

# US East Coast Stocks

## v4.25 (Dec-14-2017)

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9. Barndoor skate Gulf of Marine / Georges Bank-Southern New England [BSKAT5YZSNE]
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21. American lobster Southern New England [LOBSTERSNE]
22. Little skate Gulf of Maine / Cape Hatteras [LSKAT5YCHATT]
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41. Smooth dogfish Atlantic [SMDOGATL]
42. Smooth skate Gulf of Marine / Georges Bank-Southern New England [SSKAT5YZSNE]
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45. Tilefish Mid-Atlantic Coast [TILEMATLC]
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48. White hake Georges Bank / Gulf of Maine [WHAKEGBGOM]
49. Windowpane flounder - Gulf of Maine / Georges Bank [WINDOWGOMGB]
50. Windowpane Southern New England-Mid Atlantic [WINDOWSNEMATL]

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

## Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]

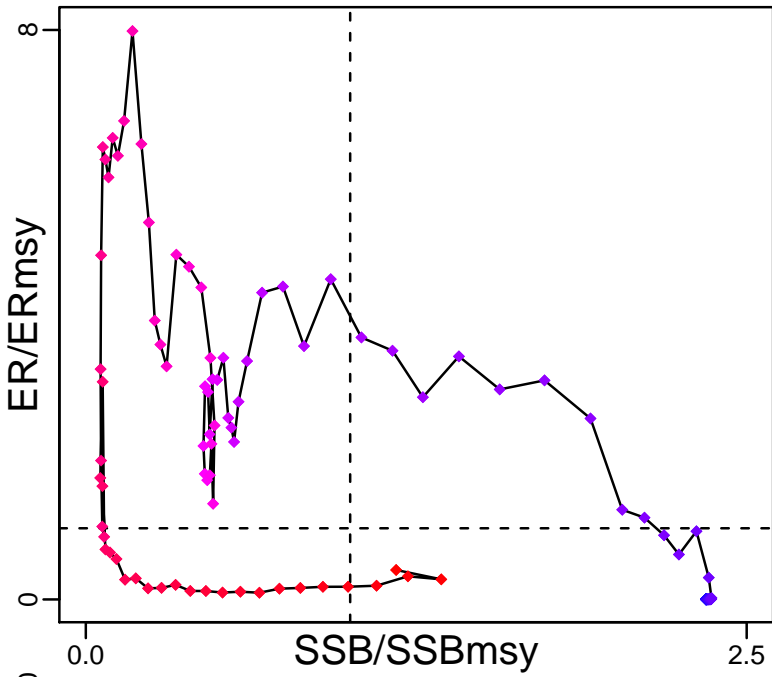
Metadata	
<b>Scientific Name</b>	Sebastes fasciatus
<b>Current Assess ID</b>	NEFSC-ACADREDGOMGB-1913-2014-SISIMP2016
<b>Area</b>	Gulf of Maine / Georges Bank
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts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

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

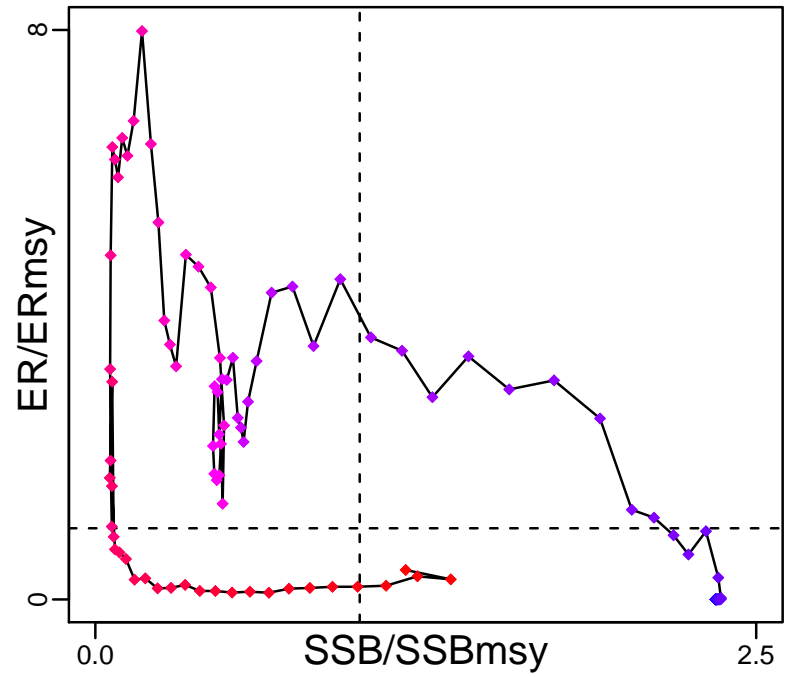
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	-	-	-	-	-
<b>SSB</b>	SSB-MT	2014	330,000	Both	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2014	$1.09 \times 10^8$	-	1
<b>F</b>	F-1/yr	2014	0	-	-
<b>ER</b>	ER-calc-ratio	2014	0	-	-
<b>TC</b>	TC-MT	2014	5090		
<b>TL</b>	TL-MT	2007	787		
<b>TB/TBmsy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

# Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]

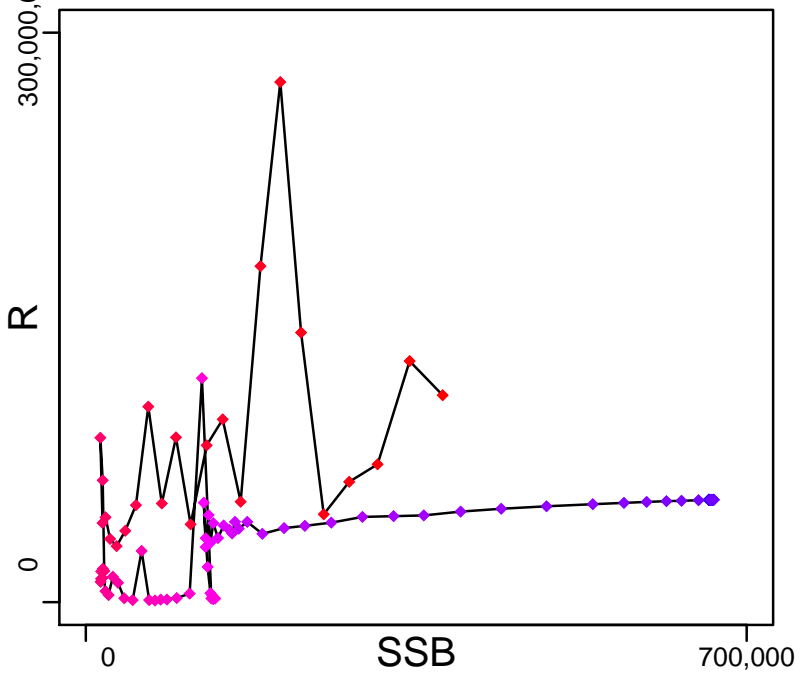
Kobe MSYpref (1913–2014–SISIMP2016)



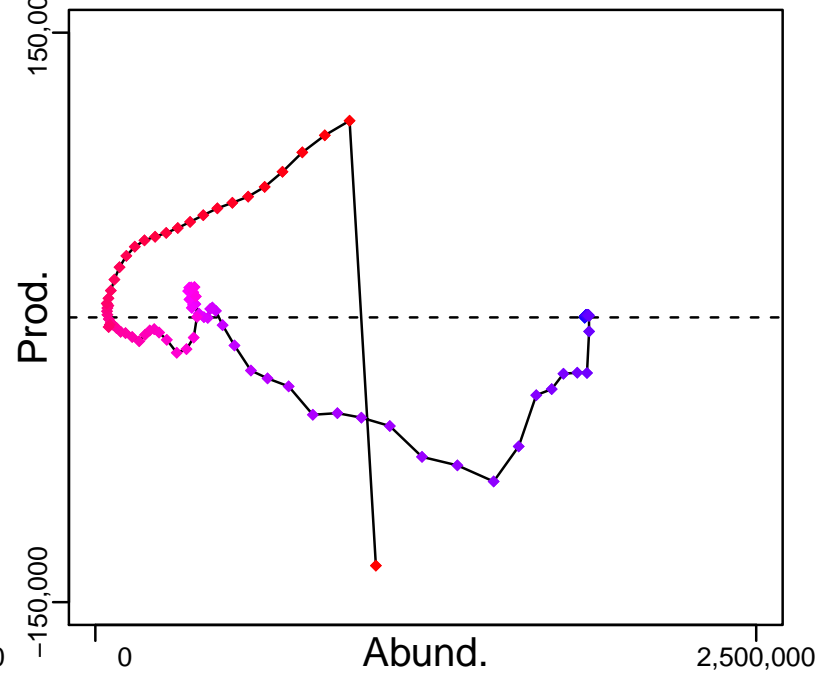
Kobe MGTpref (1913–2014–SISIMP2016)



Spawner Recruit (1913–2014–SISIMP2016)



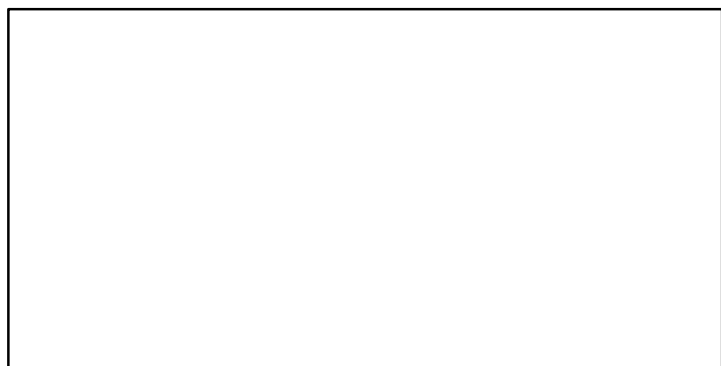
Production (1913–2014–SISIMP2016)



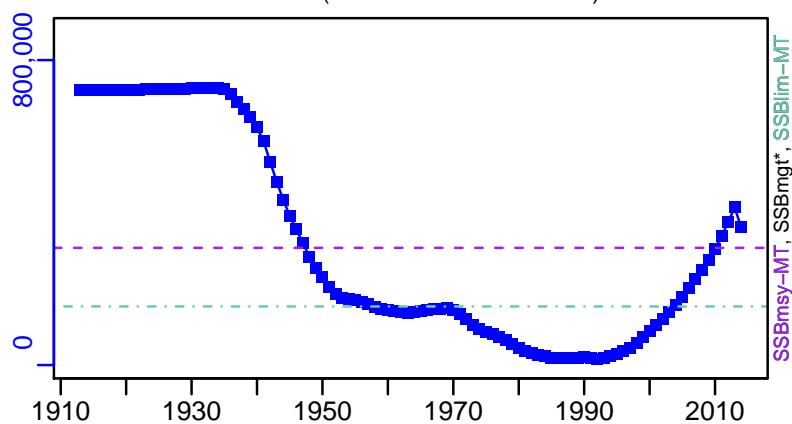
◆ Start Year ◆ End Year \* No Data

# Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]

TB\*



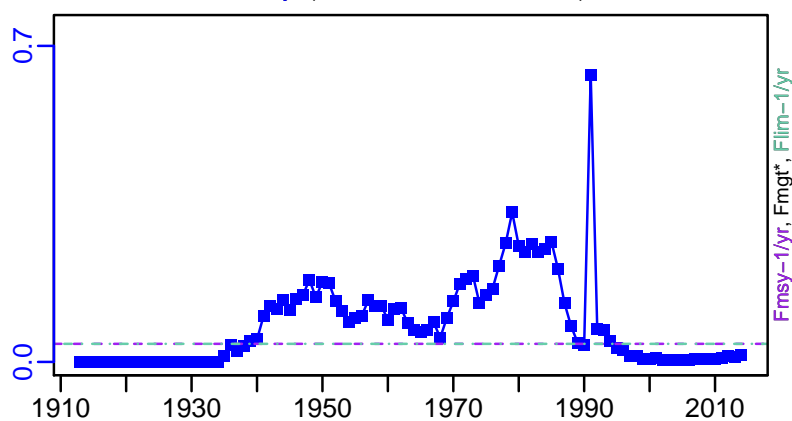
SSB-MT (1913-2014-SISIMP2016)



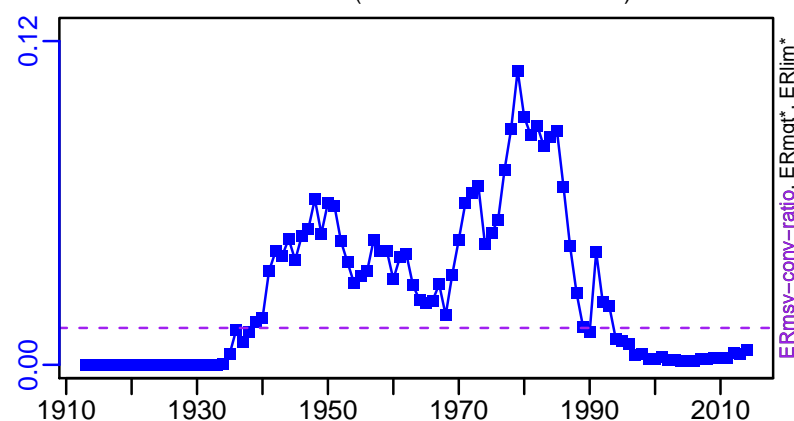
TN \*



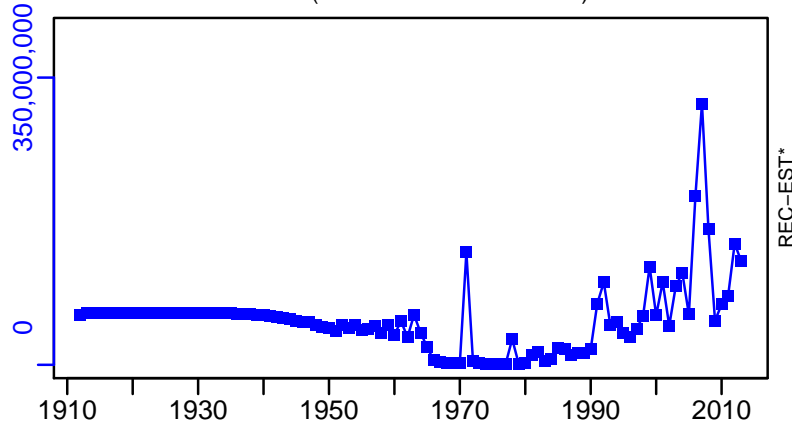
F-1/yr (1913-2014-SISIMP2016)



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



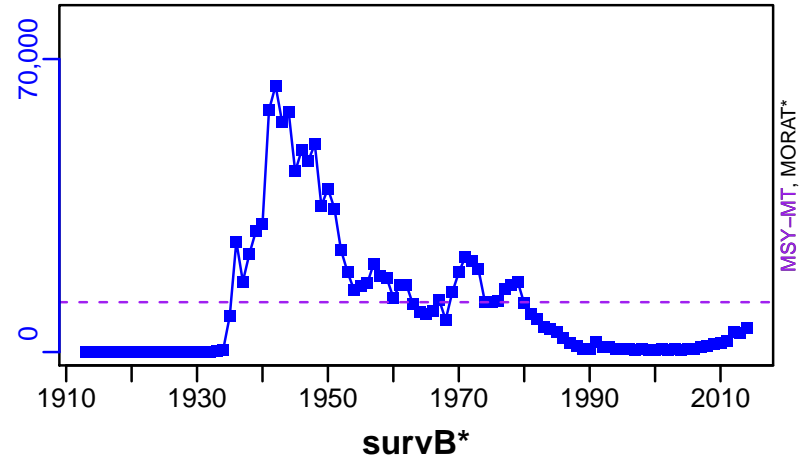
R-E00 (1913-2014-SISIMP2016)



# Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## American Plaice NAFO-5YZ [AMPL5YZ]

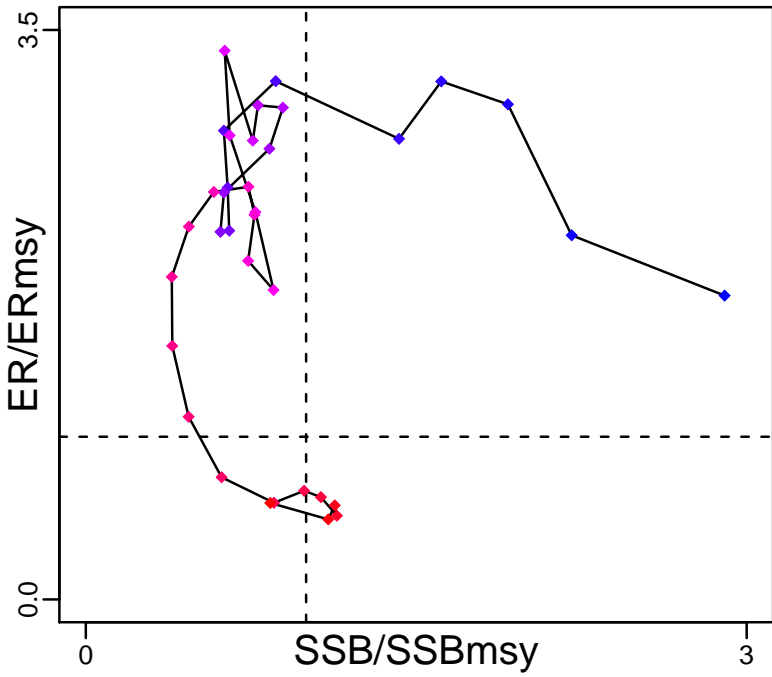
Metadata	
<b>Scientific Name</b>	Hippoglossoides platessoides
<b>Current Assess ID</b>	NEFSC-AMPL5YZ-1980-2014-SISIMP2016
<b>Area</b>	Gulf of Maine / Georges Bank
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
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

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

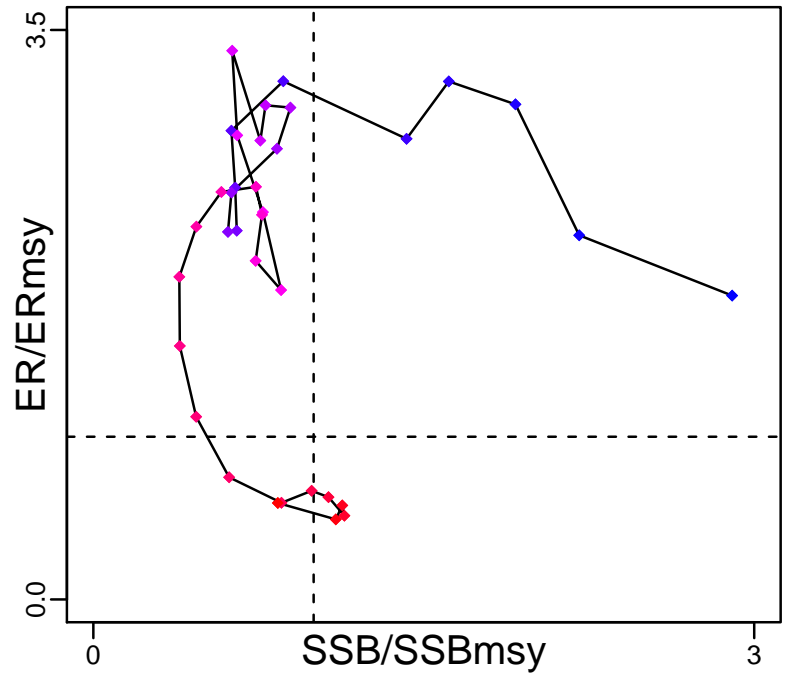
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	-	-	-	-	-
<b>SSB</b>	SSB-MT	2014	11,000	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2014	30,300,000	-	1
<b>F</b>	F-1/yr	2014	0	-	6 to 9
<b>ER</b>	ER-calc-ratio	2014	0	-	-
<b>TC</b>	TC-MT	2014	1330		
<b>TL</b>	TL-MT	2010	1400		
<b>TB/TBmsy</b>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

# American Plaice NAFO-5YZ [AMPL5YZ]

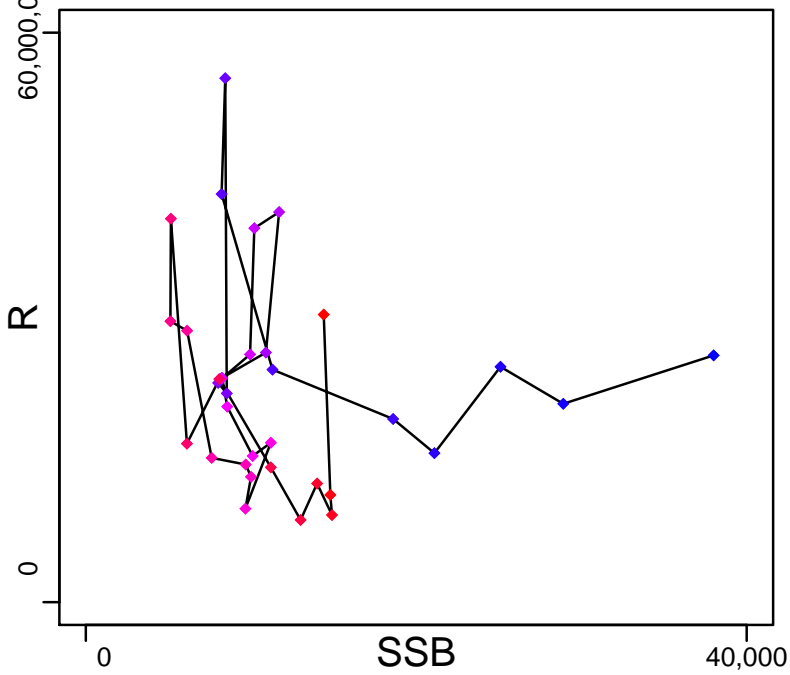
Kobe MSYpref (1980-2014-SISIMP2016)



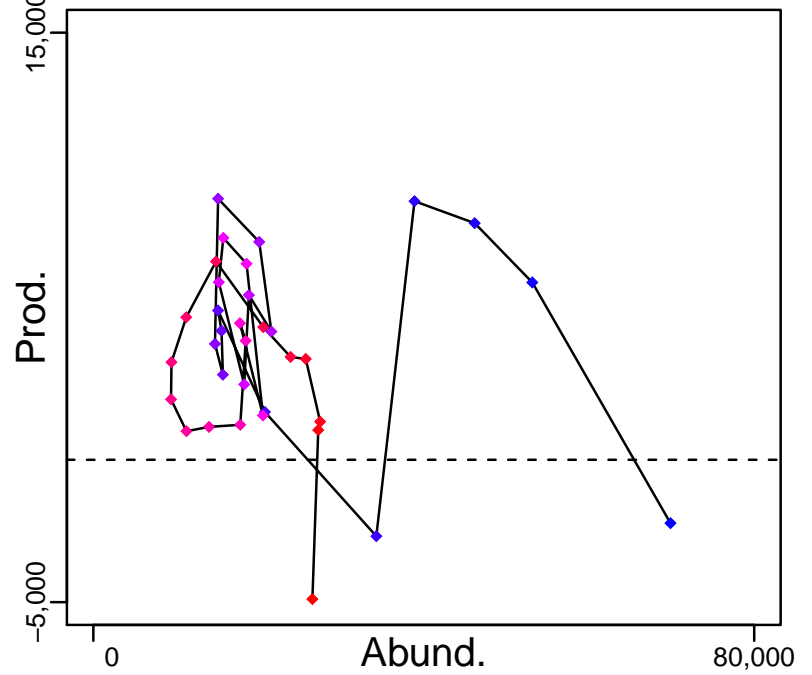
Kobe MGTpref (1980-2014-SISIMP2016)



Spawner Recruit (1980-2014-SISIMP2016)



Production (1980-2014-SISIMP2016)



◆ Start Year ◆ End Year \* No Data

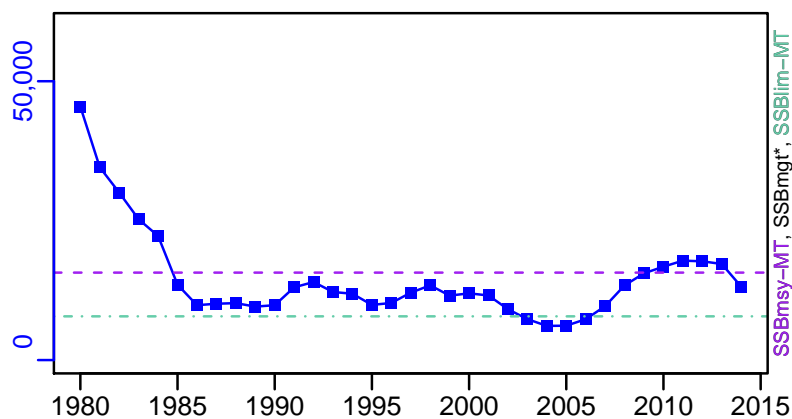


# American Plaice NAFO-5YZ [AMPL5YZ]

TB\*



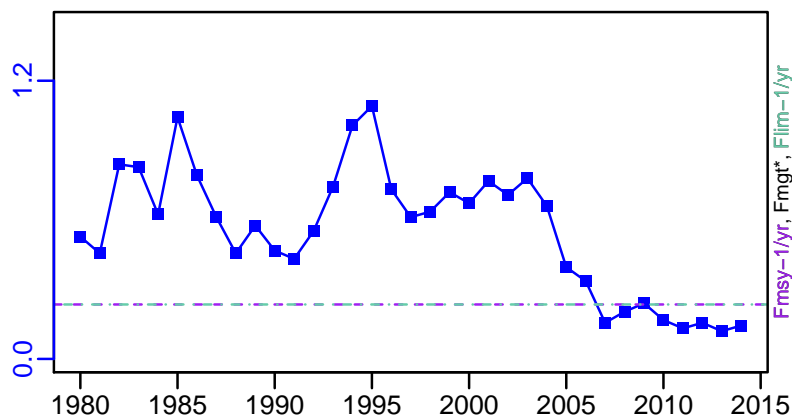
SSB-MT (1980-2014-SISIMP2016)



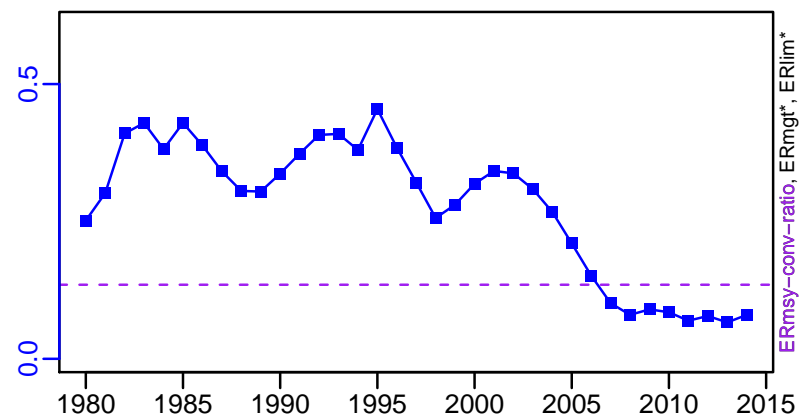
TN \*



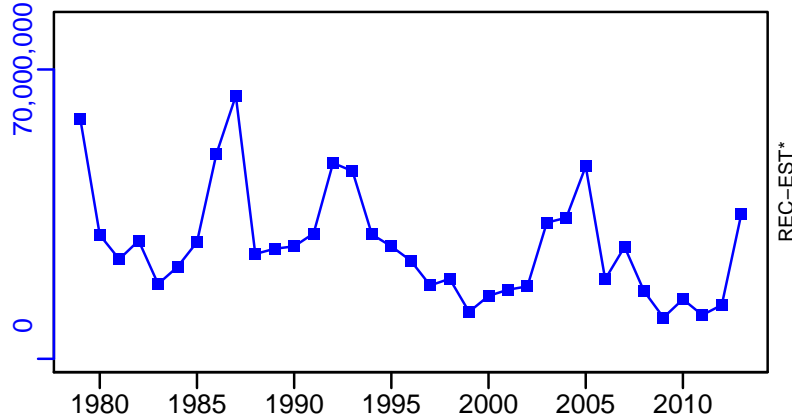
F-1/yr (1980-2014-SISIMP2016)



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



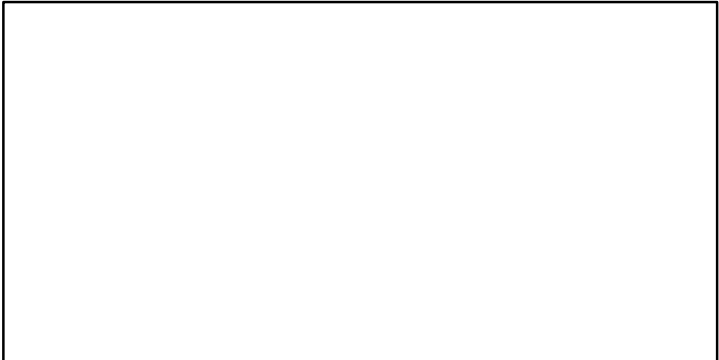
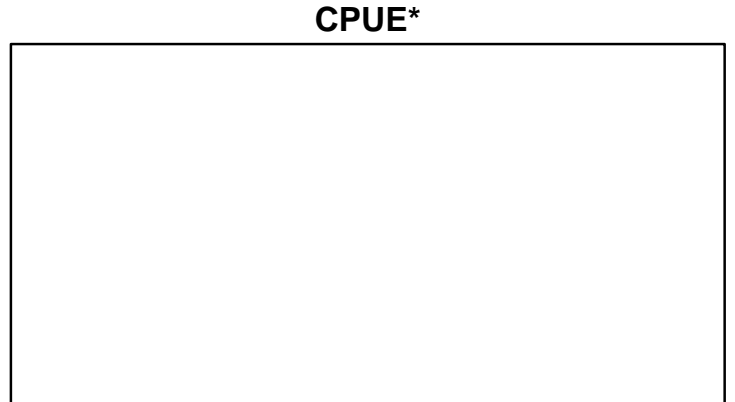
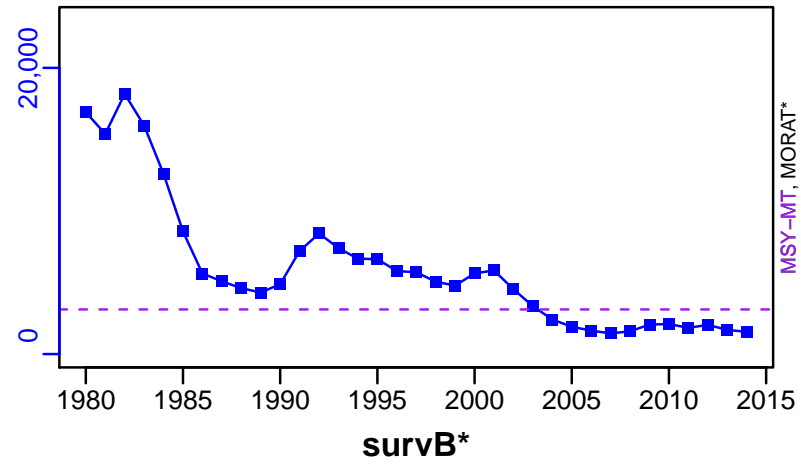
R-E00 (1980-2014-SISIMP2016)



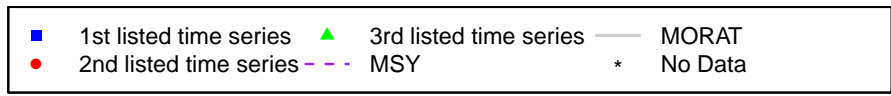
# American Plaice NAFO-5YZ [AMPL5YZ]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Atlantic Halibut NAFO-5YZ [ATHAL5YZ]

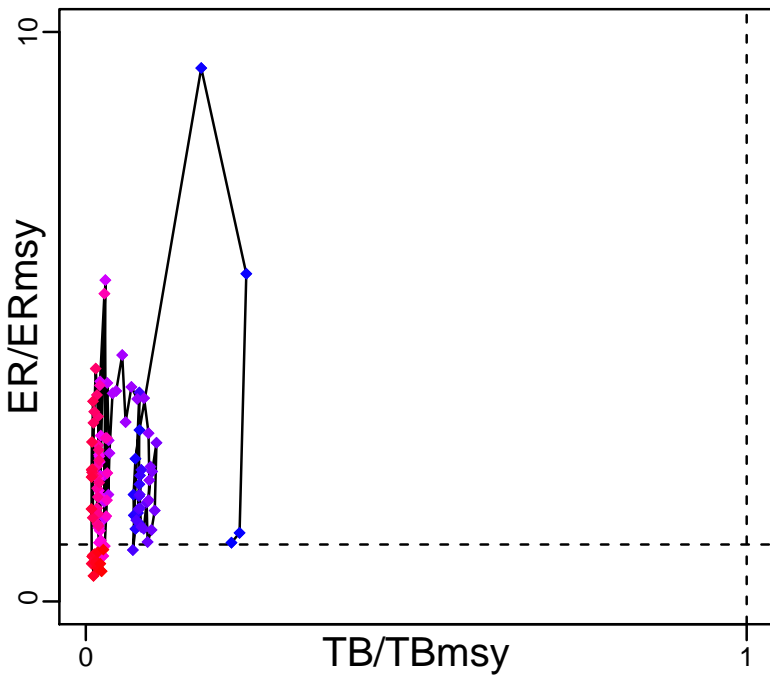
Metadata	
<b>Scientific Name</b>	Hippoglossus hippoglossus
<b>Current Assess ID</b>	NEFSC-ATHAL5YZ-1800-2007-COL
<b>Area</b>	Gulf of Maine / Georges Bank
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in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

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

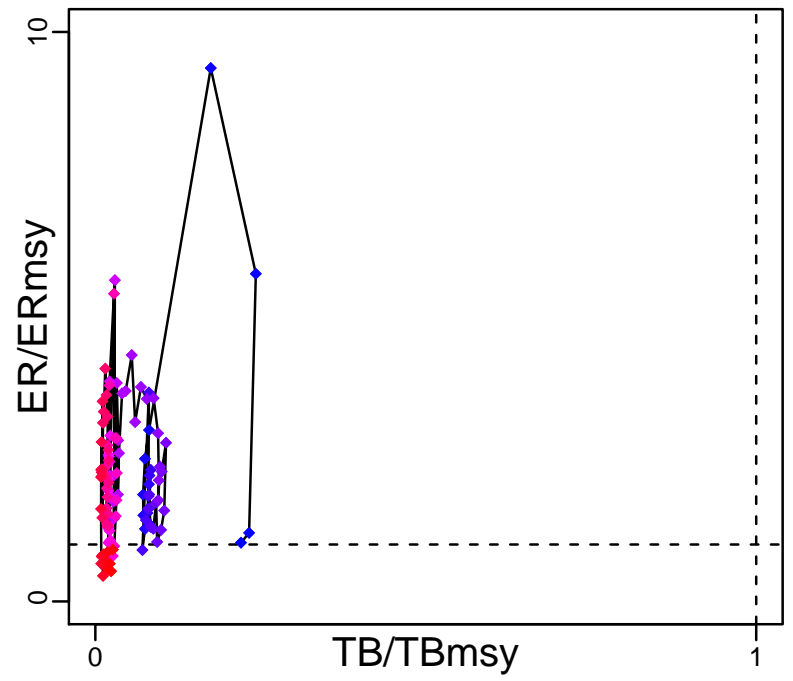
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2007	1300	-	-
<b>SSB</b>	-	-	-	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	-	-	-	-	-
<b>F</b>	F-1/yr	2007	0	-	-
<b>ER</b>	ER-ratio	2007	0	-	-
<b>TC</b>	TC-MT	2007	84.2		
<b>TL</b>	TL-MT	2007	52		
<b>TB/TBmsy</b>	TB-MT/TBmsy-MT	2007	0.03		
<b>SSB/SSBmsy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

# Atlantic Halibut NAFO-5YZ [ATHAL5YZ]

Kobe MSYpref (1800-2007-COL)



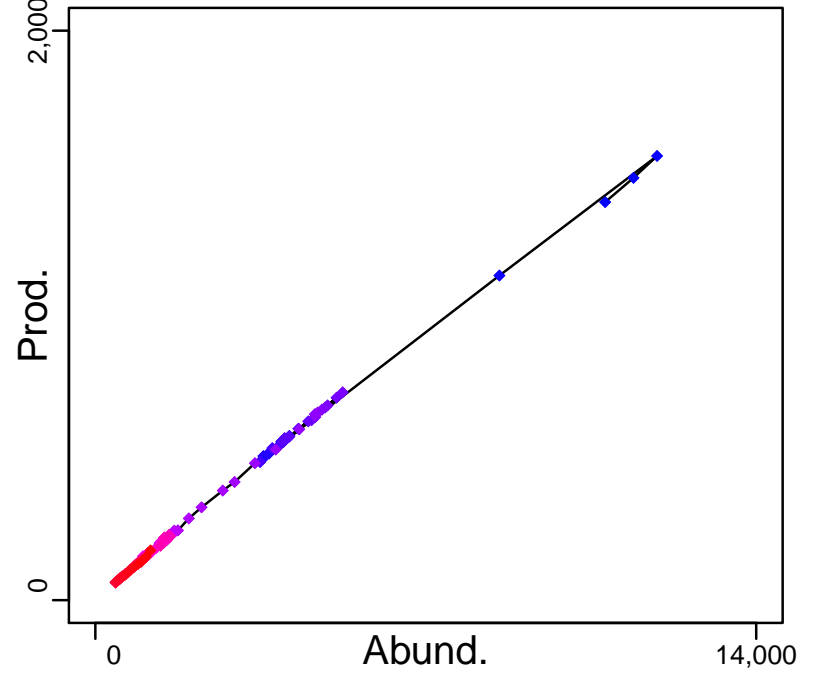
Kobe MGTpref (1800-2007-COL)



Spawner Recruit\*



Production (1800-2007-COL)

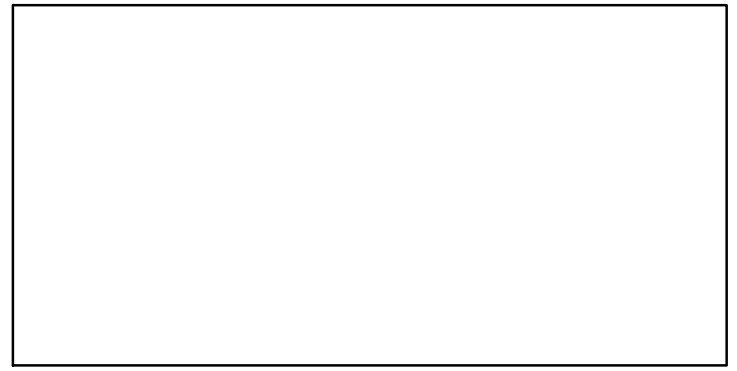
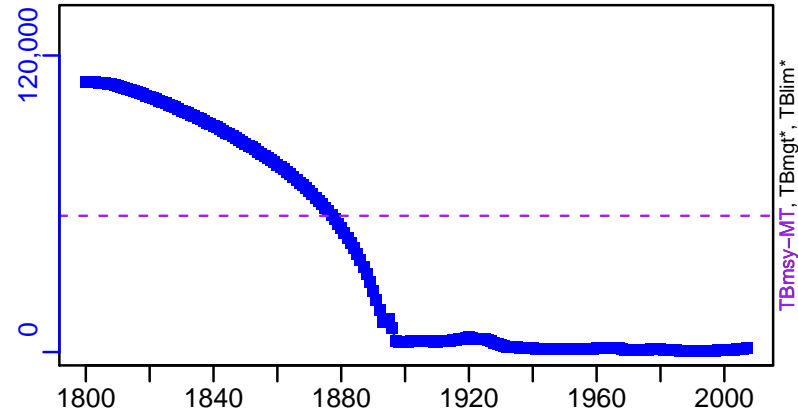


◆ Start Year ◆ End Year \* No Data

# Atlantic Halibut NAFO-5YZ [ATHAL5YZ]

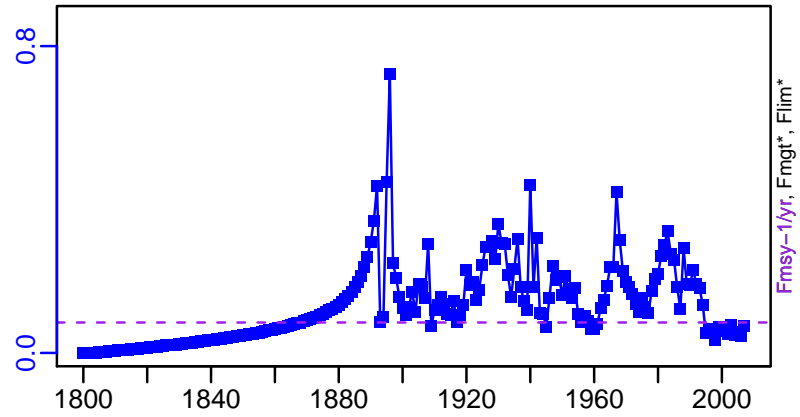
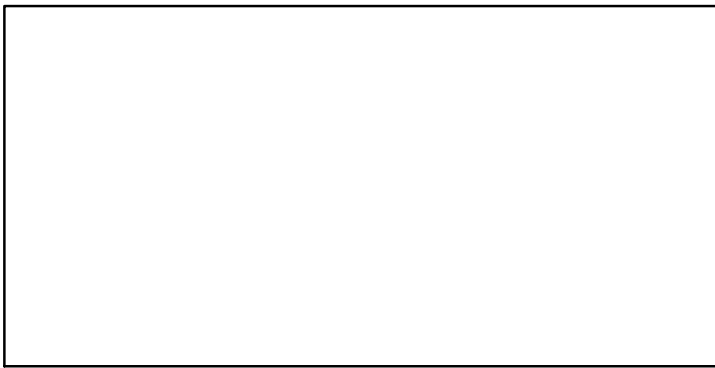
TB-MT (1800-2007-COL)

SSB\*



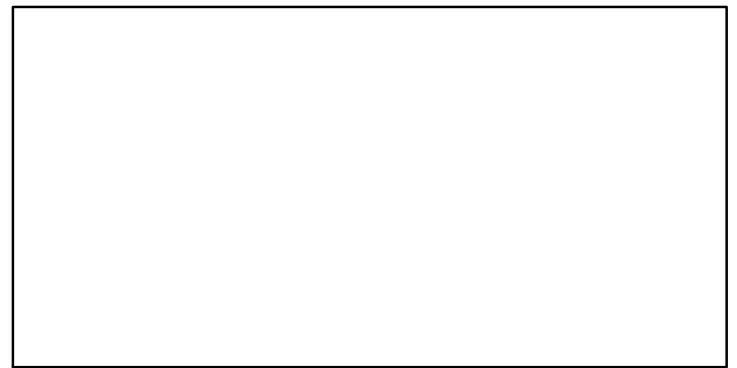
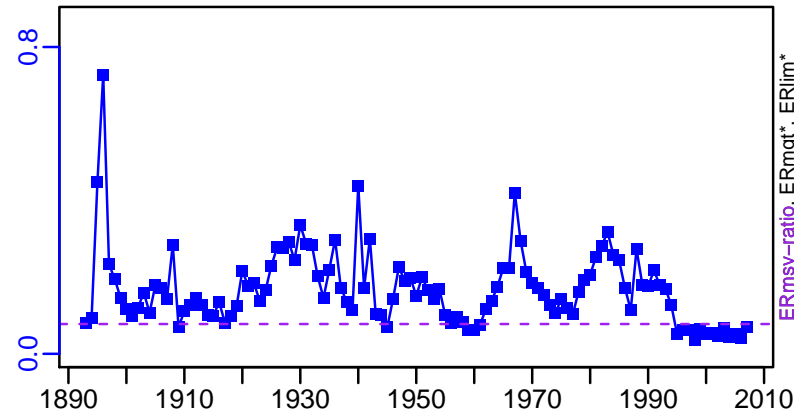
TN \*

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



ER-ratio (1800-2007-COL)

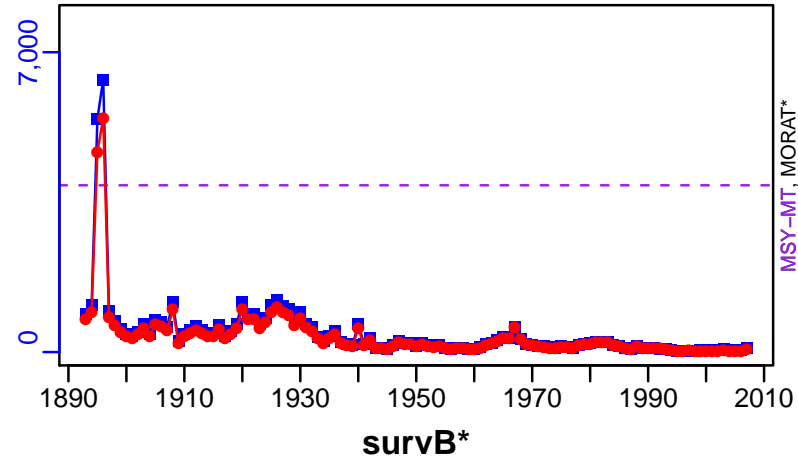
Recruits\*



# Atlantic Halibut NAFO-5YZ [ATHAL5YZ]

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

TAC\*, Cpair\*, Cadv\*



CPUE\*

EFFORT\*

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

## Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]

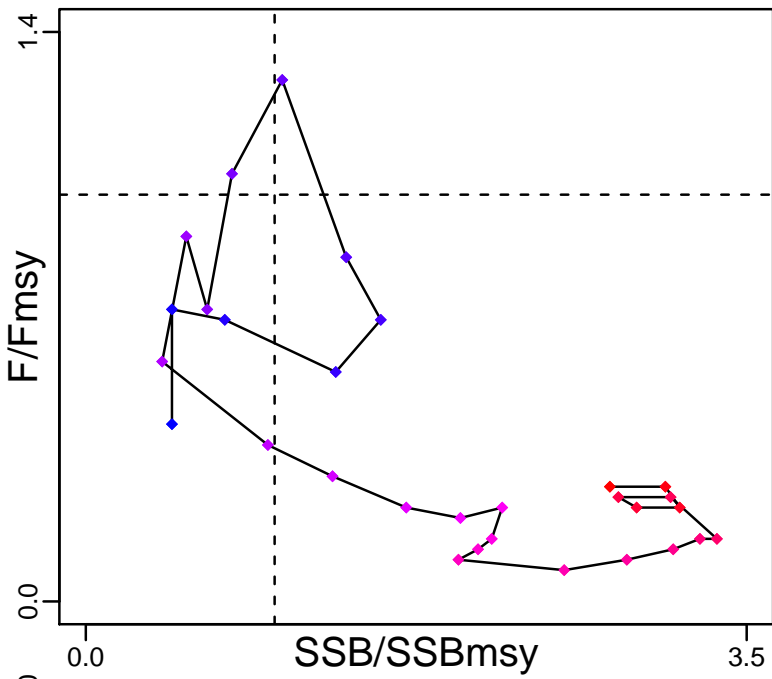
Metadata	
<b>Scientific Name</b>	Micropogonias undulatus
<b>Current Assess ID</b>	ASMFC-ATLCROAKMATLC-1973-2002-STANTON
<b>Area</b>	Mid-Atlantic Coast
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Atlantic States Marine Fisheries Commission
<b>Asmts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

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

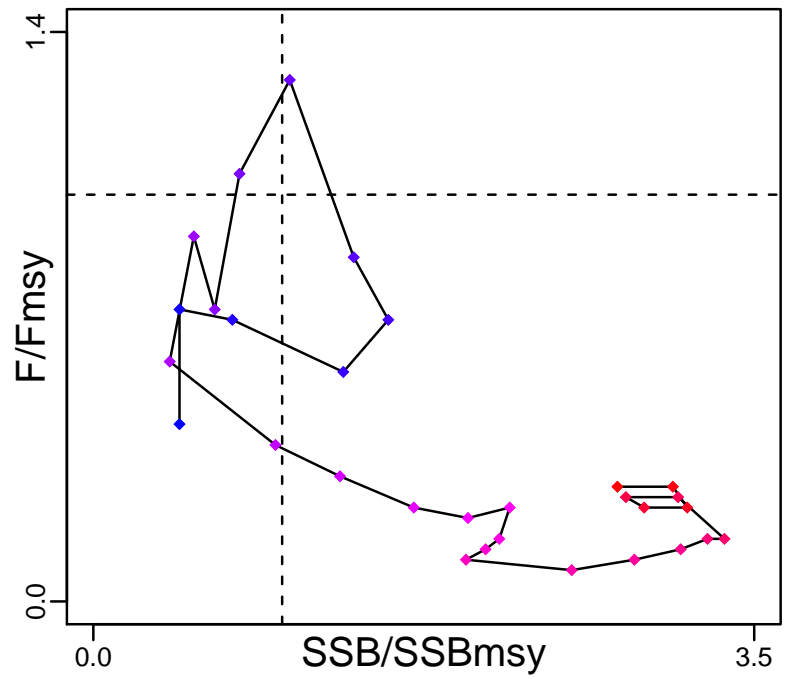
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	-	-	-	-	-
<b>SSB</b>	SSB-MT	2002	80,300	Females	1+
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2002	$3.39 \times 10^8$	-	0
<b>F</b>	F-1/yr	2002	0	-	1 to 10
<b>ER</b>	ER-ratio	2002	0	-	-
<b>TC</b>	-	-	-		
<b>TL</b>	TL-MT	2002	16,300		
<b>TB/TBmsy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

# Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]

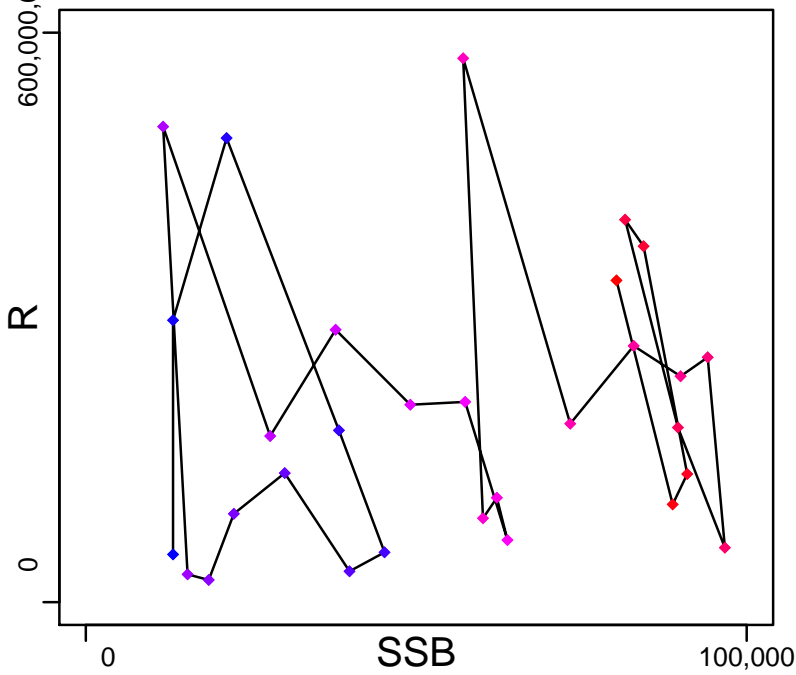
Kobe MSYpref (1973–2002–STANTON)



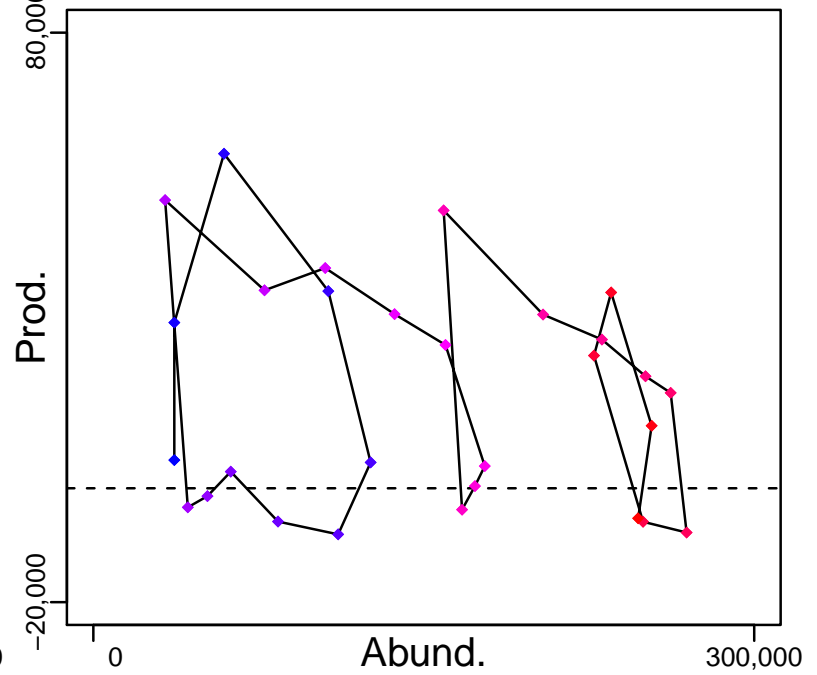
Kobe MGTpref (1973–2002–STANTON)



Spawner Recruit (1973–2002–STANTON)



Production (1973–2002–STANTON)



◆ Start Year ◆ End Year \* No Data

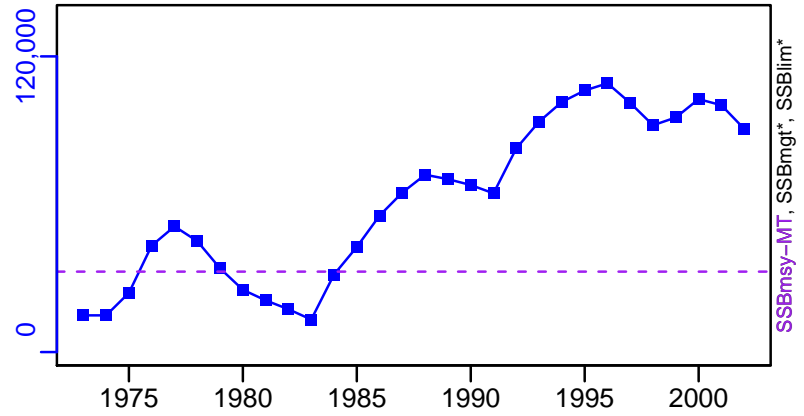


# Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]

