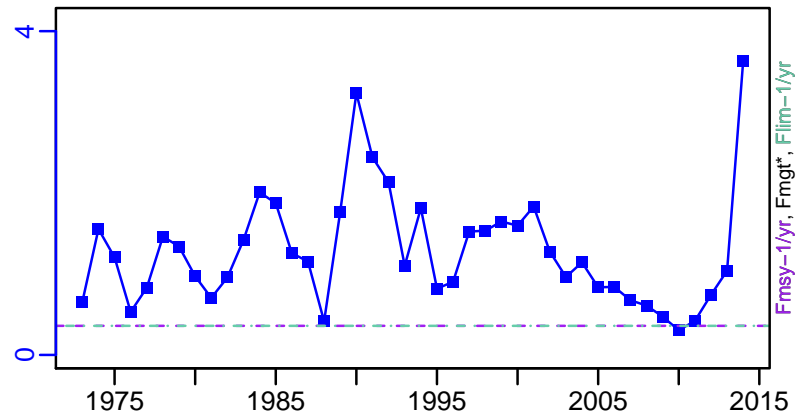
TB-MT (1935-2011-HIVELY)



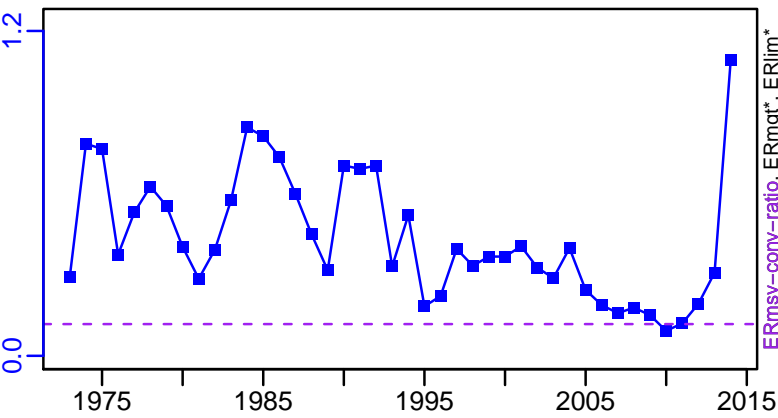
SSB-MT (1973-2014-SISIMP2016)



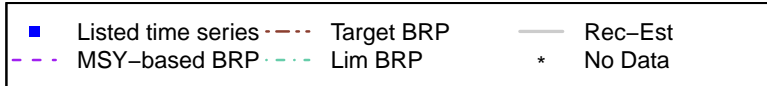
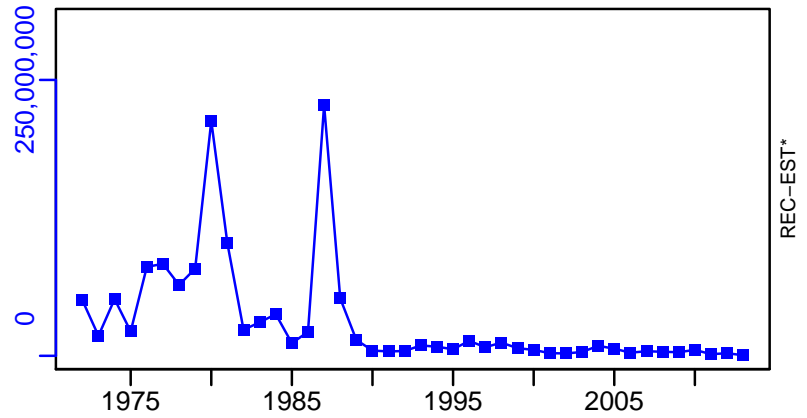
F-1/yr (1973-2014-SISIMP2016)



ER-calc-ratio (1973-2014-SISIMP2016)



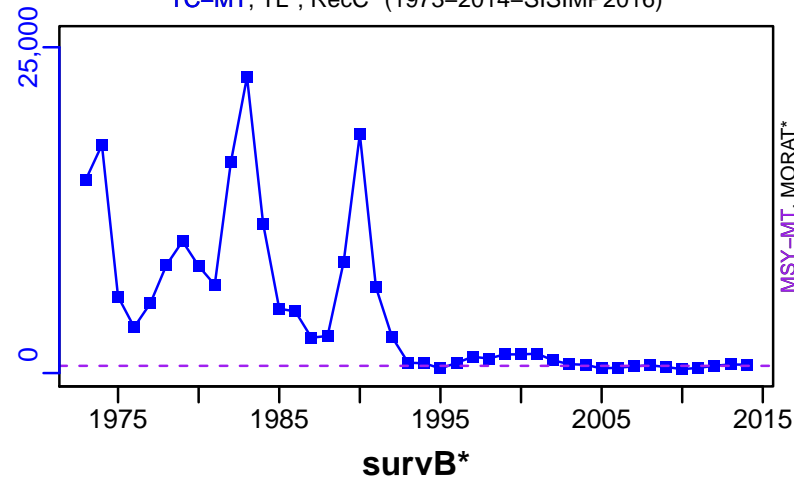
R-E00 (1973-2014-SISIMP2016)



Yellowtail flounder Southern New England /Mid Atlantic [YELLSNEMATL]

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

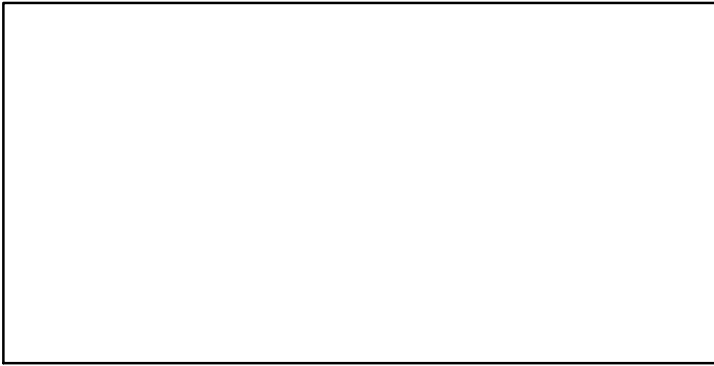
TAC*, Cpair*, Cadv*



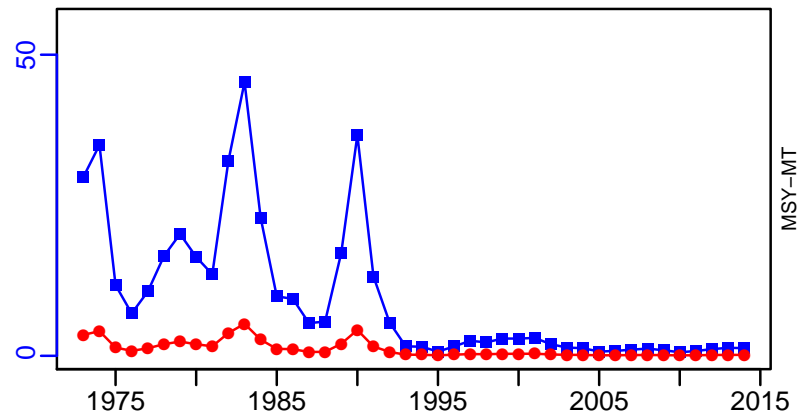
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1973-2014-SISIMP2016)



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