TB\*



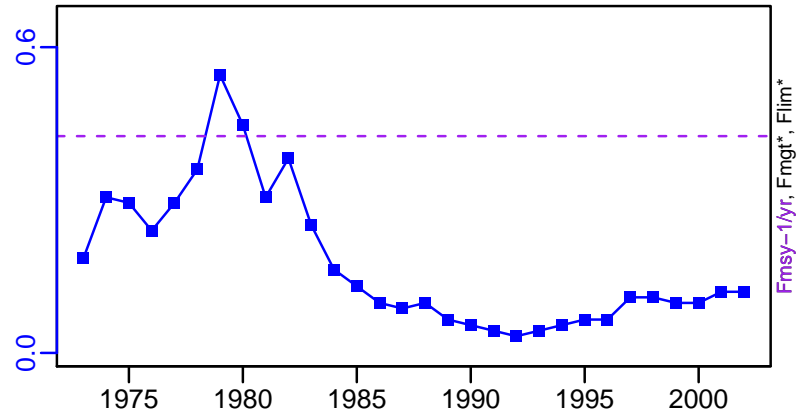
SSB-MT (1973-2002-STANTON)



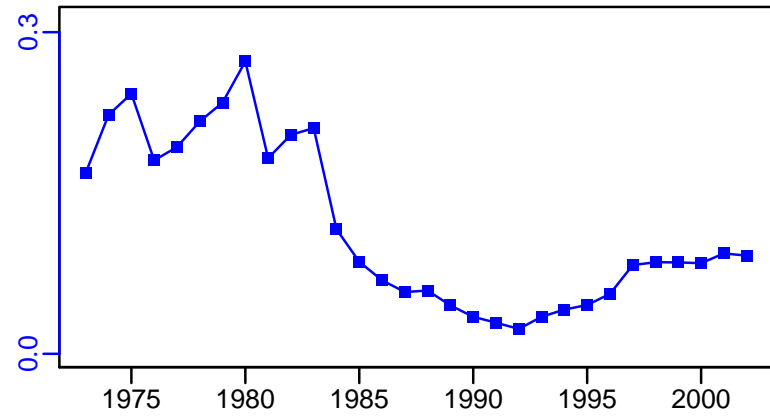
TN \*



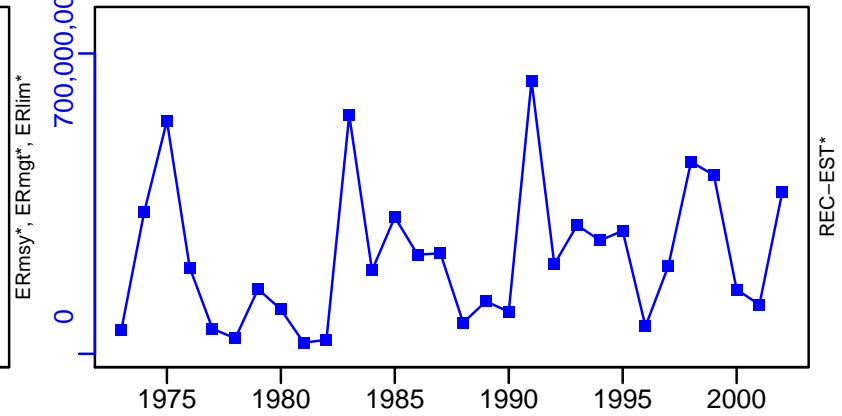
F-1/yr (1973-2002-STANTON)



ER-ratio (1973-2002-STANTON)

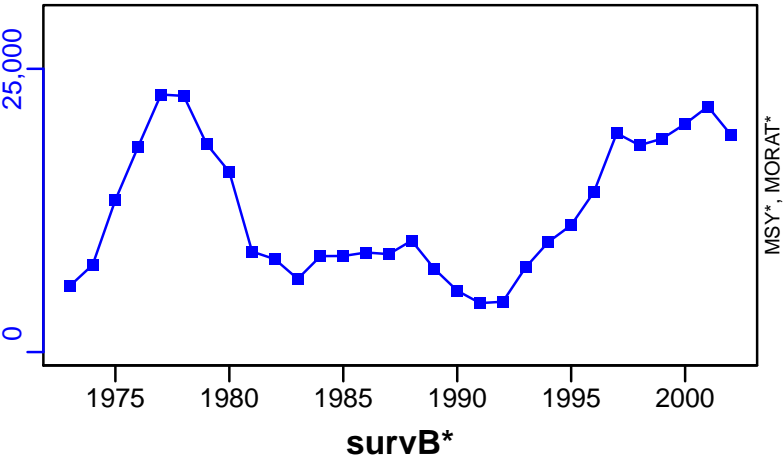


R-E00 (1973-2002-STANTON)



Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]

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



TAC\*, Cpair\*, Cadv\*



CPUE\*



EFFORT\*



## Atlantic wolffish Gulf of Maine / Georges Bank [AWOLF5YZ]

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

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

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

**Kobe MSY\***



**Kobe MGT\***



**Spawner Recruit\***



**Production\***



◆ Start Year   ◆ End Year   \* No Data

Atlantic wolffish Gulf of Maine / Georges Bank [AWOLF5YZ]

TB\*



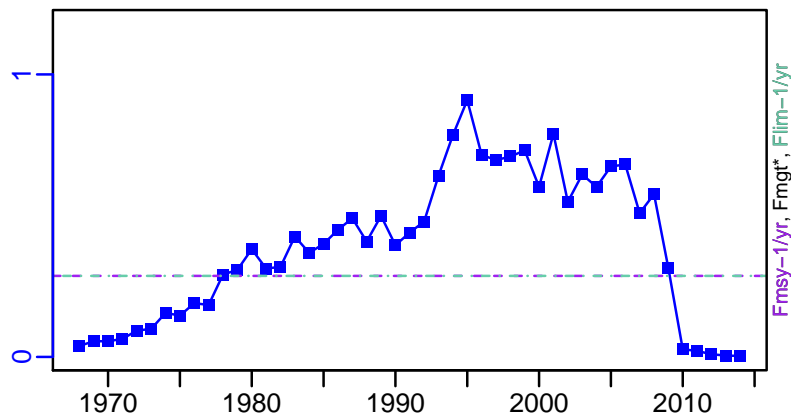
SSB\*



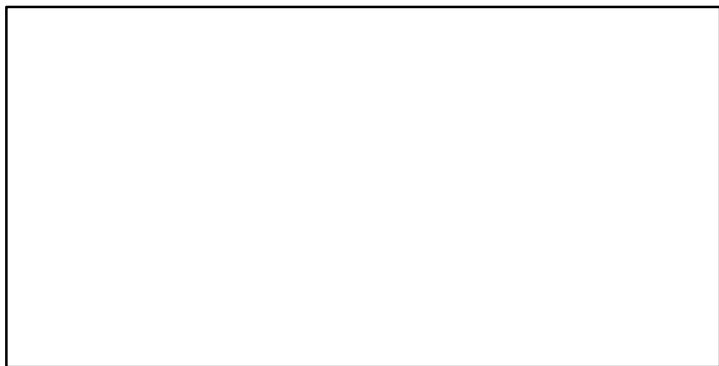
TN \*



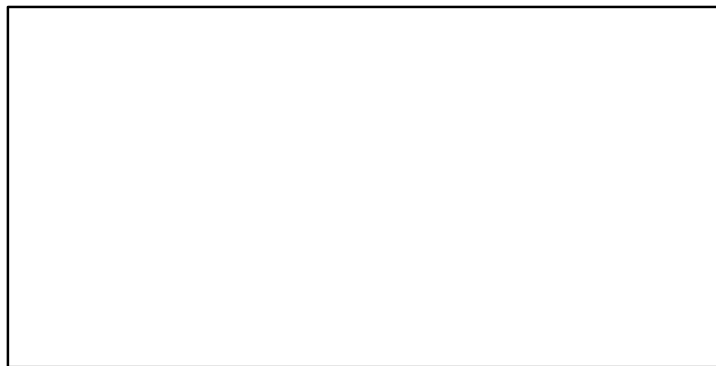
F-1/yr (1968–2014–SISIMP2016)



ER\*



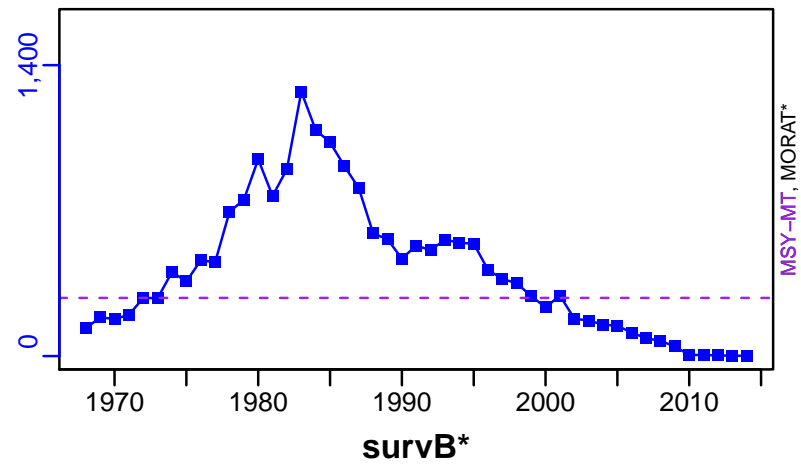
Recruits\*



# Atlantic wolffish Gulf of Maine / Georges Bank [AWOLF5YZ]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Blue Crab Chesapeake Bay [BCRABCHESB]

Metadata	
<b>Scientific Name</b>	Callinectes sapidus
<b>Current Assess ID</b>	CBP-BCRABCHESB-1990-2010-HIVELY
<b>Area</b>	Cheapeake Bay
<b>Management Authority</b>	State of Maryland
<b>Assessor</b>	Chesapeake Bay Program
<b>Asmts in RAM</b>	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	$1.77 \times 10^8$	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2010	0	-	-
TC	TC-E00	2010	$1.69 \times 10^8$		
TL	TL-MT	2010	24,400		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2010	0.57		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

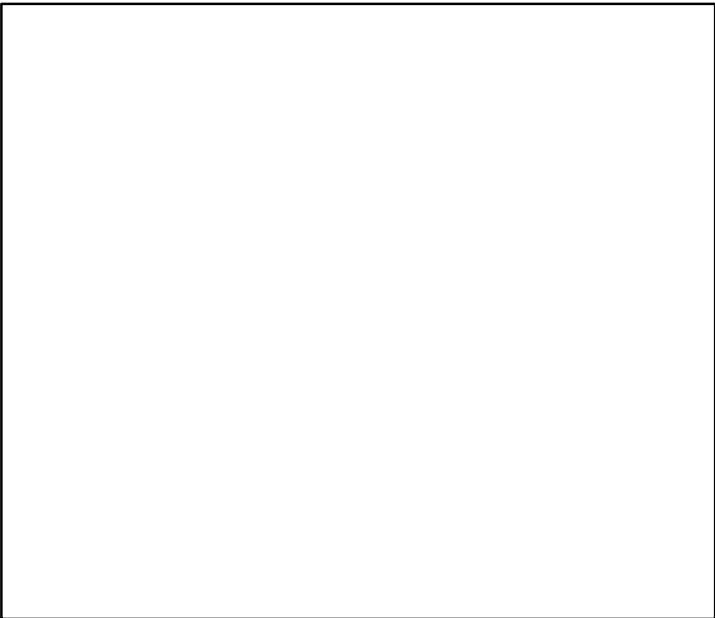
Kobe MSY\*



Kobe MGT\*



Spawner Recruit\*



Production\*



◆ Start Year   ◆ End Year   \* No Data



Blue Crab Chesapeake Bay [BCRABCHESB]

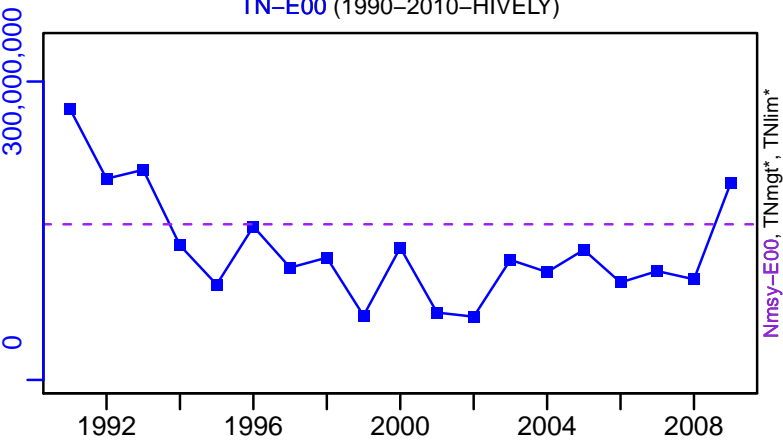
TB\*



SSB\*



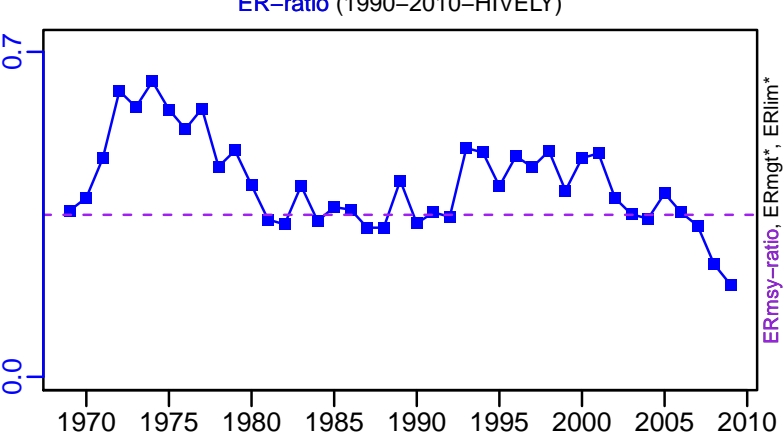
TN-E00 (1990-2010-HIVELY)



F\*



ER-ratio (1990-2010-HIVELY)

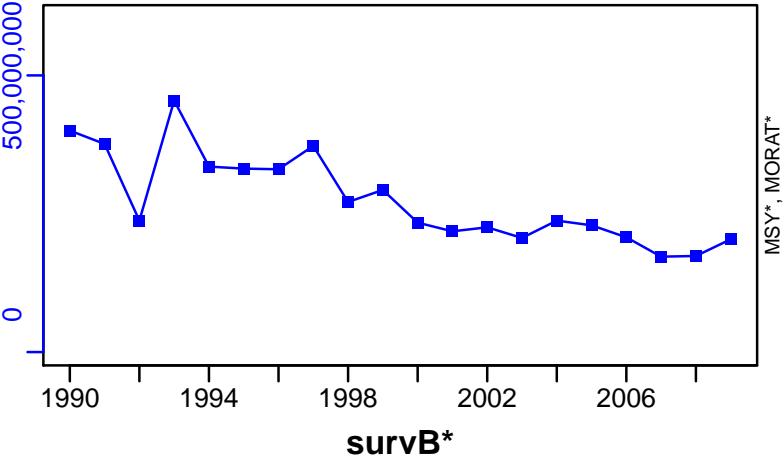


Recruits\*



Blue Crab Chesapeake Bay [BCRABCHESB]

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



TAC\*, Cpair\*, Cadv\*



CPUE\*



EFFORT\*



## Bluefish Atlantic Coast [BLUEFISHATLC]

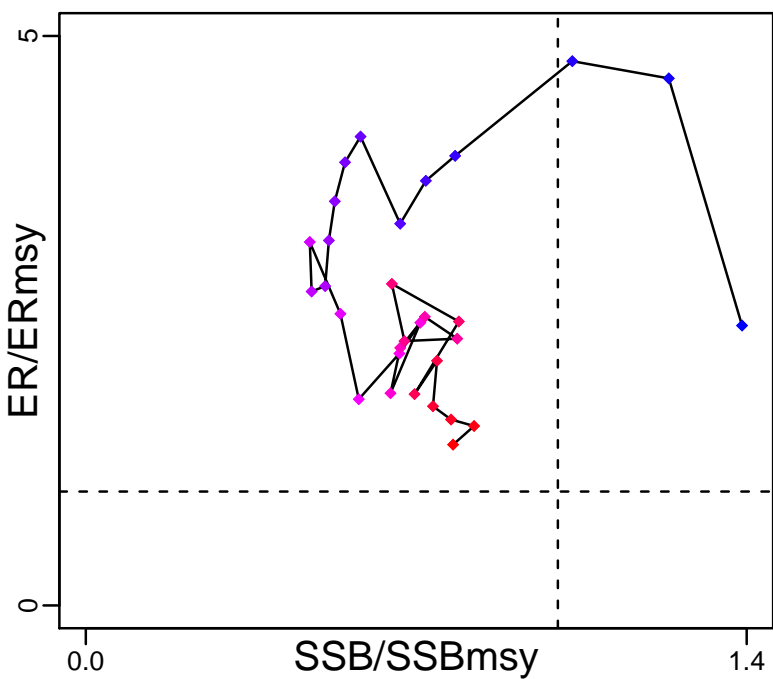
Metadata	
<b>Scientific Name</b>	Pomatomus saltatrix
<b>Current Assess ID</b>	NEFSC-BLUEFISHATLC-1985-2014-SISIMP2016
<b>Area</b>	Atlantic Coast
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in RAM</b>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

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

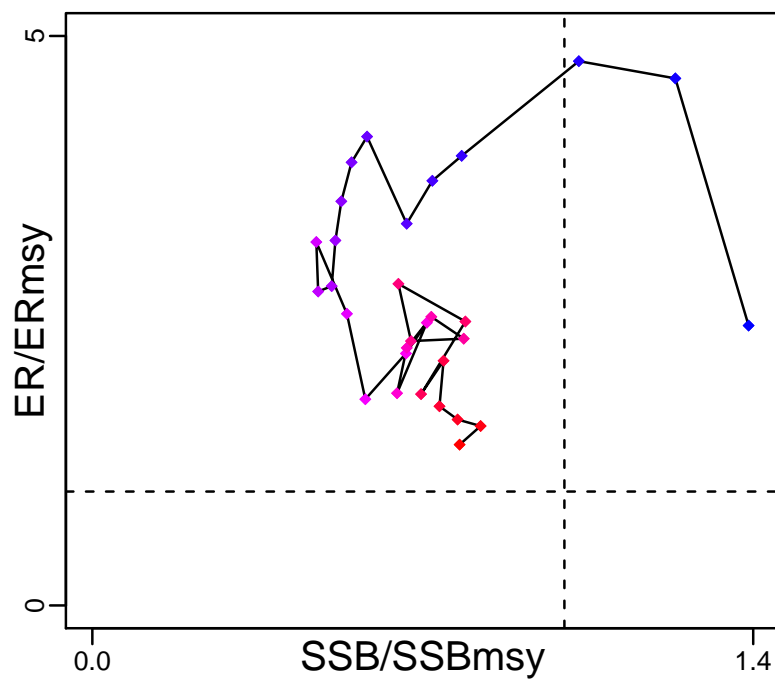
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2014	94,300	-	-
<b>SSB</b>	SSB-MT	2014	86,500	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2014	29,600,000	-	0
<b>F</b>	F-1/yr	2014	0	-	-
<b>ER</b>	ER-calc-ratio	2014	0	-	-
<b>TC</b>	TC-MT	2014	9820		
<b>TL</b>	-	-	-		
<b>TB/TBmsy</b>	TB-MT/TBmsy-MT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

# Bluefish Atlantic Coast [BLUEFISHATLC]

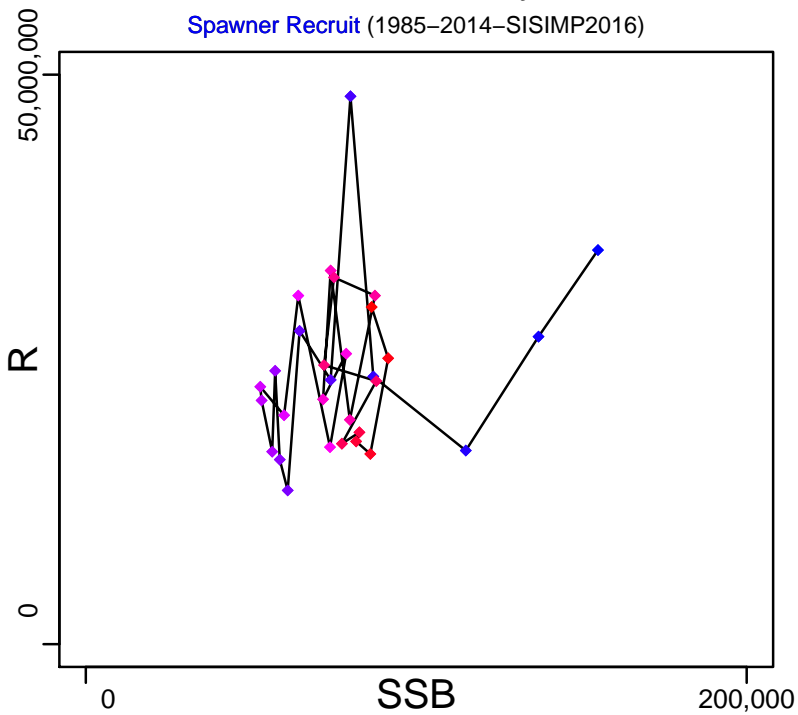
Kobe MSYpref (1985–2014–SISIMP2016)



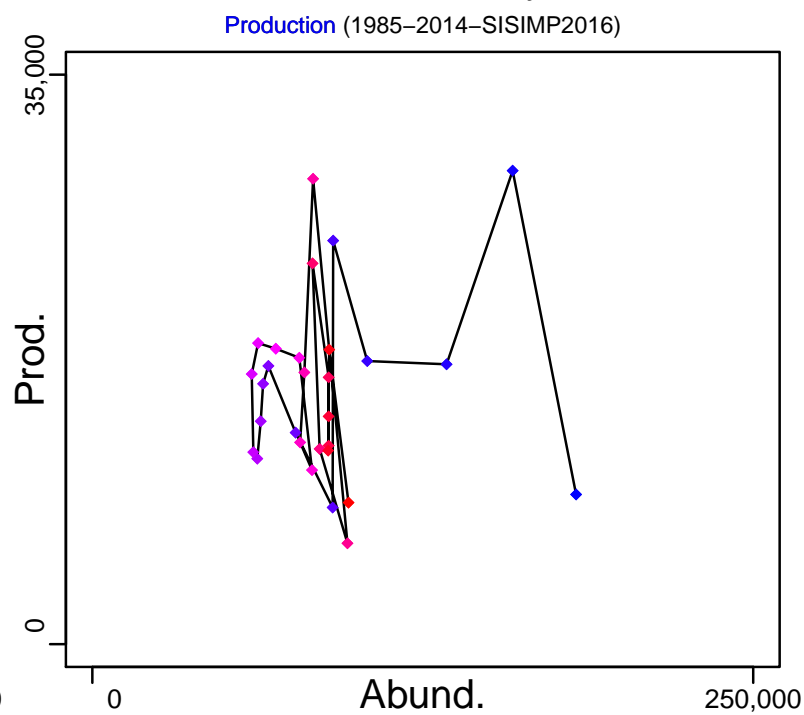
Kobe MGTpref (1985–2014–SISIMP2016)



Spawner Recruit (1985–2014–SISIMP2016)



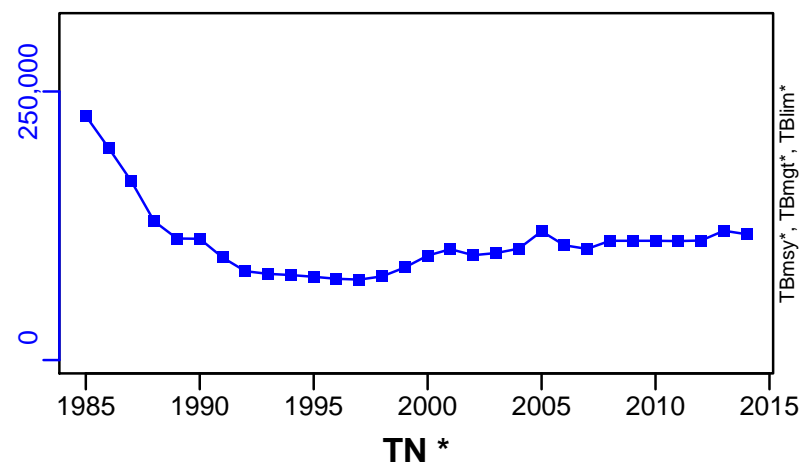
Production (1985–2014–SISIMP2016)



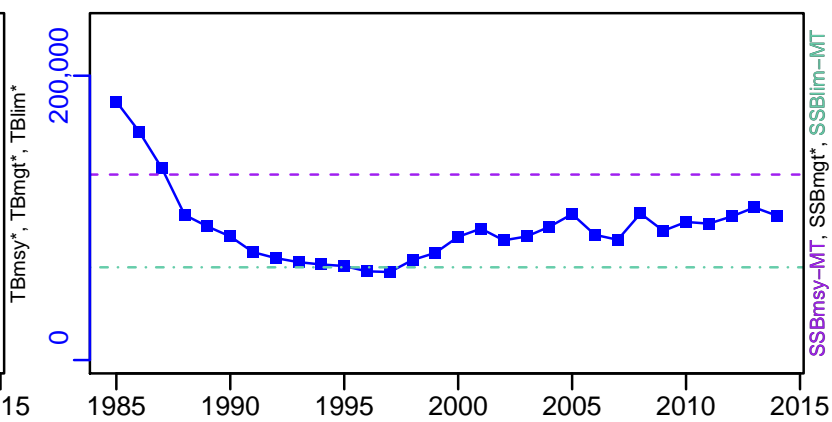
◆ Start Year ◆ End Year \* No Data

# Bluefish Atlantic Coast [BLUEFISHATLC]

TB-MT (1985–2014–SISIMP2016)

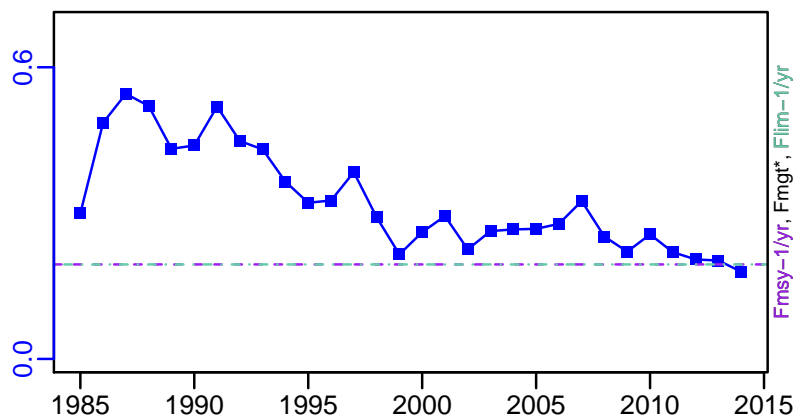


SSB-MT (1985–2014–SISIMP2016)

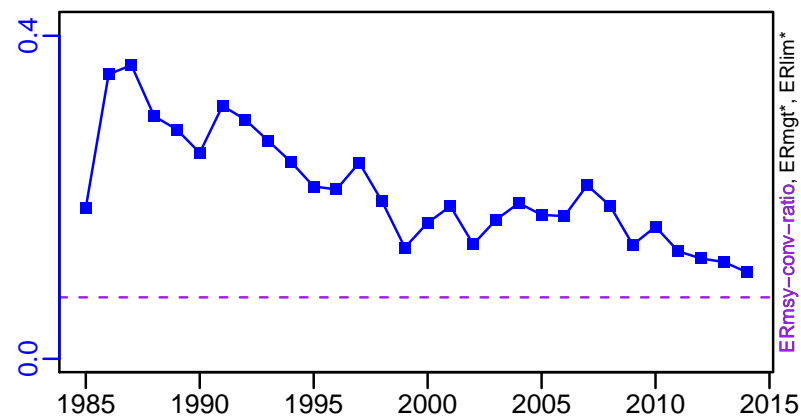


TN \*

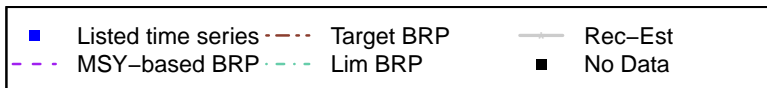
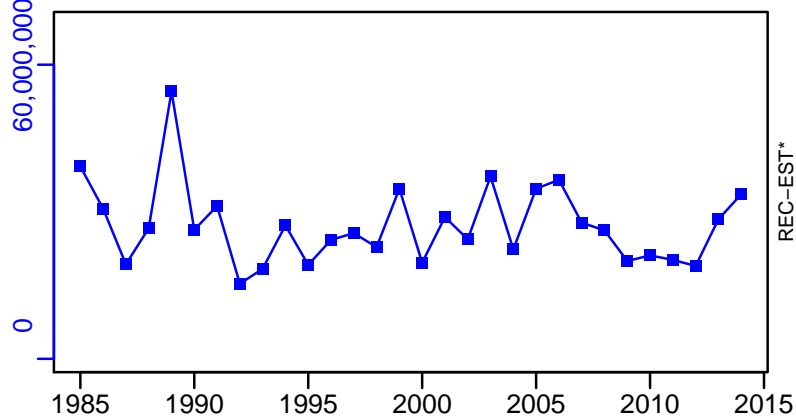
F-1/yr (1985–2014–SISIMP2016)



ER-calc-ratio (1985–2014–SISIMP2016)



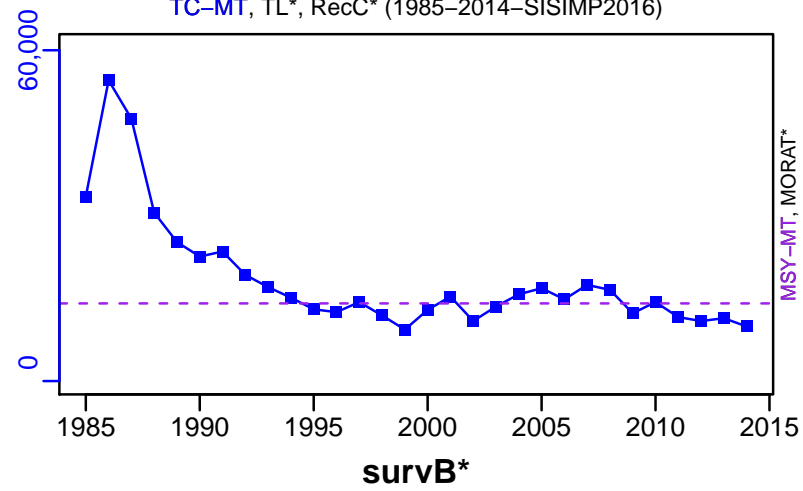
R-E00 (1985–2014–SISIMP2016)



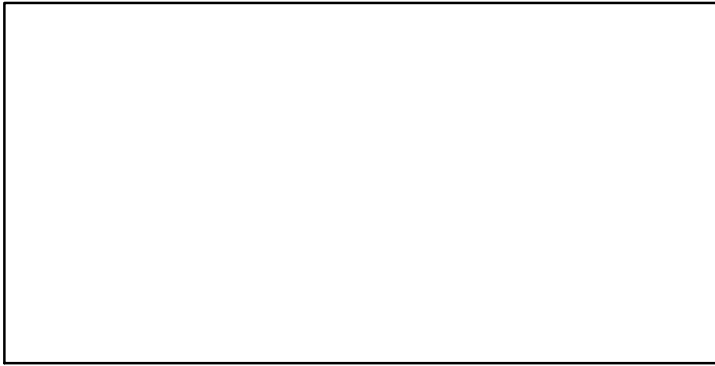
# Bluefish Atlantic Coast [BLUEFISHATLC]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Black sea bass Mid-Atlantic Coast [BSBASSMATLC]

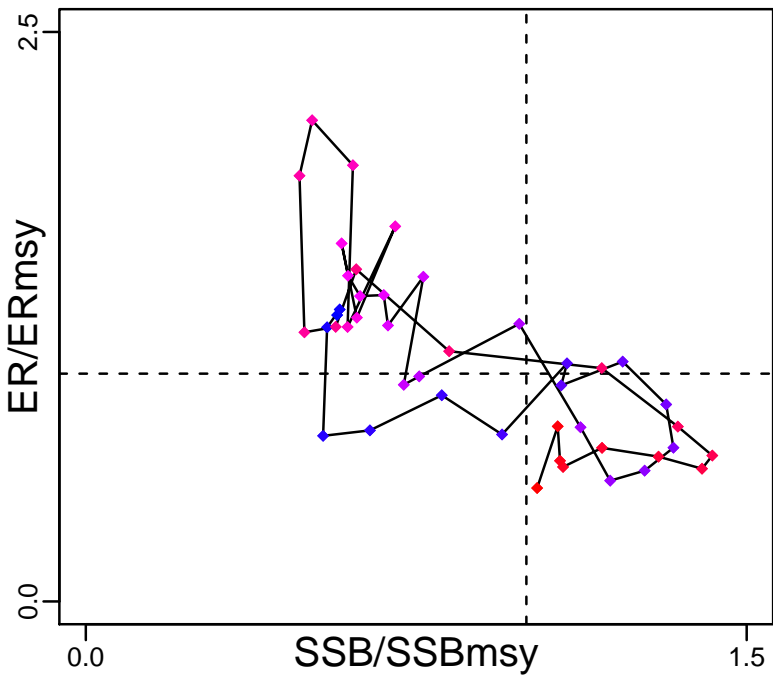
Metadata	
<b>Scientific Name</b>	Centropristis striata
<b>Current Assess ID</b>	NEFSC-BSBASSMATLC-1968-2011-SISIMP2016
<b>Area</b>	Mid-Atlantic Coast
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in RAM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

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

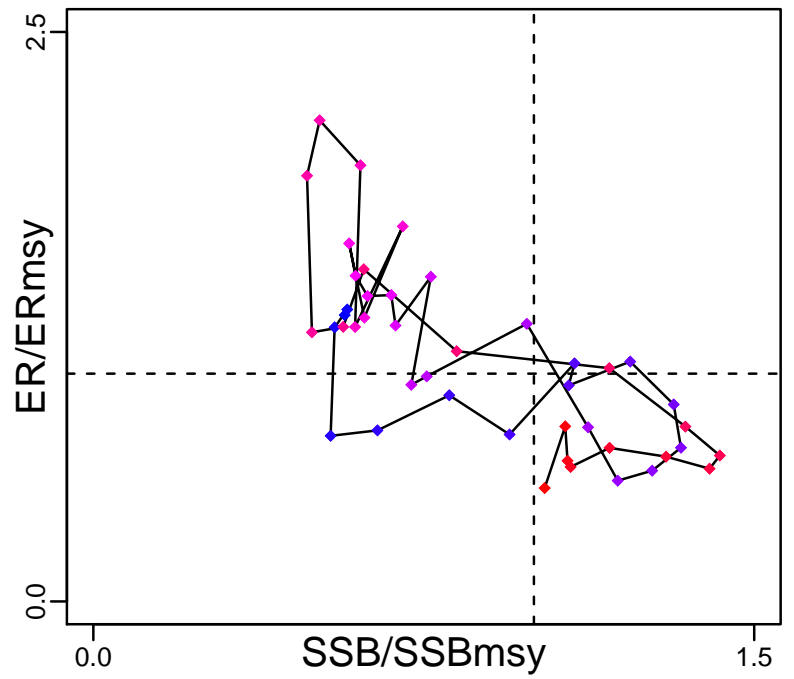
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2011	12,700	-	1+
<b>SSB</b>	SSB-MT	2011	11,100	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2011	$2.1 \times 10^7$	-	0
<b>F</b>	F-1/yr	2011	0	-	3+
<b>ER</b>	ER-calc-ratio	2011	0	-	-
<b>TC</b>	TC-MT	2011	1550		
<b>TL</b>	TL-MT	2007	2040	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

# Black sea bass Mid-Atlantic Coast [BSBASSMATLC]

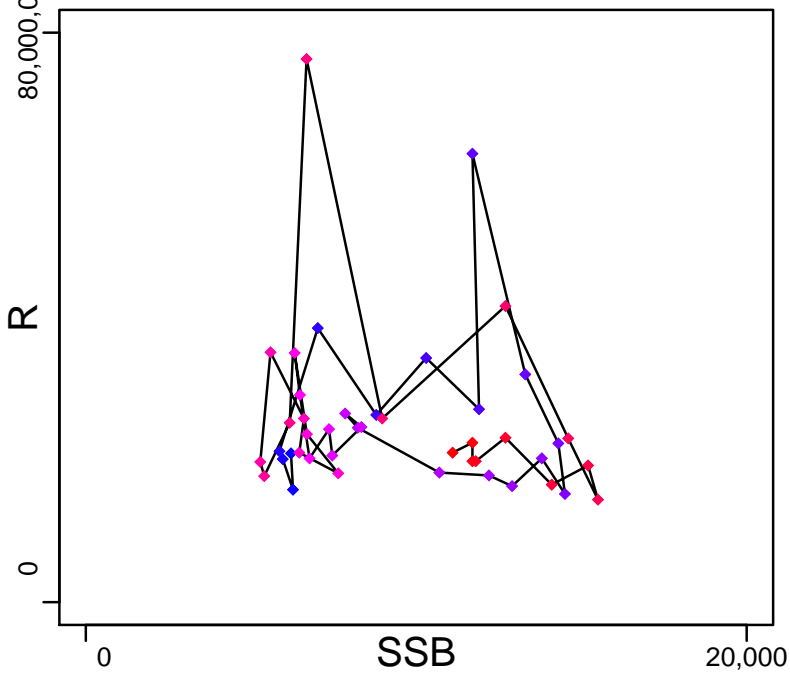
Kobe MSYpref (1968–2011–SISIMP2016)



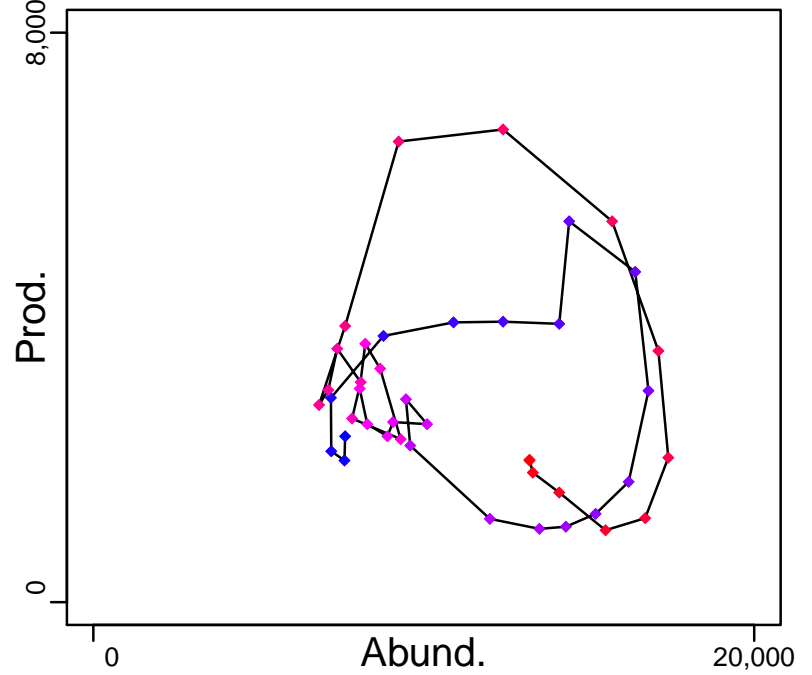
Kobe MGTpref (1968–2011–SISIMP2016)



Spawner Recruit (1968–2011–SISIMP2016)



Production (1968–2011–SISIMP2016)

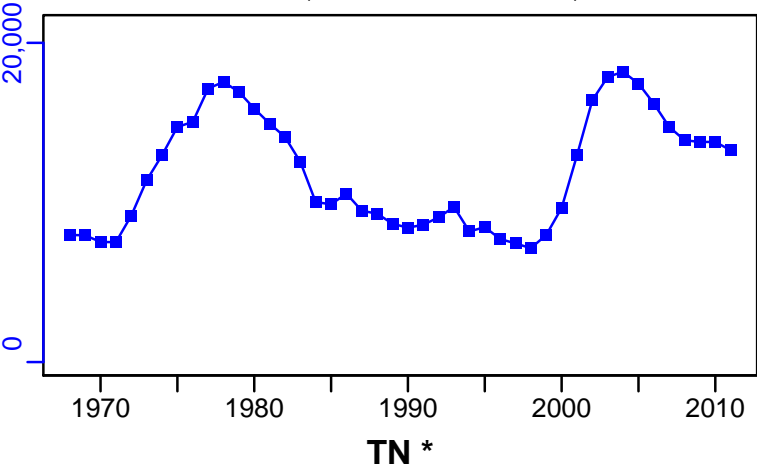


◆ Start Year ◆ End Year \* No Data

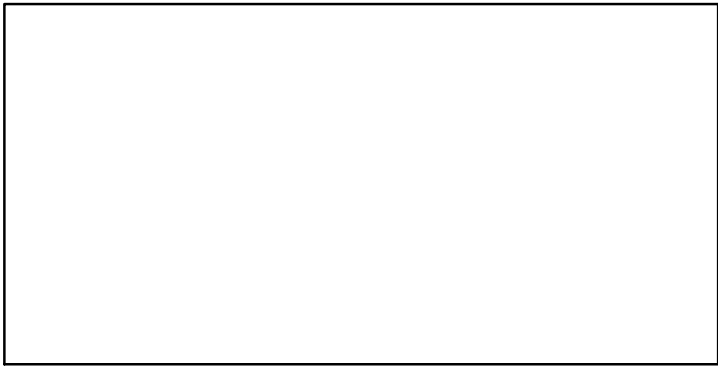
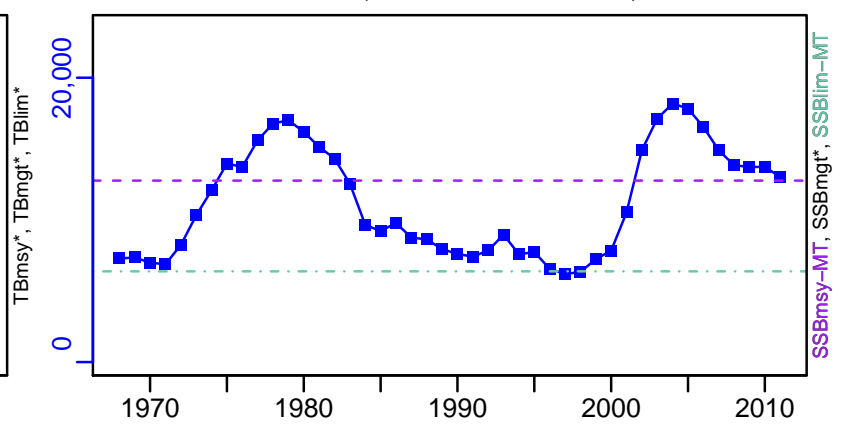


# Black sea bass Mid-Atlantic Coast [BSBASSMATLC]

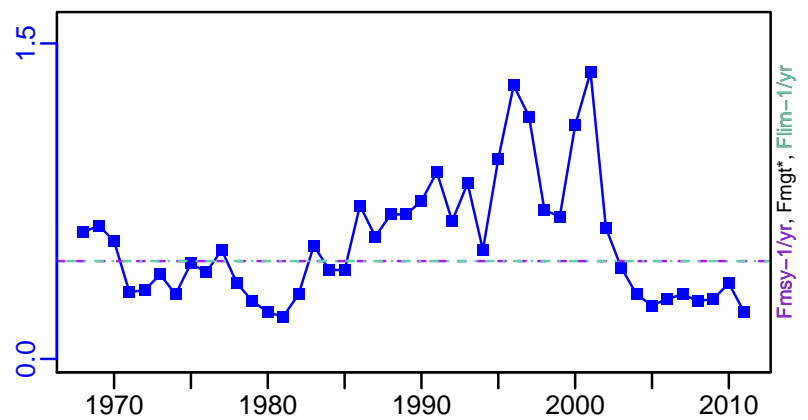
TB-MT (1968–2011–SISIMP2016)



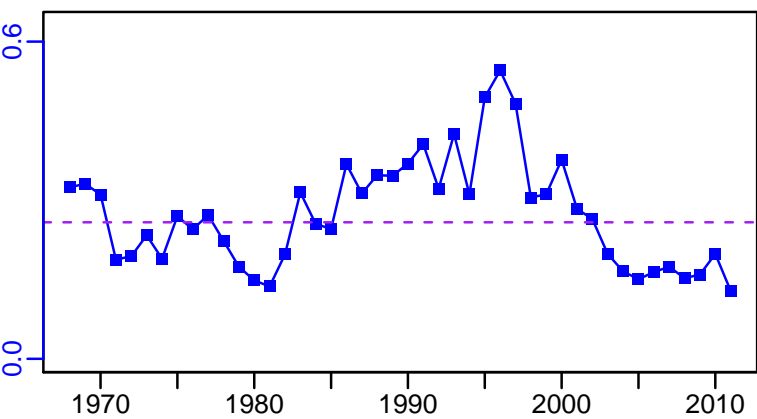
SSB-MT (1968–2011–SISIMP2016)



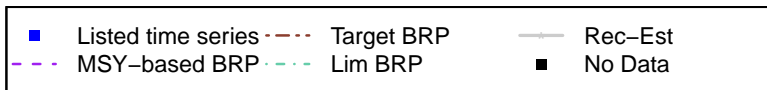
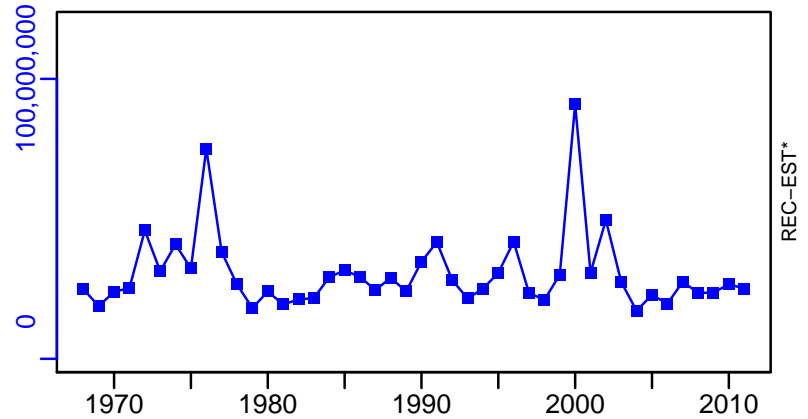
F-1/yr (1968–2011–SISIMP2016)



ER-calc-ratio (1968–2011–SISIMP2016)



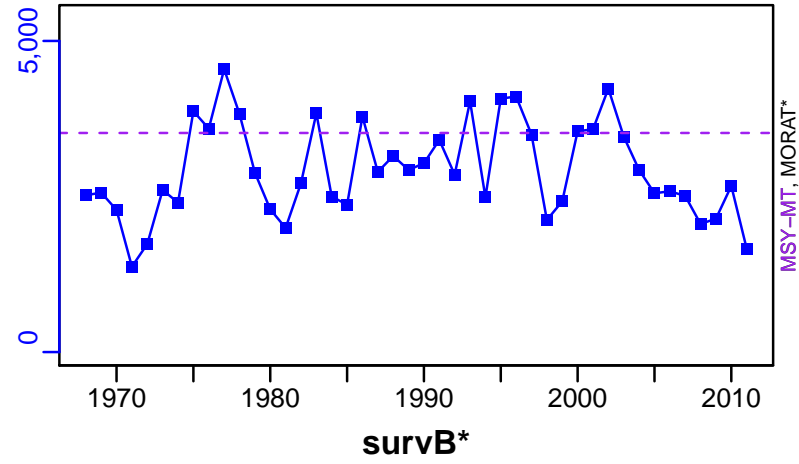
R-E00 (1968–2011–SISIMP2016)



# Black sea bass Mid-Atlantic Coast [BSBASSMATLC]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



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

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

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

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

**Kobe MSY\***



**Kobe MGT\***



**Spawner Recruit\***



**Production\***



◆ Start Year ◆ End Year \* No Data

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

**TB\***



**SSB\***



**TN \***



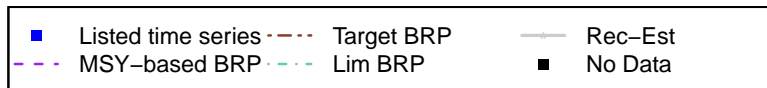
**F\***



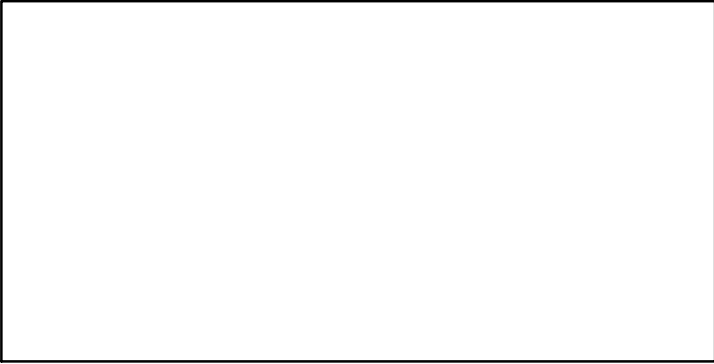
**ER\***



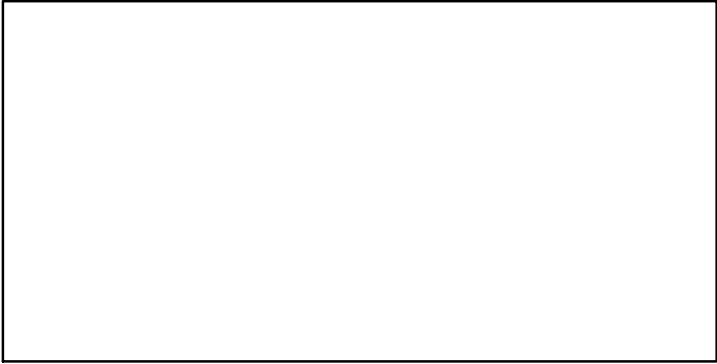
**Recruits\***



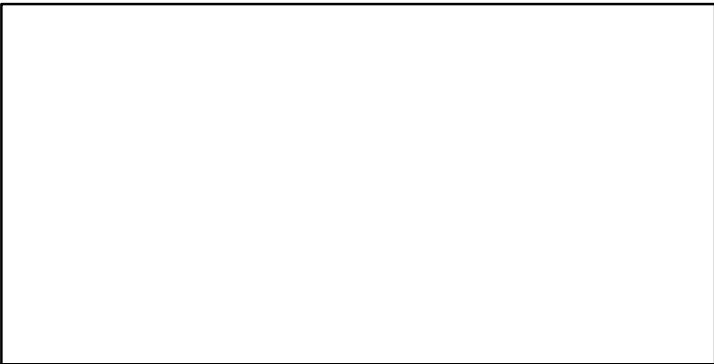
TC\*, TL\*, RecC\*



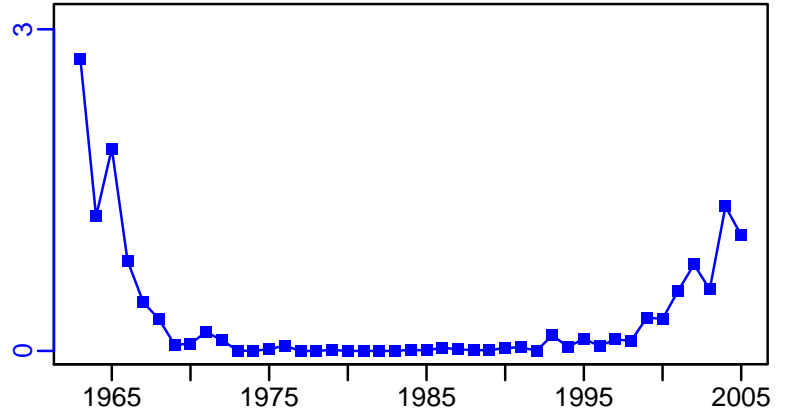
TAC\*, Cpair\*, Cadv\*



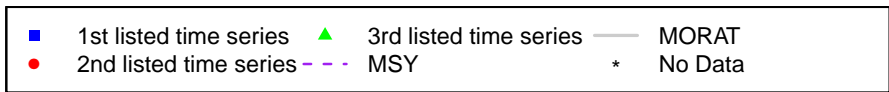
survB\*



CPUE–kgpertow (1963–2005–SOSEBEE)



EFFORT\*



## Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]

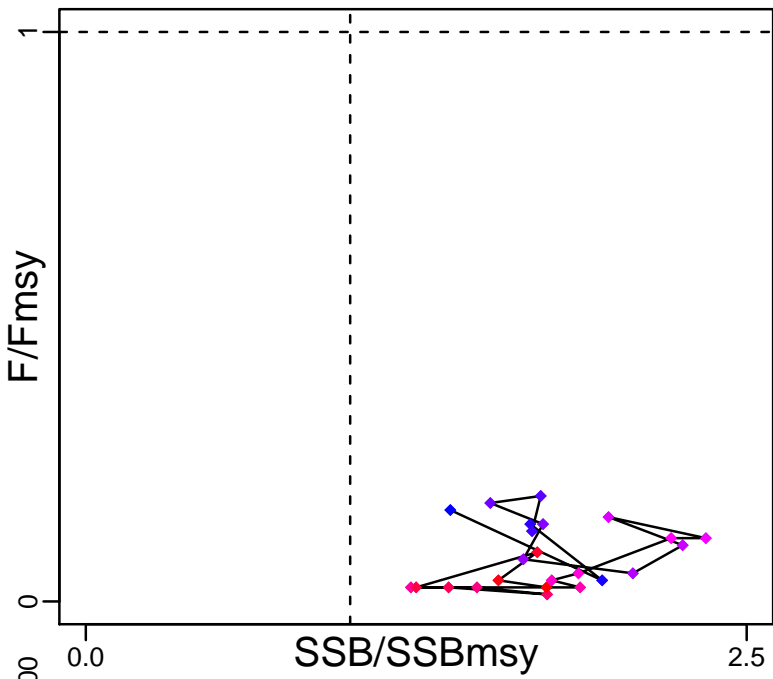
Metadata	
<b>Scientific Name</b>	Peprilus triacanthus
<b>Current Assess ID</b>	NEFSC-BUTTERGOMCHATT-1965-2012-HIVELY
<b>Area</b>	Gulf of Maine / Cape Hatteras
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts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

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

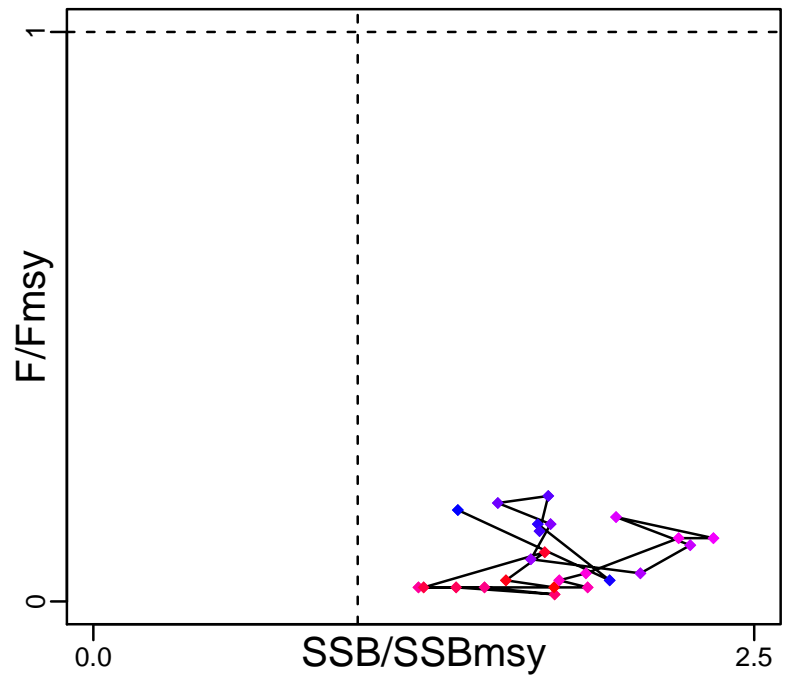
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	-	-	-	-	-
<b>SSB</b>	SSB-MT	2012	79,500	-	1+
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2012	$2.43 \times 10^9$	-	0
<b>F</b>	F-1/yr	2012	0	-	-
<b>ER</b>	ER-calc-ratio	2012	0	-	-
<b>TC</b>	TC-MT	2012	1710		
<b>TL</b>	-	-	-		
<b>TB/TBmsy</b>	-	-	-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

# Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]

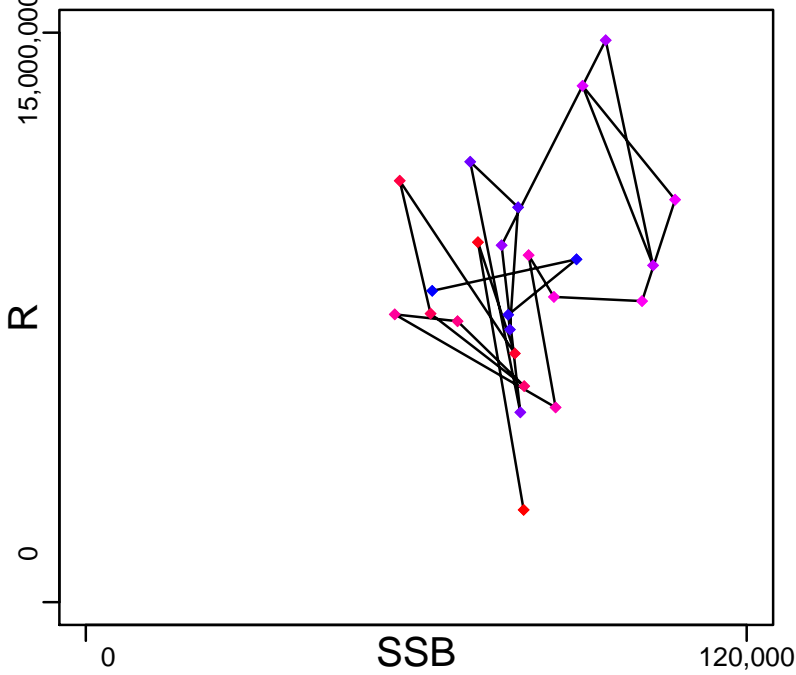
Kobe MSYpref (1965–2012–HIVELY)



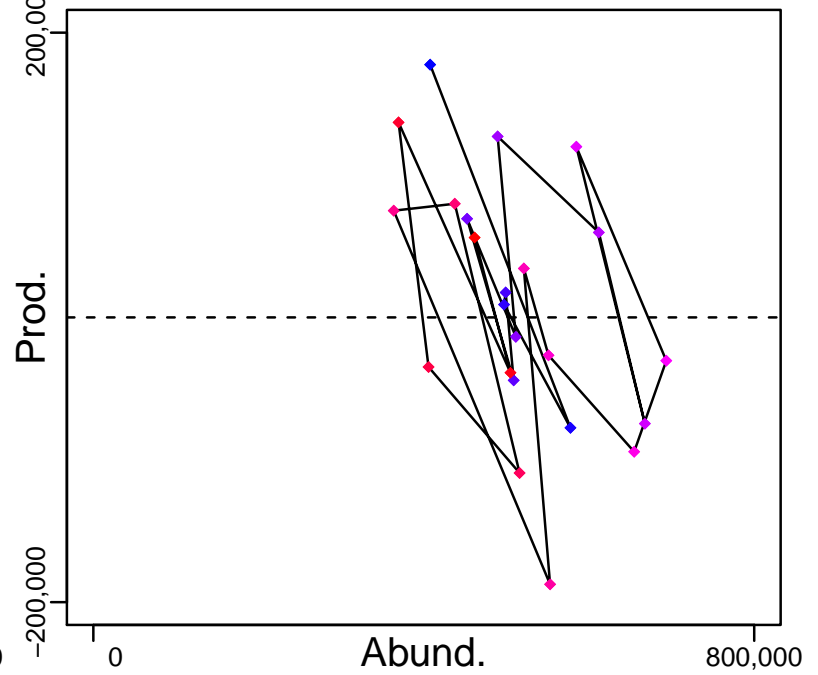
Kobe MGTpref (1965–2012–HIVELY)



Spawner Recruit (1965–2012–HIVELY)



Production (1965–2012–HIVELY)



◆ Start Year ◆ End Year \* No Data

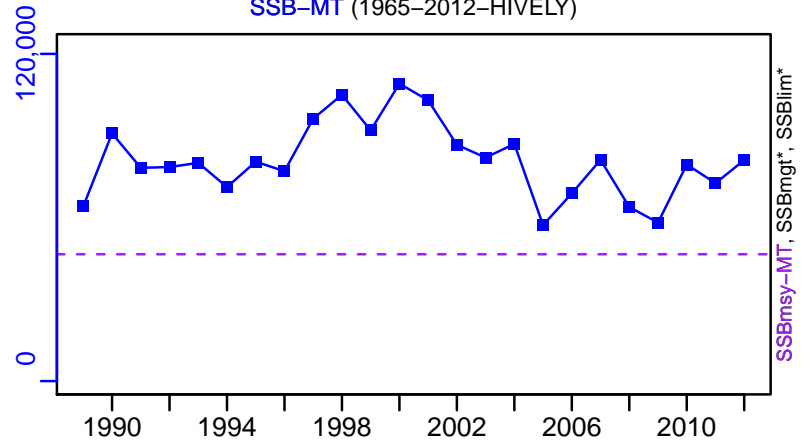


# Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]

TB\*



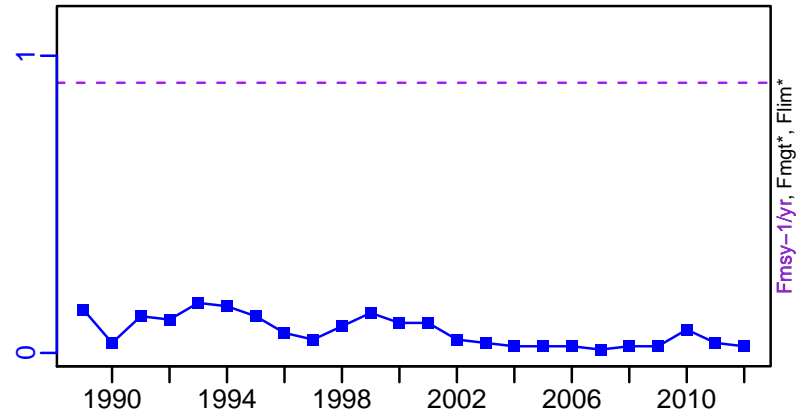
SSB-MT (1965–2012–HIVELY)



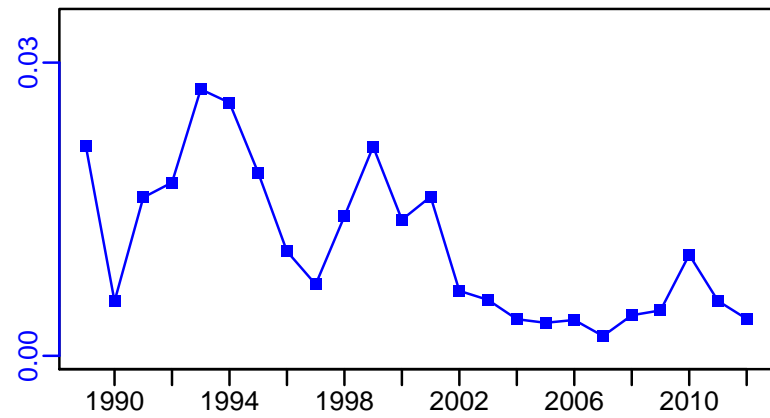
TN \*



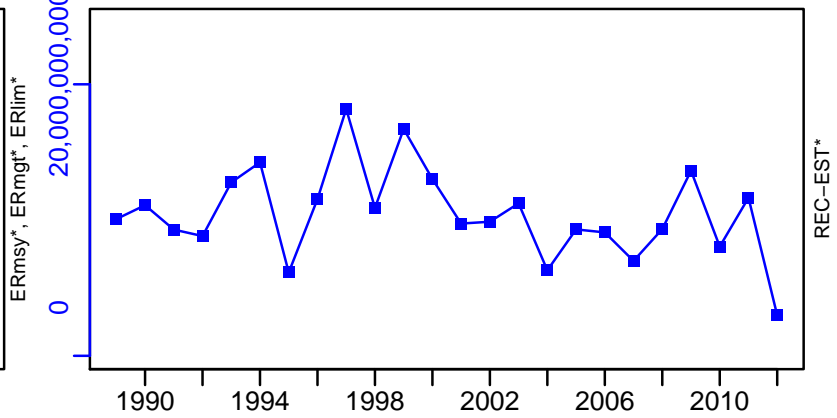
F-1/yr (1965–2012–HIVELY)



ER-calc-ratio (1965–2012–HIVELY)



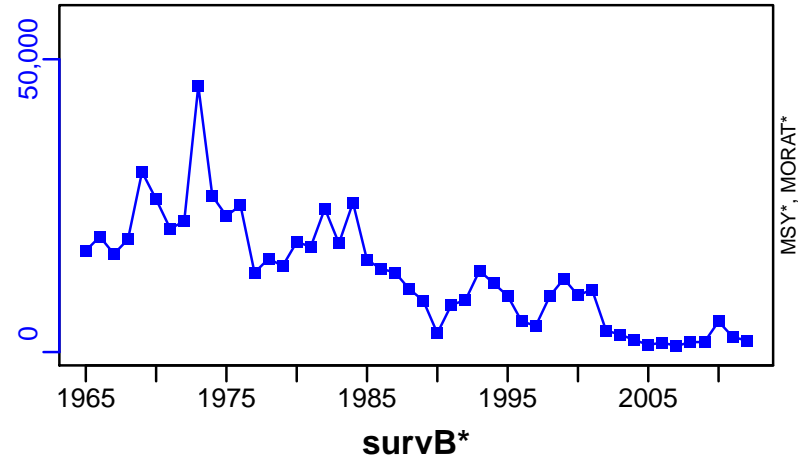
R-E00 (1965–2012–HIVELY)



# Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]

TC-MT, TL\*, RecC\* (1965–2012–HIVELY)

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Atlantic cod NAFO 5Zjm [COD5Zjm]

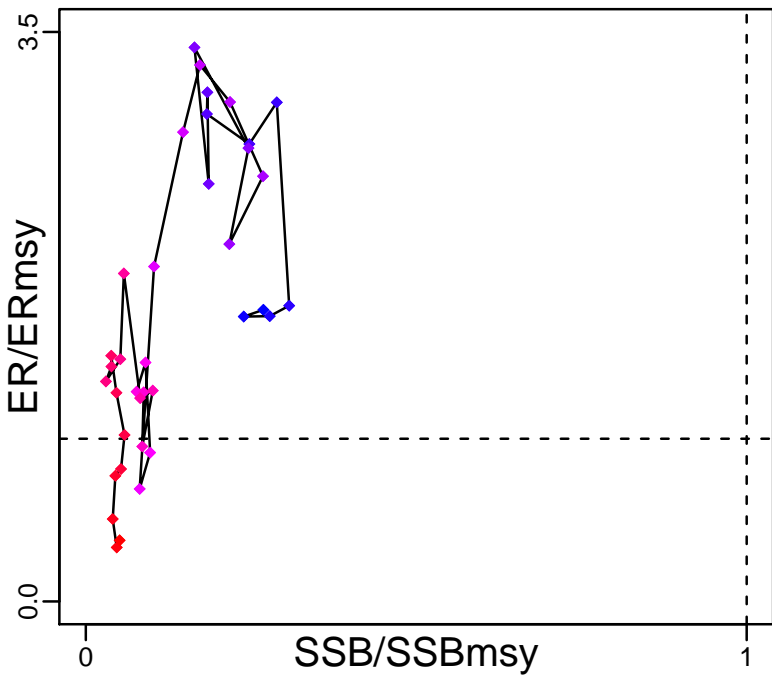
Metadata	
<b>Scientific Name</b>	Gadus morhua
<b>Current Assess ID</b>	DFO-COD5Zjm-1978-2015-SISIMP2016
<b>Area</b>	Georges Bank
<b>Management Authority</b>	Department of Fisheries and Oceans, Canada national management
<b>Assessor</b>	Department of Fisheries and Oceans
<b>Asmts in RAM</b>	2010, 2015

Reference Points			
Type	ID	Asmt Year	Value
<b>TBmsy</b>	-	-	-
<b>SSBmsy</b>	SSBmsy-est-MT	2015	193,967
<b>Fmsy</b>	Fmsy-1/yr	2015	0.11
<b>ERmsy</b>	ERmsy-est-ratio	2015	0.05
<b>TBmgt</b>	-	-	-
<b>SSBmgt</b>	-	-	-
<b>Fmgt</b>	-	-	-
<b>ERmgt</b>	-	-	-
<b>TB0</b>	-	-	-
<b>SSB0</b>	-	-	-
<b>MSY</b>	MSY-est-MT	2015	29,852
<b>M</b>	-	-	-
<b>TBlim</b>	-	-	-
<b>SSBlim</b>	SSBlim-MT	2010	21000t
<b>Flim</b>	Flim-1/yr	2015	0.11
<b>ERlim</b>	-	-	-

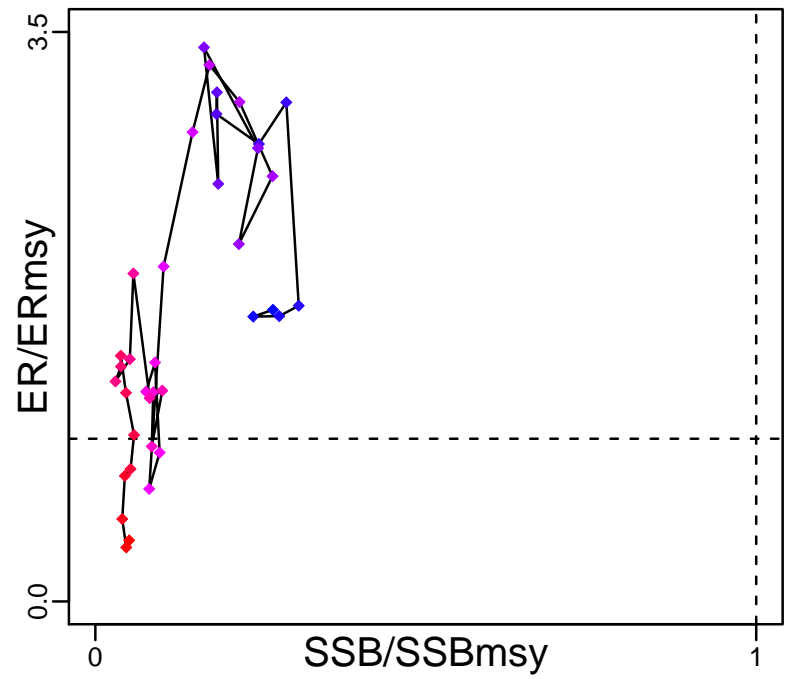
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	-	-	-	-	-
<b>SSB</b>	SSB-MT	2015	10,000	-	3+
<b>TN</b>	TN-E00	2010	3,390,000	-	3+
<b>R</b>	R-E00	2015	11,300,000	-	1
<b>F</b>	F-1/yr	2015	0	-	-
<b>ER</b>	ER-calc-ratio	2015	0	-	-
<b>TC</b>	TC-MT	2015	574		
<b>TL</b>	TL-MT	2010	1860		
<b>TB/TBmsy</b>	-	-	-		
<b>SSB/SSBmsy</b>	SSB-MT/SSBmsy-est-MT	2015	0.05		
<b>F/Fmsy</b>	F-1/yr/Fmsy-1/yr	2015	0.36		
<b>ER/ERmsy</b>	ER-calc-ratio/ERmsy-est-ratio	2015	0.38		
<b>TB/TBmgt</b>	-	-	-		
<b>SSB/SSBmgt</b>	-	-	-		
<b>F/Fmgt</b>	-	-	-		
<b>ER/ERmgt</b>	-	-	-		

# Atlantic cod NAFO 5Zjm [COD5Zjm]

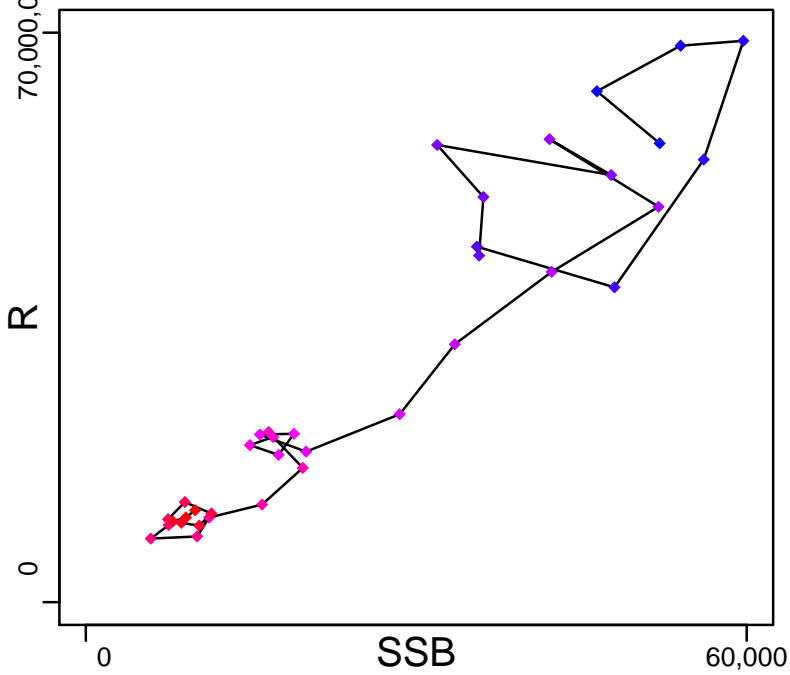
Kobe MSYpref (1978–2015–SISIMP2016)



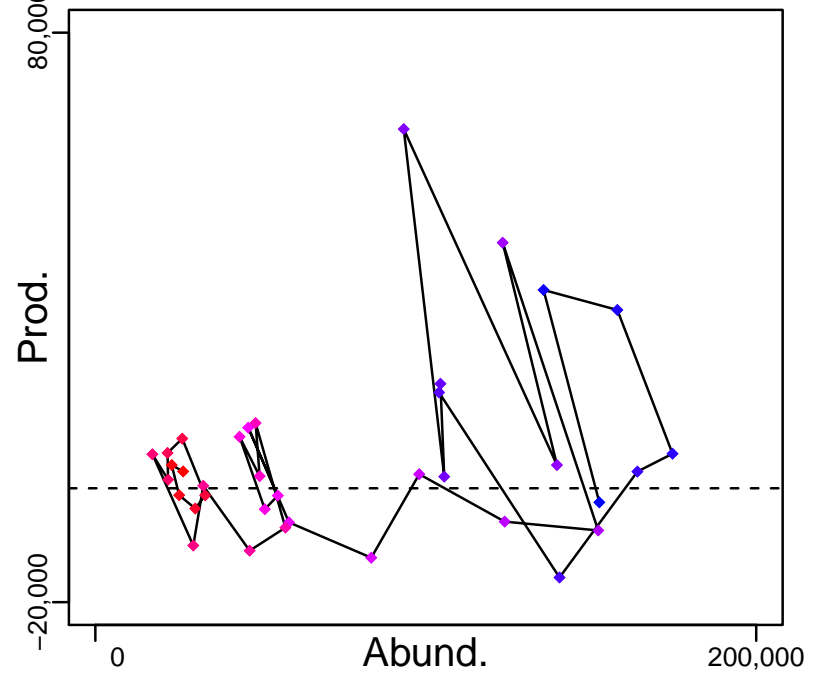
Kobe MGTpref (1978–2015–SISIMP2016)



Spawner Recruit (1978–2015–SISIMP2016)



Production (1978–2015–SISIMP2016)

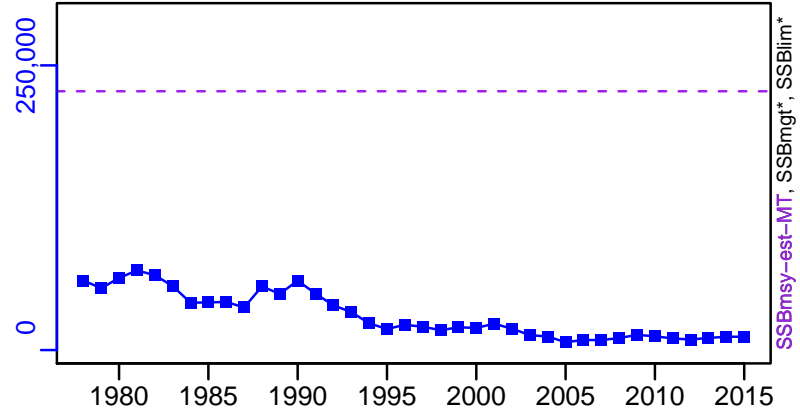
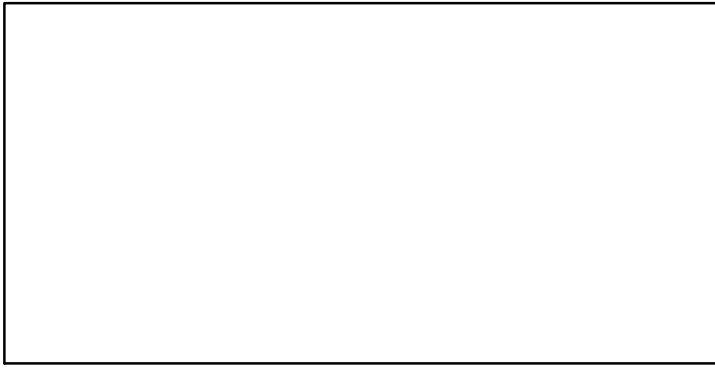


◆ Start Year ◆ End Year \* No Data

# Atlantic cod NAFO 5Zjm [COD5Zjm]

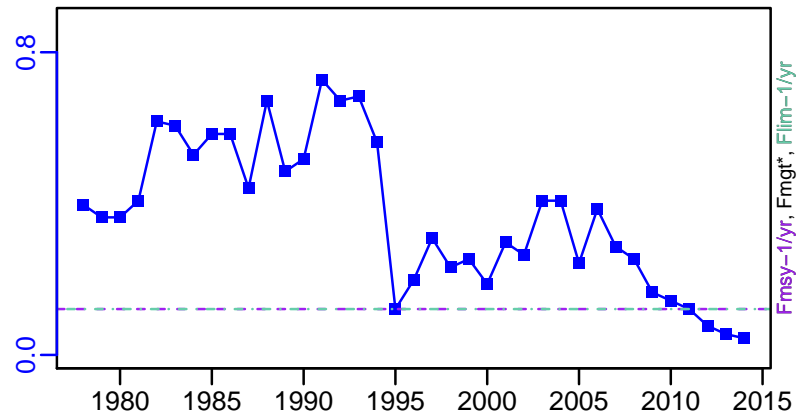
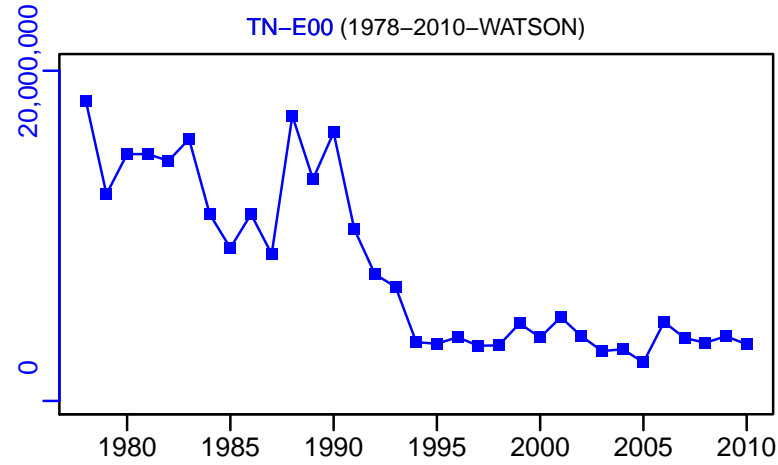
TB\*

SSB-MT (1978-2015-SISIMP2016)



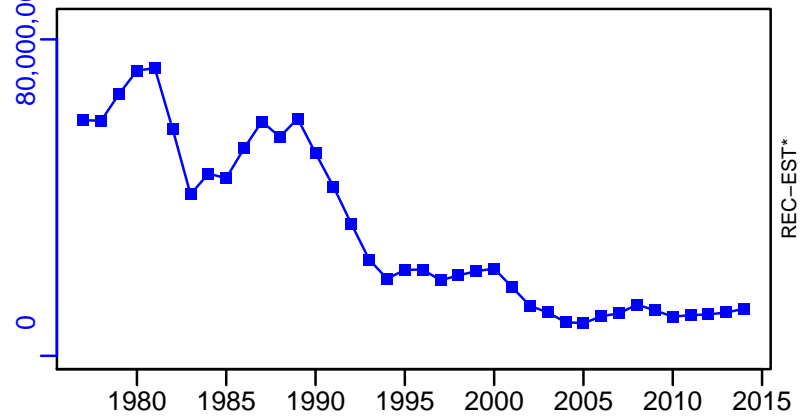
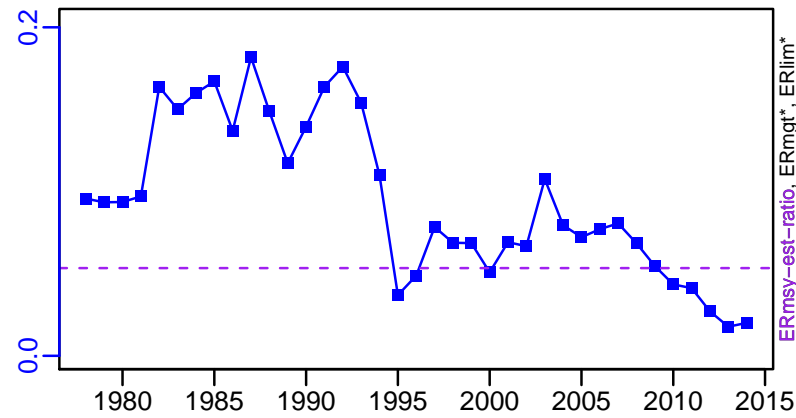
TN-E00 (1978-2010-WATSON)

F-1/yr (1978-2015-SISIMP2016)



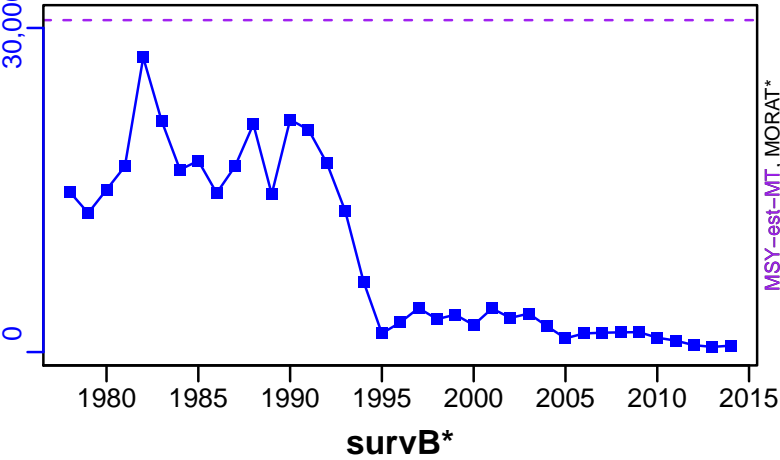
ER-calc-ratio (1978-2015-SISIMP2016)

R-E00 (1978-2015-SISIMP2016)



Atlantic cod NAFO 5Zjm [COD5Zjm]

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



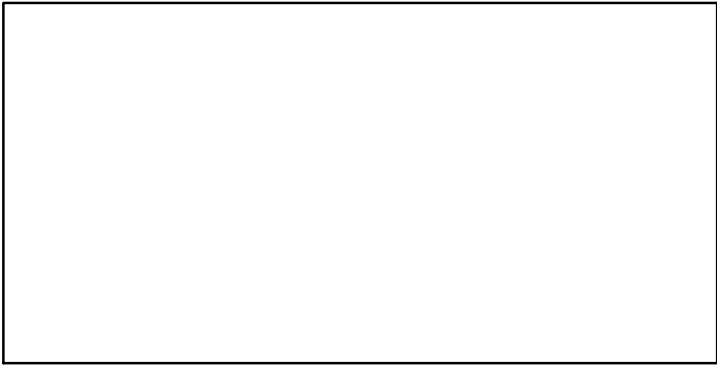
TAC\*, Cpair\*, Cadv\*



CPUE\*



EFFORT\*



## Atlantic cod Georges Bank [CODGB]

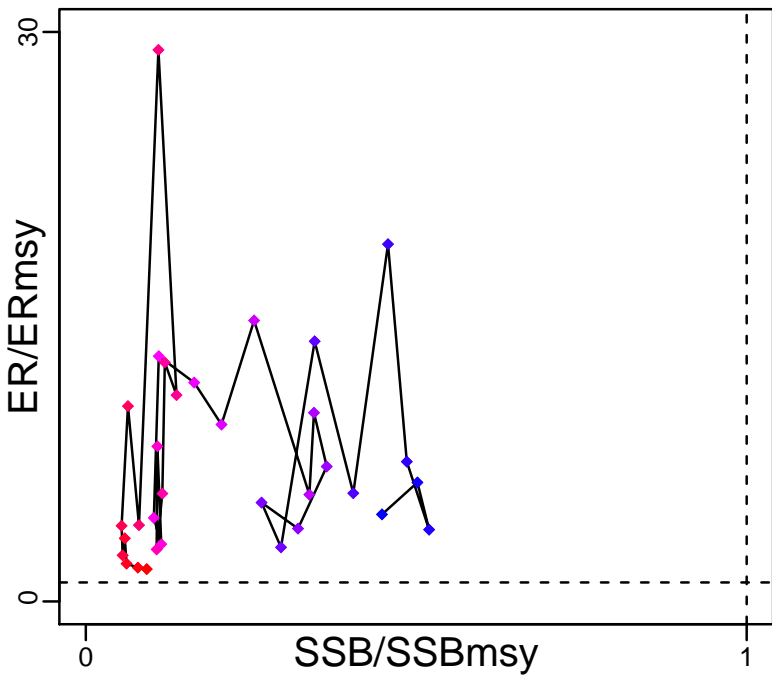
Metadata	
<b>Scientific Name</b>	Gadus morhua
<b>Current Assess ID</b>	NEFSC-CODGB-1976-2011-CHING
<b>Area</b>	Georges Bank
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in RAM</b>	2011

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

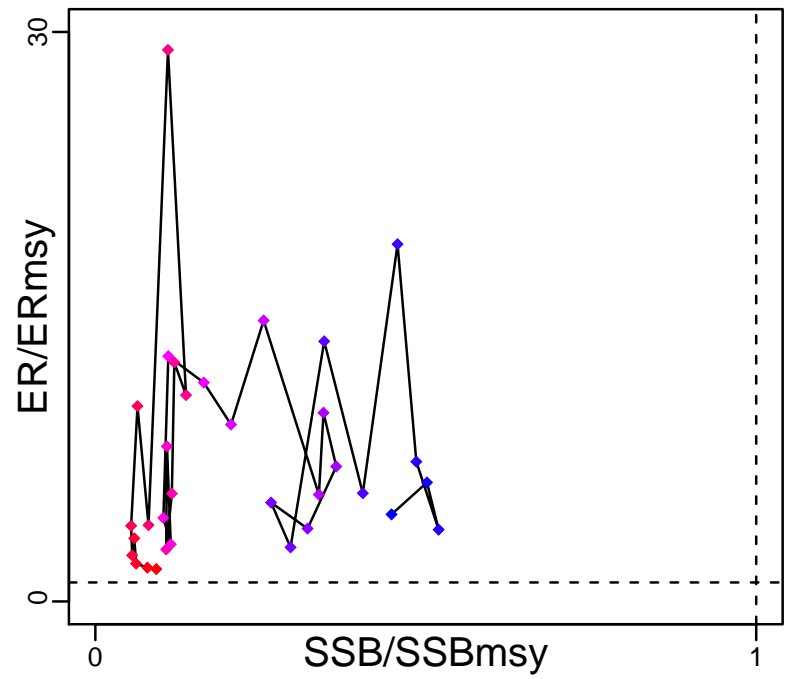
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	-	-	-	-	-
<b>SSB</b>	SSB-MT	2011	22,200	-	2.4+
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2011	7,930,000	-	-
<b>F</b>	F-1/yr	2011	0	-	-
<b>ER</b>	ER-ratio	2011	0	-	-
<b>TC</b>	TC-MT	2011	4530		
<b>TL</b>	-	-	-		
<b>TB/TBmsy</b>	-	-	-		
<b>SSB/SSBmsy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

# Atlantic cod Georges Bank [CODGB]

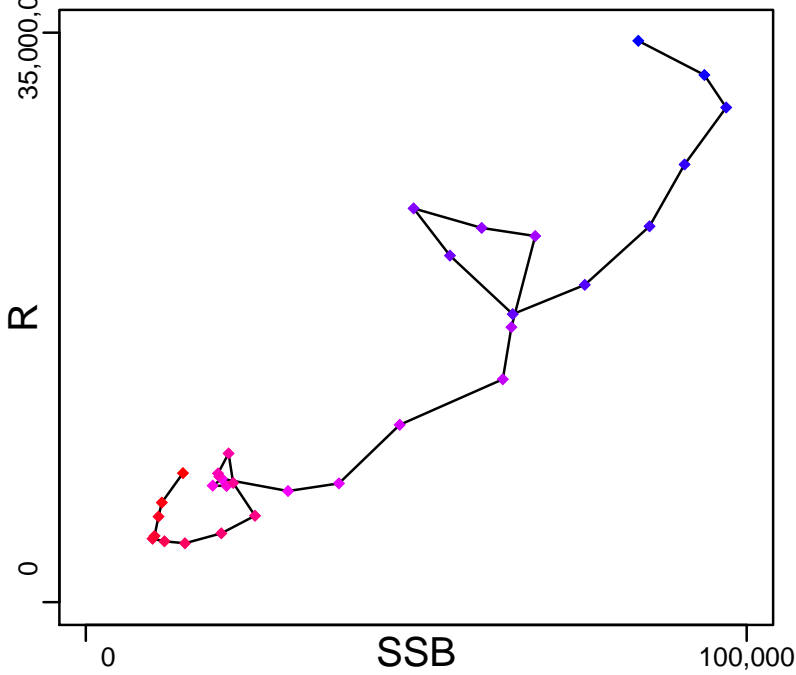
Kobe MSYpref (1976–2011–CHING)



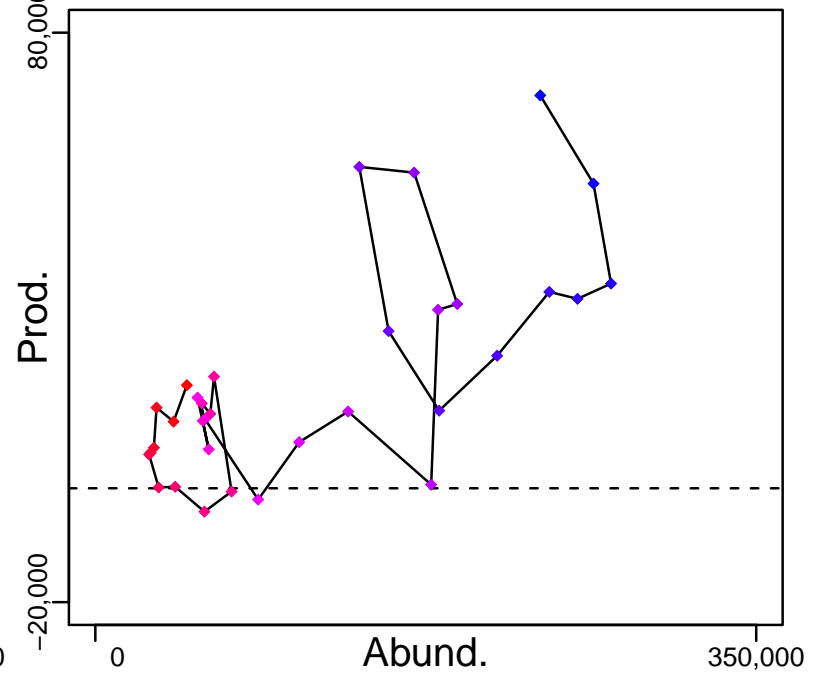
Kobe MGTpref (1976–2011–CHING)



Spawner Recruit (1976–2011–CHING)



Production (1976–2011–CHING)



◆ Start Year ◆ End Year \* No Data

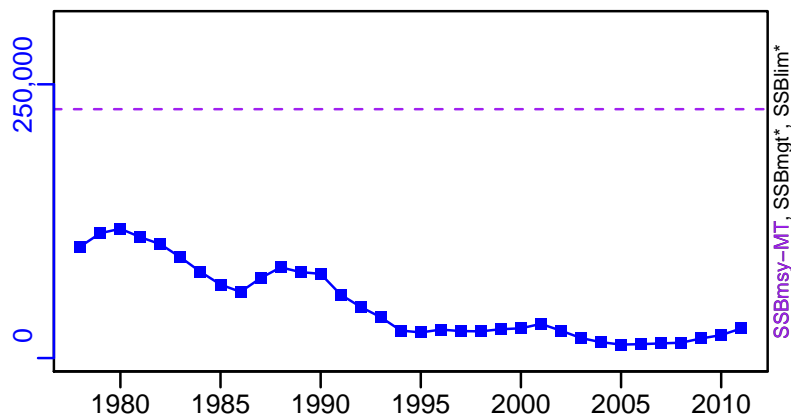


# Atlantic cod Georges Bank [CODGB]

TB\*



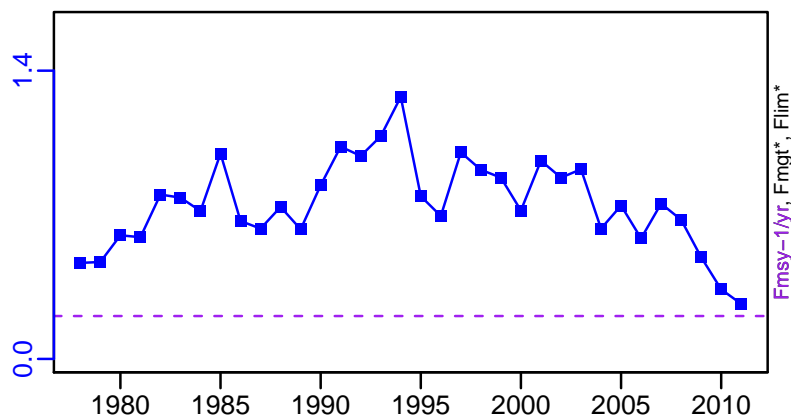
SSB-MT (1976–2011–CHING)



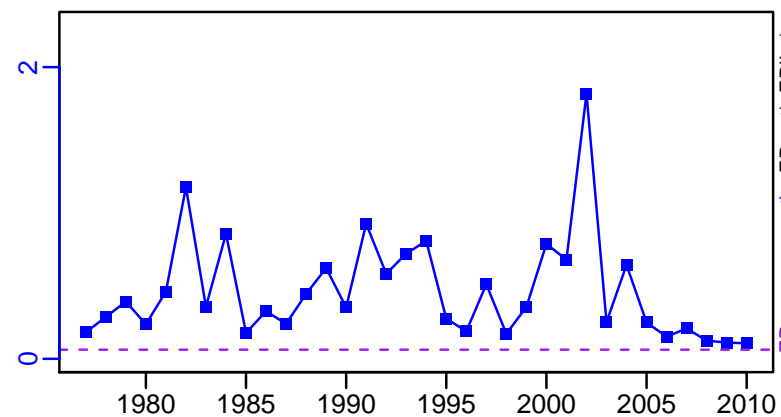
TN \*



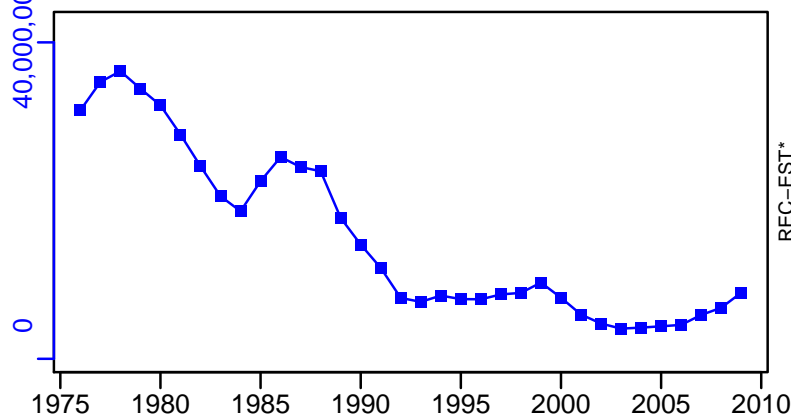
F-1/yr (1976–2011–CHING)



ER-ratio (1976–2011–CHING)



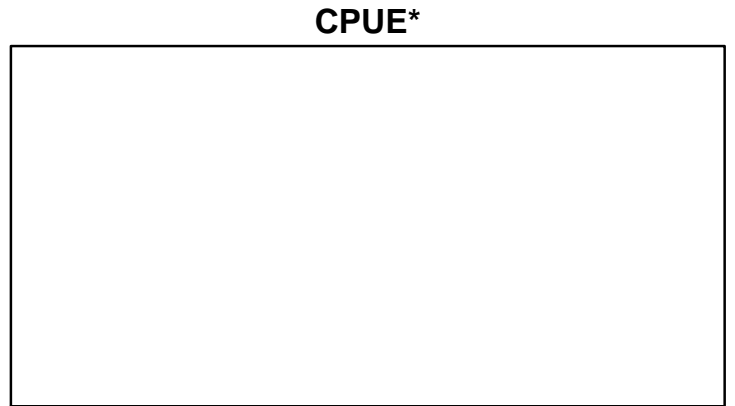
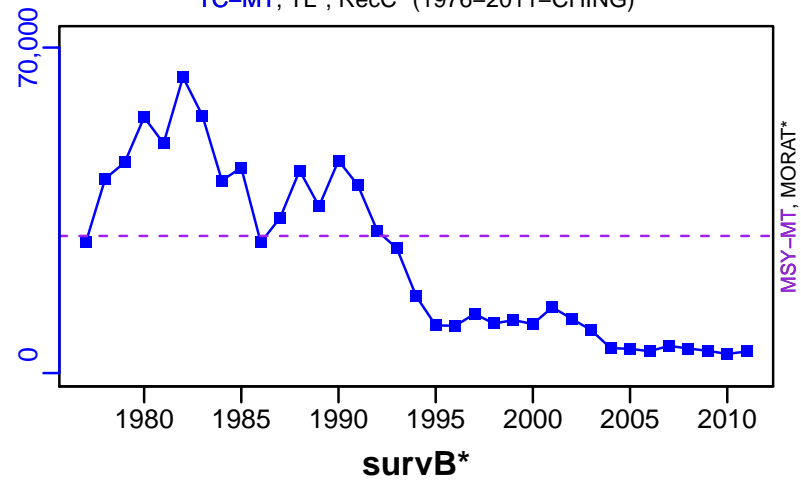
R-E00 (1976–2011–CHING)



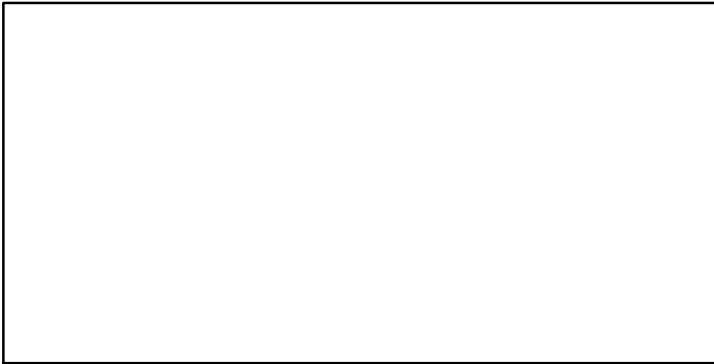
# Atlantic cod Georges Bank [CODGB]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



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

## Atlantic cod Gulf of Maine [CODGOM]

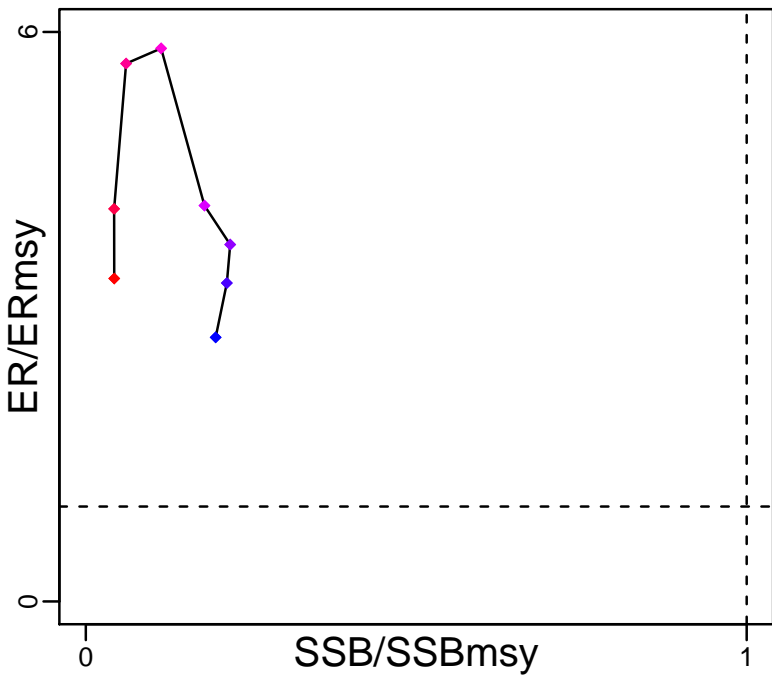
Metadata	
<b>Scientific Name</b>	Gadus morhua
<b>Current Assess ID</b>	NEFSC-CODGOM-2006-2014-ASHBROOK
<b>Area</b>	Gulf of Maine
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in RAM</b>	2011, 2014

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

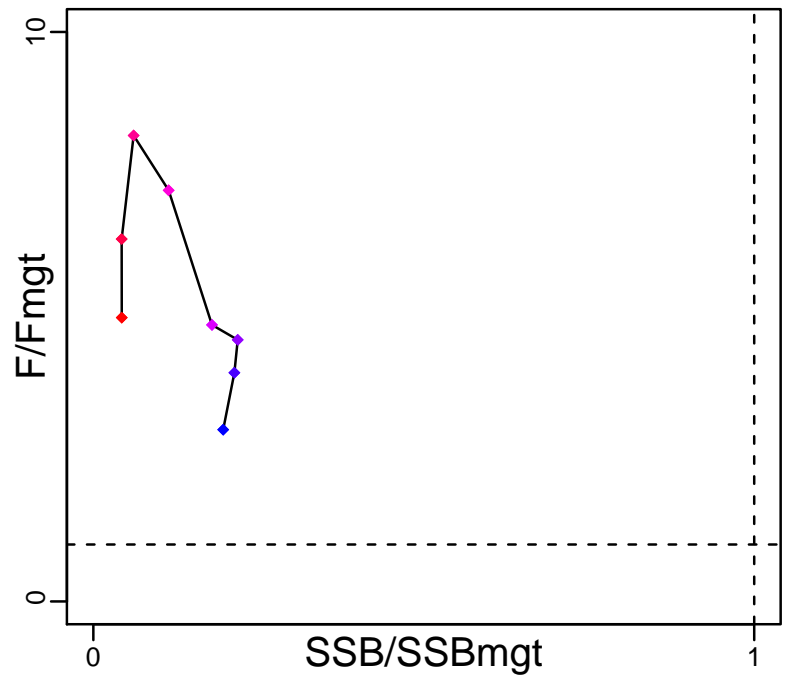
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	-	-	-	-	-
<b>SSB</b>	SSB-MT	2014	2540	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2014	3,210,000	-	1
<b>F</b>	F-1/yr	2014	1	-	-
<b>ER</b>	ER-calc-ratio	2014	0	-	-
<b>TC</b>	TC-MT	2014	1470		
<b>TL</b>	TL-MT	2014	832		
<b>TB/TBmsy</b>	-	-	-		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

# Atlantic cod Gulf of Maine [CODGOM]

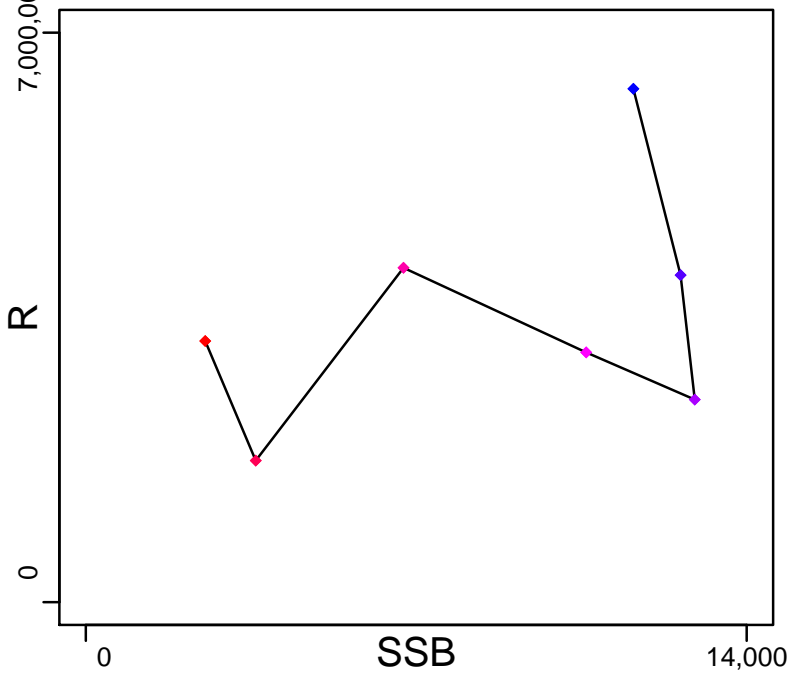
Kobe MSY<sub>pref</sub> (2006–2014–ASHBROOK)



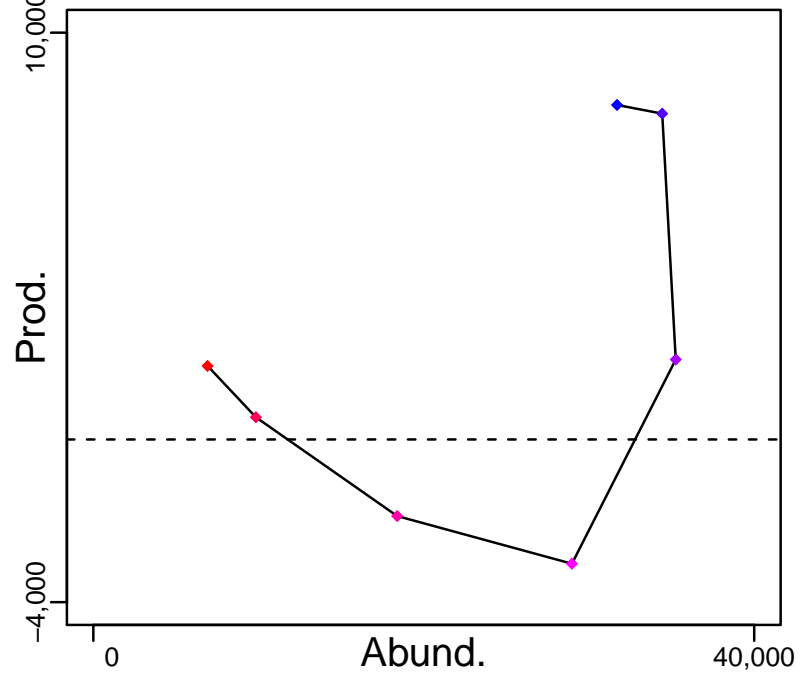
Kobe MGT<sub>pref</sub> (2006–2014–ASHBROOK)



Spawner Recruit (2006–2014–ASHBROOK)



Production (2006–2014–ASHBROOK)



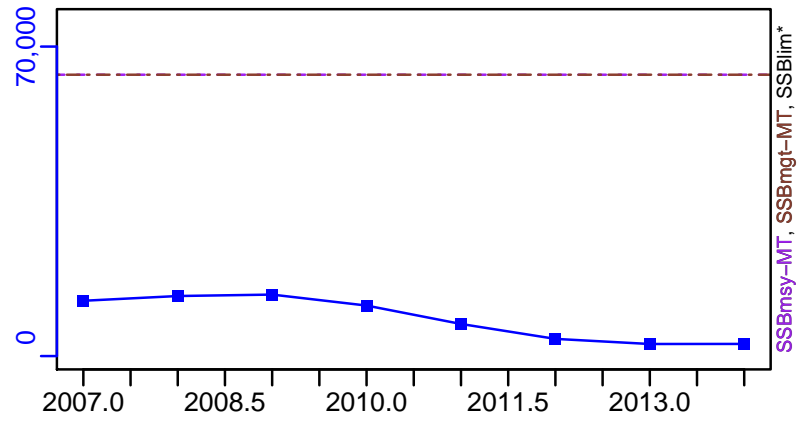
◆ Start Year ◆ End Year \* No Data

# Atlantic cod Gulf of Maine [CODGOM]

TB\*



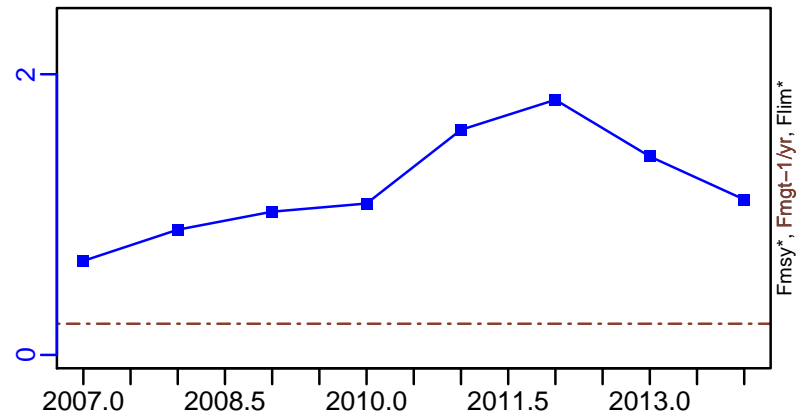
SSB-MT (2006–2014–ASHBROOK)



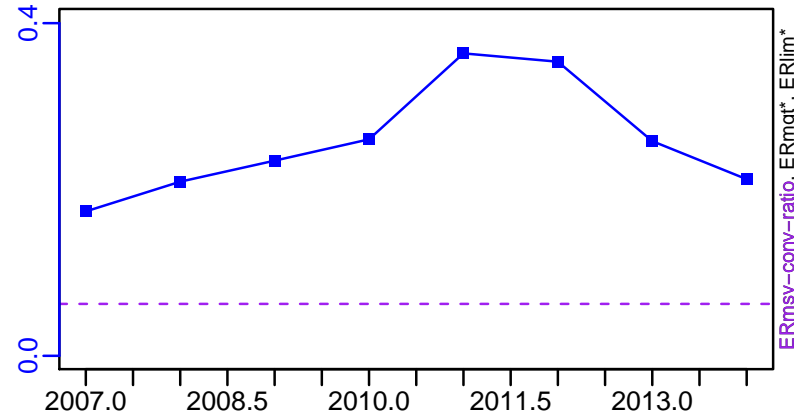
TN \*



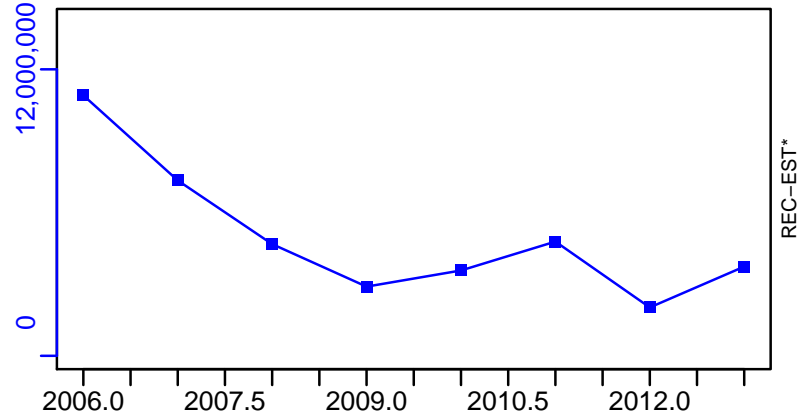
F-1/yr (2006–2014–ASHBROOK)



ER-calc-ratio (2006–2014–ASHBROOK)



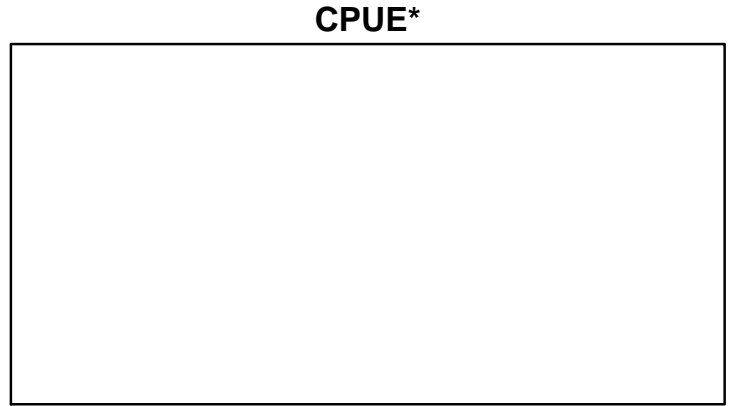
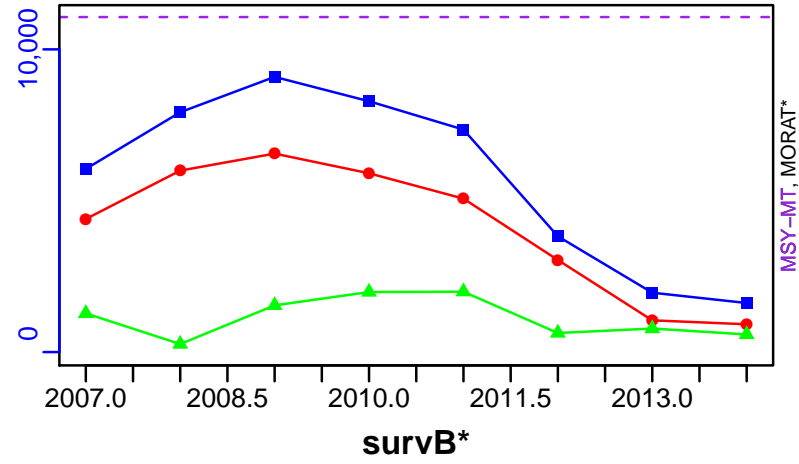
R-E00 (2006–2014–ASHBROOK)



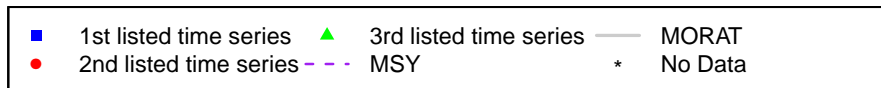
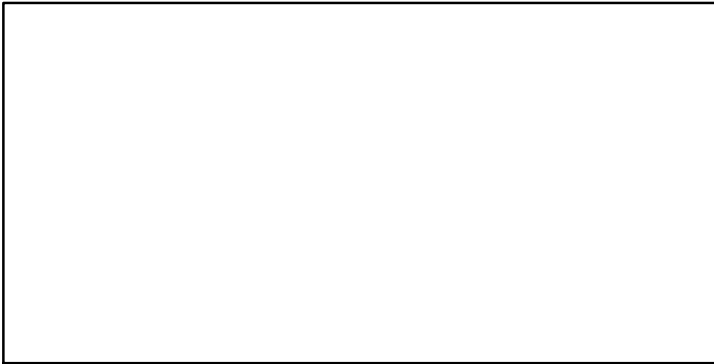
# Atlantic cod Gulf of Maine [CODGOM]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



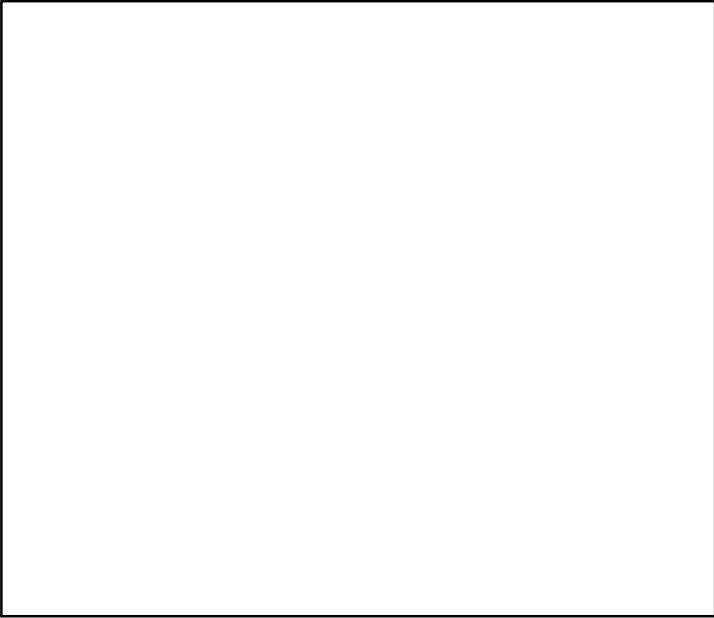
## Clearnose skate Mid-Atlantic Coast [CSKATMATLC]

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

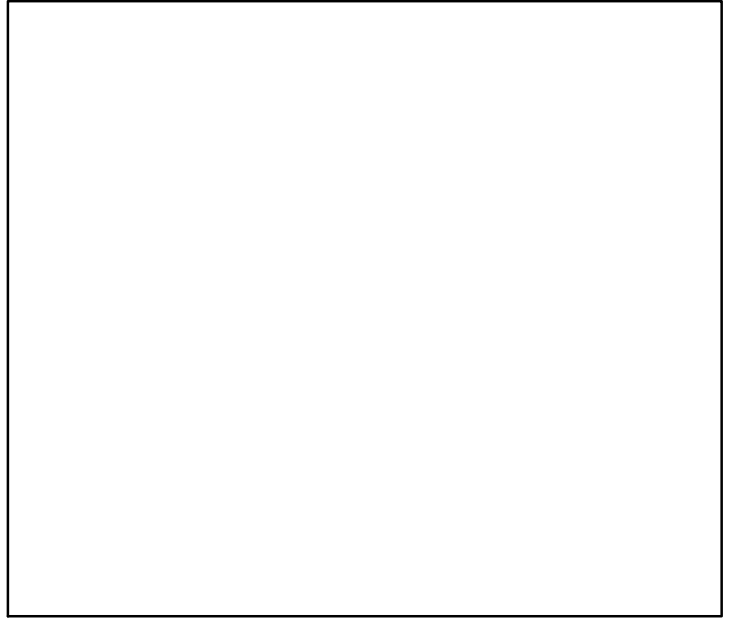
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

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

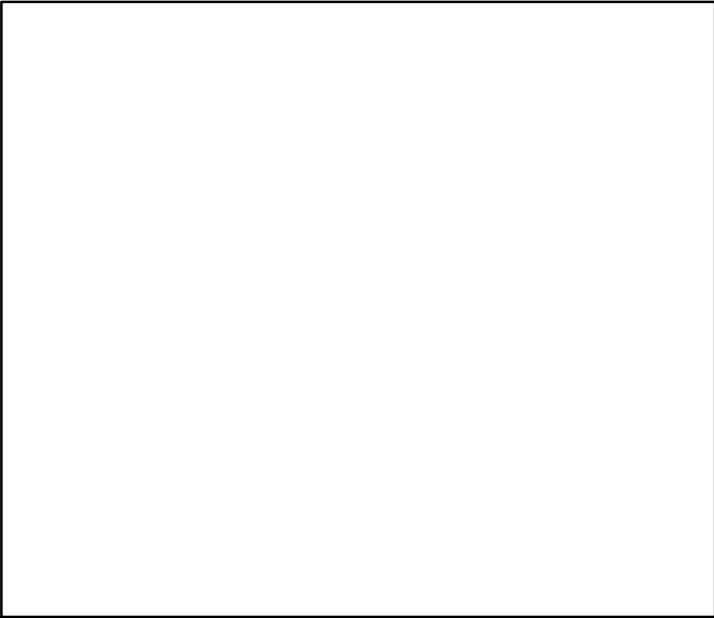
**Kobe MSY\***



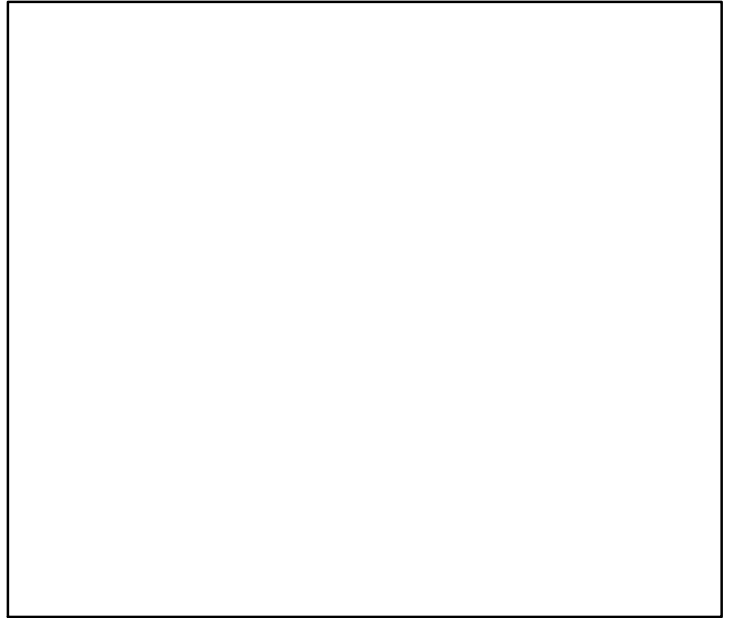
**Kobe MGT\***



**Spawner Recruit\***



**Production\***

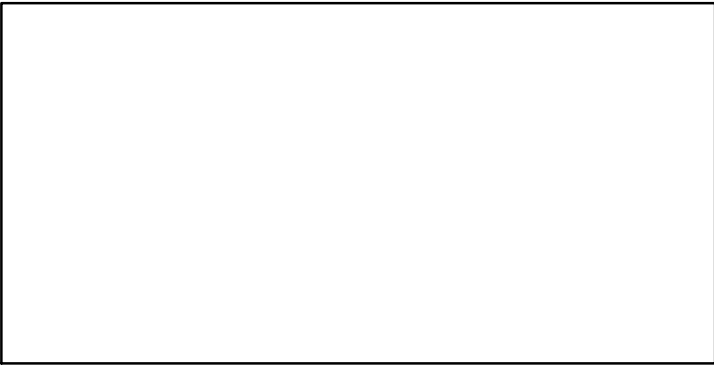


◆ Start Year ◆ End Year \* No Data



Clearnose skate Mid-Atlantic Coast [CSKATMATLC]

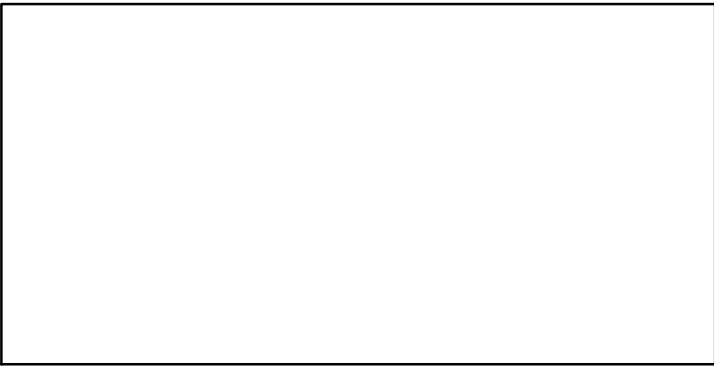
**TB\***



**SSB\***



**TN \***



**F\***



**ER\***



**Recruits\***



Clearnose skate Mid-Atlantic Coast [CSKATMATLC]

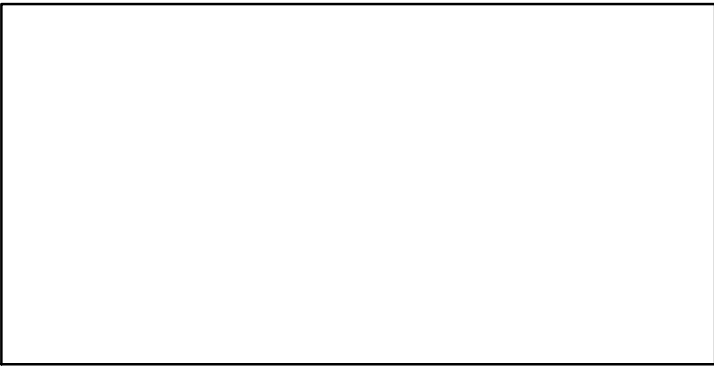
TC\*, TL\*, RecC\*



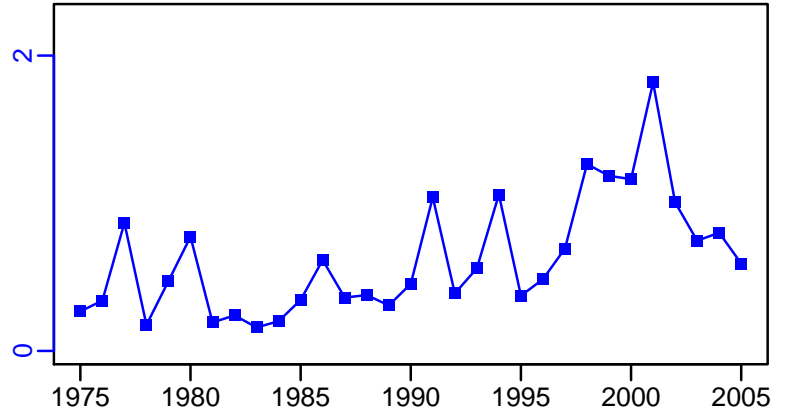
TAC\*, Cpair\*, Cadv\*



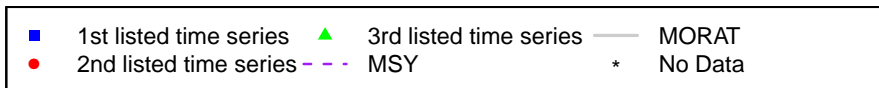
survB\*



CPUE-kgpertow (1975-2005-SOSEBEE)



EFFORT\*



## Haddock NAFO-5Y [HAD5Y]

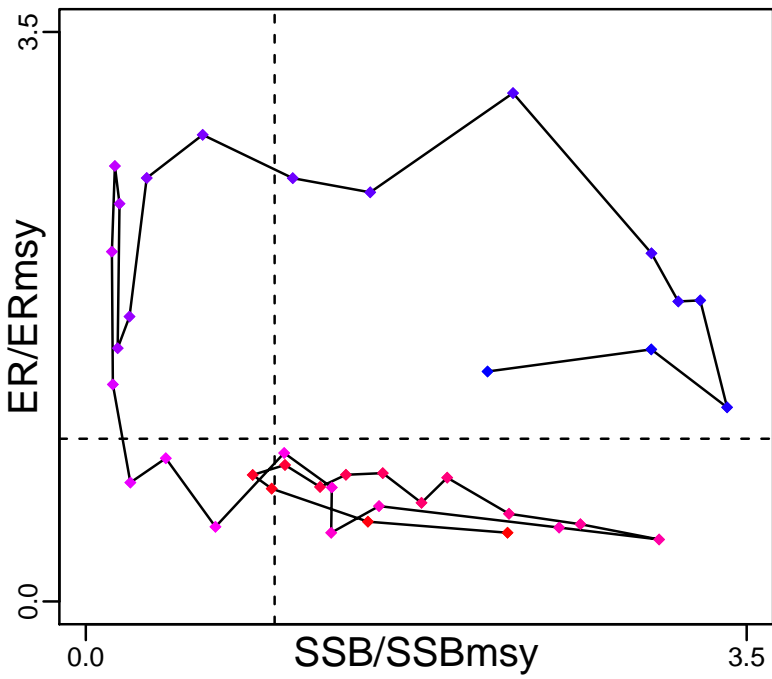
Metadata	
<b>Scientific Name</b>	Melanogrammus aeglefinus
<b>Current Assess ID</b>	NEFSC-HAD5Y-1977-2014-SISIMP2016
<b>Area</b>	Gulf of Maine
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in RAM</b>	2011,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

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

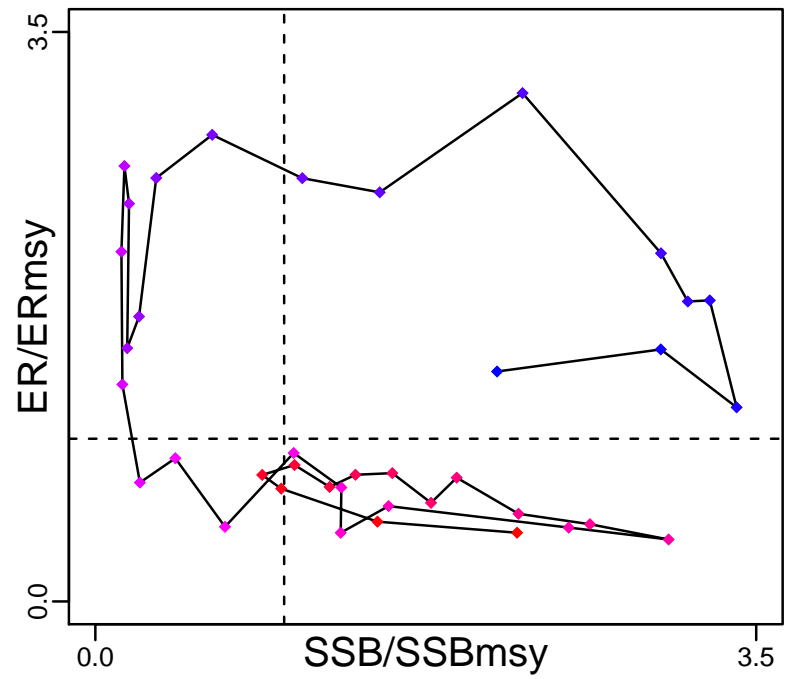
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2011	2580	-	-
<b>SSB</b>	SSB-MT	2014	10,300	-	4+
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2014	26,500,000	-	1
<b>F</b>	F-1/yr	2014	0	-	-
<b>ER</b>	ER-calc-ratio	2014	0	-	-
<b>TC</b>	TC-MT	2014	1020		
<b>TL</b>	TL-MT	2011	1300		
<b>TB/TBmsy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

# Haddock NAFO-5Y [HAD5Y]

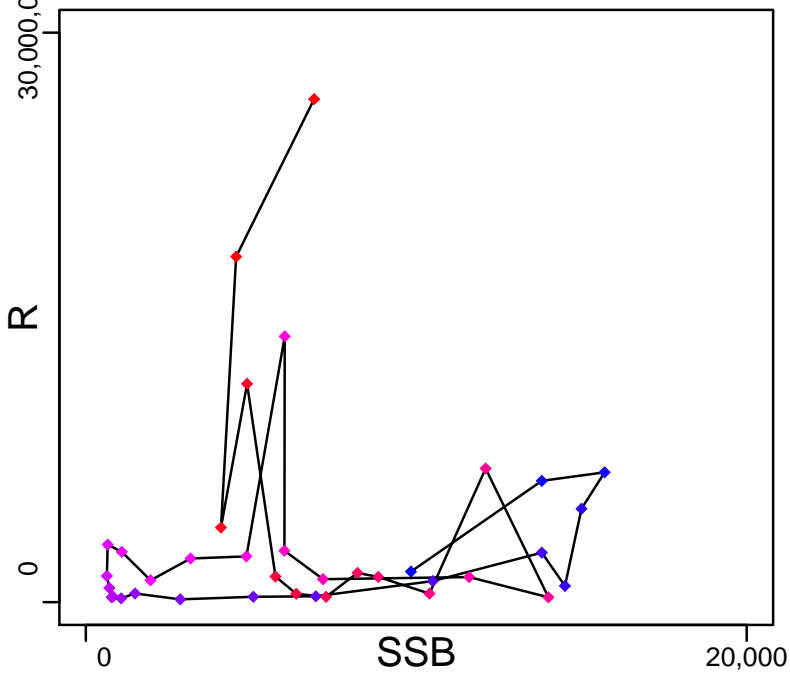
Kobe MSY<sub>pref</sub> (1977–2014–SISIMP2016)



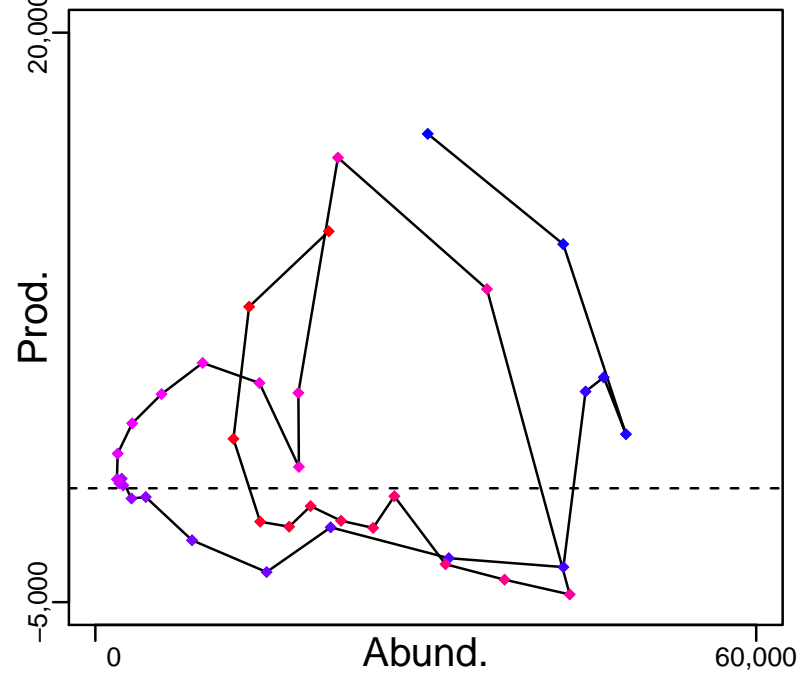
Kobe MGT<sub>pref</sub> (1977–2014–SISIMP2016)



Spawner Recruit (1977–2014–SISIMP2016)



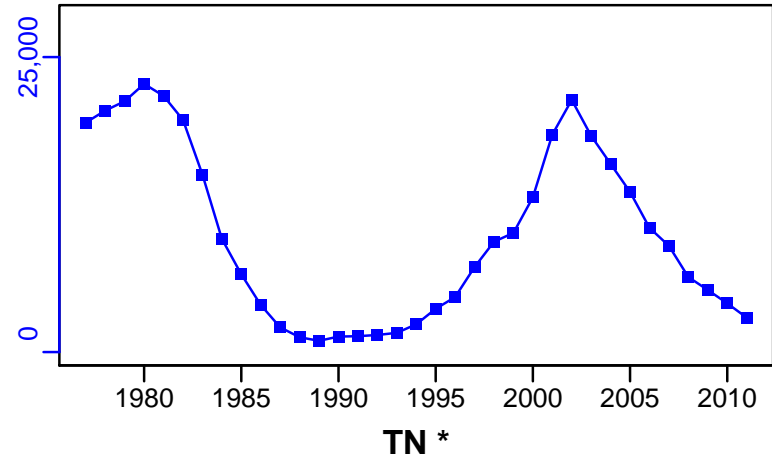
Production (1977–2014–SISIMP2016)



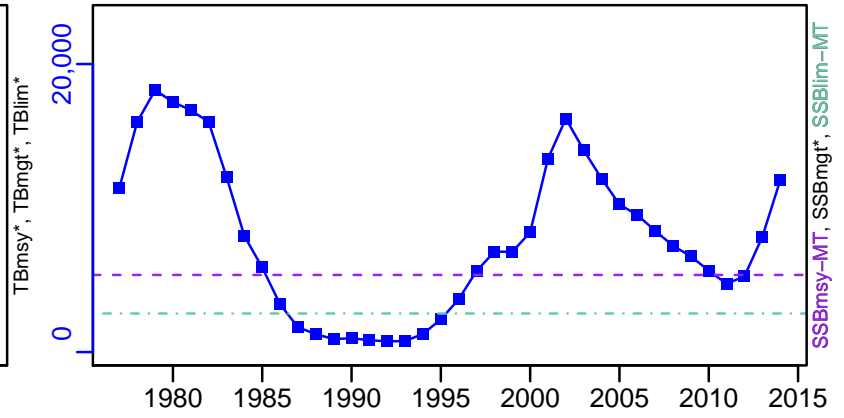
◆ Start Year ◆ End Year \* No Data

# Haddock NAFO-5Y [HAD5Y]

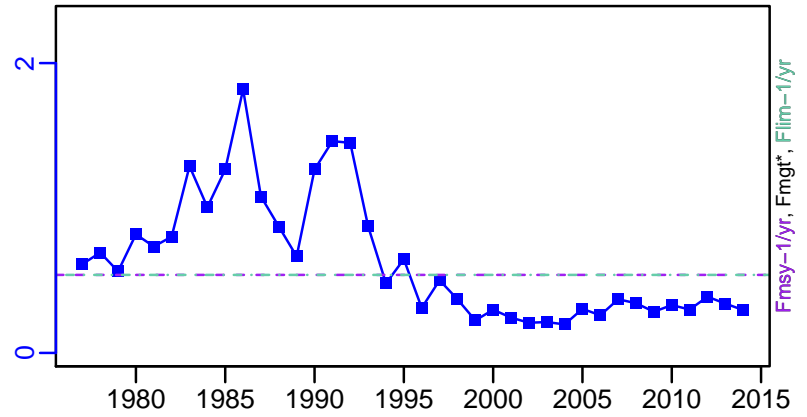
TB-MT (1964–2011–CHING)



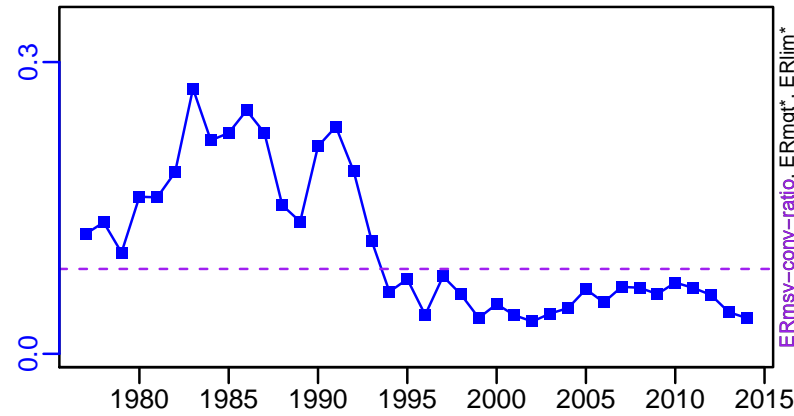
SSB-MT (1977–2014–SISIMP2016)



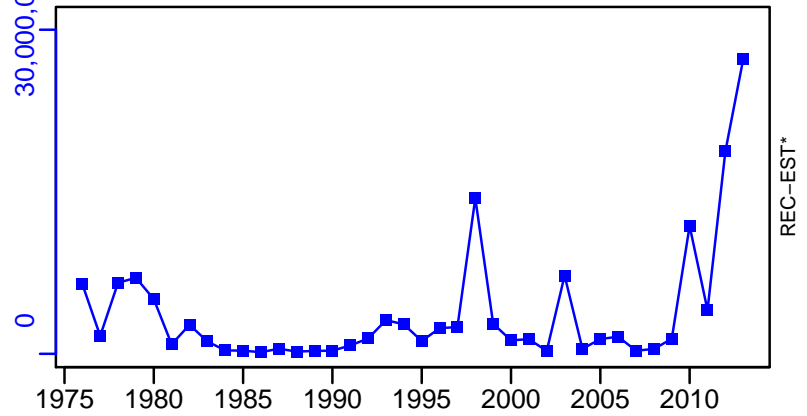
F-1/yr (1977–2014–SISIMP2016)



ER-calc-ratio (1977–2014–SISIMP2016)

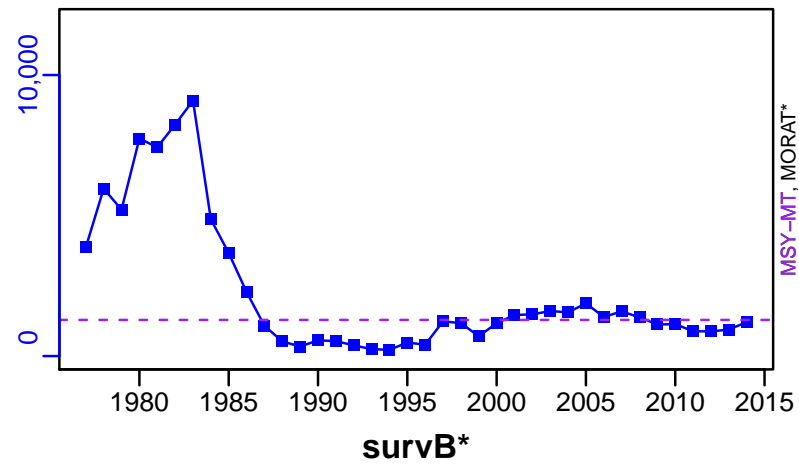


R-E00 (1977–2014–SISIMP2016)



Haddock NAFO-5Y [HAD5Y]

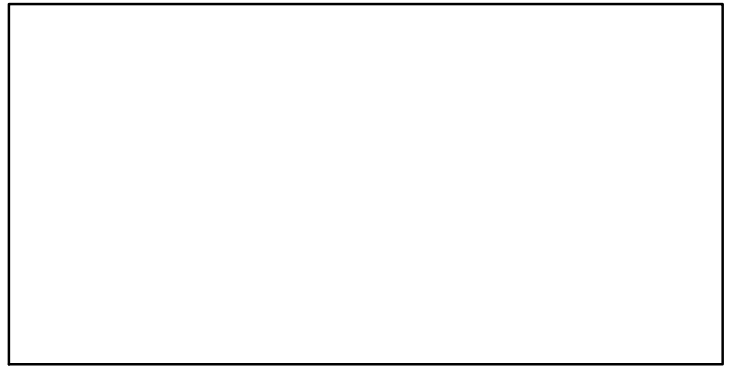
TC-MT, TL\*, RecC\* (1977-2014-SISIMP2016)



TAC\*, Cpair\*, Cadv\*



CPUE\*



EFFORT\*



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

## Haddock Georges Bank [HADGB]

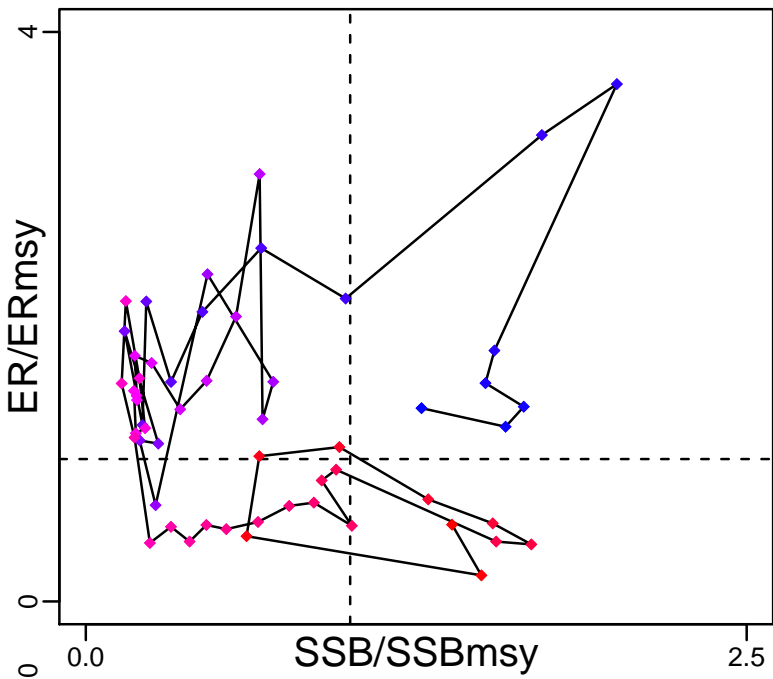
Metadata	
<b>Scientific Name</b>	Melanogrammus aeglefinus
<b>Current Assess ID</b>	NEFSC-HADGB-1960-2014-SISIMP2016
<b>Area</b>	Georges Bank
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in RAM</b>	2010,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

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

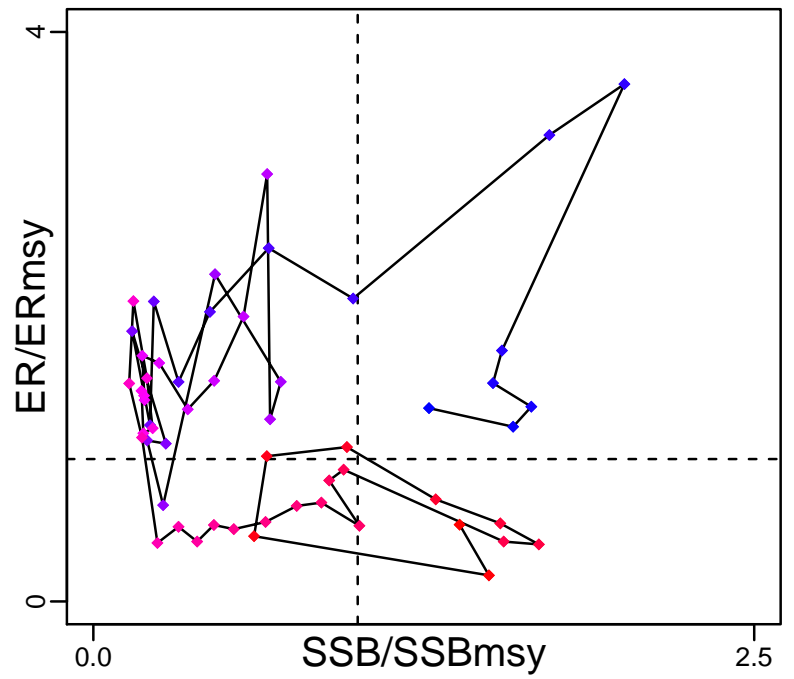
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	-	-	-	-	-
<b>SSB</b>	SSB-MT	2014	150,000	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2014	$3.41 \times 10^9$	-	1
<b>F</b>	F-1/yr	2014	0	-	-
<b>ER</b>	ER-calc-ratio	2014	0	-	-
<b>TC</b>	TC-MT	2014	18,600		
<b>TL</b>	TL-MT	2010	21,500		
<b>TB/TBmsy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

# Haddock Georges Bank [HADGB]

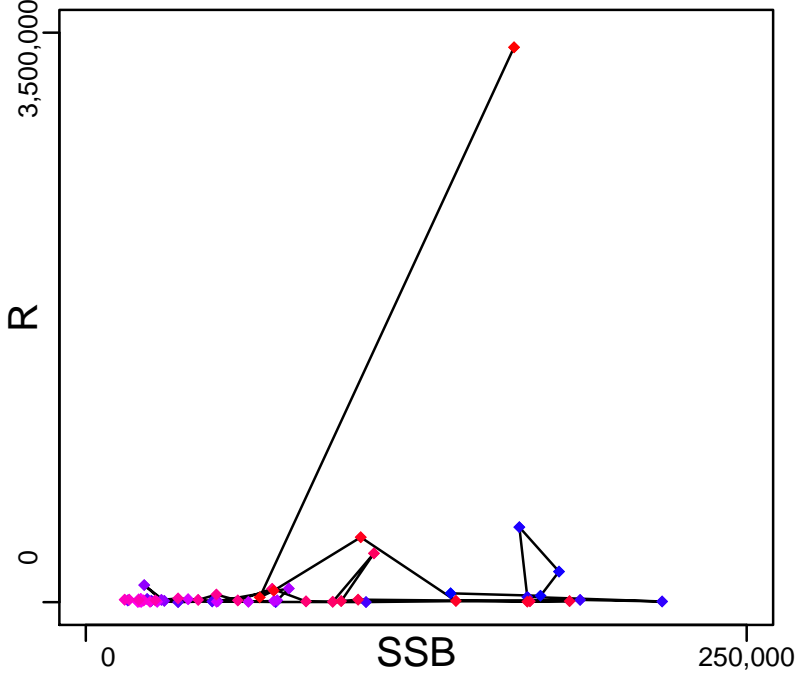
Kobe MSYpref (1960–2014–SISIMP2016)



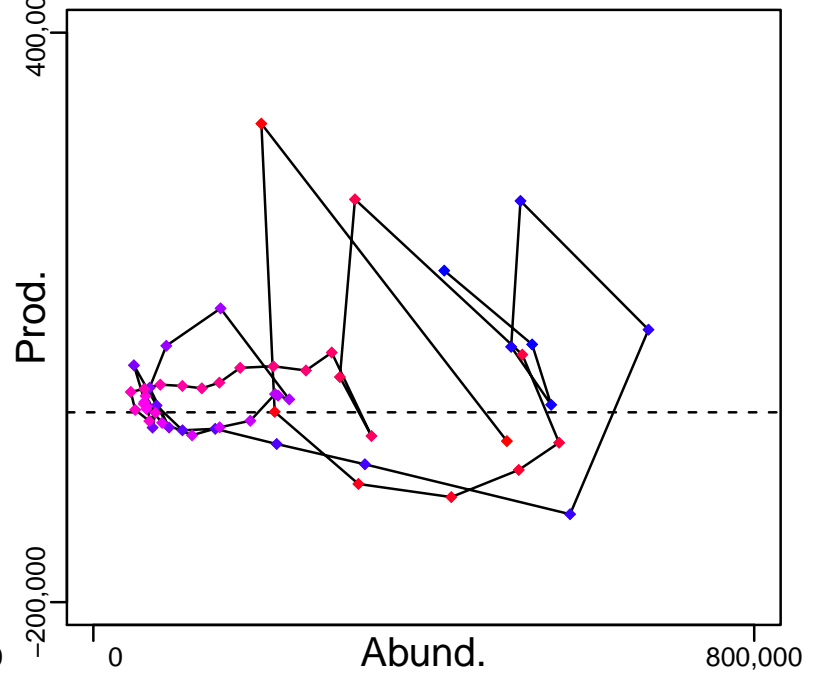
Kobe MGTpref (1960–2014–SISIMP2016)



Spawner Recruit (1960–2014–SISIMP2016)



Production (1960–2014–SISIMP2016)



◆ Start Year ◆ End Year \* No Data

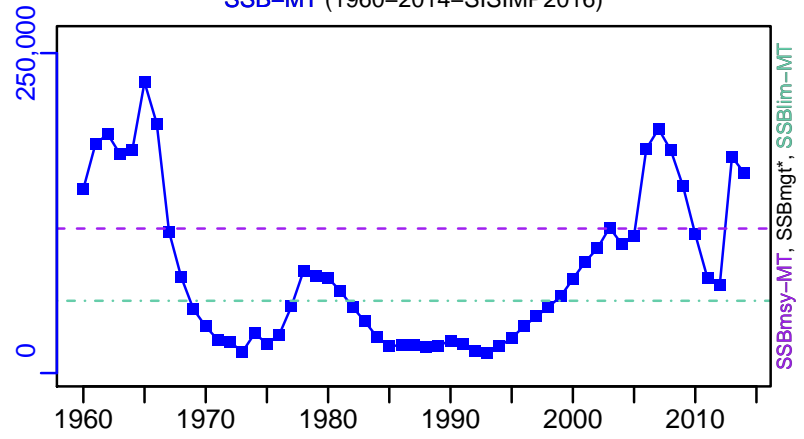


# Haddock Georges Bank [HADGB]

TB\*



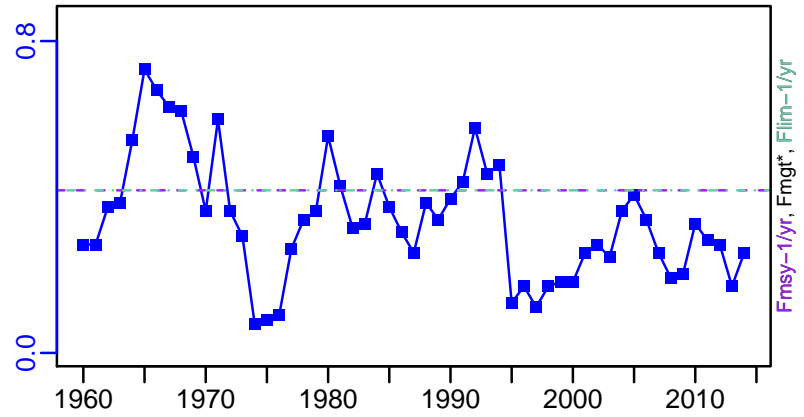
SSB-MT (1960–2014–SISIMP2016)



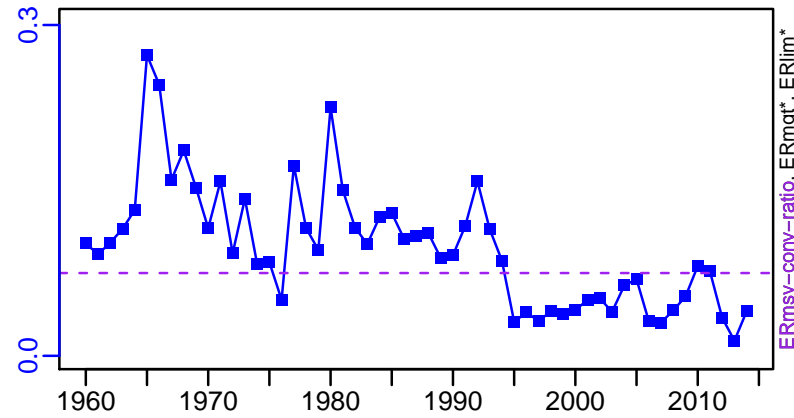
TN \*



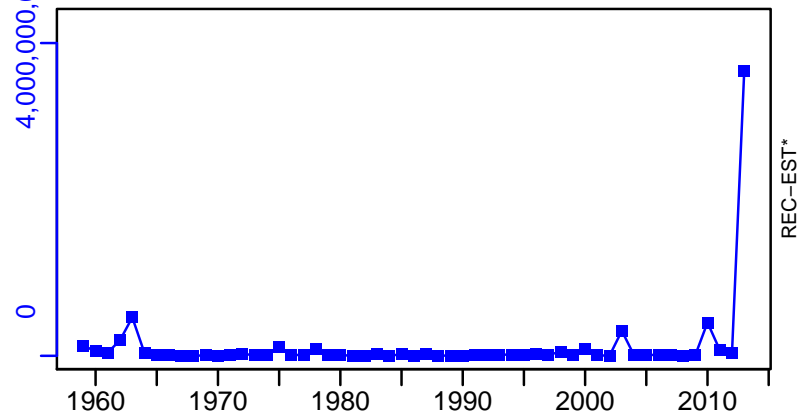
F-1/yr (1960–2014–SISIMP2016)



ER-calc-ratio (1960–2014–SISIMP2016)

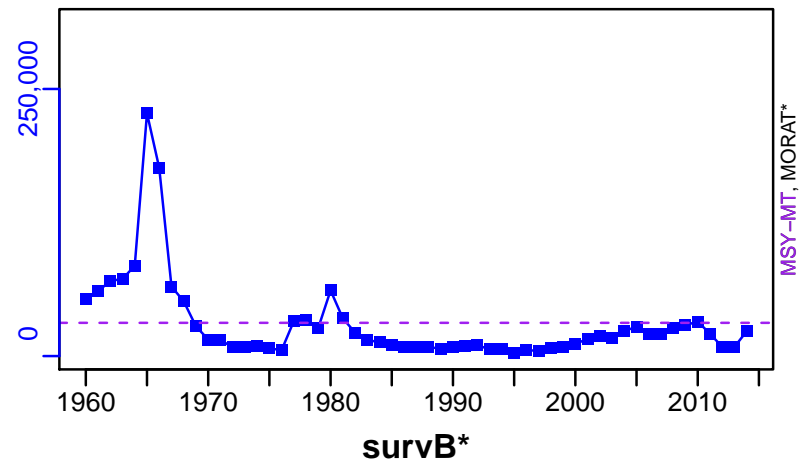


R-E00 (1960–2014–SISIMP2016)



# Haddock Georges Bank [HADGB]

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



TAC\*, Cpair\*, Cadv\*



CPUE\*



EFFORT\*



## Atlantic herring Northwestern Atlantic Coast [HERRNWATLC]

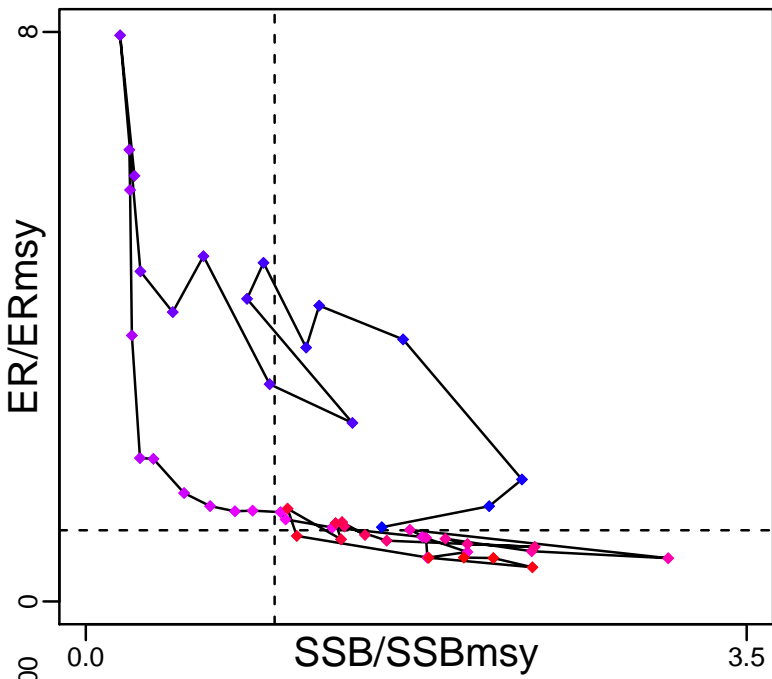
Metadata	
<b>Scientific Name</b>	Clupea harengus
<b>Current Assess ID</b>	NEFSC-HERRNWATLC-1965-2014-SISIMP2016
<b>Area</b>	Northwestern Atlantic Coast
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in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

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

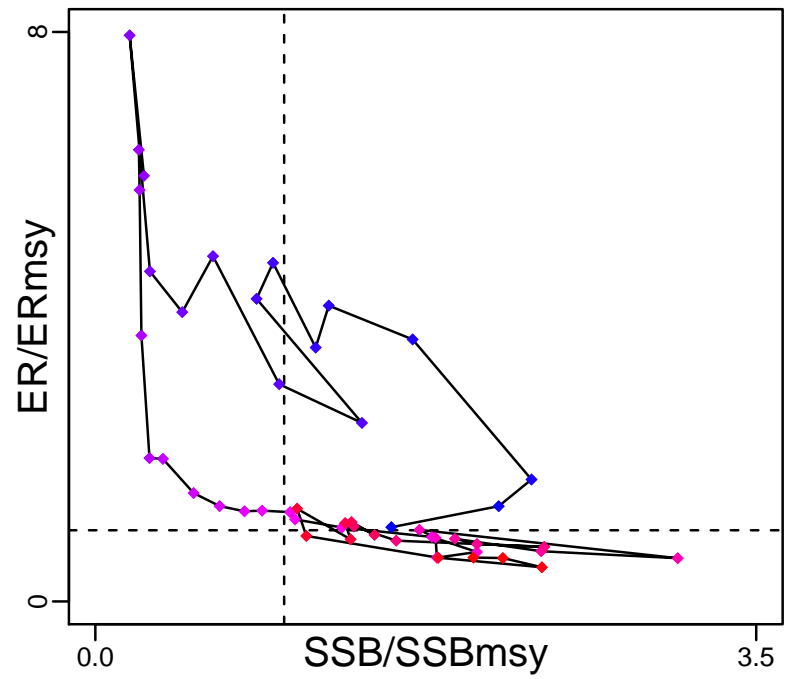
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2011	1,320,000	-	-
<b>SSB</b>	SSB-MT	2014	623,000	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2014	$2.75 \times 10^{10}$	-	1
<b>F</b>	F-1/yr	2014	0	-	5
<b>ER</b>	ER-calc-ratio	2014	0	-	-
<b>TC</b>	TC-MT	2014	95,300		
<b>TL</b>	-	-	-		
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

# Atlantic herring Northwestern Atlantic Coast [HERRNWATLC]

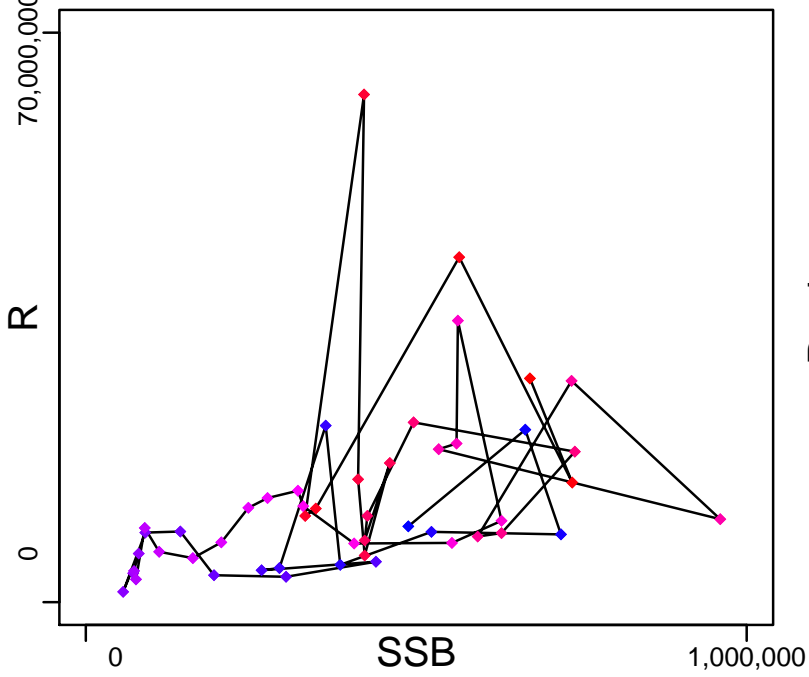
Kobe MSYpref (1965–2014–SISIMP2016)



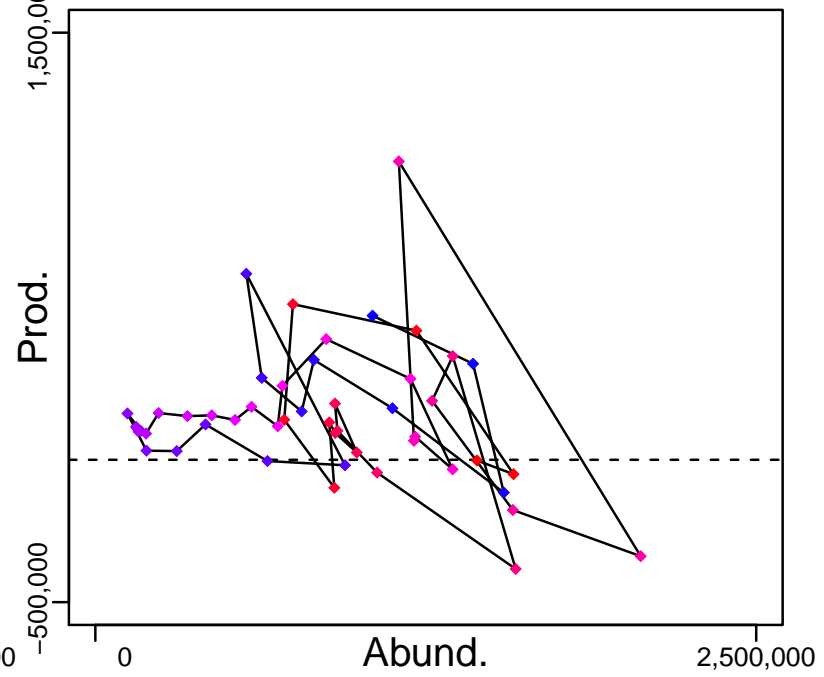
Kobe MGTpref (1965–2014–SISIMP2016)



Spawner Recruit (1965–2014–SISIMP2016)



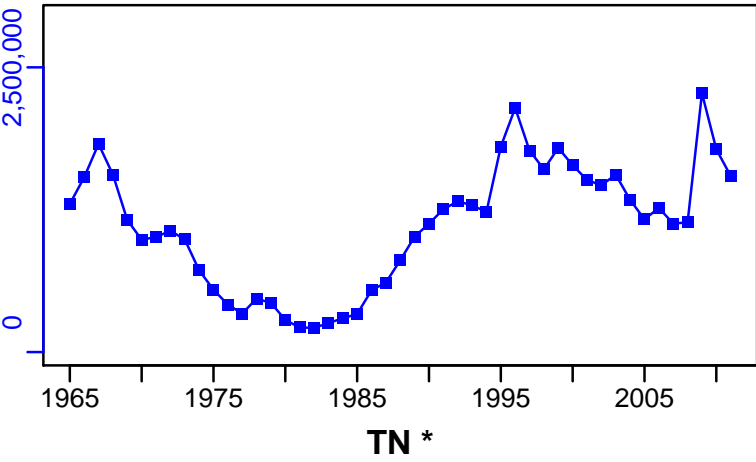
Production (1965–2014–SISIMP2016)



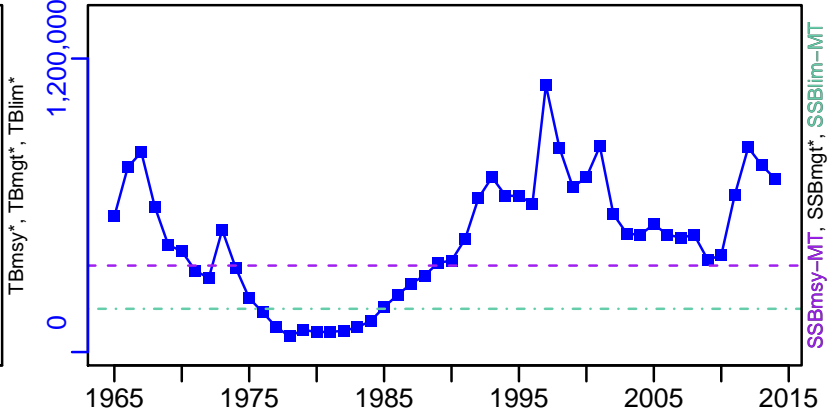
◆ Start Year ◆ End Year \* No Data

# Atlantic herring Northwestern Atlantic Coast [HERRNWATLC]

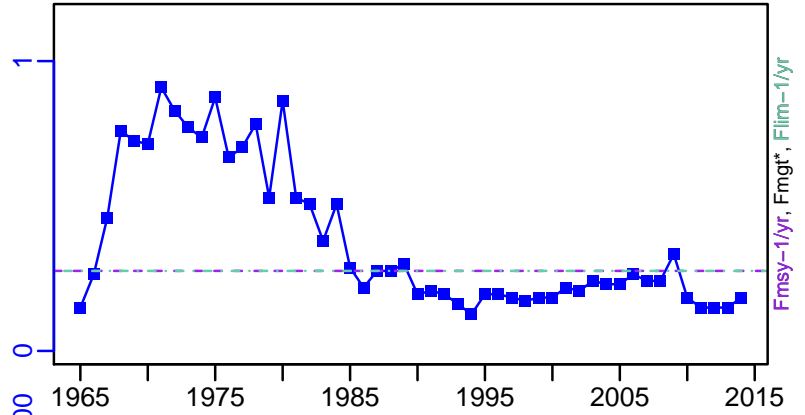
TB-MT (1964–2011–HIVELY)



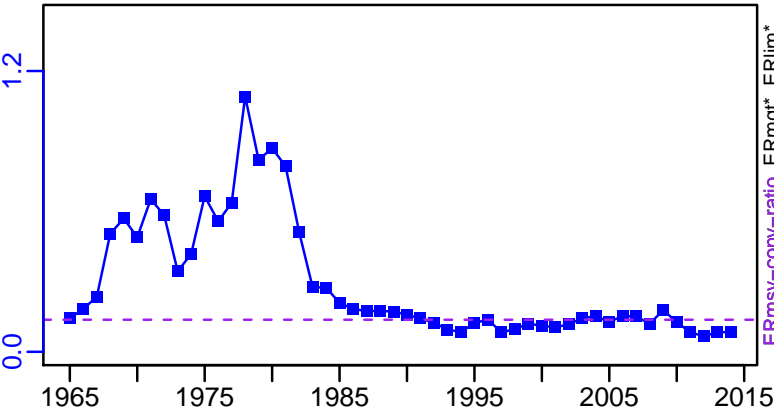
SSB-MT (1965–2014–SISIMP2016)



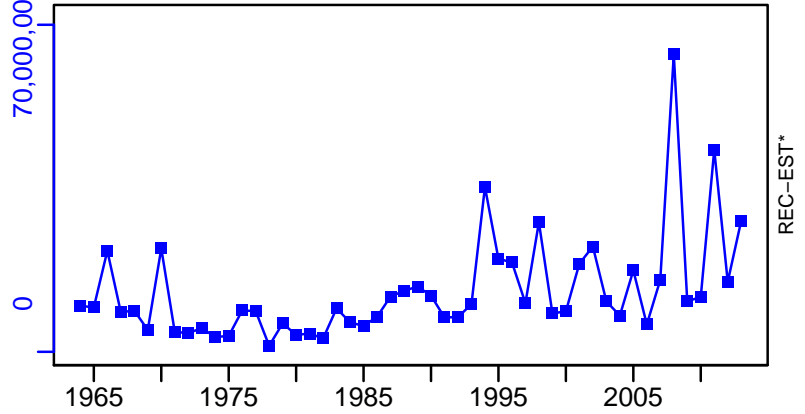
F-1/yr (1965–2014–SISIMP2016)



ER-calc-ratio (1965–2014–SISIMP2016)



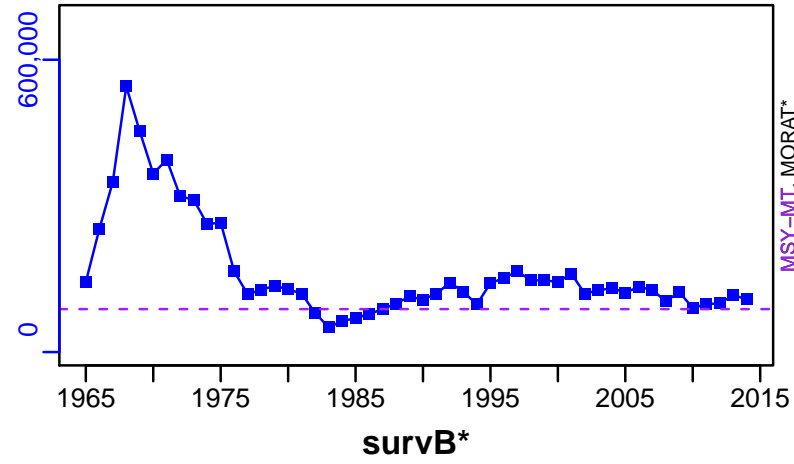
R-E00 (1965–2014–SISIMP2016)



# Atlantic herring Northwestern Atlantic Coast [HERRNWATLC]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Northern shortfin squid Northwestern Atlantic Coast [ILLEXNWATLC]

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

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-relative	2005	1	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2005	12,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

**Kobe MSY\***



**Kobe MGT\***



**Spawner Recruit\***



**Production\***



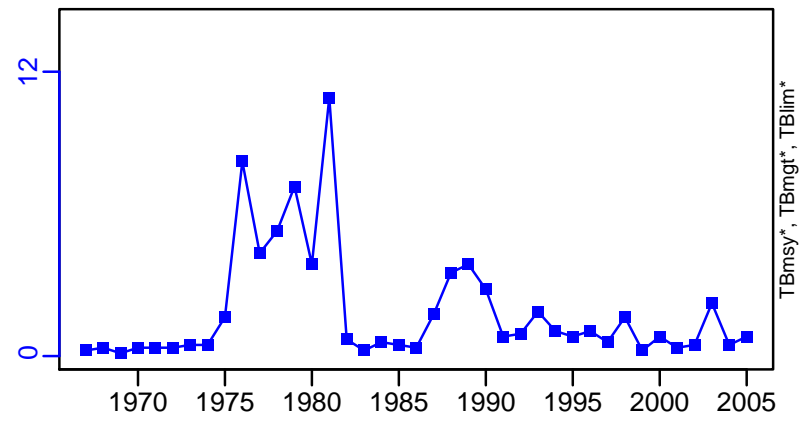
◆ Start Year ◆ End Year \* No Data



# Northern shortfin squid Northwestern Atlantic Coast [ILLEXNWATLC]

TB-relative (1967–2005–HENDRICKSON)

SSB\*

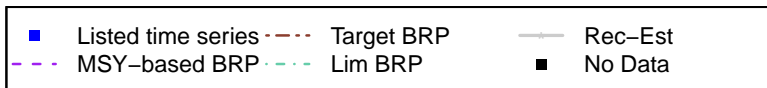


TN \*

F\*

ER\*

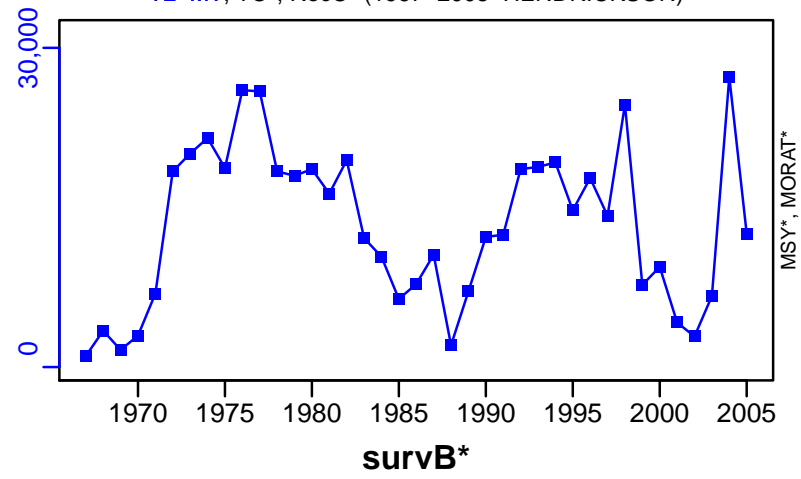
Recruits\*



# Northern shortfin squid Northwestern Atlantic Coast [ILLEXNWATLC]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*

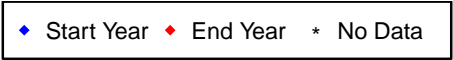
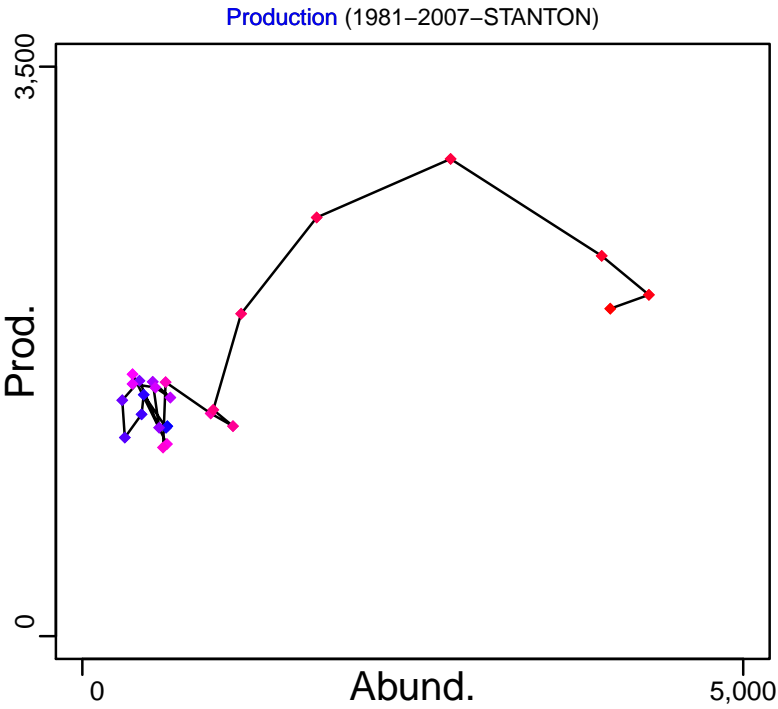
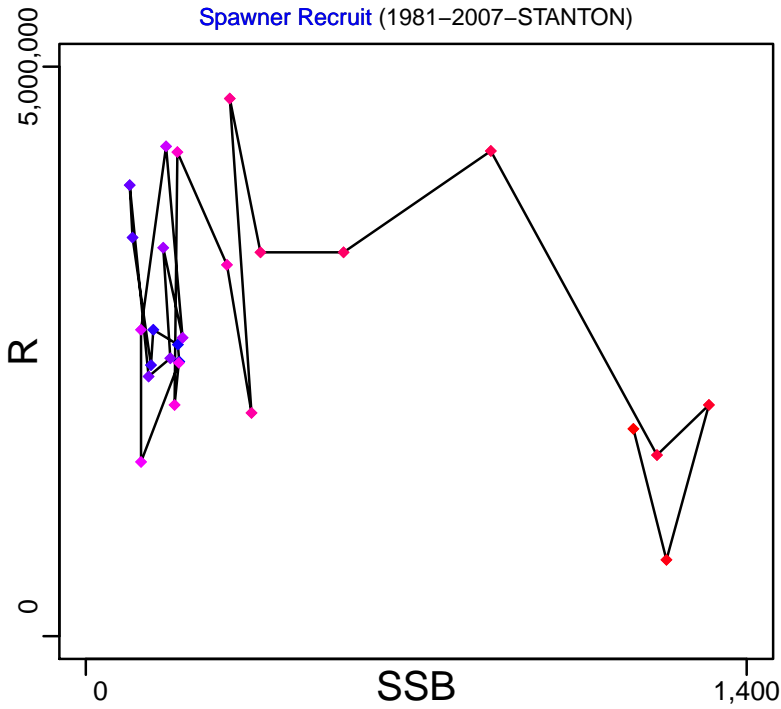


## American lobster Georges Bank [LOBSTERGB]

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

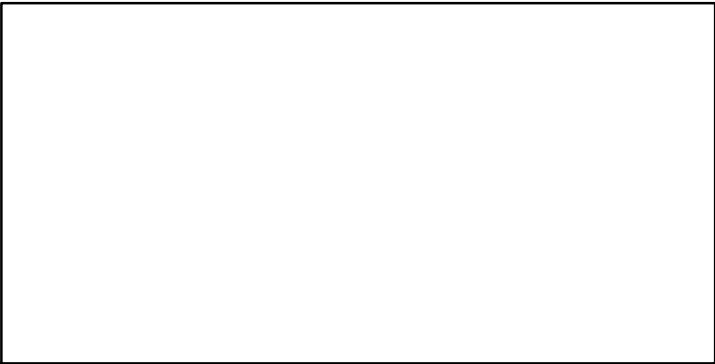
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2007	0.15
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

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

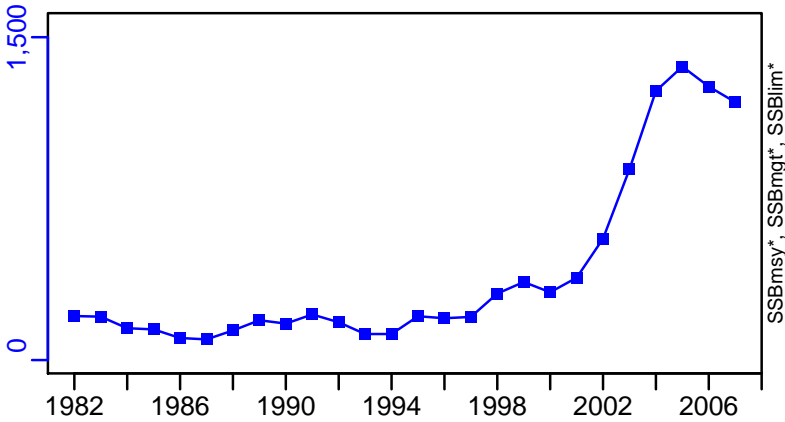


American lobster Georges Bank [LOBSTERGB]

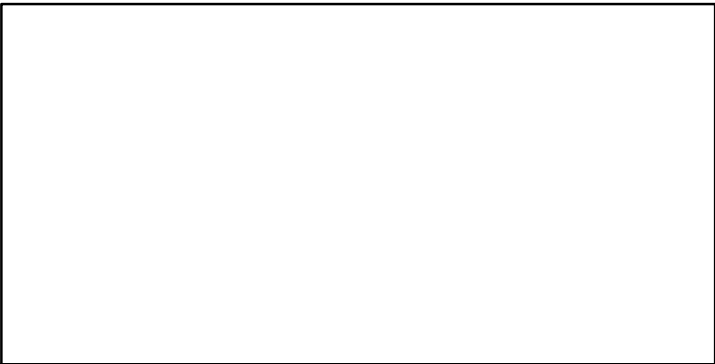
TB\*



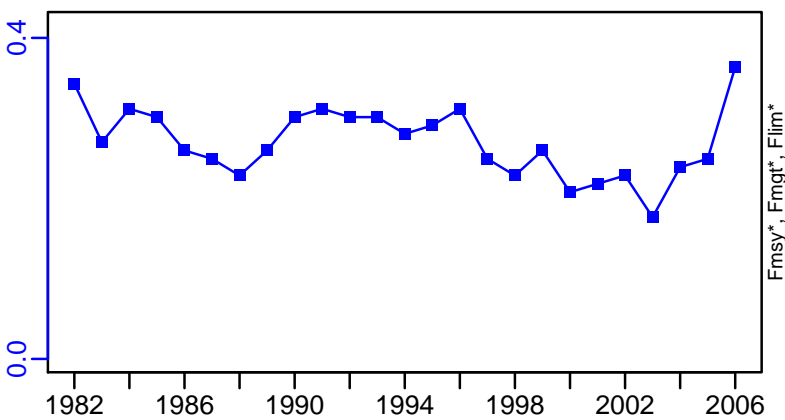
SSB-MT (1981-2007-STANTON)



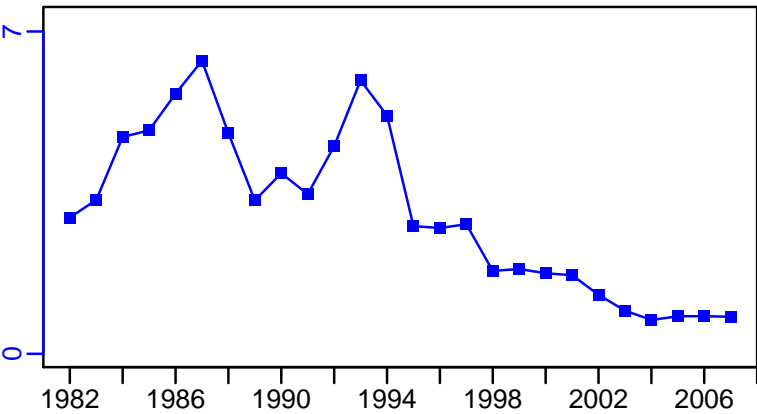
TN \*



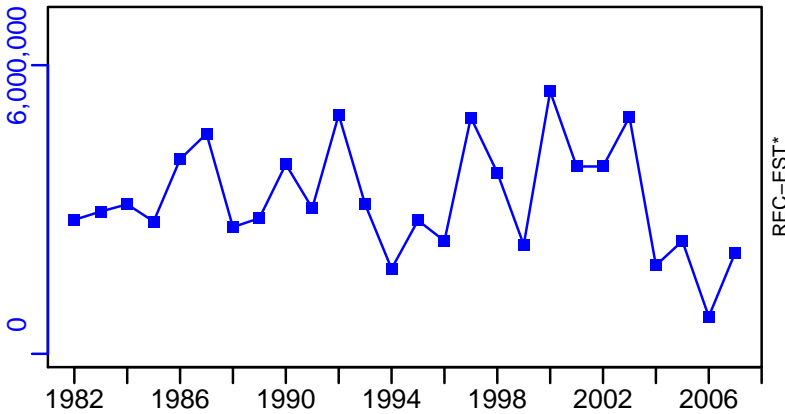
F-1/yr (1981-2007-STANTON)



ER-ratio (1981-2007-STANTON)

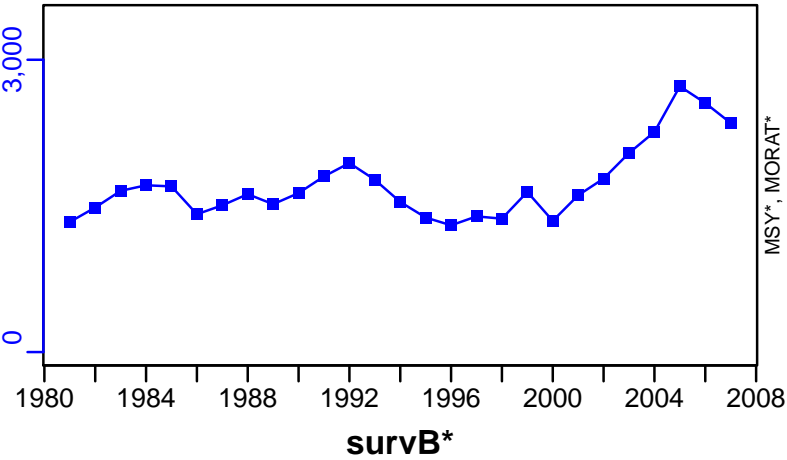


R-E00 (1981-2007-STANTON)



American lobster Georges Bank [LOBSTERGB]

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



TAC\*, Cpair\*, Cadv\*



CPUE\*



EFFORT\*



## American lobster Gulf of Maine [LOBSTERGOM]

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

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

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

American lobster Gulf of Maine [LOBSTERGOM]

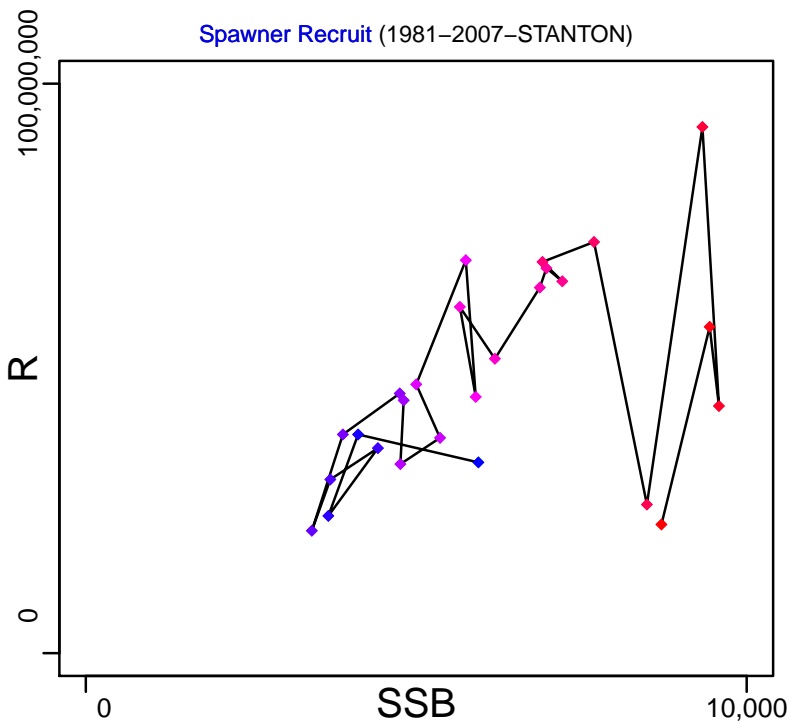
Kobe MSY\*



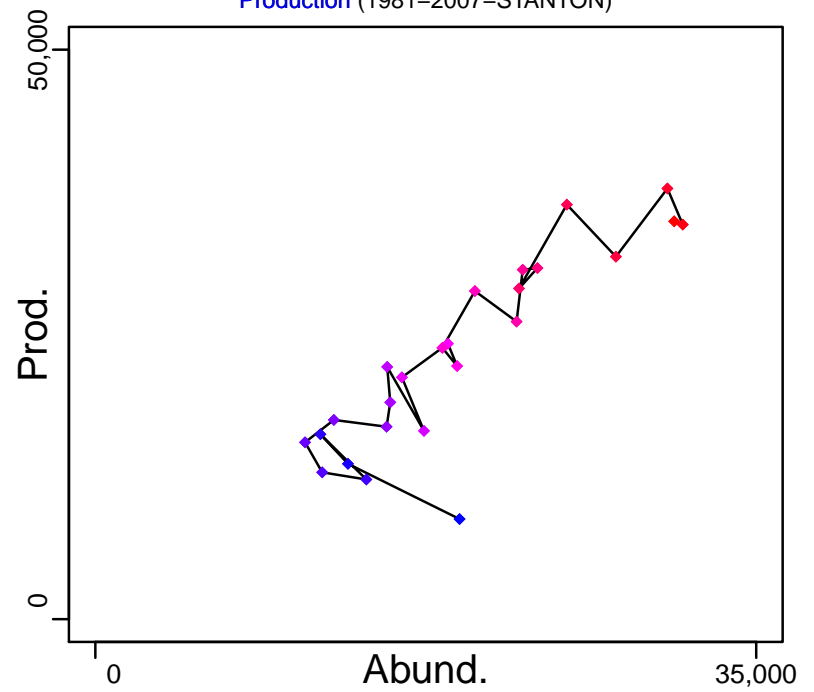
Kobe MGT\*



Spawner Recruit (1981–2007–STANTON)



Production (1981–2007–STANTON)



◆ Start Year ◆ End Year \* No Data

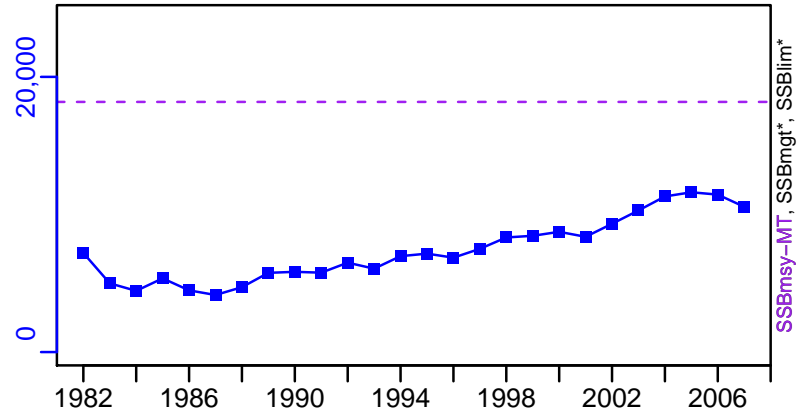


# American lobster Gulf of Maine [LOBSTERGOM]

TB\*



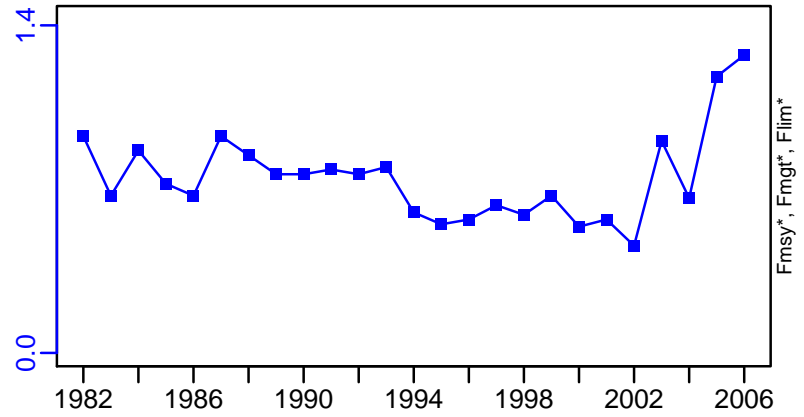
SSB-MT (1981-2007-STANTON)



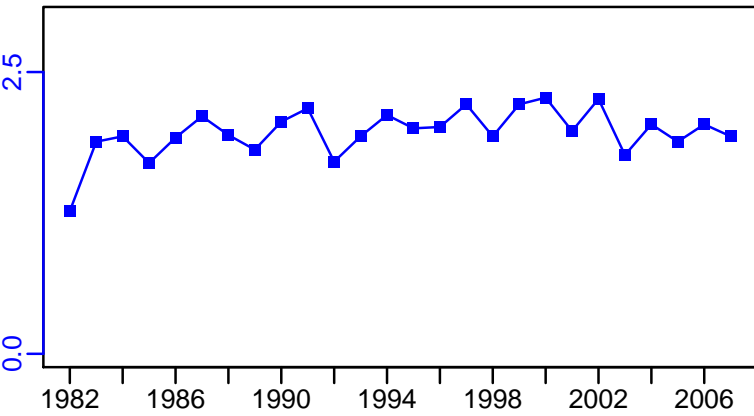
TN \*



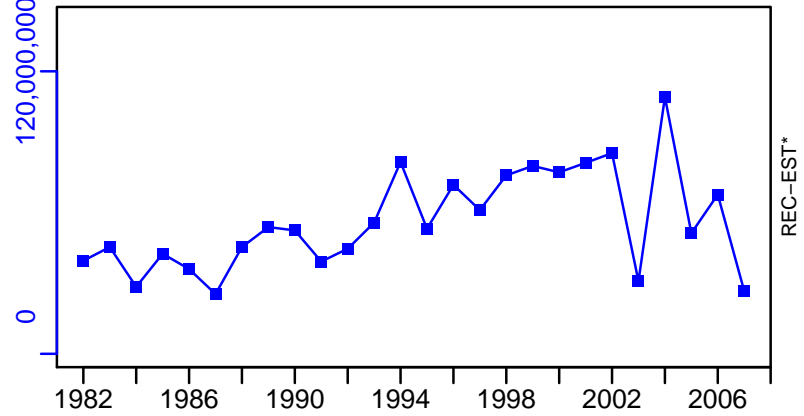
F-1/yr (1981-2007-STANTON)



ER-ratio (1981-2007-STANTON)



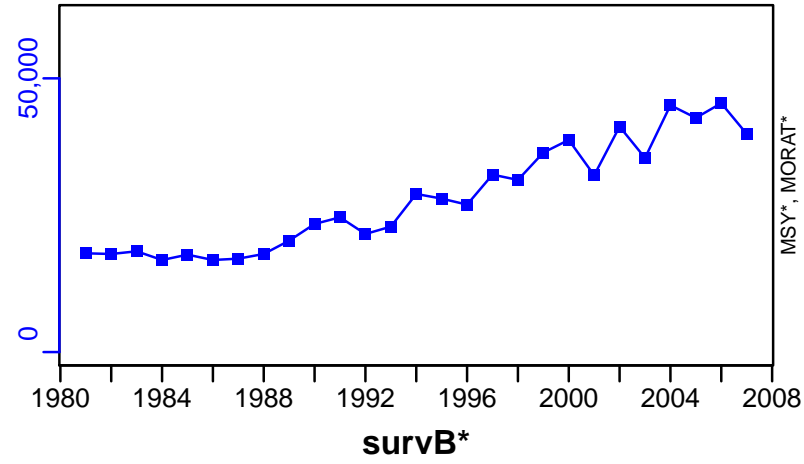
R-E00 (1981-2007-STANTON)



# American lobster Gulf of Maine [LOBSTERGOM]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## American lobster Southern New England [LOBSTERSNE]

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

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

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

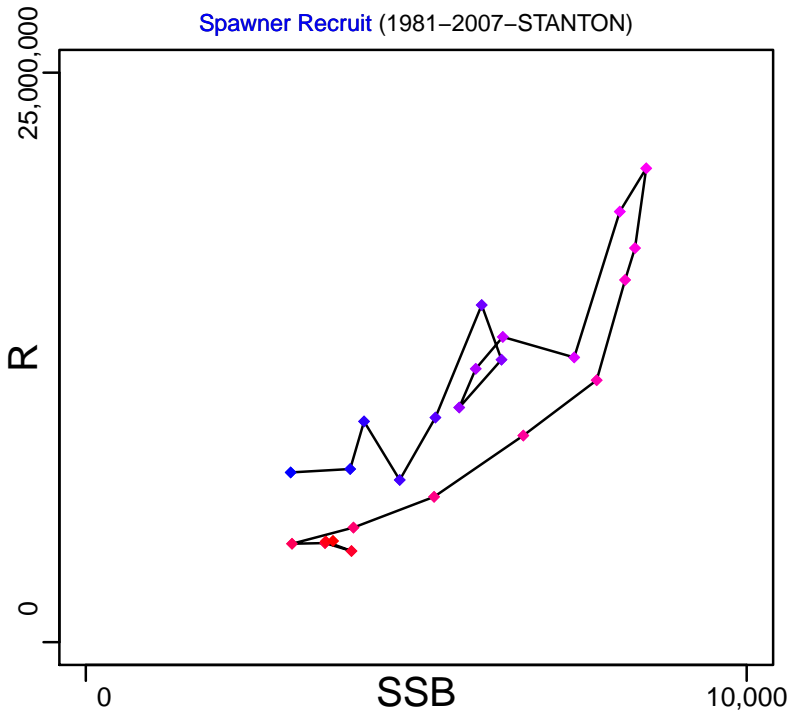
Kobe MSY\*



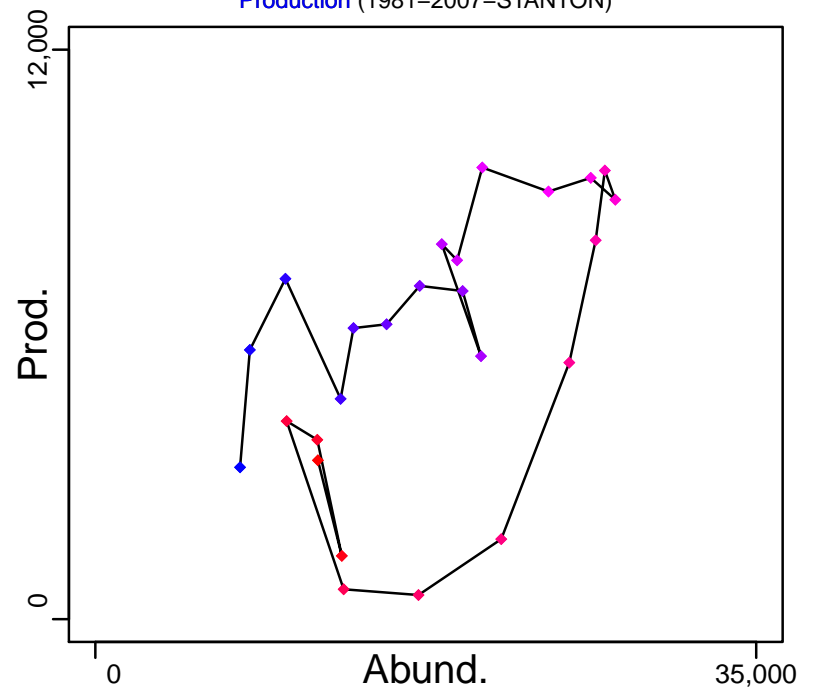
Kobe MGT\*



Spawner Recruit (1981–2007–STANTON)



Production (1981–2007–STANTON)



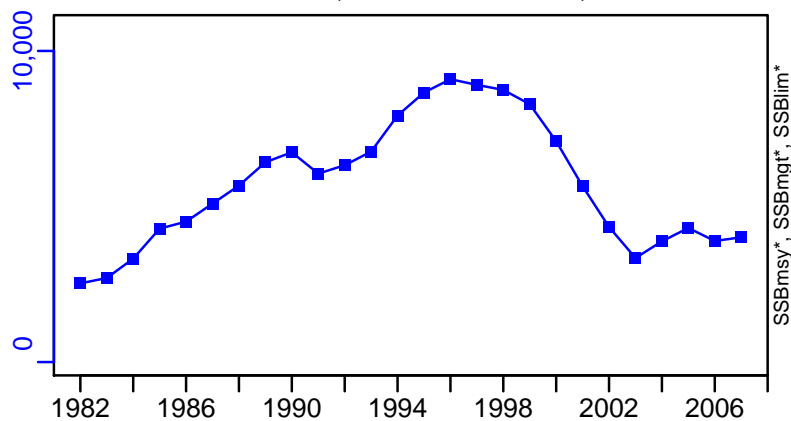
◆ Start Year ◆ End Year \* No Data

# American lobster Southern New England [LOBSTERSNE]

TB\*



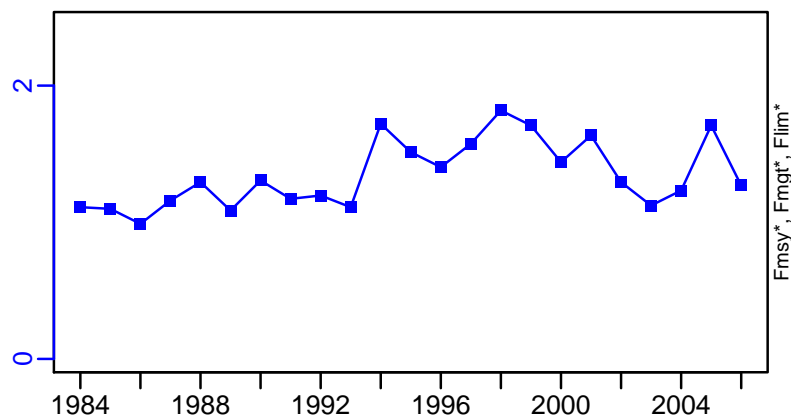
SSB-MT (1981-2007-STANTON)



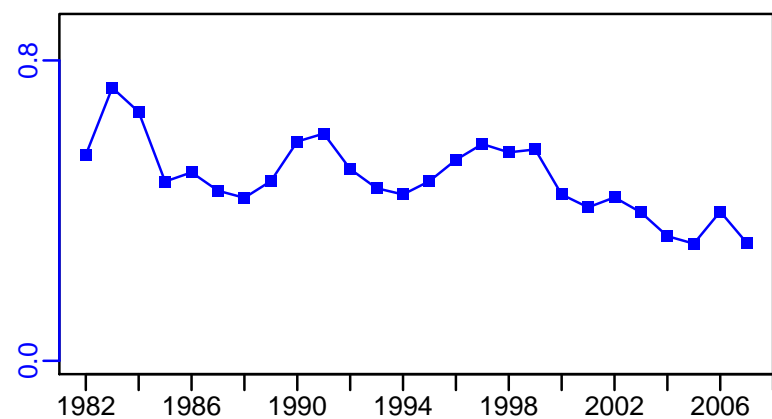
TN \*



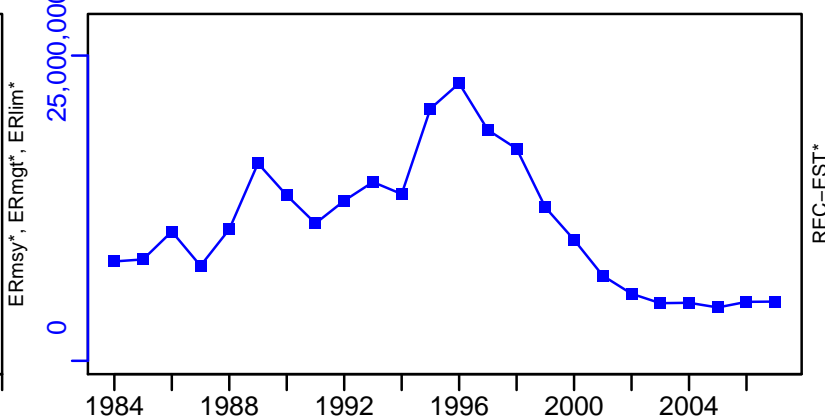
F-1/yr (1981-2007-STANTON)



ER-ratio (1981-2007-STANTON)



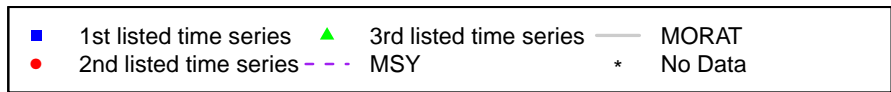
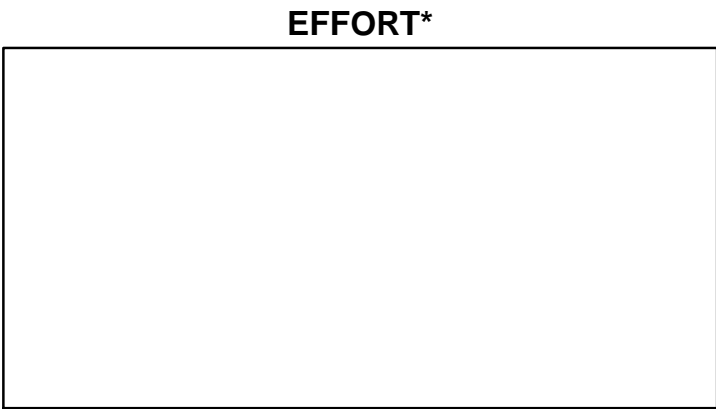
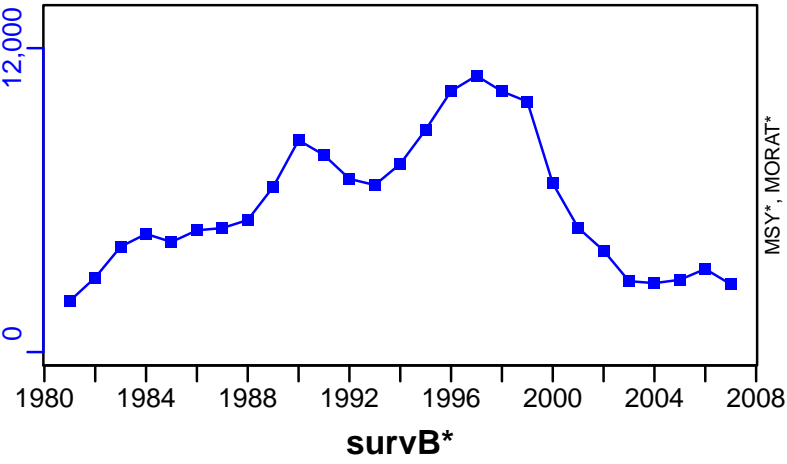
R-E00 (1981-2007-STANTON)



# American lobster Southern New England [LOBSTERSNE]

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

TAC\*, Cpair\*, Cadv\*



## Little skate Gulf of Maine / Cape Hatteras [LSKAT5YCHATT]

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

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

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

**Kobe MSY\***



**Kobe MGT\***



**Spawner Recruit\***



**Production\***



◆ Start Year    ◆ End Year    \* No Data



TB\*



SSB\*



TN \*



F\*



ER\*



Recruits\*



Little skate Gulf of Maine / Cape Hatteras [LSKAT5YCHATT]

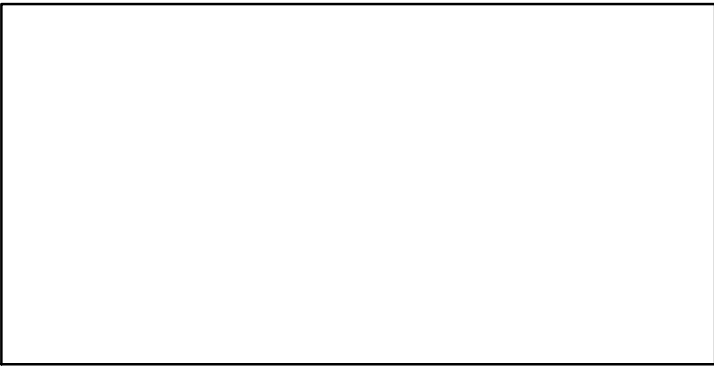
TC\*, TL\*, RecC\*



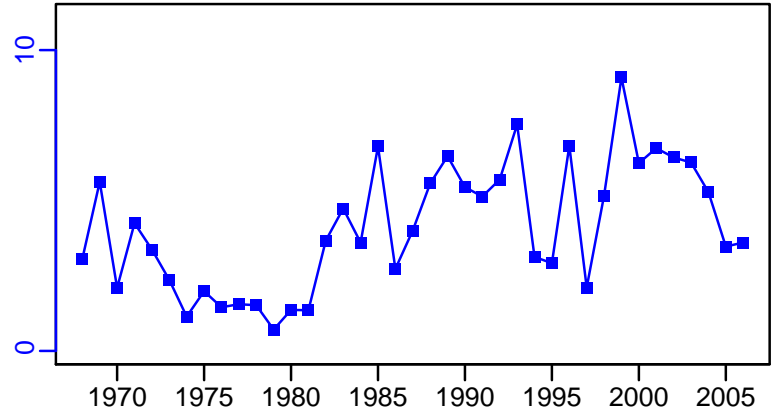
TAC\*, Cpair\*, Cadv\*



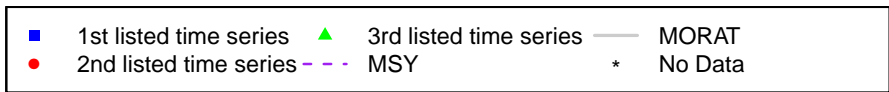
survB\*



CPUE-kgpertow (1968–2006–SOSEBEE)



EFFORT\*



## Atlantic menhaden Atlantic [MENATLAN]

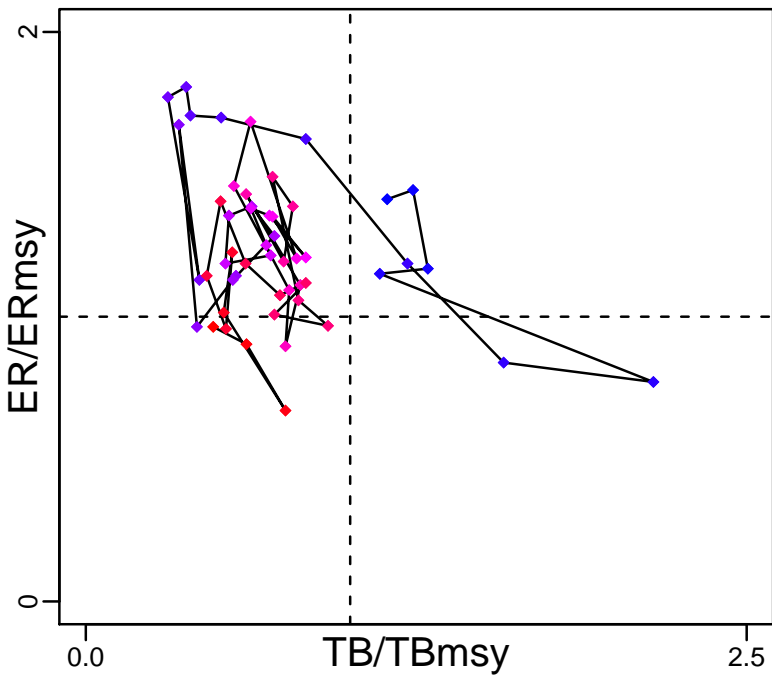
Metadata	
<b>Scientific Name</b>	Brevoortia tyrannus
<b>Current Assess ID</b>	NMFS-MENATLAN-1940-2005-STANTON
<b>Area</b>	Atlantic
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	NOAA Fisheries - National Marine Fisheries Service
<b>Asmts in RAM</b>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

Reference Points			
Type	ID	Asmt Year	Value
<b>TBmsy</b>	TBmsy-est-MT	2005	1,429,778
<b>SSBmsy</b>	-	-	-
<b>Fmsy</b>	-	-	-
<b>ERmsy</b>	ERmsy-est-ratio	2005	0.28
<b>TBmgt</b>	-	-	-
<b>SSBmgt</b>	-	-	-
<b>Fmgt</b>	-	-	-
<b>ERmgt</b>	-	-	-
<b>TB0</b>	-	-	-
<b>SSB0</b>	-	-	-
<b>MSY</b>	MSY-est-MT	2005	398,828
<b>M</b>	M-1/yr	2005	0.5
<b>TBlim</b>	-	-	-
<b>SSBlim</b>	-	-	-
<b>Flim</b>	-	-	-
<b>ERlim</b>	-	-	-

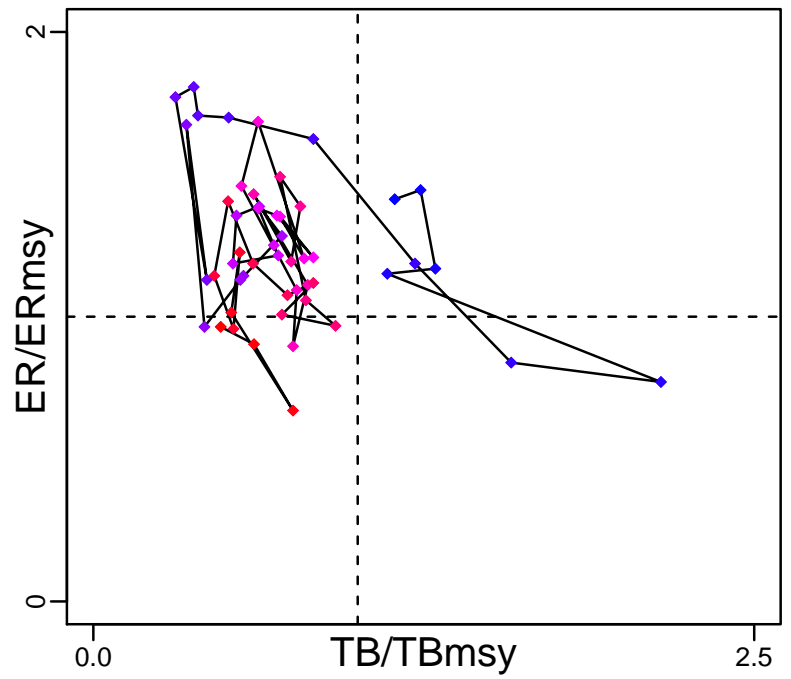
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2005	689,000	-	2+
<b>SSB</b>	-	-	-	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2005	$8.81 \times 10^9$	-	0
<b>F</b>	-	-	-	-	-
<b>ER</b>	ER-ratio	2005	0	-	-
<b>TC</b>	-	-	-		
<b>TL</b>	TL-MT	2005	185,000		
<b>TB/TBmsy</b>	TB-MT/TBmsy-est-MT	2005	0.48		
<b>SSB/SSBmsy</b>	-	-	-		
<b>F/Fmsy</b>	-	-	-		
<b>ER/ERmsy</b>	ER-ratio/ERmsy-est-ratio	2005	0.96		
<b>TB/TBmgt</b>	-	-	-		
<b>SSB/SSBmgt</b>	-	-	-		
<b>F/Fmgt</b>	-	-	-		
<b>ER/ERmgt</b>	-	-	-		

# Atlantic menhaden Atlantic [MENATLAN]

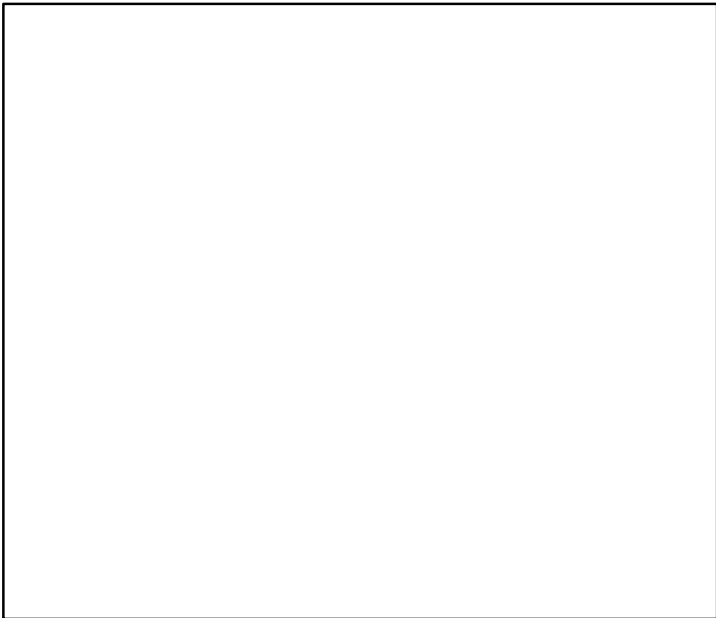
Kobe MSYpref (1940–2005–STANTON)



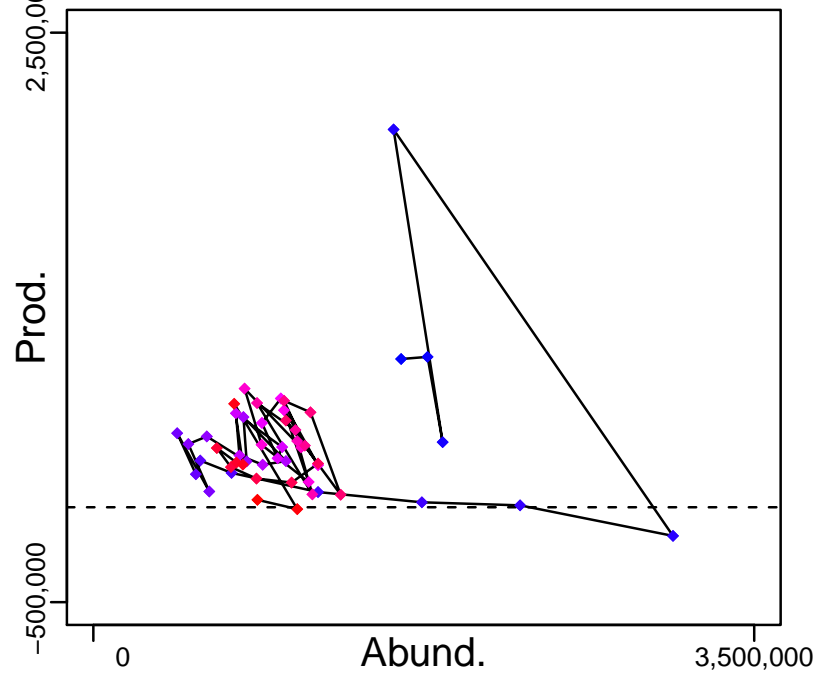
Kobe MGTpref (1940–2005–STANTON)



Spawner Recruit\*



Production (1940–2005–STANTON)

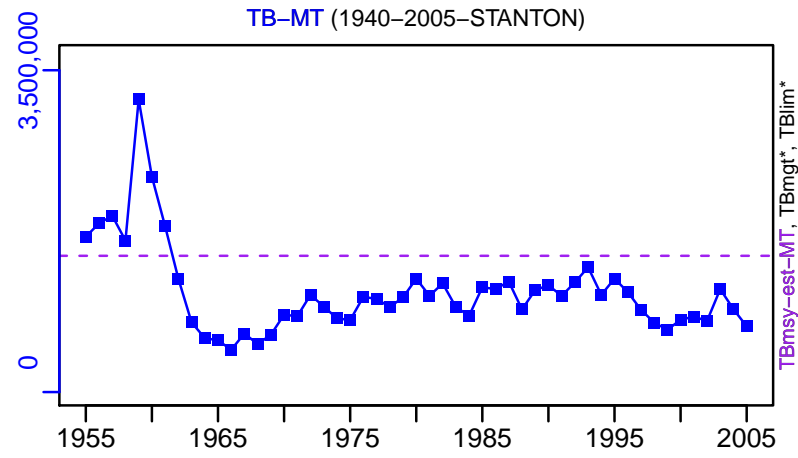


◆ Start Year ◆ End Year \* No Data

# Atlantic menhaden Atlantic [MENATLAN]

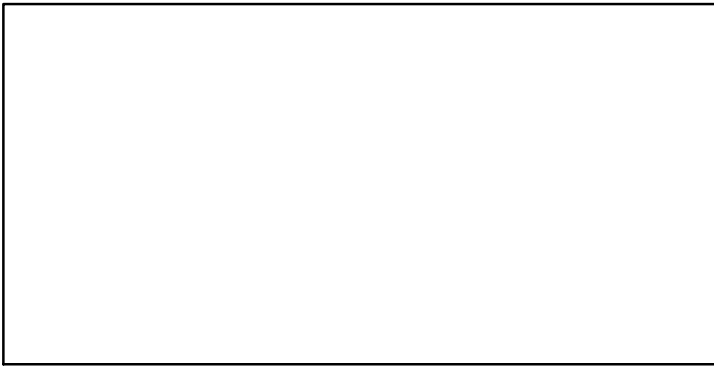
TB-MT (1940-2005-STANTON)

SSB\*



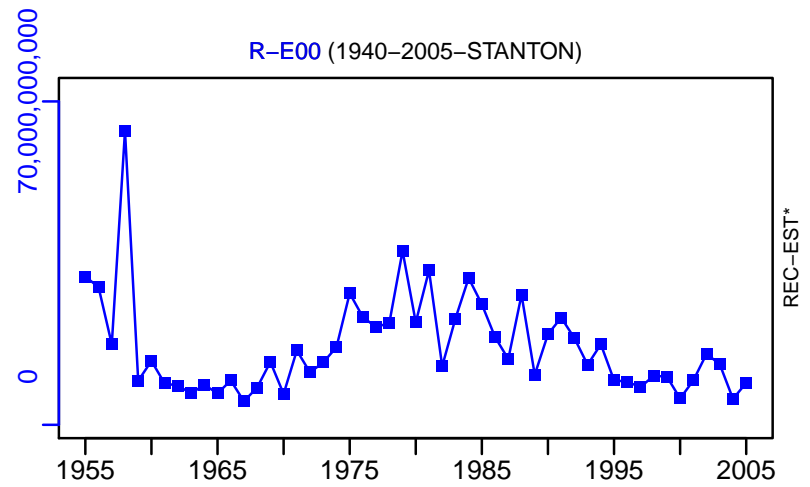
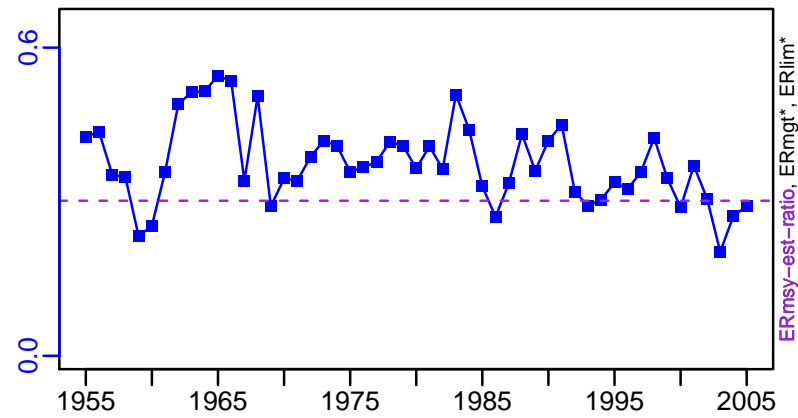
TN \*

F\*



ER-ratio (1940-2005-STANTON)

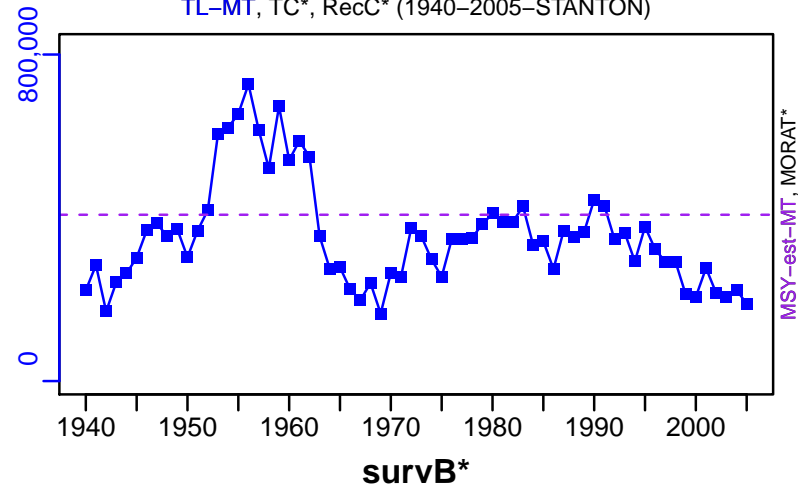
R-E00 (1940-2005-STANTON)



# Atlantic menhaden Atlantic [MENATLAN]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]

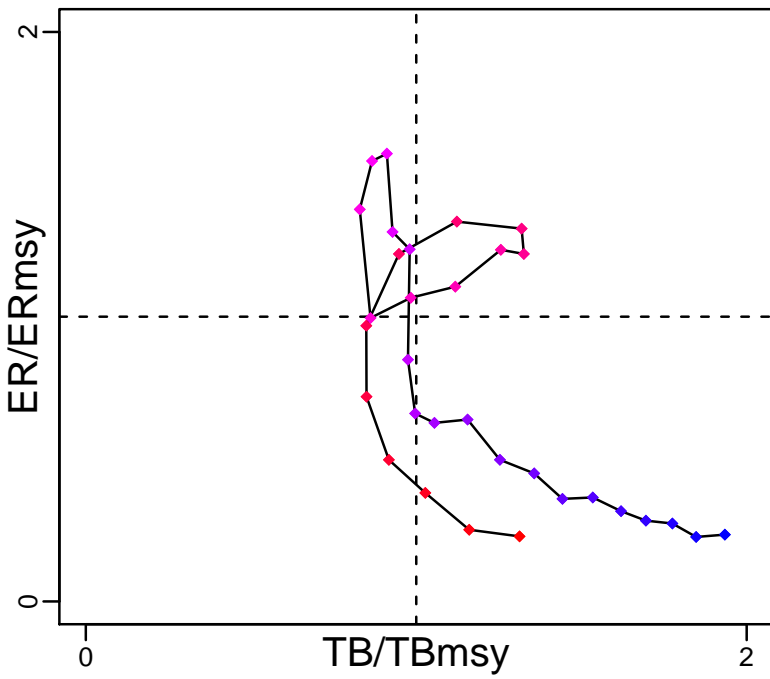
Metadata	
<b>Scientific Name</b>	Lophius americanus
<b>Current Assess ID</b>	NEFSC-MONKGOMNGB-1979-2010-SISIMP2016
<b>Area</b>	Gulf of Maine / Northern Georges Bank
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center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

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

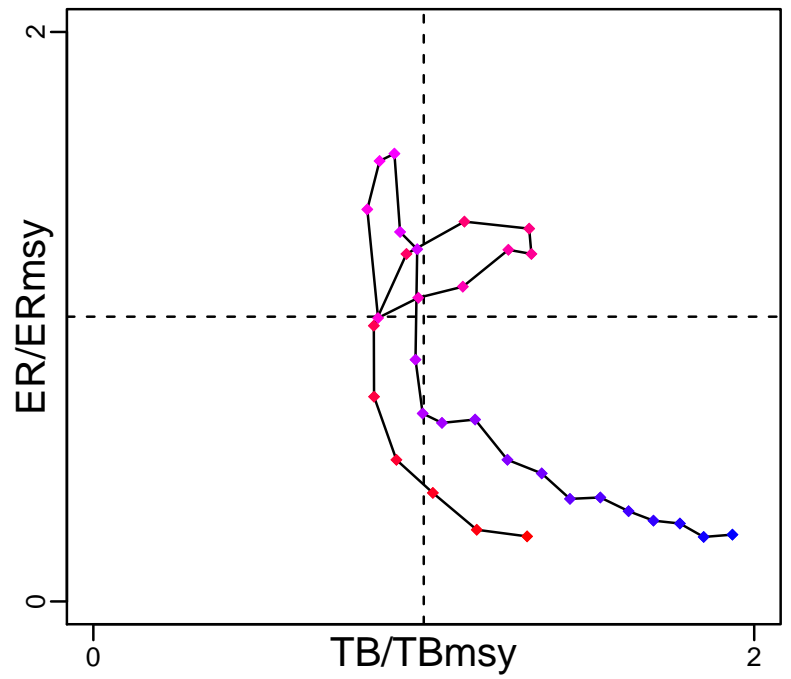
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2010	60,500	-	-
<b>SSB</b>	-	-	-	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2010	11,700,000	-	1
<b>F</b>	F-1/yr	2010	0	-	-
<b>ER</b>	ER-calc-ratio	2010	0	-	-
<b>TC</b>	TC-MT	2010	2810		
<b>TL</b>	TL-MT	2009	3260		
<b>TB/TBmsy</b>	TB-MT/TBmsy-MT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

# Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]

Kobe MSYpref (1979–2010–SISIMP2016)



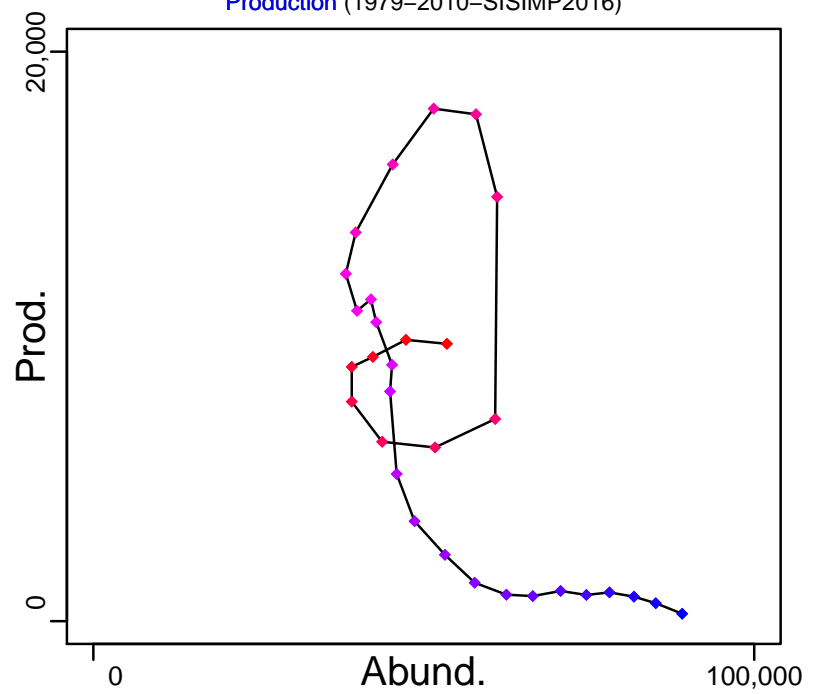
Kobe MGTpref (1979–2010–SISIMP2016)



Spawner Recruit\*



Production (1979–2010–SISIMP2016)



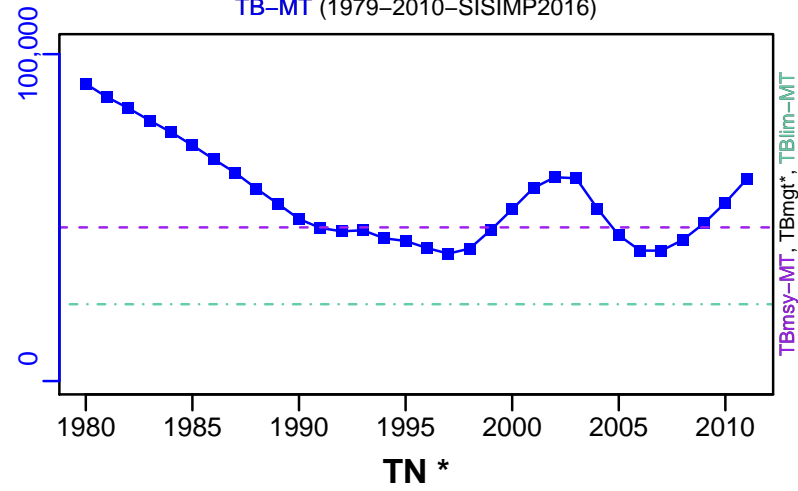
◆ Start Year ◆ End Year \* No Data



# Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]

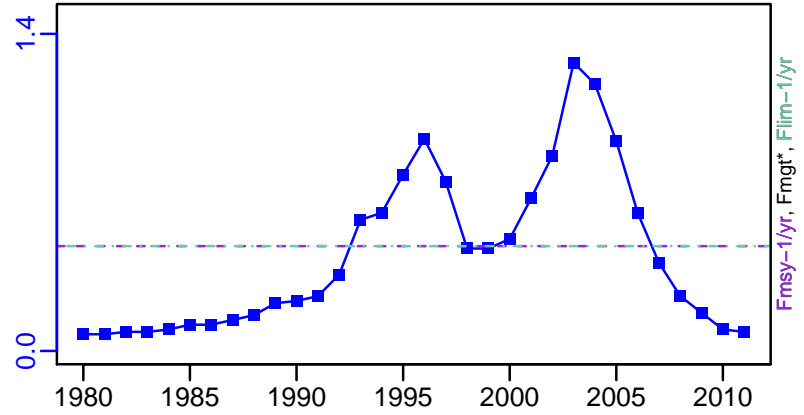
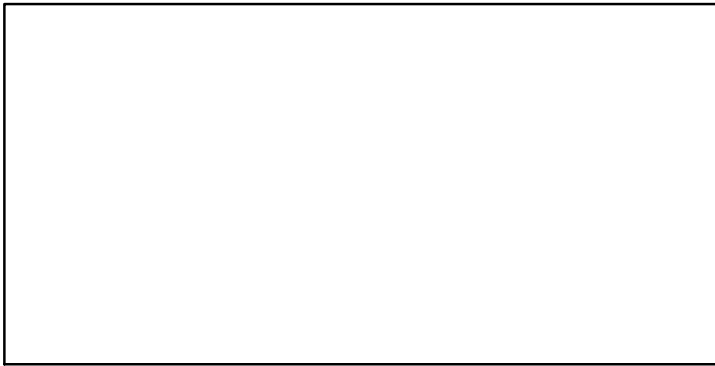
TB-MT (1979–2010–SISIMP2016)

SSB\*



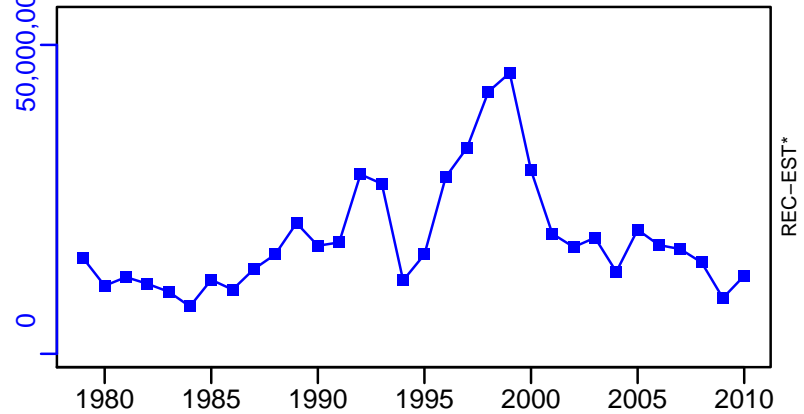
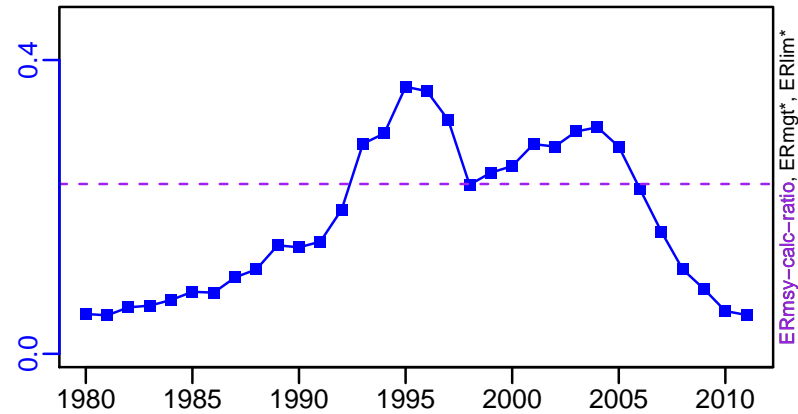
TN \*

F-1/yr (1979–2010–SISIMP2016)



ER-calc-ratio (1979–2010–SISIMP2016)

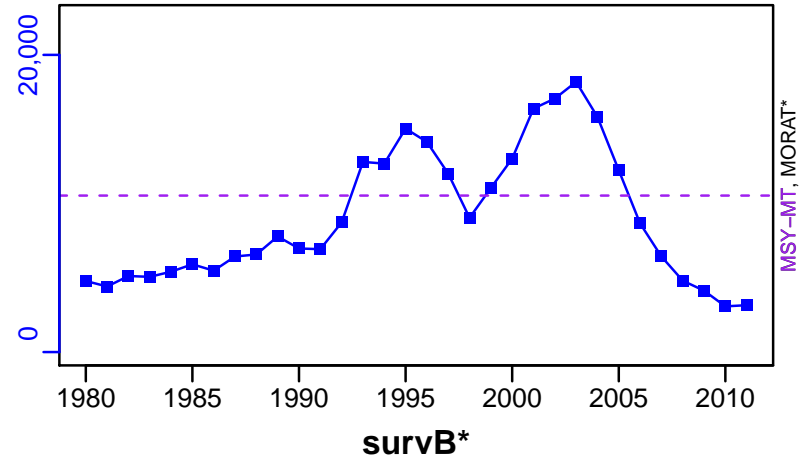
R-E00 (1979–2010–SISIMP2016)



# Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]

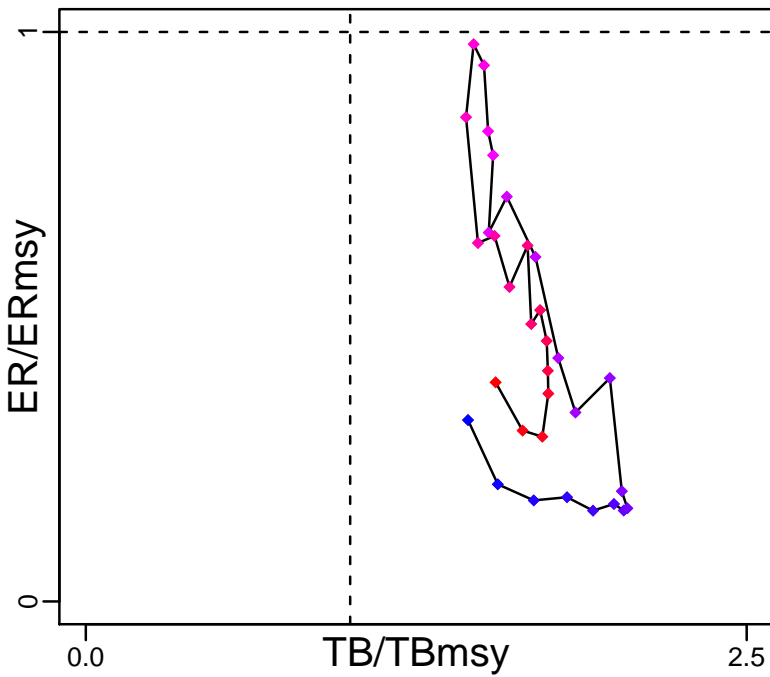
Metadata	
<b>Scientific Name</b>	Lophius americanus
<b>Current Assess ID</b>	NEFSC-MONKSGBMATL-1979-2010-SISIMP2016
<b>Area</b>	Southern Georges Bank / Mid-Atlantic
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center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

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

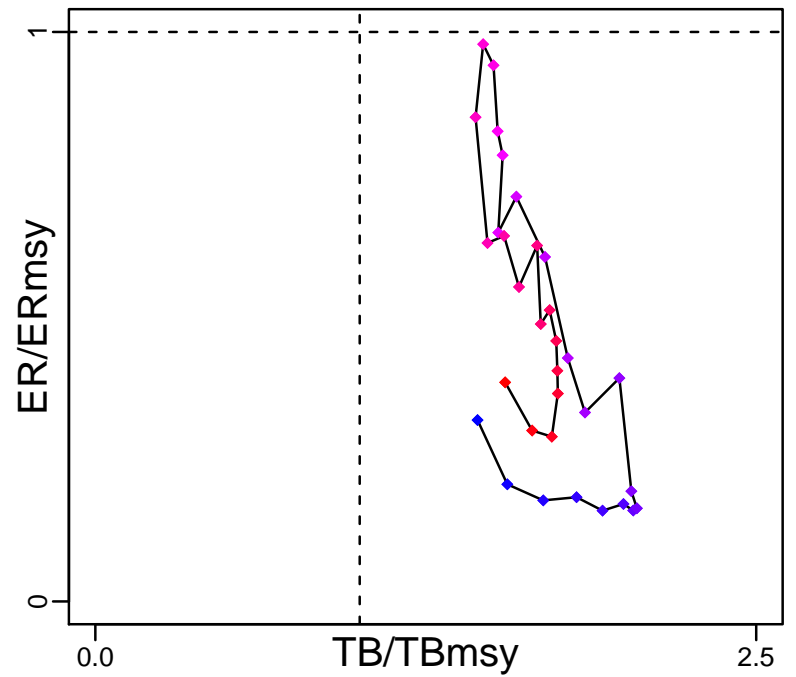
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2010	111,000	-	-
<b>SSB</b>	-	-	-	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2010	23,300,000	-	1
<b>F</b>	F-1/yr	2010	0	-	-
<b>ER</b>	ER-calc-ratio	2010	0	-	-
<b>TC</b>	TC-MT	2010	8550		
<b>TL</b>	TL-MT	2009	5300		
<b>TB/TBmsy</b>	TB-MT/TBmsy-MT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

# Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]

Kobe MSY<sub>pref</sub> (1979–2010–SISIMP2016)



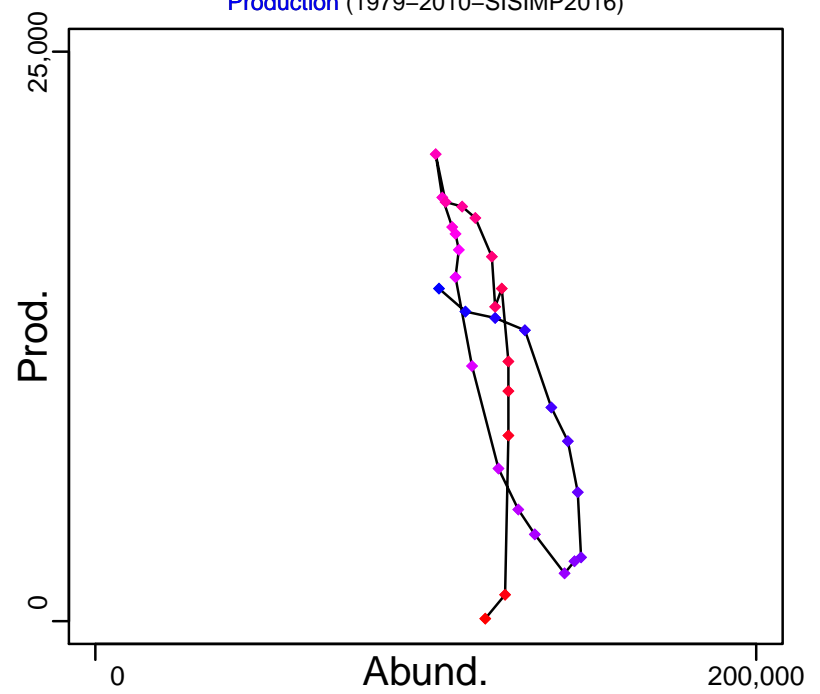
Kobe MGT<sub>pref</sub> (1979–2010–SISIMP2016)



Spawner Recruit\*



Production (1979–2010–SISIMP2016)

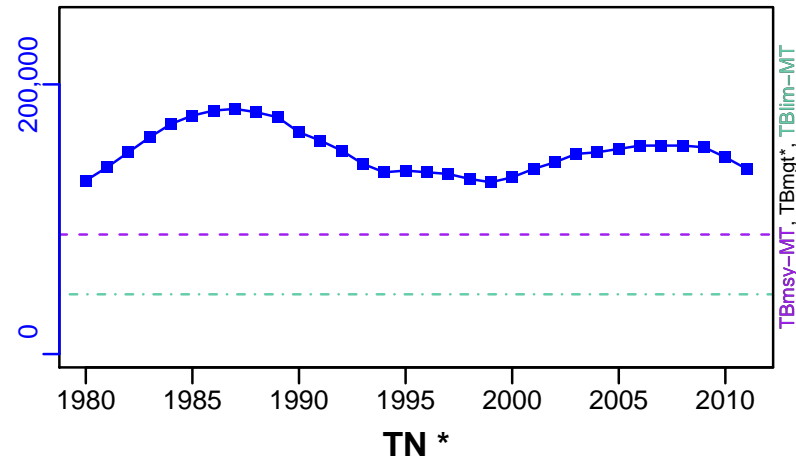


◆ Start Year ◆ End Year \* No Data

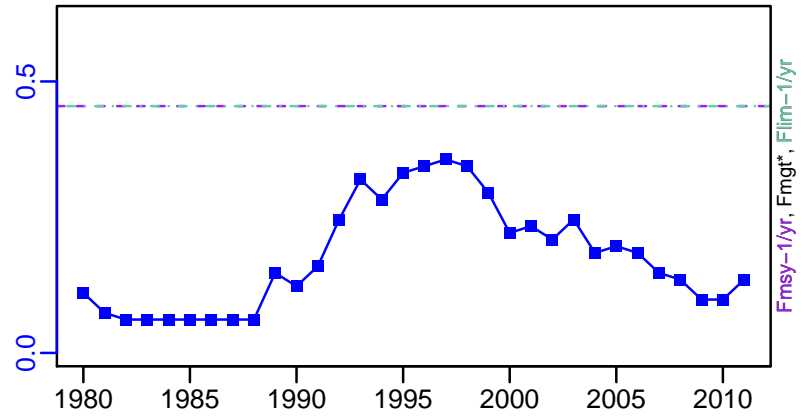
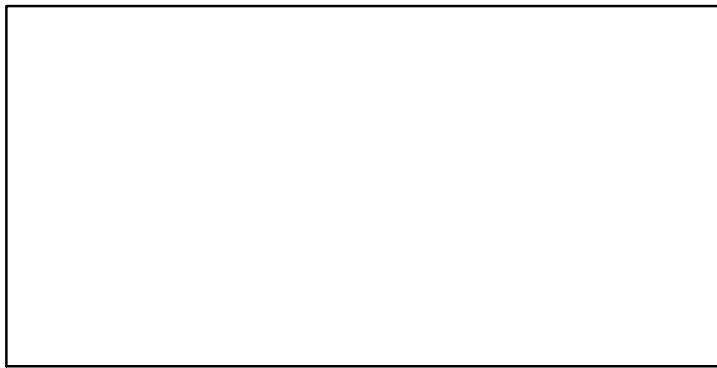
# Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]

TB-MT (1979–2010–SISIMP2016)

SSB\*

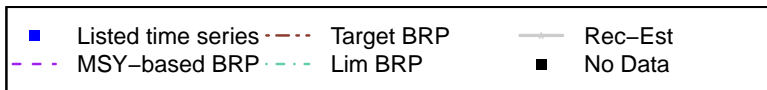
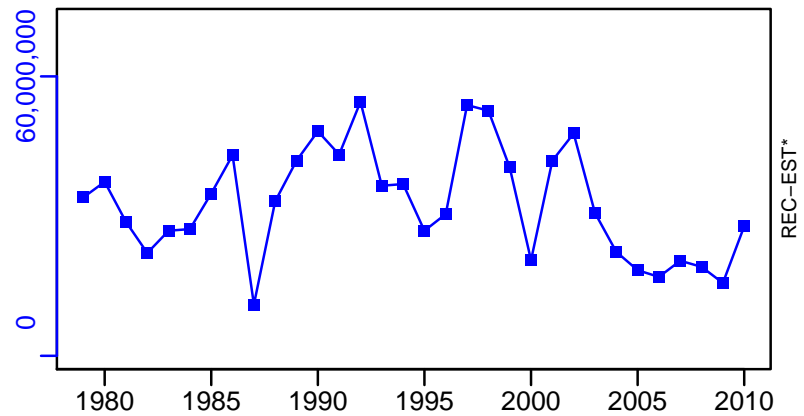
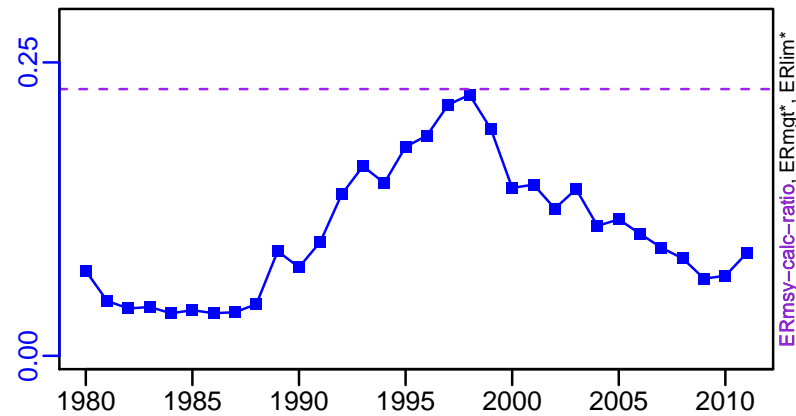


F-1/yr (1979–2010–SISIMP2016)



ER-calc-ratio (1979–2010–SISIMP2016)

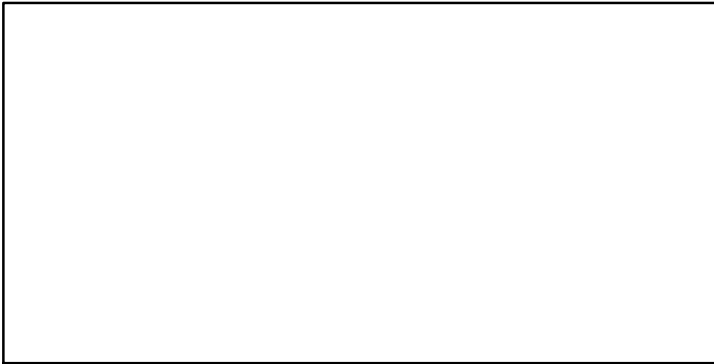
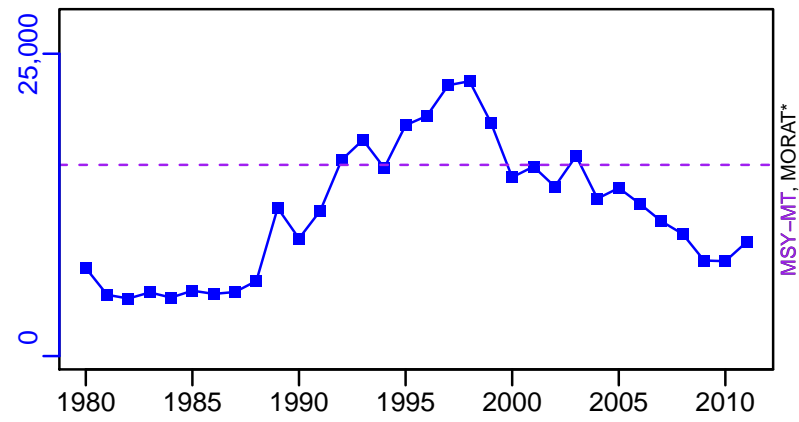
R-E00 (1979–2010–SISIMP2016)



# Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]

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

TAC\*, Cpair\*, Cadv\*



## Ocean pout Northwestern Atlantic Coast [OPOUTNWATLC]

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

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

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

**Kobe MSY\***



**Kobe MGT\***



**Spawner Recruit\***



**Production\***



◆ Start Year   ◆ End Year   \* No Data



Ocean pout Northwestern Atlantic Coast [OPOUTNWATLC]

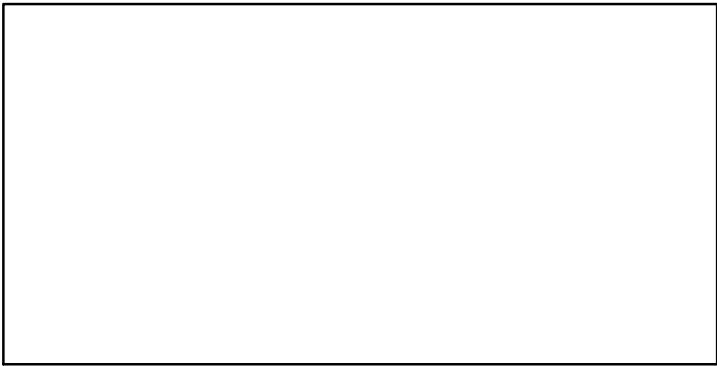
TB\*



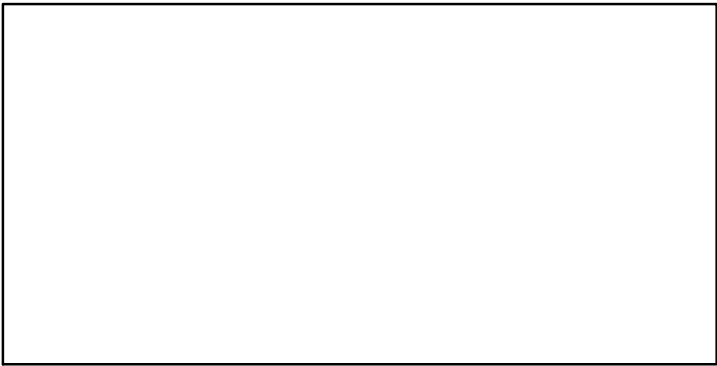
SSB\*



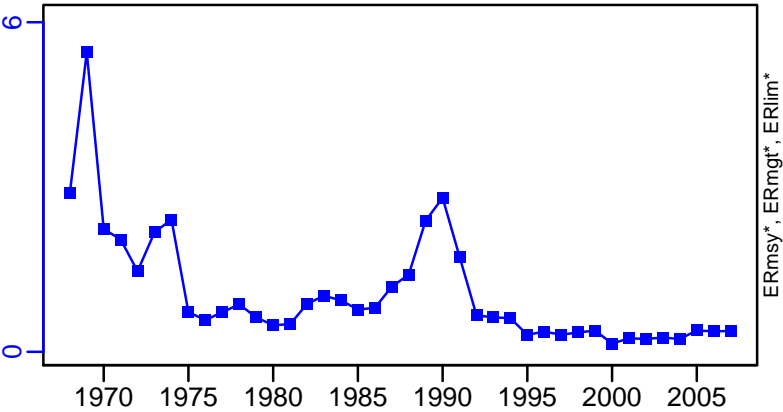
TN \*



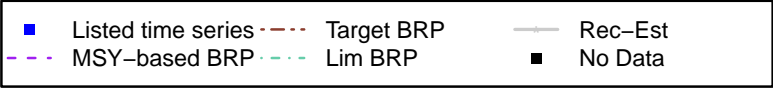
F\*



ER-ratio (1962–2008–WIGLEY)

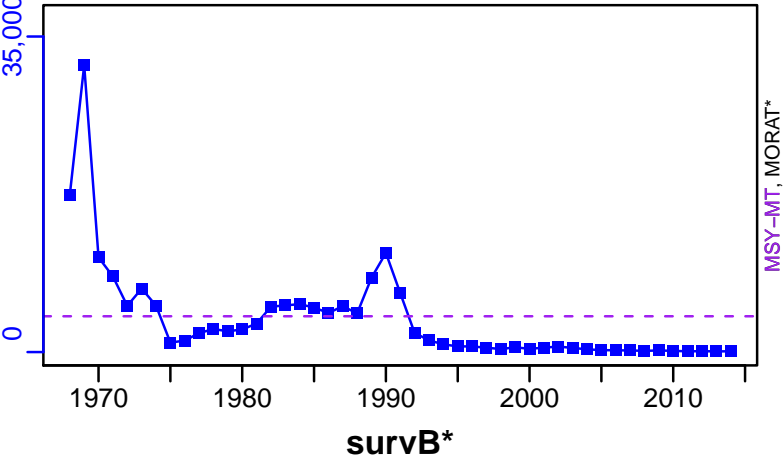


Recruits\*



Ocean pout Northwestern Atlantic Coast [OPOUTNWATLC]

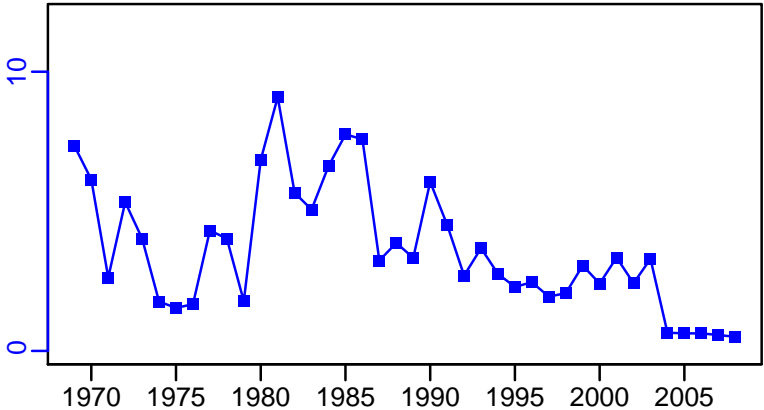
TC-MT, TL\*, RecC\* (1968-2014-SISIMP2016)



TAC\*, Cpair\*, Cadv\*



CPUE-kgpertow (1962-2008-WIGLEY)



EFFORT\*



## Northern shrimp Gulf of Maine [PANDALGOM]

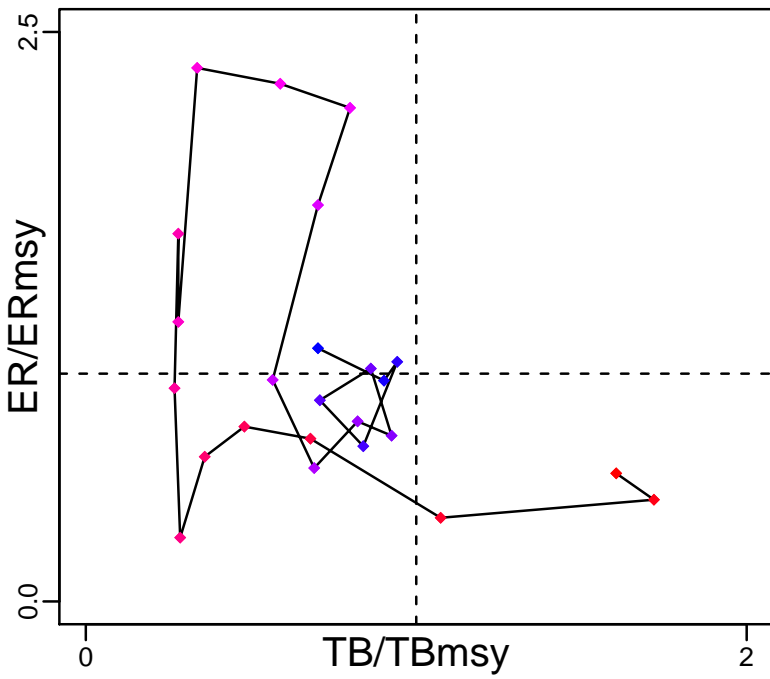
Metadata	
<b>Scientific Name</b>	Pandalus borealis
<b>Current Assess ID</b>	ASMFC-PANDALGOM-1960-2009-IDOINE
<b>Area</b>	Gulf of Maine
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Atlantic States Marine Fisheries Commission
<b>Asmts in RAM</b>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

Reference Points			
Type	ID	Asmt Year	Value
<b>TBmsy</b>	TBmsy-est-MT	2009	17,506
<b>SSBmsy</b>	-	-	-
<b>Fmsy</b>	-	-	-
<b>ERmsy</b>	ERmsy-est-ratio	2009	0.3
<b>TBmgt</b>	-	-	-
<b>SSBmgt</b>	-	-	-
<b>Fmgt</b>	-	-	-
<b>ERmgt</b>	-	-	-
<b>TB0</b>	-	-	-
<b>SSB0</b>	-	-	-
<b>MSY</b>	MSY-est-MT	2009	5292
<b>M</b>	M-1/yr	2009	0.25
<b>TBlim</b>	TBlim-MT	2009	1540
<b>SSBlim</b>	-	-	-
<b>Flim</b>	Flim-1/yr	2009	0.6
<b>ERlim</b>	-	-	-

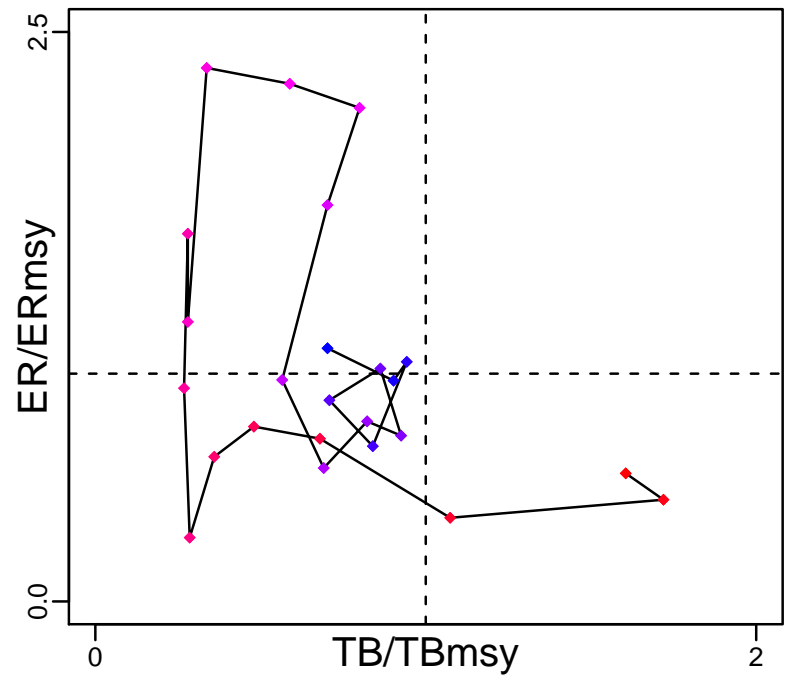
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2009	27,900	-	1.5+
<b>SSB</b>	-	-	-	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	-	-	-	-	-
<b>F</b>	F-1/yr	2009	0	Both	1.5 to 6
<b>ER</b>	ER-ratio	2009	0	-	-
<b>TC</b>	-	-	-		
<b>TL</b>	TL-MT	2009	4780		
<b>TB/TBmsy</b>	TB-MT/TBmsy-est-MT	2009	1.59		
<b>SSB/SSBmsy</b>	-	-	-		
<b>F/Fmsy</b>	-	-	-		
<b>ER/ERmsy</b>	ER-ratio/ERmsy-est-ratio	2009	0.56		
<b>TB/TBmgt</b>	-	-	-		
<b>SSB/SSBmgt</b>	-	-	-		
<b>F/Fmgt</b>	-	-	-		
<b>ER/ERmgt</b>	-	-	-		

# Northern shrimp Gulf of Maine [PANDALGOM]

Kobe MSYpref (1960–2009–IDOINE)



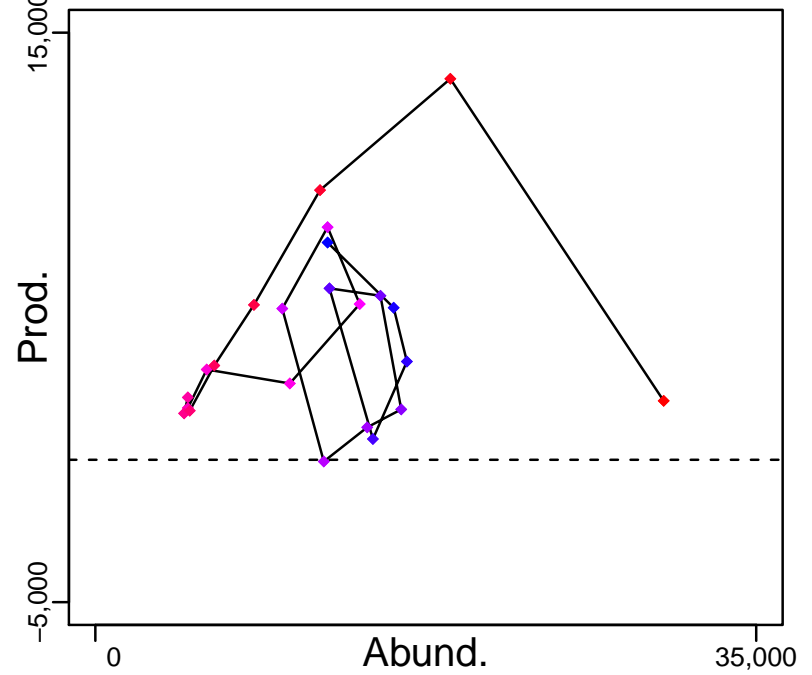
Kobe MGTpref (1960–2009–IDOINE)



Spawner Recruit\*



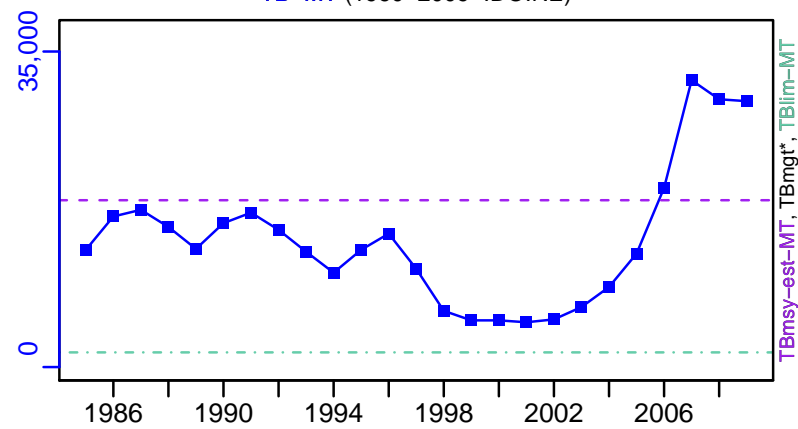
Production (1960–2009–IDOINE)



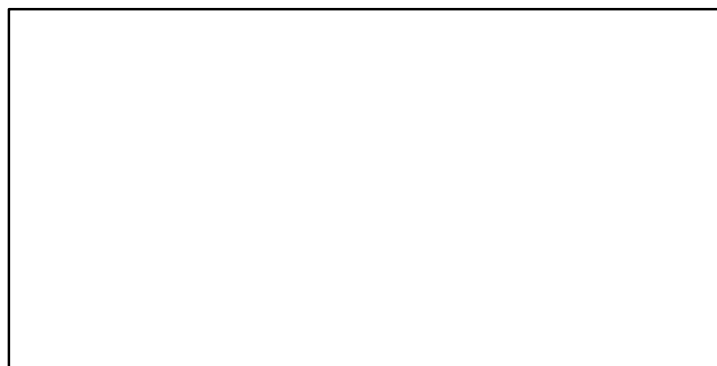
◆ Start Year ◆ End Year \* No Data

# Northern shrimp Gulf of Maine [PANDALGOM]

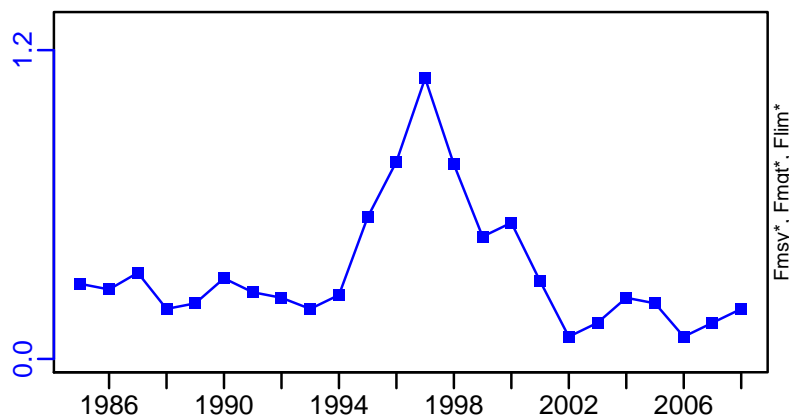
TB-MT (1960-2009-IDOINE)



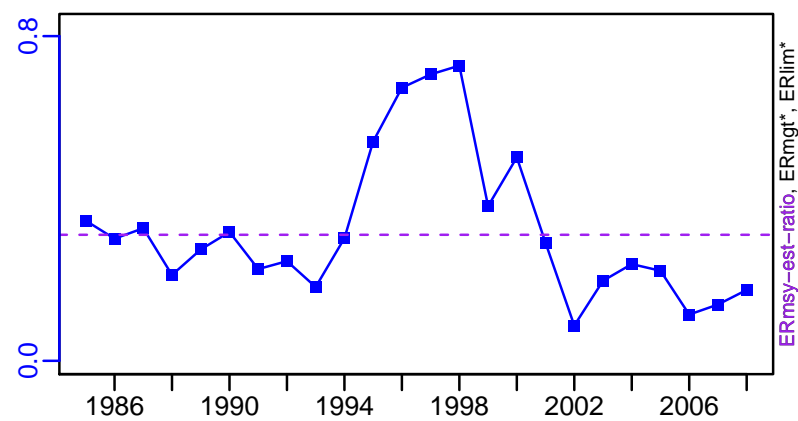
SSB\*



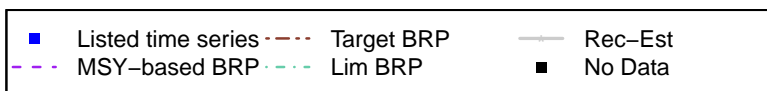
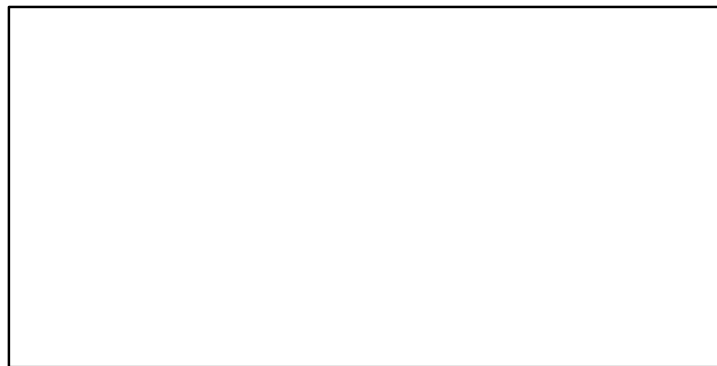
F-1/yr (1960-2009-IDOINE)



ER-ratio (1960-2009-IDOINE)



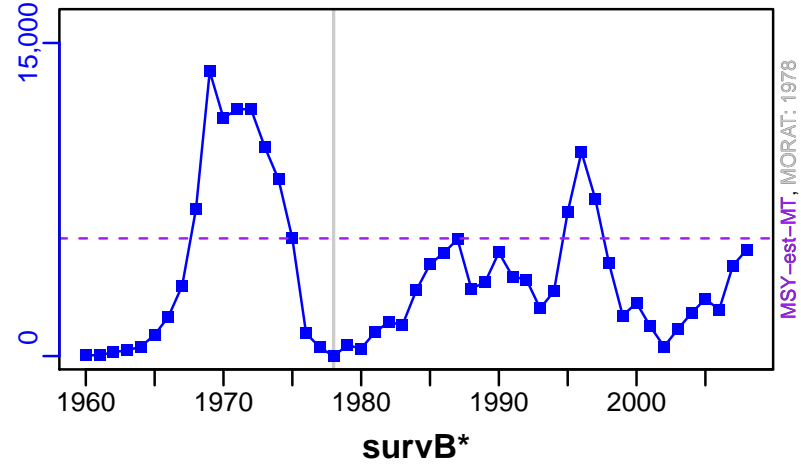
Recruits\*



# Northern shrimp Gulf of Maine [PANDALGOM]

TL-MT, TC\*, RecC\* (1960–2009–IDOINE)

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Pollock NAFO-5YZ [POLL5YZ]

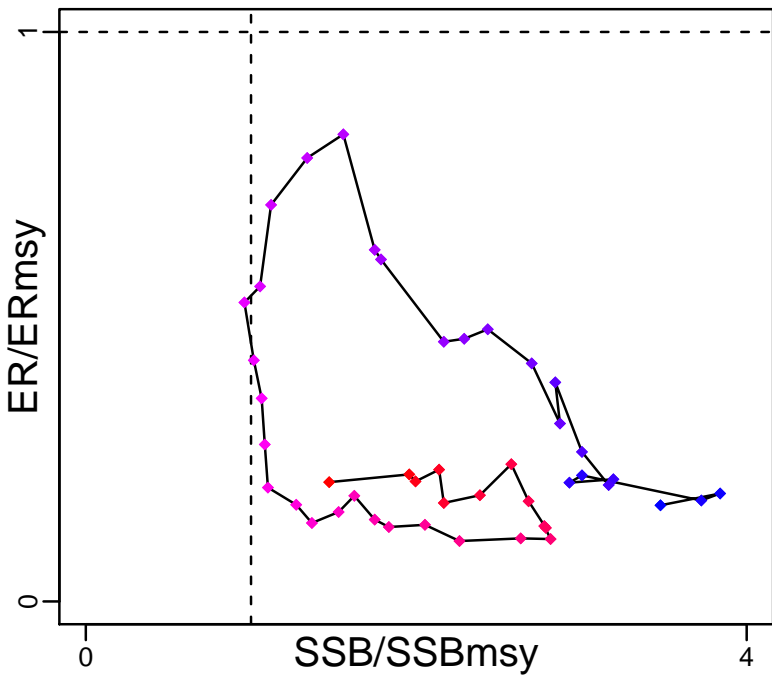
Metadata	
<b>Scientific Name</b>	Pollachius virens
<b>Current Assess ID</b>	NEFSC-POLL5YZ-1970-2014-SISIMP2016
<b>Area</b>	Gulf of Maine / Georges Bank
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in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

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

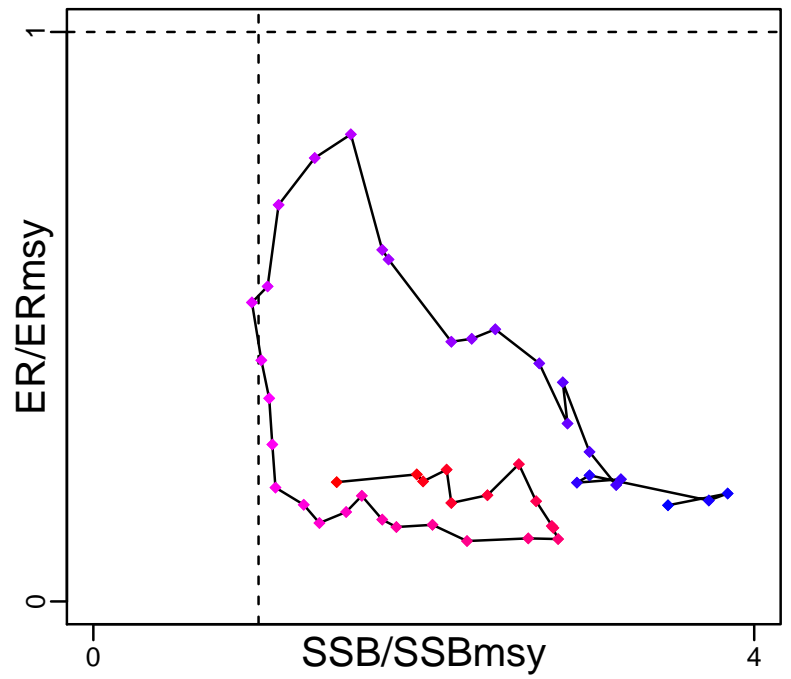
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2009	210,000	-	-
<b>SSB</b>	SSB-MT	2014	155,000	Both	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2014	$6 \times 10^7$	-	1
<b>F</b>	F-1/yr	2014	0	-	-
<b>ER</b>	ER-calc-ratio	2014	0	-	-
<b>TC</b>	TC-MT	2014	6070		
<b>TL</b>	TL-MT	2009	7950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

Pollock NAFO-5YZ [POLL5YZ]

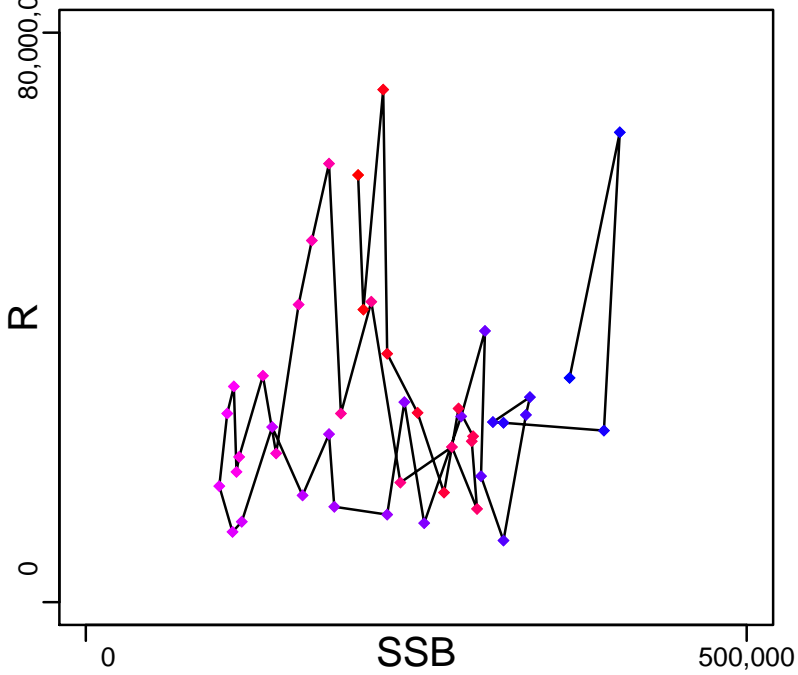
Kobe MSY<sub>pref</sub> (1970–2014–SISIMP2016)



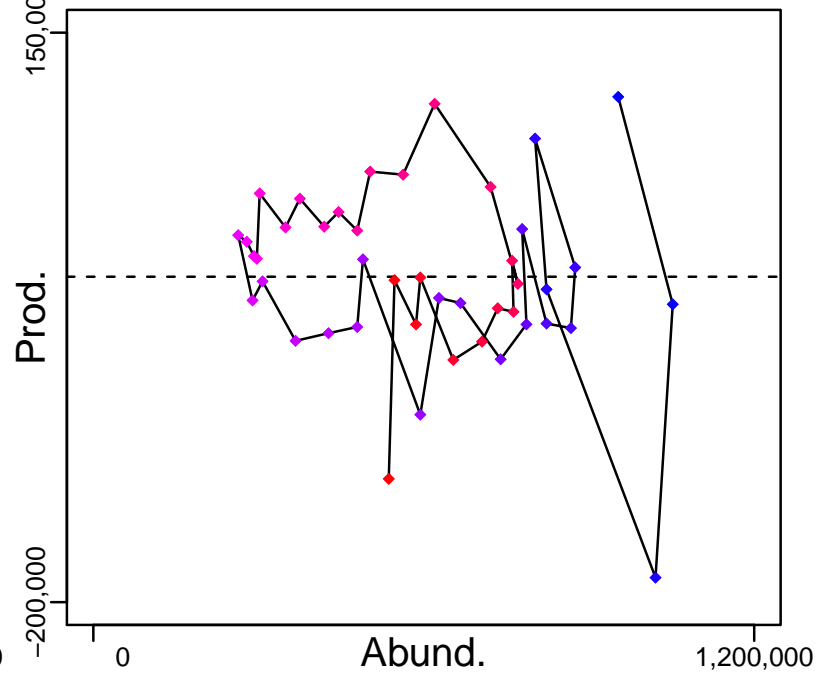
Kobe MGT<sub>pref</sub> (1970–2014–SISIMP2016)



Spawner Recruit (1970–2014–SISIMP2016)



Production (1970–2014–SISIMP2016)

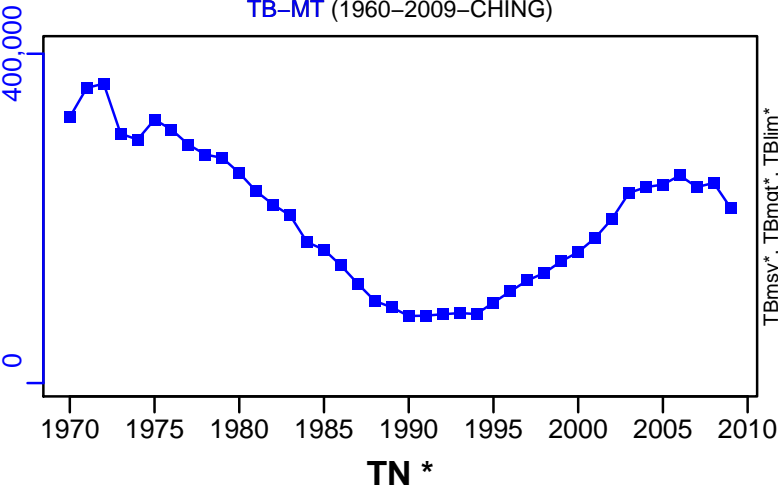


◆ Start Year ◆ End Year \* No Data

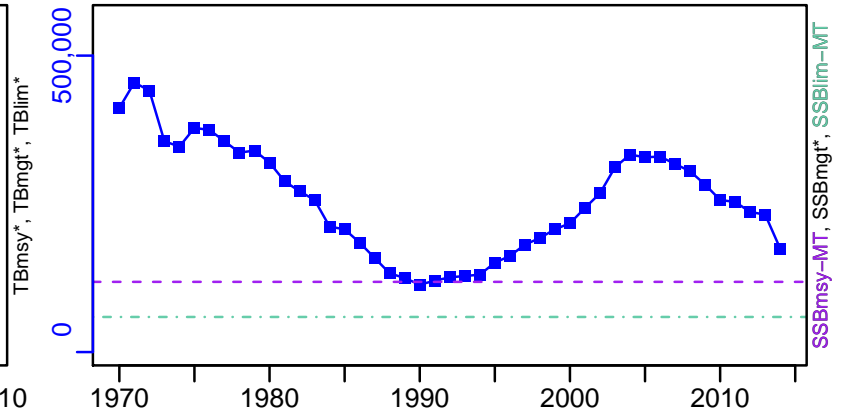


# Pollock NAFO-5YZ [POLL5YZ]

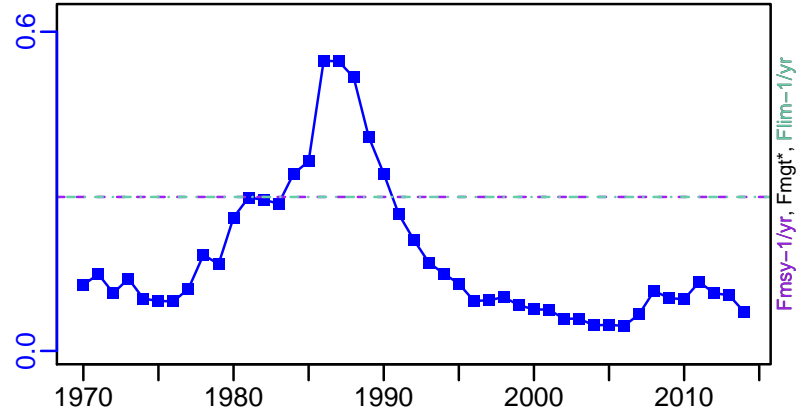
TB-MT (1960-2009-CHING)



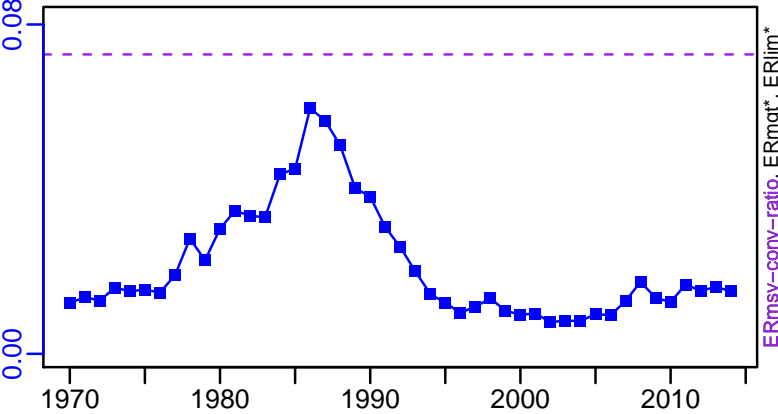
SSB-MT (1970-2014-SISIMP2016)



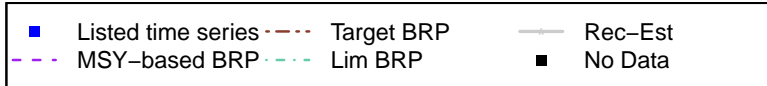
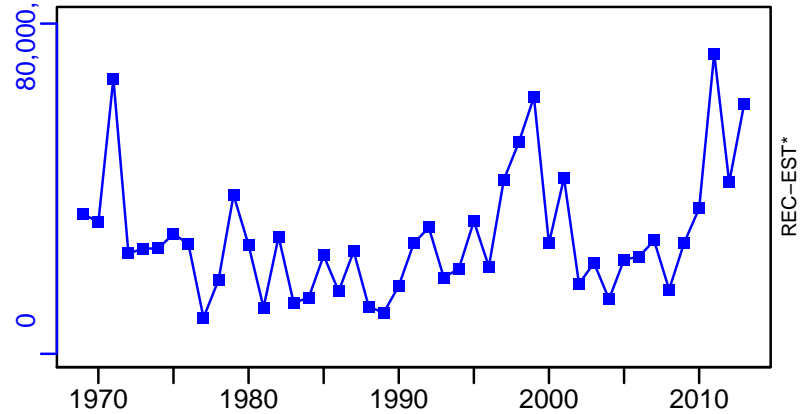
F-1/yr (1970-2014-SISIMP2016)



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

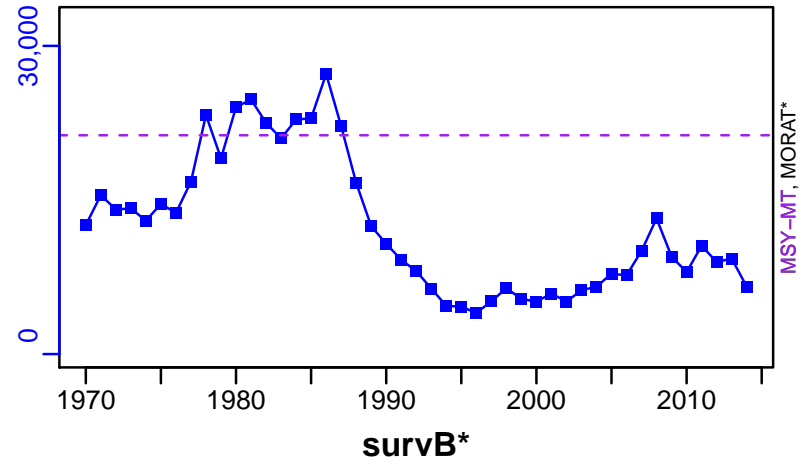


R-E00 (1970-2014-SISIMP2016)



Pollock NAFO-5YZ [POLL5YZ]

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



TAC\*, Cpair\*, Cadv\*



CPUE\*



EFFORT\*



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

## Ocean quahog Atlantic Coast [QUAHATLC]

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

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

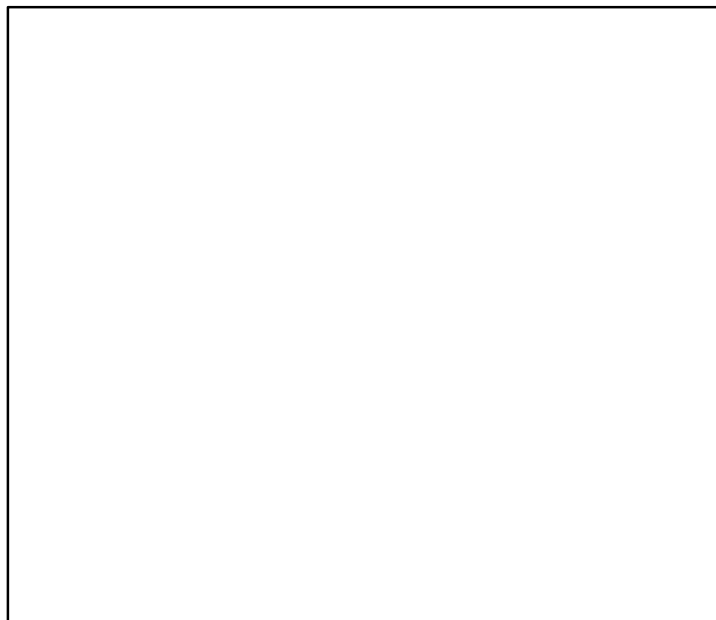
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2011	2,960,000	-	-
<b>SSB</b>	-	-	-	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	-	-	-	-	-
<b>F</b>	F-1/yr	2011	0	-	-
<b>ER</b>	ER-calc-ratio	2011	0	-	-
<b>TC</b>	TC-MT	2011	14,100		
<b>TL</b>	TL-MT	2008	15,500		
<b>TB/TBmsy</b>	TB-MT/TBmsy-MT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

Ocean quahog Atlantic Coast [QUAHATLC]

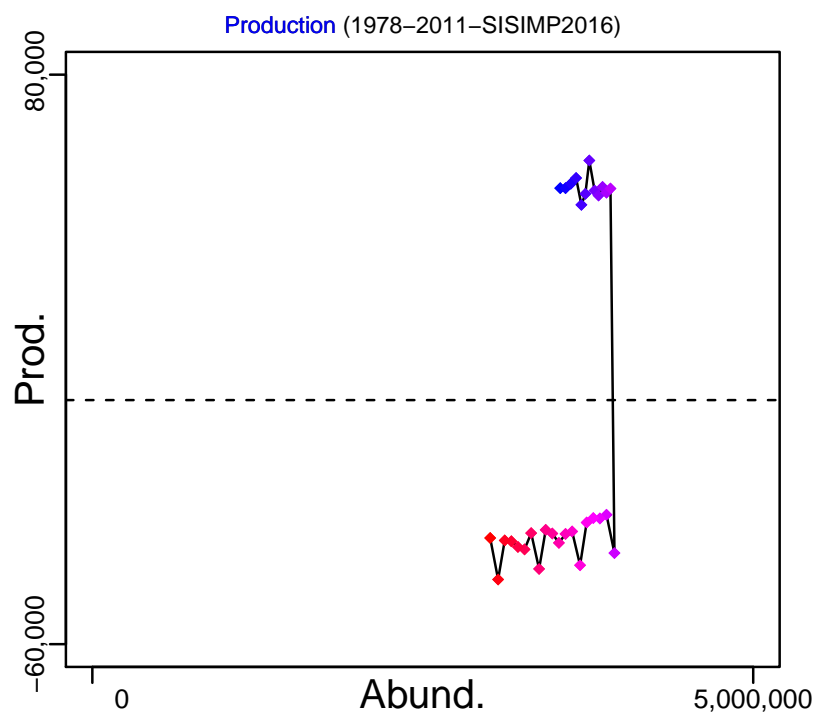
Kobe MSY\*



Kobe MGT\*



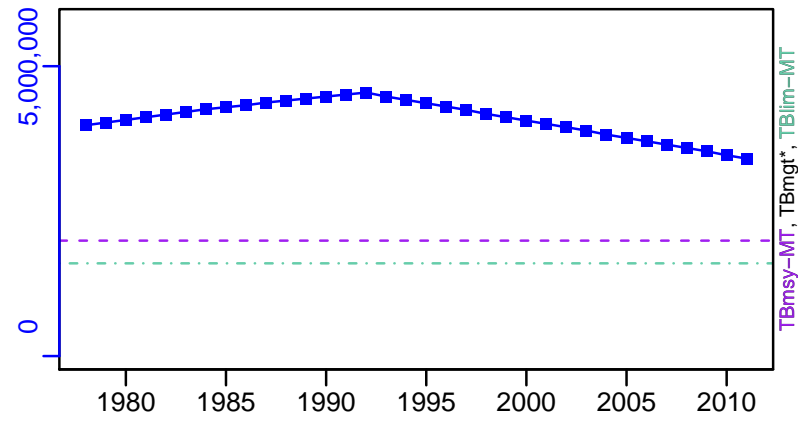
Spawner Recruit\*



◆ Start Year ◆ End Year \* No Data

# Ocean quahog Atlantic Coast [QUAHATLC]

TB-MT (1978–2011–SISIMP2016)



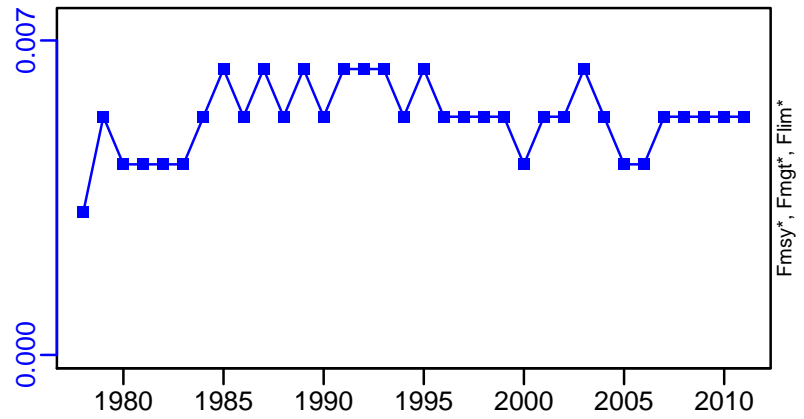
SSB\*



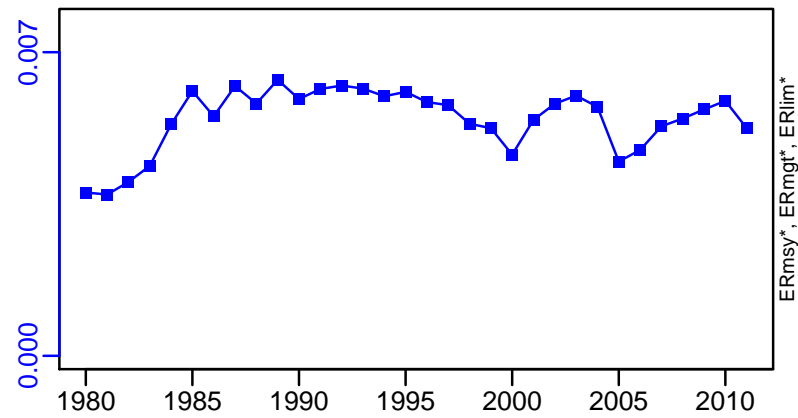
TN \*



F-1/yr (1978–2011–SISIMP2016)



ER-calc-ratio (1978–2011–SISIMP2016)



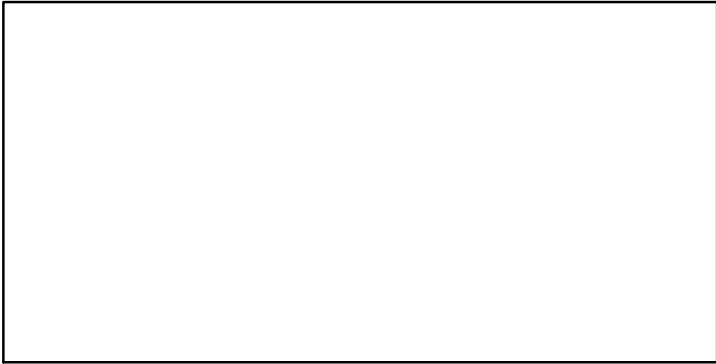
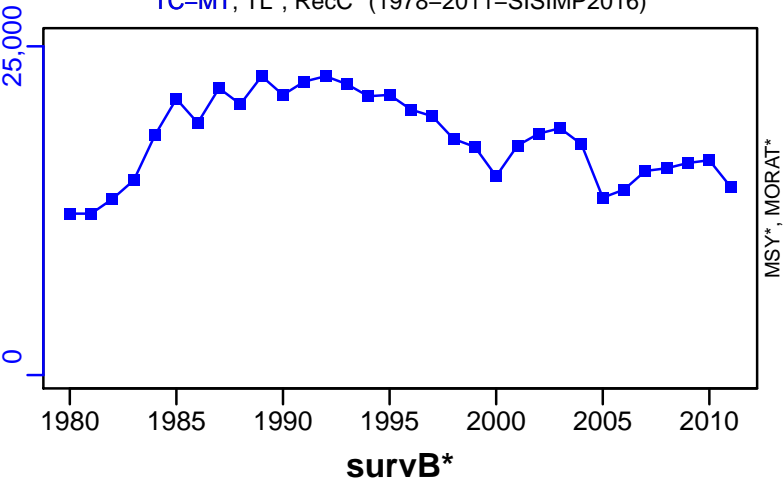
Recruits\*



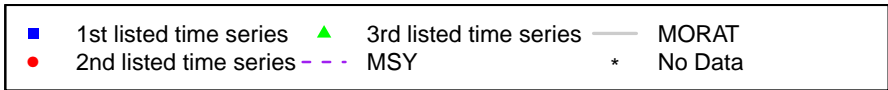
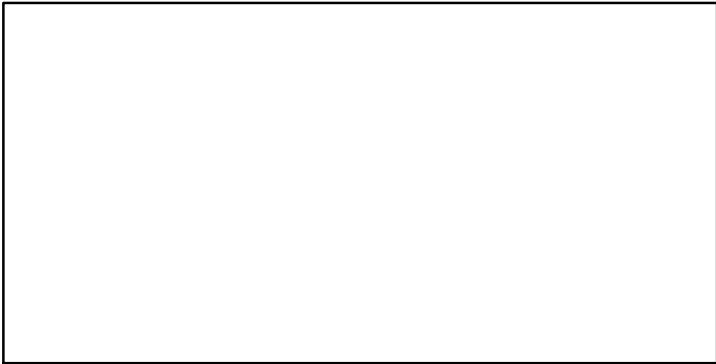
# Ocean quahog Atlantic Coast [QUAHATLC]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Red deepsea crab Northwestern Atlantic [RDEEPCRABNWATL]

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

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

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

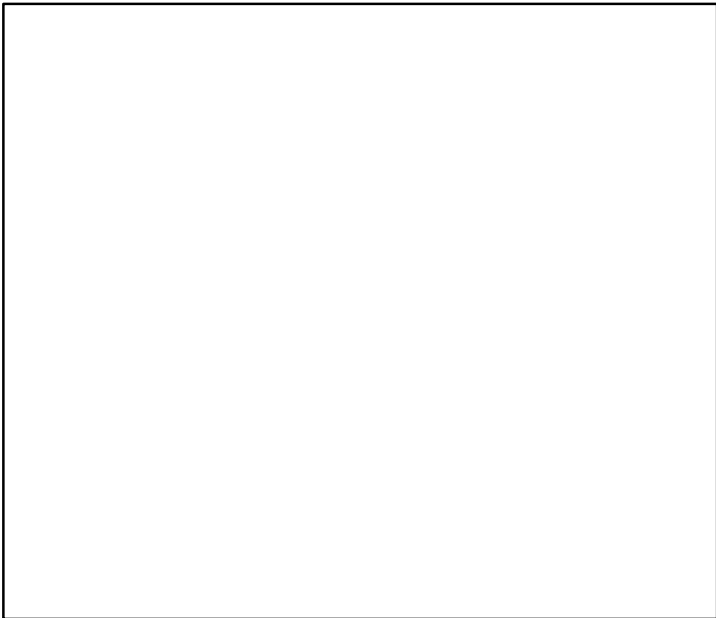
**Kobe MSY\***



**Kobe MGT\***



**Spawner Recruit\***



**Production\***



◆ Start Year ◆ End Year \* No Data

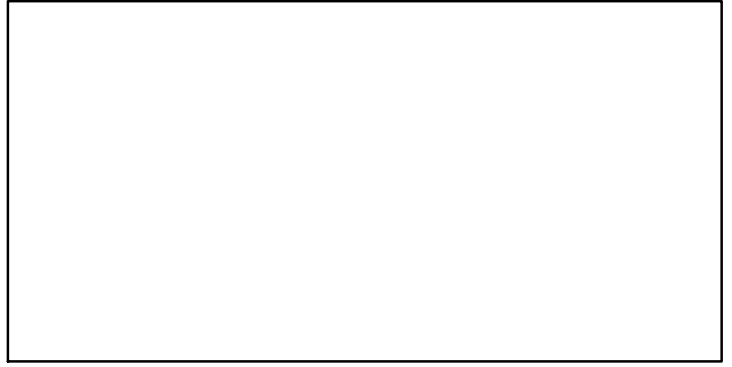


Red deepsea crab Northwestern Atlantic [RDEEPCRABNWATL]

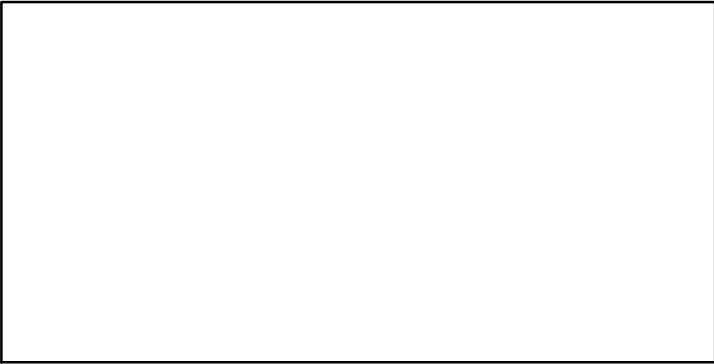
**TB\***



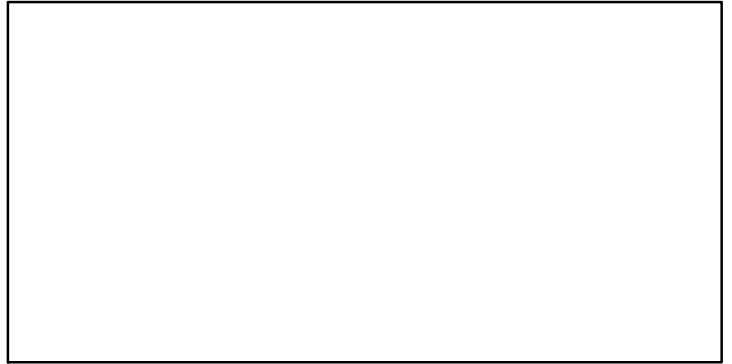
**SSB\***



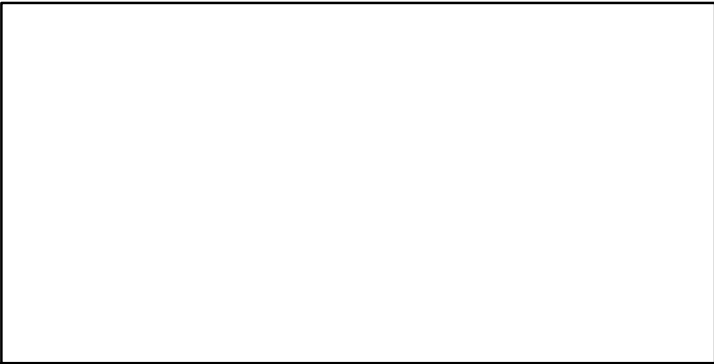
**TN \***



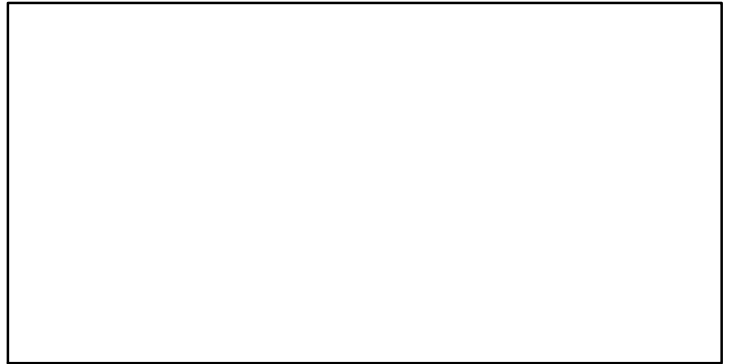
**F\***



**ER\***



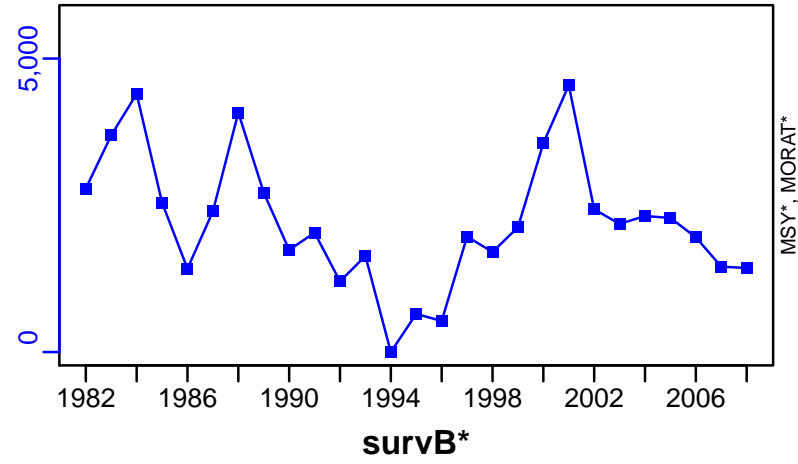
**Recruits\***



# Red deepsea crab Northwestern Atlantic [RDEEPCRABNWATL]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



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

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

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2014	266		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY\*



Kobe MGT\*



Spawner Recruit\*



Production\*



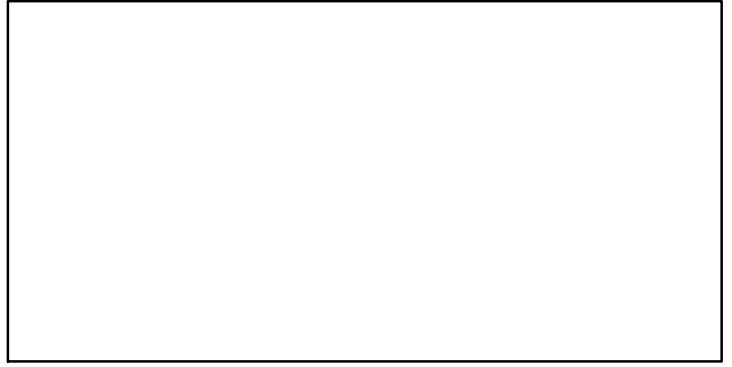
◆ Start Year   ◆ End Year   \* No Data

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

**TB\***



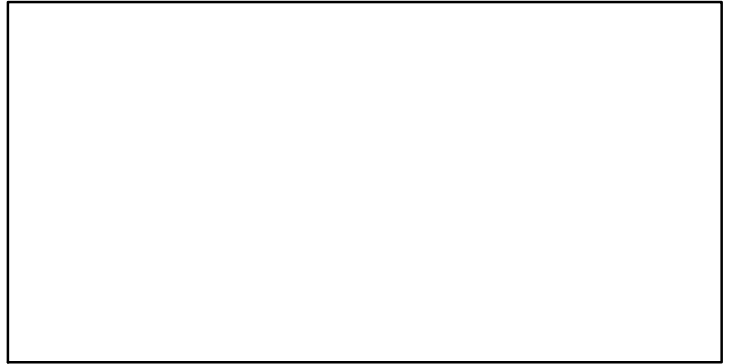
**SSB\***



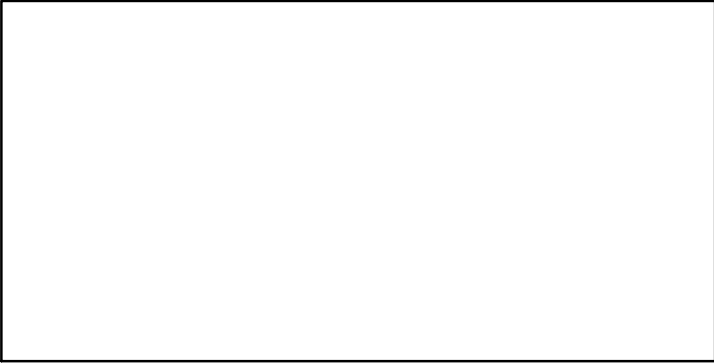
**TN \***



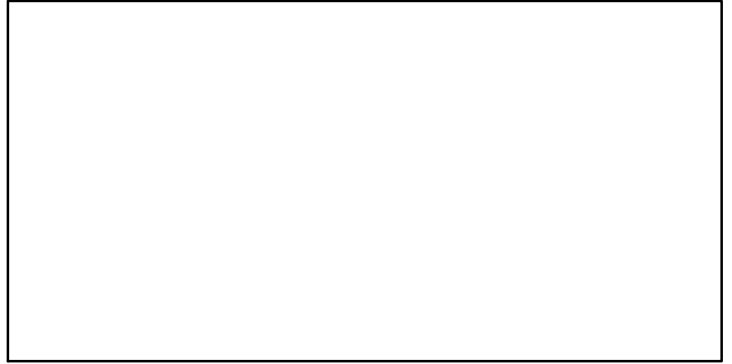
**F\***



**ER\***



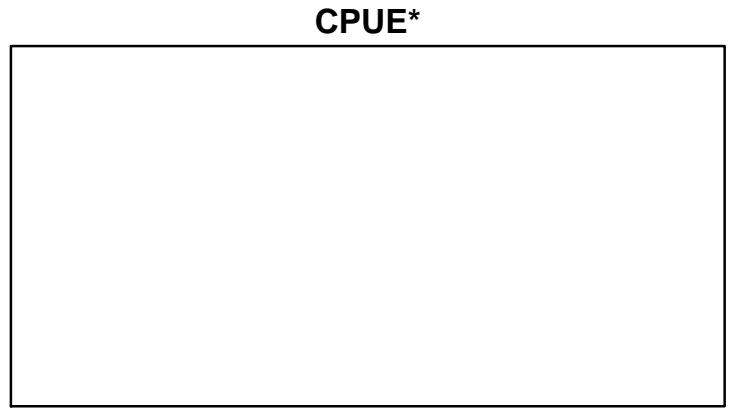
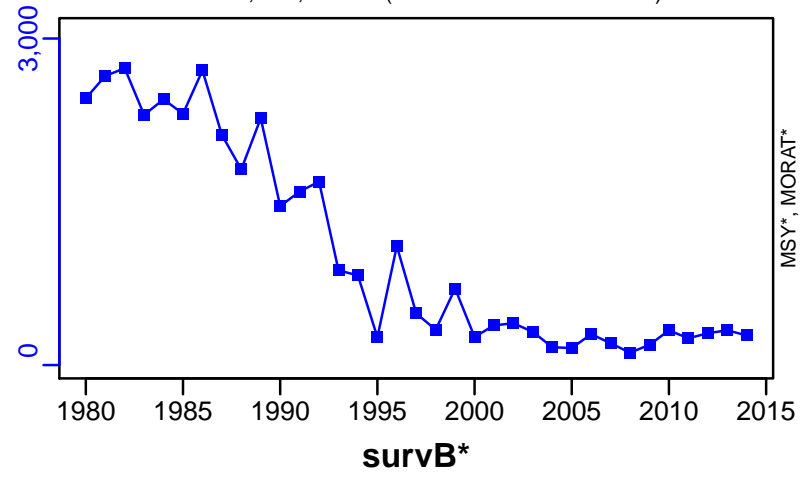
**Recruits\***



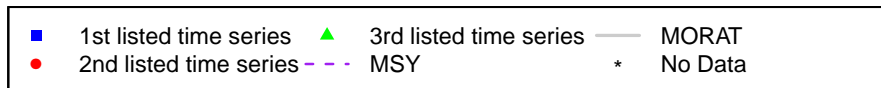
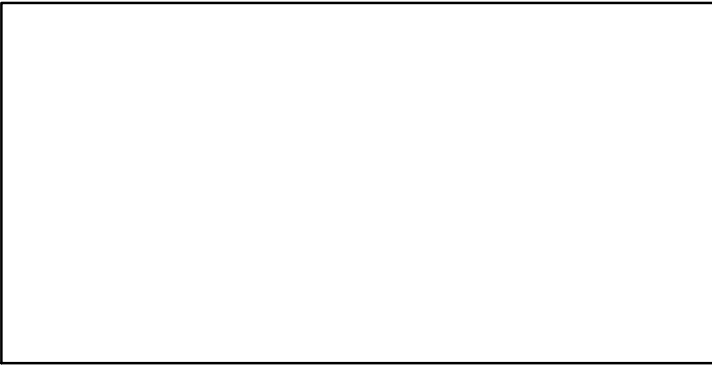
# Red hake Gulf of Maine / Northern Georges Bank [RHAKEGOMNGB]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



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

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

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2014	1200		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY\*



Kobe MGT\*



Spawner Recruit\*



Production\*



◆ Start Year    ◆ End Year    \* No Data



TB\*



SSB\*



TN \*



F\*



ER\*



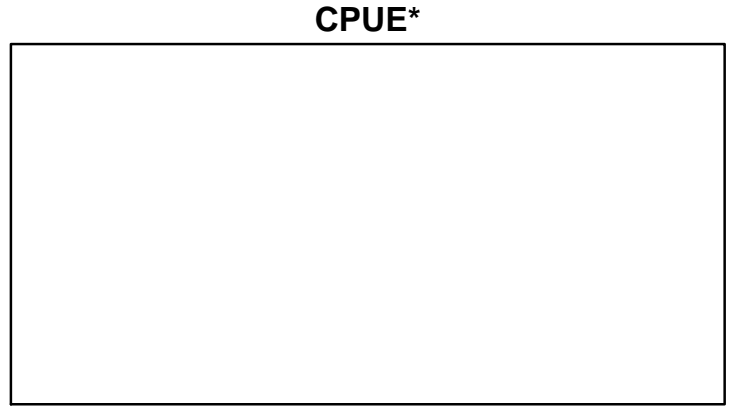
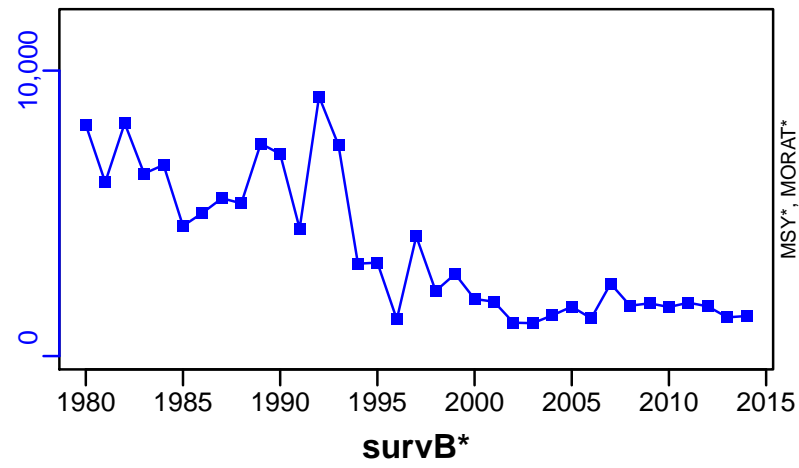
Recruits\*



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

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Rosette skate Mid-Atlantic Coast [RSKATMATLC]

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

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

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

Kobe MSY\*



Kobe MGT\*



Spawner Recruit\*



Production\*



◆ Start Year   ◆ End Year   \* No Data

Rosette skate Mid-Atlantic Coast [RSKATMATLC]

TB\*



SSB\*



TN \*



F\*



ER\*



Recruits\*

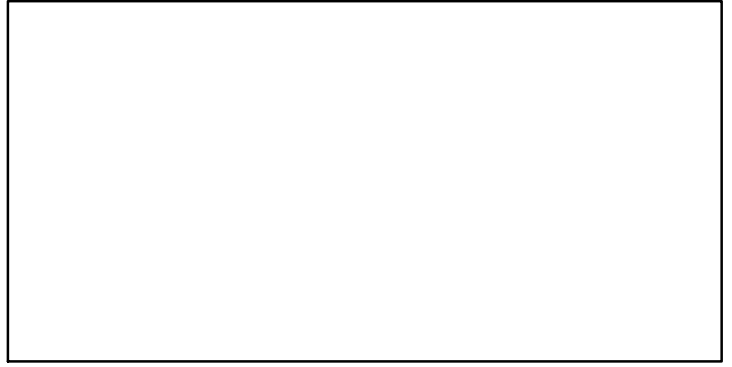


Rosette skate Mid-Atlantic Coast [RSKATMATLC]

TC\*, TL\*, RecC\*



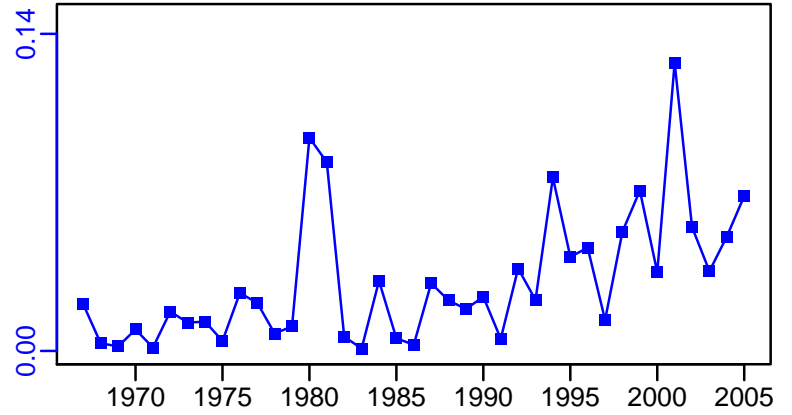
TAC\*, Cpair\*, Cadv\*



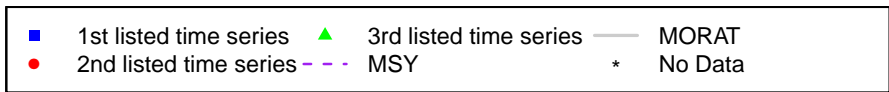
survB\*



CPUE-kgpertow (1967–2005–SOSEBEE)



EFFORT\*



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

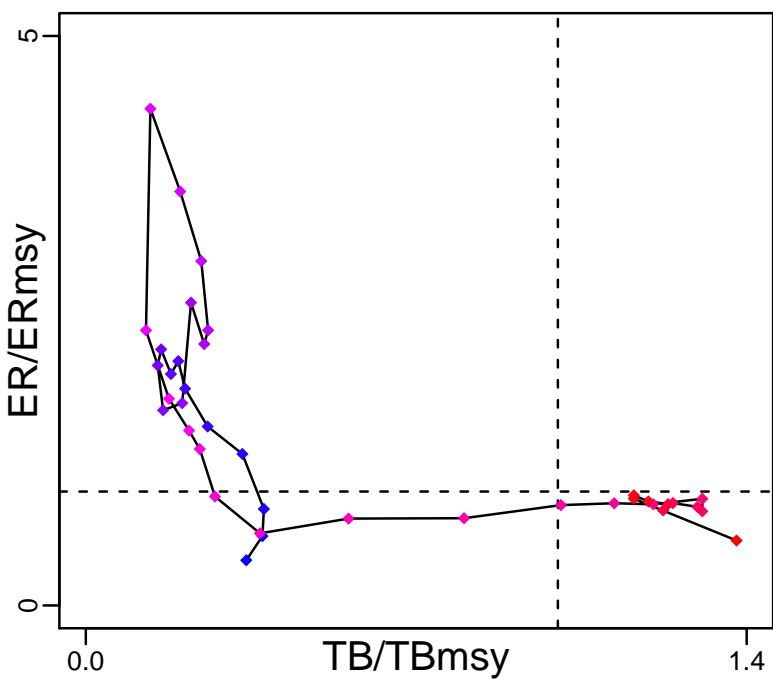
Metadata	
<b>Scientific Name</b>	Placopecten magellanicus
<b>Current Assess ID</b>	NEFSC-SCALL5ZMAB-1964-2013-HIVELY
<b>Area</b>	Georges Bank and Mid-Atlantic Bight
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center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

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

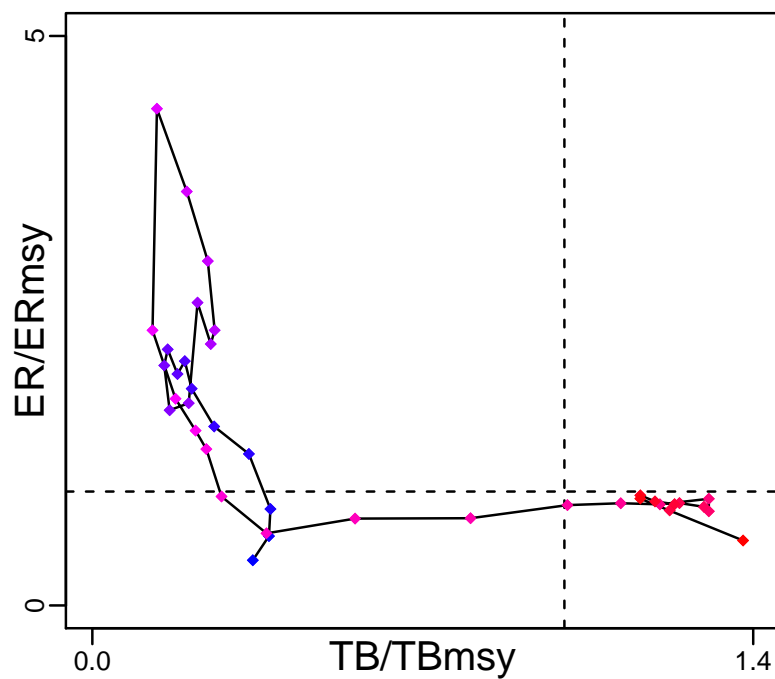
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2013	133,000	-	-
<b>SSB</b>	-	-	-	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	-	-	-	-	-
<b>F</b>	F-1/yr	2013	0	-	-
<b>ER</b>	ER-calc-ratio	2013	0	-	-
<b>TC</b>	-	-	-		
<b>TL</b>	TL-MT	2013	18,700		
<b>TB/TBmsy</b>	TB-MT/TBmsy-MT	2013	1.38		
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

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

Kobe MSYpref (1964–2013–HIVELY)



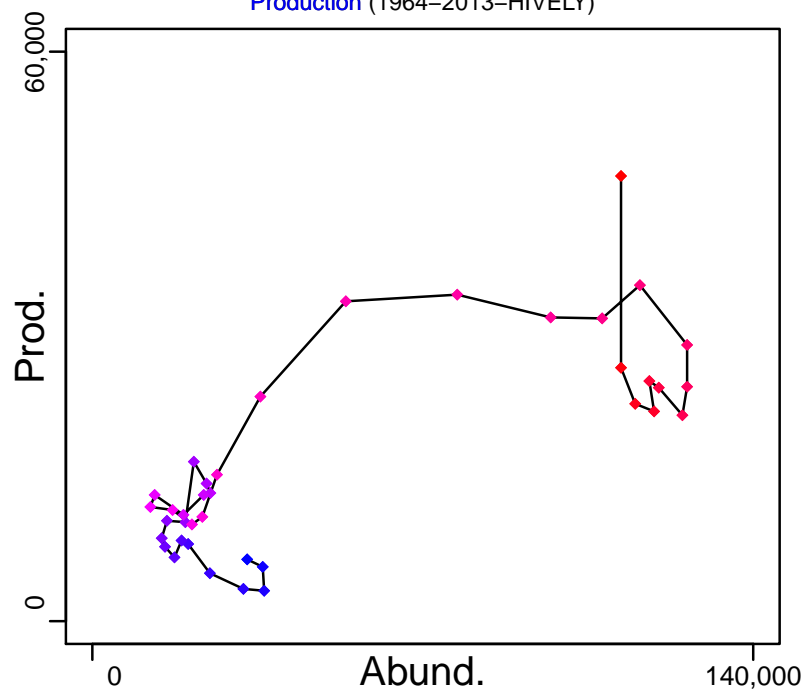
Kobe MGTpref (1964–2013–HIVELY)



Spawner Recruit\*



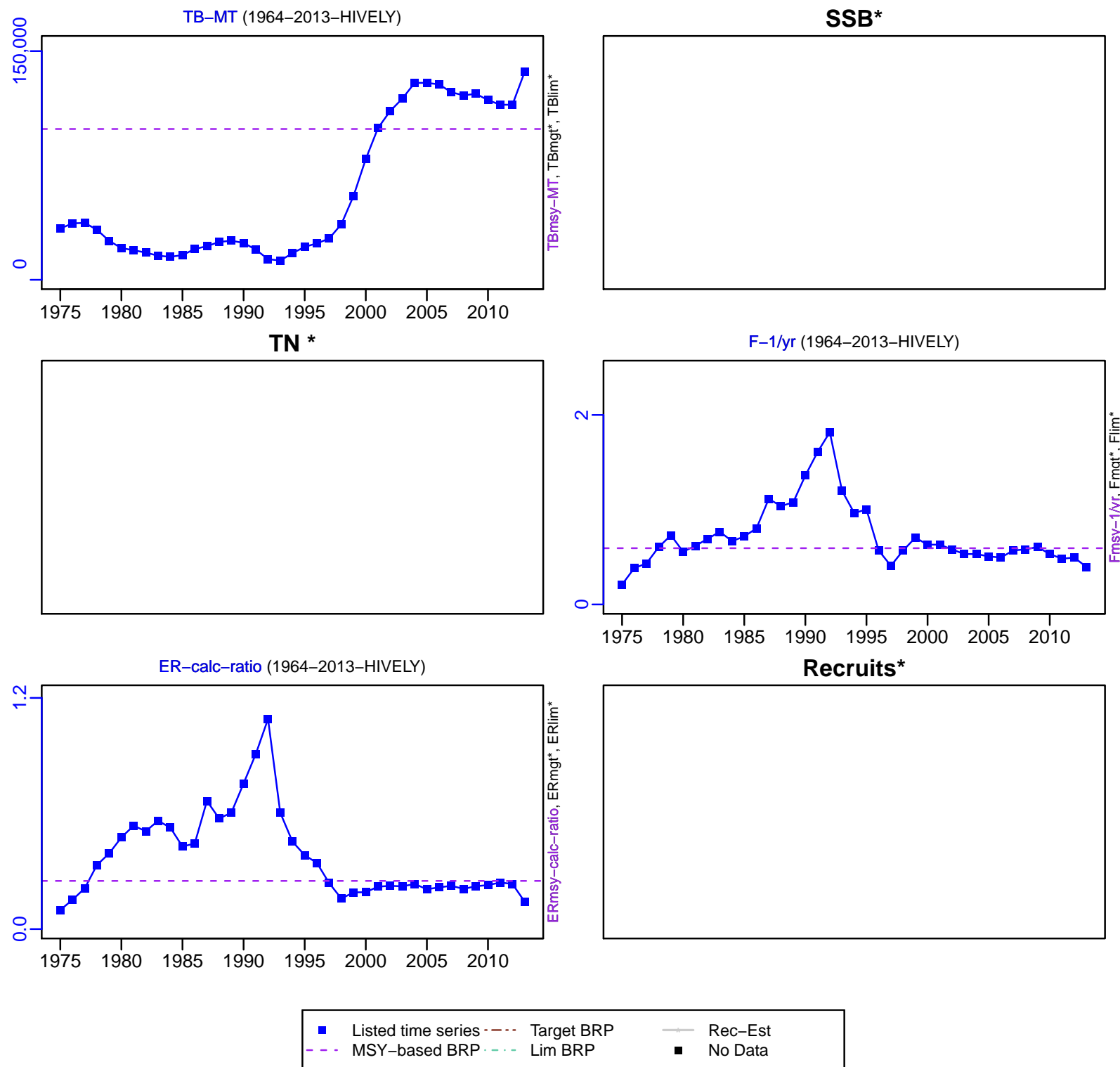
Production (1964–2013–HIVELY)



◆ Start Year ◆ End Year \* No Data



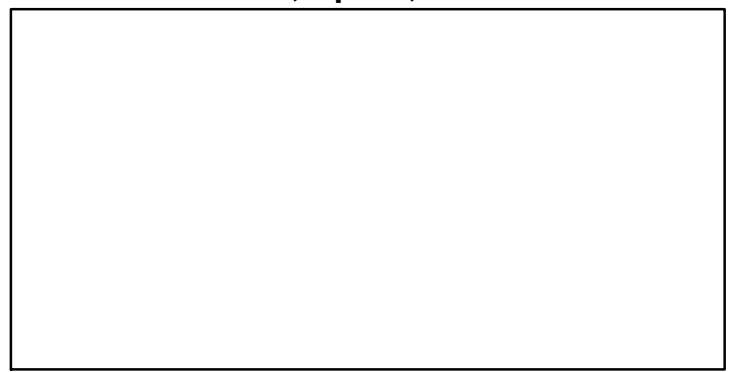
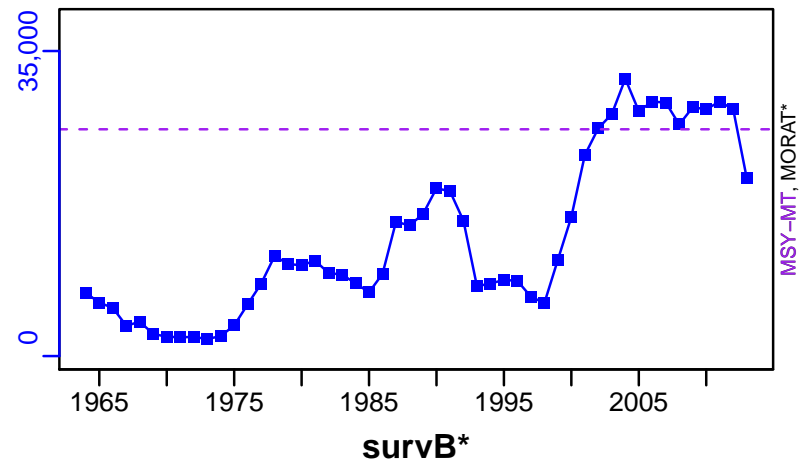
# Sea scallop Georges Bank and Mid-Atlantic Bight [SCALL5ZMAB]



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

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*

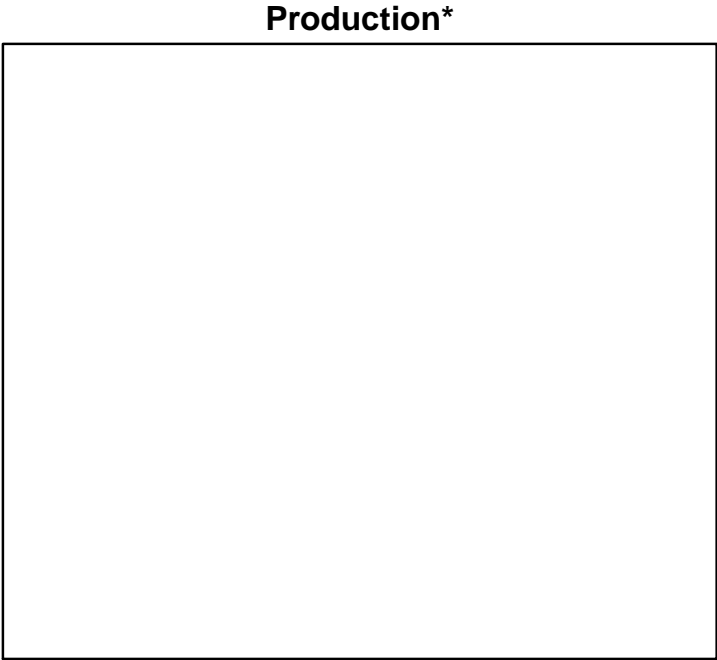


## Scalloped hammerhead Atlantic [SCHHEADATL]

Metadata	
<b>Scientific Name</b>	Sphyrna lewini
<b>Current Assess ID</b>	SEFSC-SCHHEADATL-1981-2005-SISIMP2016
<b>Area</b>	Atlantic
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Southeast Fisheries Science Center
<b>Asmts in RAM</b>	2005

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-E00	2005	7100
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

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



◆ Start Year   ◆ End Year   \* No Data

Scalloped hammerhead Atlantic [SCHHEADATL]

TB\*



SSB\*



TN \*



F\*



ER\*

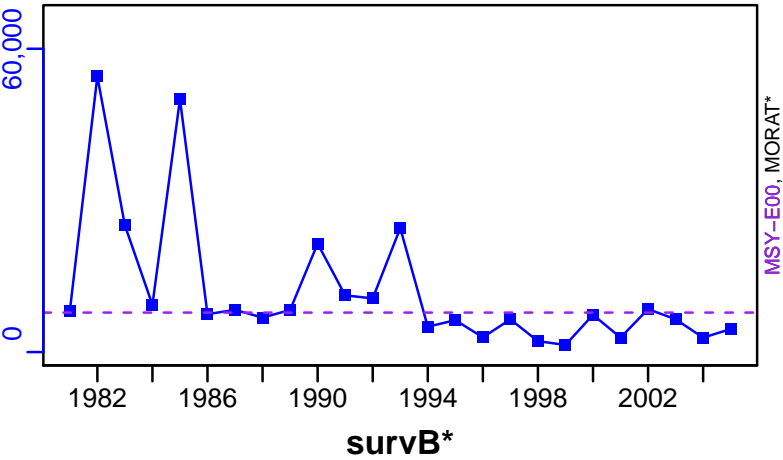


Recruits\*



Scalloped hammerhead Atlantic [SCHHEADATL]

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



TAC\*, Cpair\*, Cadv\*



CPUE\*



EFFORT\*



## Scup Atlantic Coast [SCUPNWATLC]

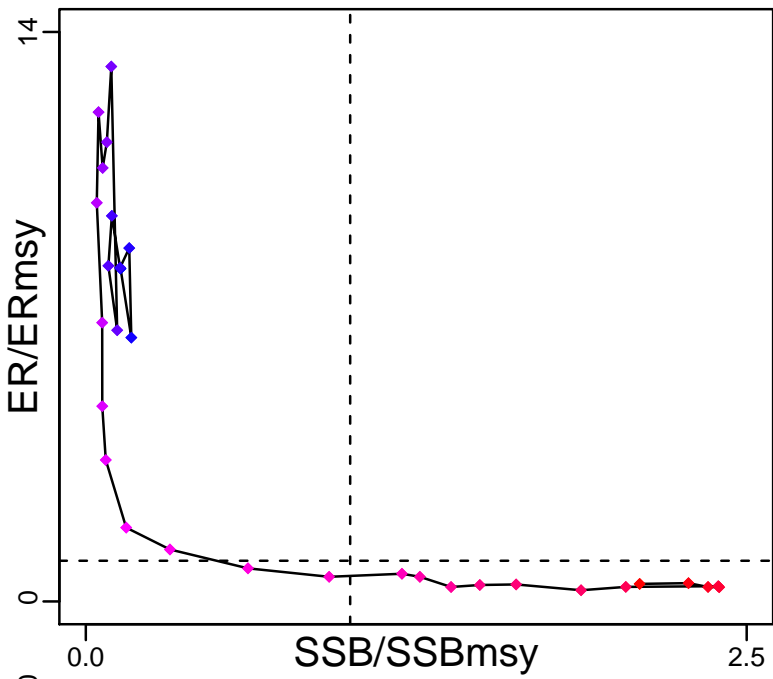
Metadata	
<b>Scientific Name</b>	Stenotomus chrysops
<b>Current Assess ID</b>	NEFSC-SCUPNWATLC-1984-2014-SISIMP2016
<b>Area</b>	Northwestern Atlantic Coast
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts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

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

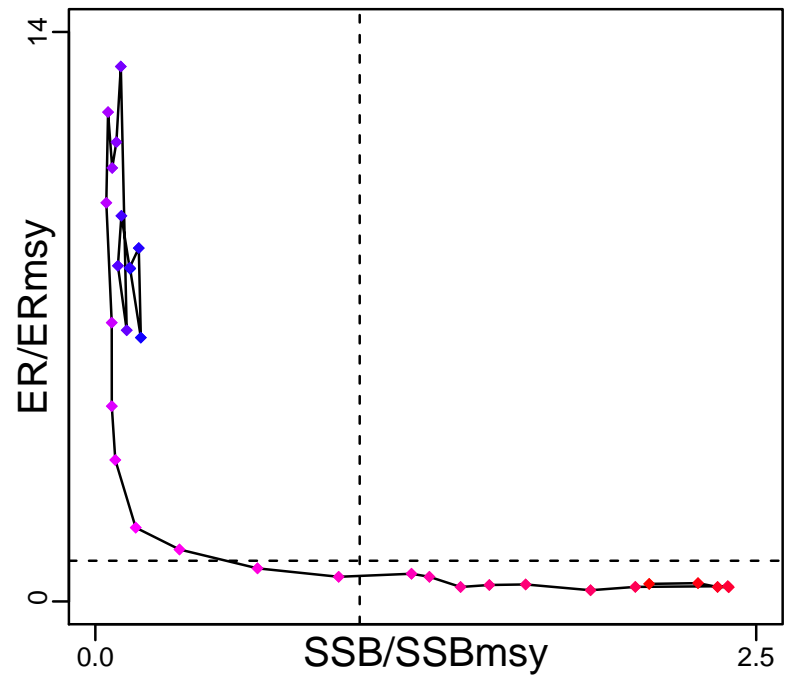
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	-	-	-	-	-
<b>SSB</b>	SSB-MT	2014	183,000	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2014	$1.12 \times 10^8$	-	0
<b>F</b>	F-1/yr	2014	0	-	3
<b>ER</b>	ER-calc-ratio	2014	0	-	-
<b>TC</b>	TC-MT	2014	10,600		
<b>TL</b>	TL-MT	2007	4200		
<b>TB/TBmsy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

# Scup Atlantic Coast [SCUPNWATLC]

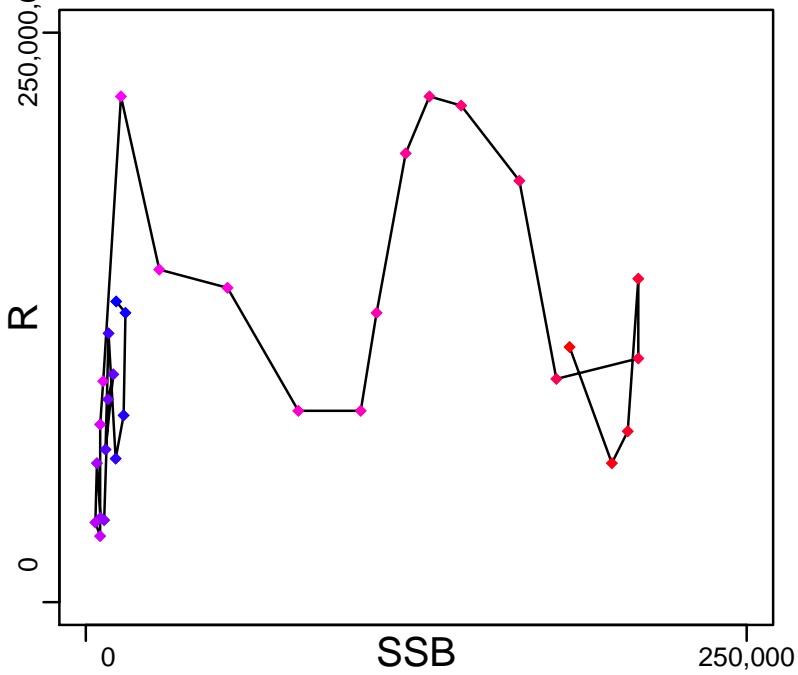
Kobe MSY<sub>pref</sub> (1984–2014–SISIMP2016)



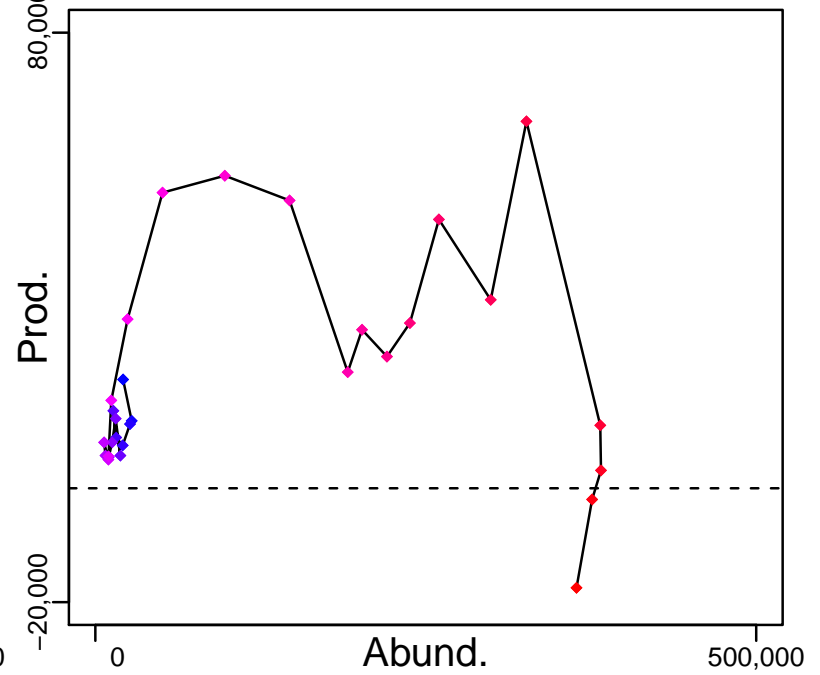
Kobe MGT<sub>pref</sub> (1984–2014–SISIMP2016)



Spawner Recruit (1984–2014–SISIMP2016)



Production (1984–2014–SISIMP2016)



◆ Start Year ◆ End Year \* No Data

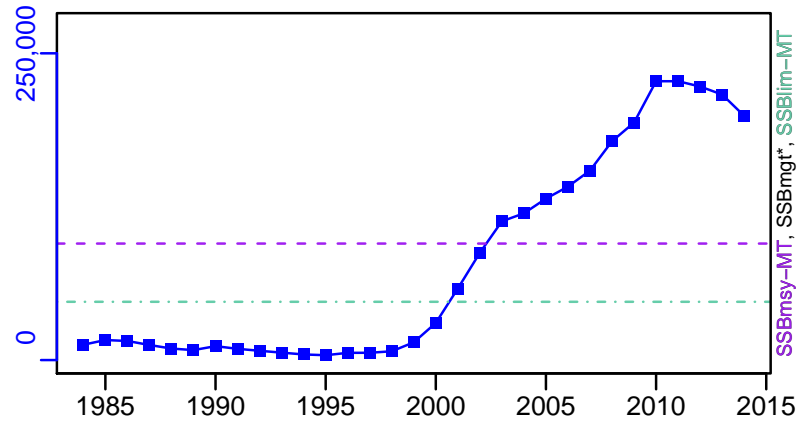


# Scup Atlantic Coast [SCUPNWATLC]

TB\*



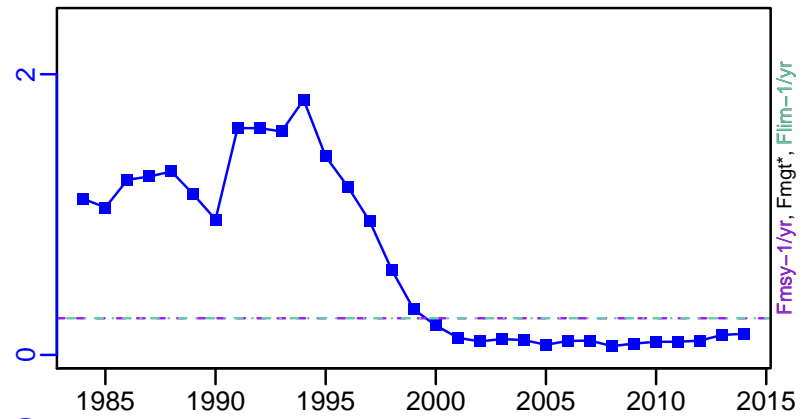
SSB-MT (1984–2014–SISIMP2016)



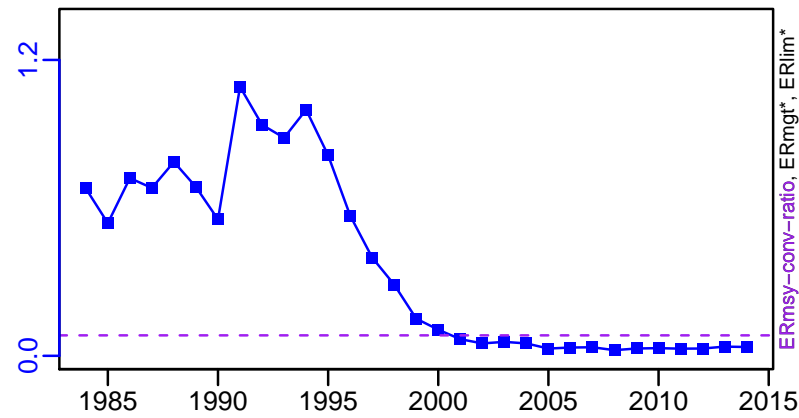
TN \*



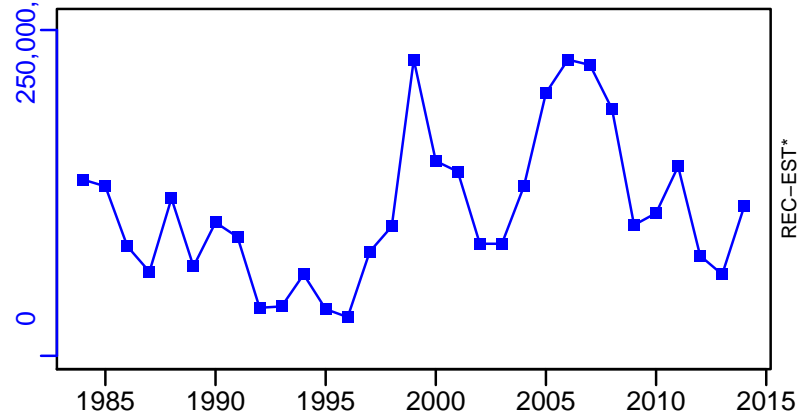
F-1/yr (1984–2014–SISIMP2016)



ER-calc-ratio (1984–2014–SISIMP2016)



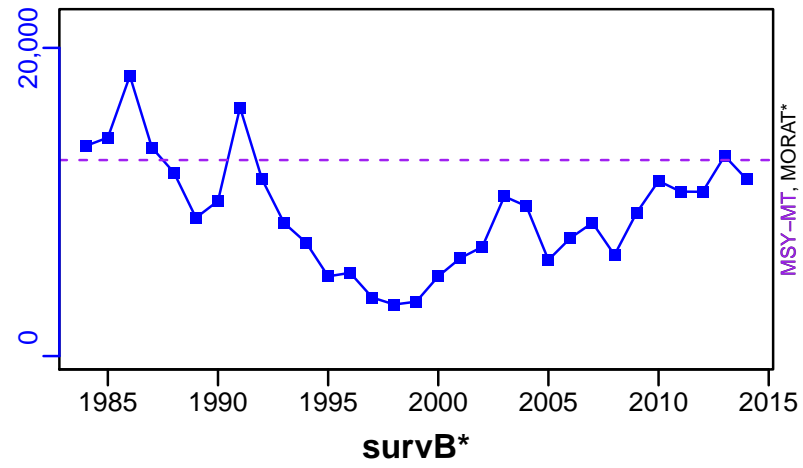
R-E00 (1984–2014–SISIMP2016)



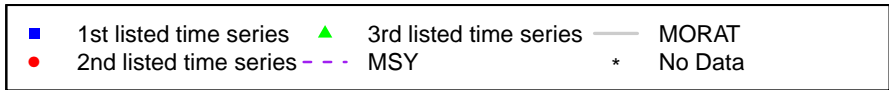
Scup Atlantic Coast [SCUPNWATLC]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Spiny dogfish Atlantic Coast [SDOGATLC]

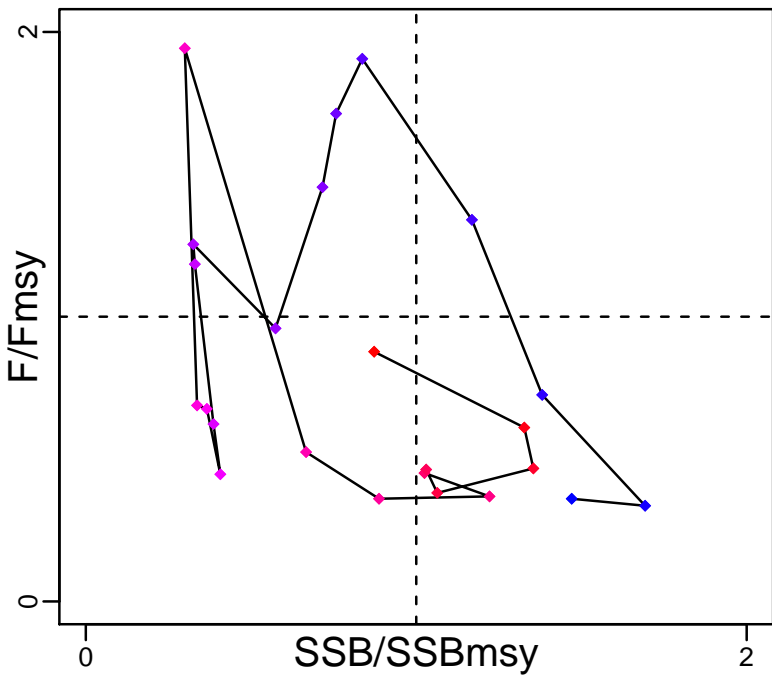
Metadata	
<b>Scientific Name</b>	Squalus acanthias
<b>Current Assess ID</b>	NEFSC-SDOGATLC-1991-2015-SISIMP2016
<b>Area</b>	Atlantic Coast
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in RAM</b>	2006,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

Reference Points			
Type	ID	Asmt Year	Value
<b>TBmsy</b>	TBmsy-est-MT	2006	265,899
<b>SSBmsy</b>	SSBmsy-MT	2015	159,288
<b>Fmsy</b>	Fmsy-1/yr	2015	0.24
<b>ERmsy</b>	ERmsy-est-ratio	2006	0.12
<b>TBmgt</b>	-	-	-
<b>SSBmgt</b>	-	-	-
<b>Fmgt</b>	-	-	-
<b>ERmgt</b>	-	-	-
<b>TB0</b>	-	-	-
<b>SSB0</b>	-	-	-
<b>MSY</b>	MSY-est-MT	2006	32,225
<b>M</b>	-	-	-
<b>TBlim</b>	-	-	-
<b>SSBlim</b>	SSBlim-MT	2015	79,644
<b>Flim</b>	Flim-1/yr	2015	0.24
<b>ERlim</b>	-	-	-

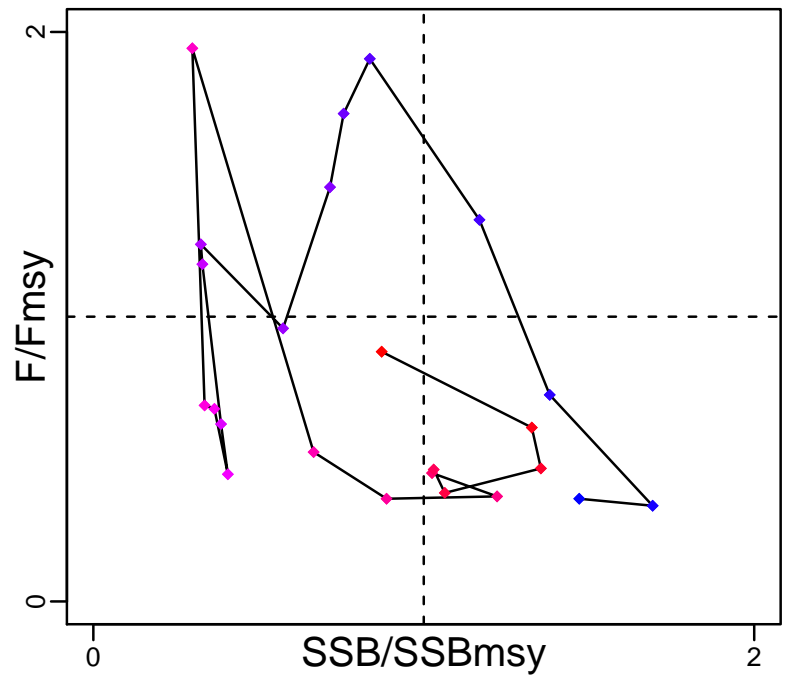
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2006	454,000	-	-
<b>SSB</b>	SSB-MT	2015	139,000	Females	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-MT	2006	280	-	-
<b>F</b>	F-1/yr	2015	0	-	-
<b>ER</b>	ER-calc-ratio	2015	0	-	-
<b>TC</b>	TC-MT	2015	16,500		
<b>TL</b>	TL-MT	2006	3020		
<b>TB/TBmsy</b>	TB-MT/TBmsy-est-MT	2006	1.71		
<b>SSB/SSBmsy</b>	SSB-MT/SSBmsy-MT	2015	0.87		
<b>F/Fmsy</b>	F-1/yr/Fmsy-1/yr	2015	0.88		
<b>ER/ERmsy</b>	ER-ratio/ERmsy-est-ratio	2006	0.14		
<b>TB/TBmgt</b>	-	-	-		
<b>SSB/SSBmgt</b>	-	-	-		
<b>F/Fmgt</b>	-	-	-		
<b>ER/ERmgt</b>	-	-	-		

# Spiny dogfish Atlantic Coast [SDOGATLC]

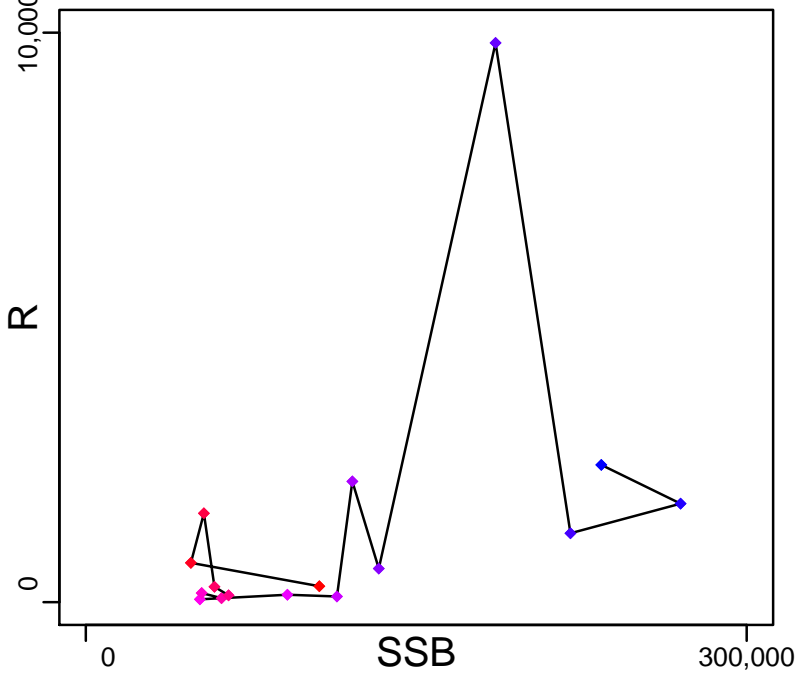
Kobe MSYpref (1991–2015–SISIMP2016)



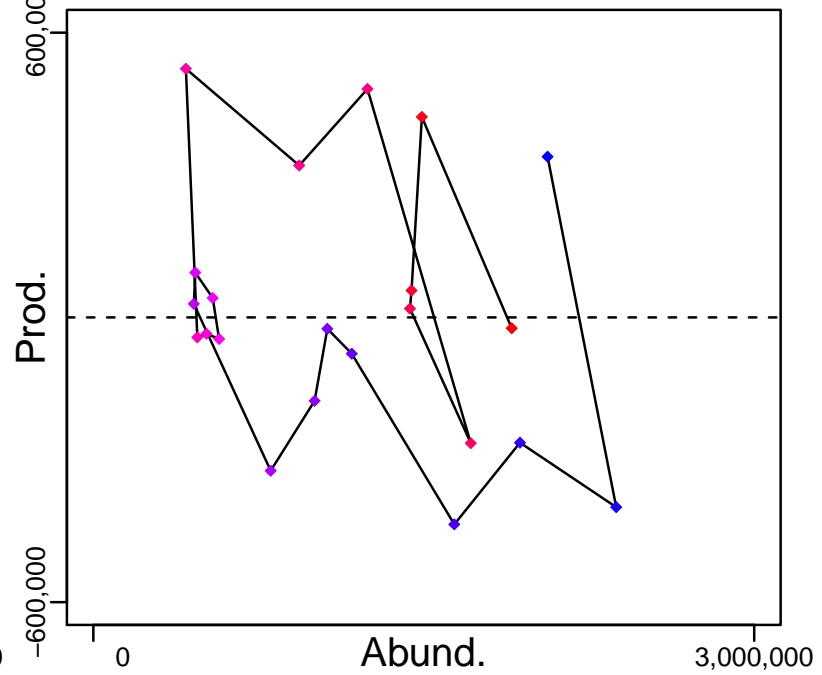
Kobe MGTpref (1991–2015–SISIMP2016)



Spawner Recruit (1962–2006–SOSEBEE)



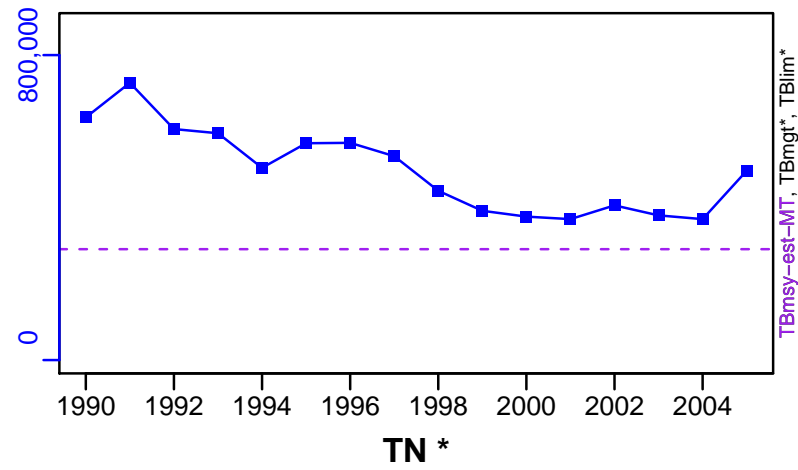
Production (1991–2015–SISIMP2016)



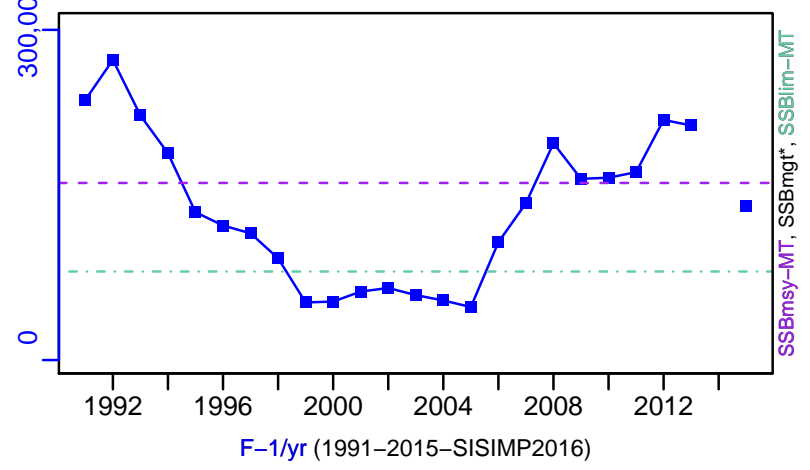
◆ Start Year ◆ End Year \* No Data

# Spiny dogfish Atlantic Coast [SDOGATLC]

TB-MT (1962–2006–SOSEBEE)



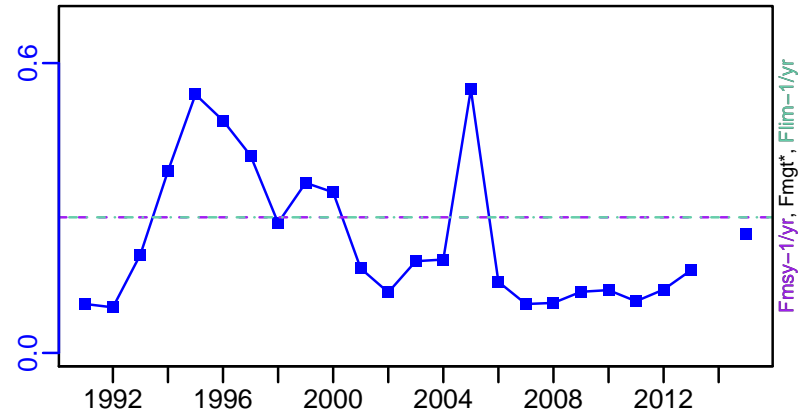
SSB-MT (1991–2015–SISIMP2016)



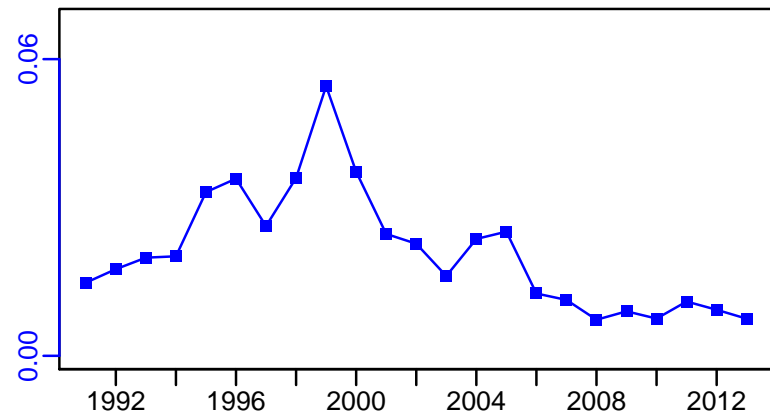
TN \*



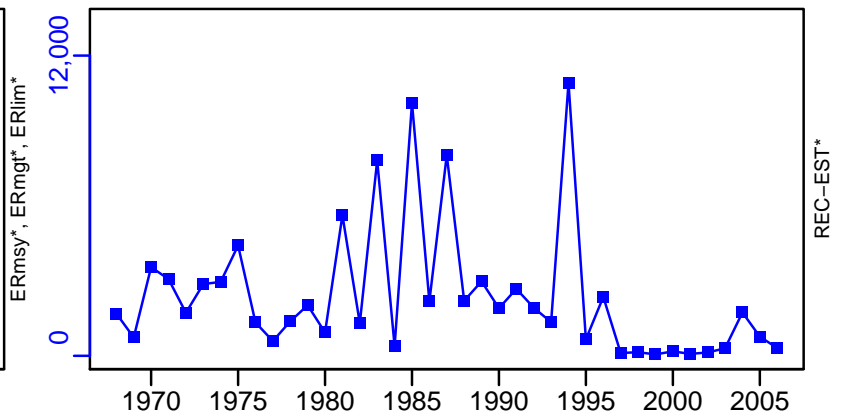
F-1/yr (1991–2015–SISIMP2016)



ER-calc-ratio (1991–2015–SISIMP2016)



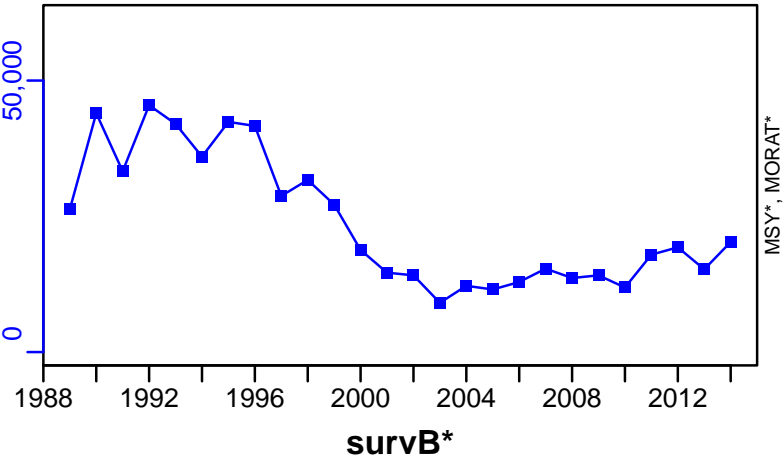
R-MT (1962–2006–SOSEBEE)



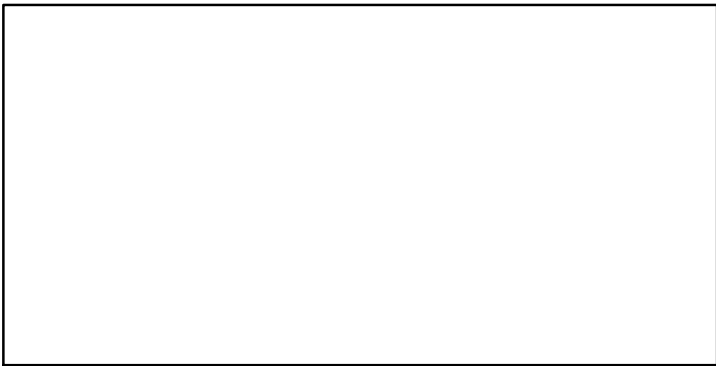
# Spiny dogfish Atlantic Coast [SDOGATLC]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Summer flounder Mid-Atlantic Coast [SFLOUNMATLC]

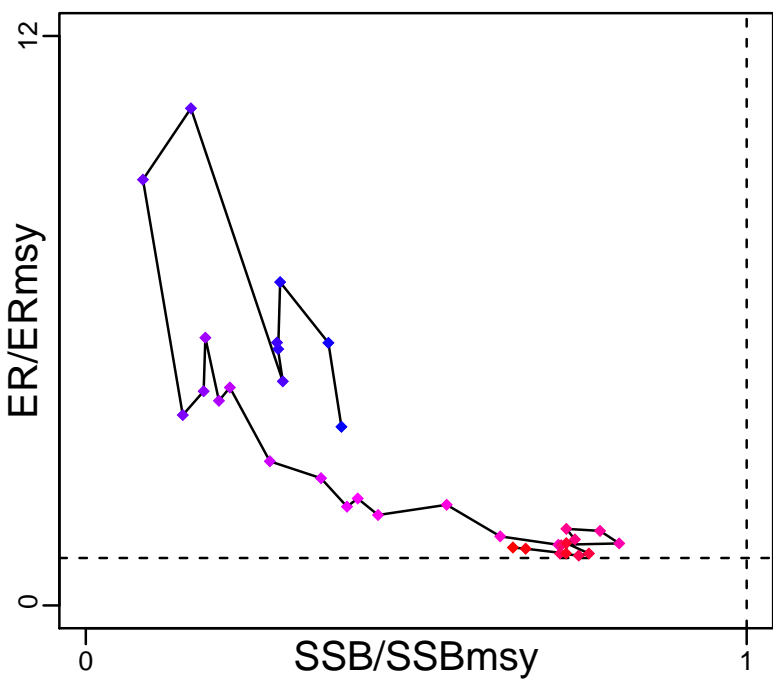
Metadata	
<b>Scientific Name</b>	Paralichthys dentatus
<b>Current Assess ID</b>	NEFSC-SFLOUNMATLC-1982-2014-SISIMP2016
<b>Area</b>	Mid-Atlantic Coast
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in RAM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

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

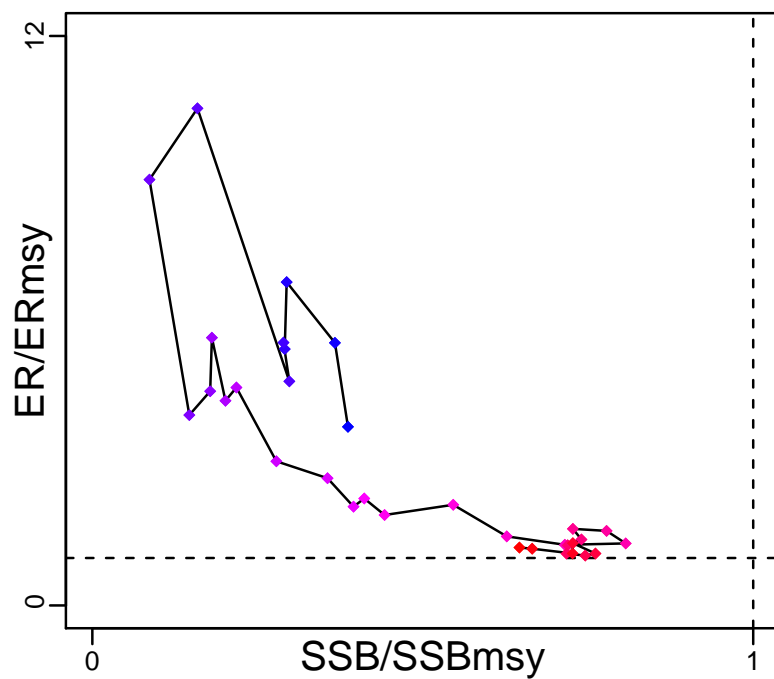
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	-	-	-	-	-
<b>SSB</b>	SSB-MT	2014	40,300	-	-
<b>TN</b>	TN-E00	2012	$1.17 \times 10^8$	-	-
<b>R</b>	R-E00	2014	41,400,000	-	0
<b>F</b>	F-1/yr	2014	0	-	4
<b>ER</b>	ER-calc-ratio	2014	0	-	-
<b>TC</b>	TC-MT	2014	10,200		
<b>TL</b>	TL-MT	2012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

# Summer flounder Mid-Atlantic Coast [SFLOUNMATLC]

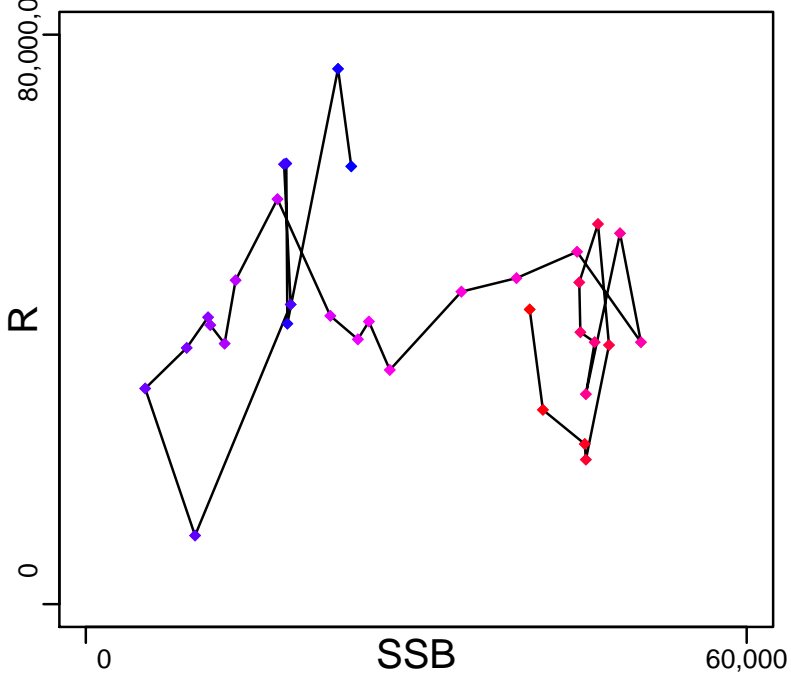
Kobe MSYpref (1982–2014–SISIMP2016)



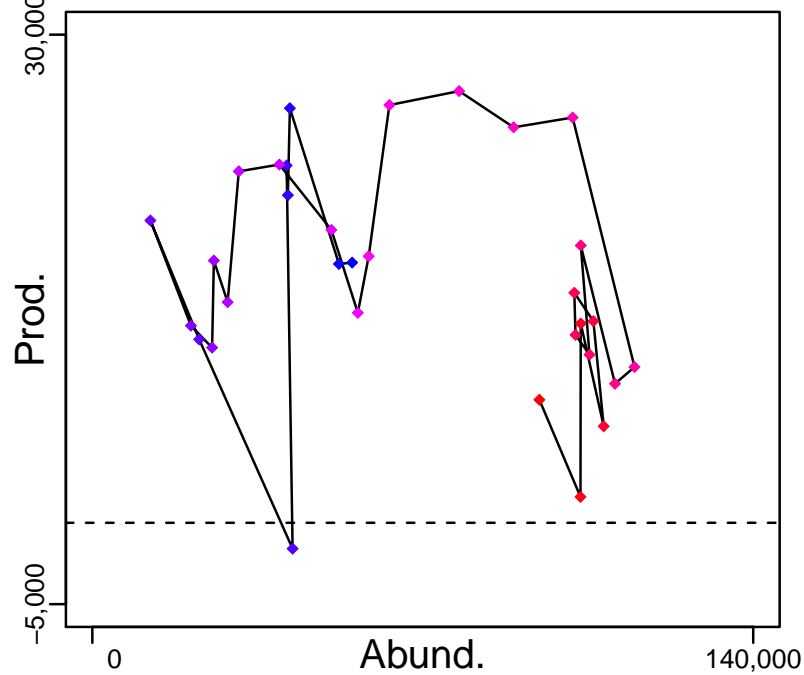
Kobe MGTpref (1982–2014–SISIMP2016)



Spawner Recruit (1982–2014–SISIMP2016)



Production (1982–2014–SISIMP2016)



◆ Start Year ◆ End Year \* No Data

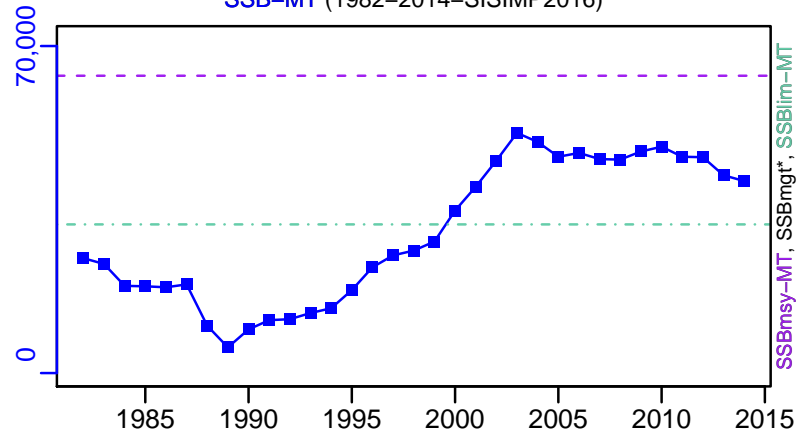


# Summer flounder Mid-Atlantic Coast [SFLOUNMATLC]

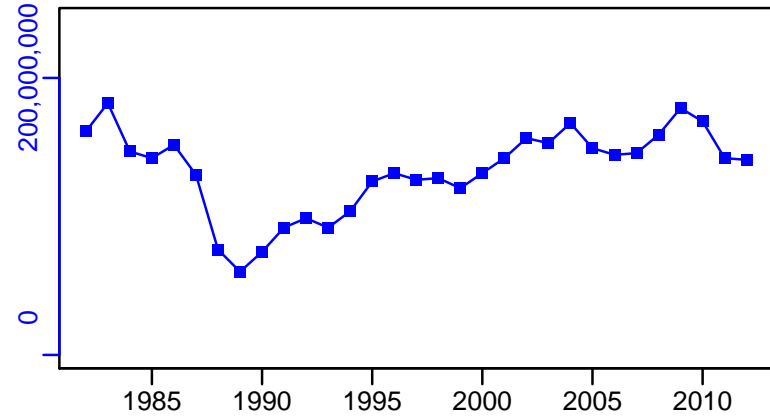
TB\*



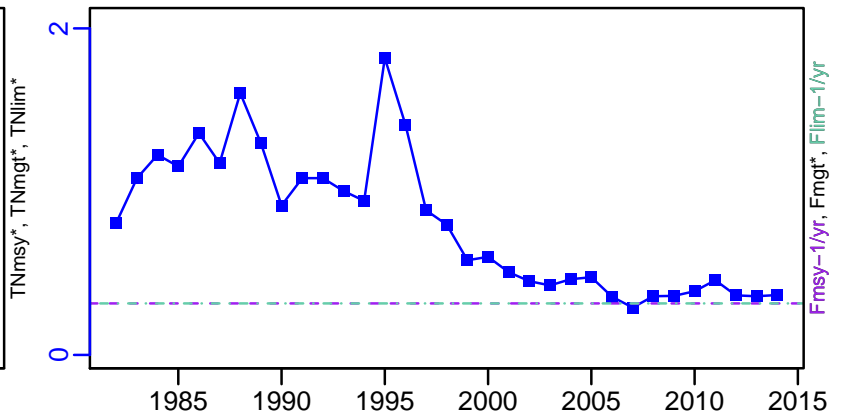
SSB-MT (1982-2014-SISIMP2016)



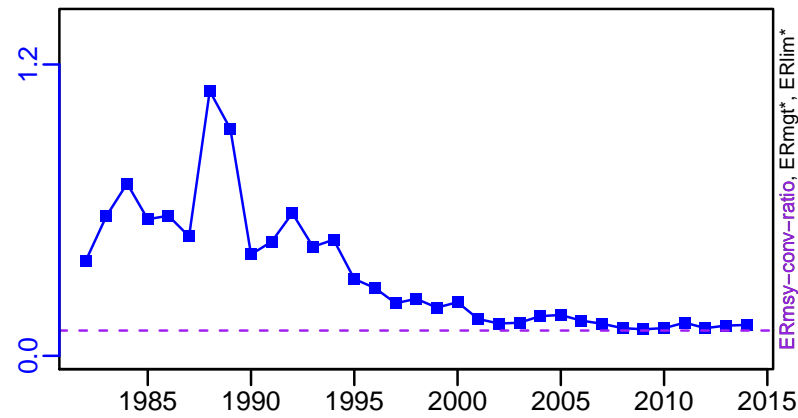
TN-E00 (1940-2012-HIVELY)



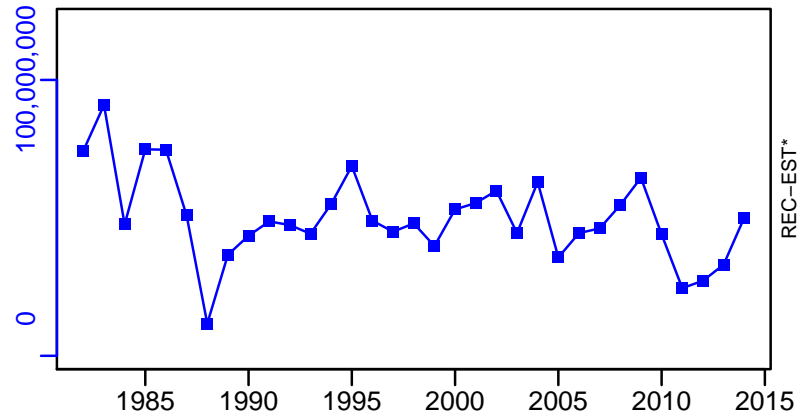
F-1/yr (1982-2014-SISIMP2016)



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



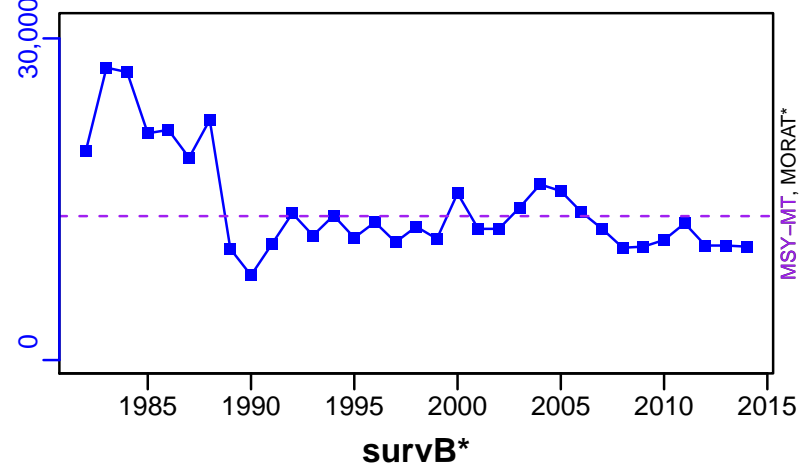
R-E00 (1982-2014-SISIMP2016)



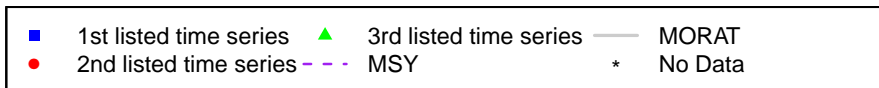
# Summer flounder Mid-Atlantic Coast [SFLOUNMATLC]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



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

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

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	TN-E00	2009	14,300,000	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2013	1370		
TL	TL-MT	2009	972		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

**Kobe MSY\***



**Kobe MGT\***



**Spawner Recruit\***



**Production\***



◆ Start Year ◆ End Year \* No Data

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

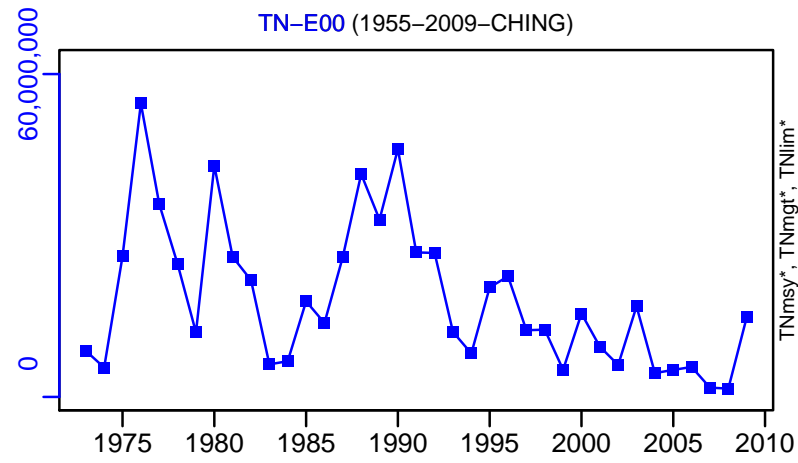
TB\*



SSB\*



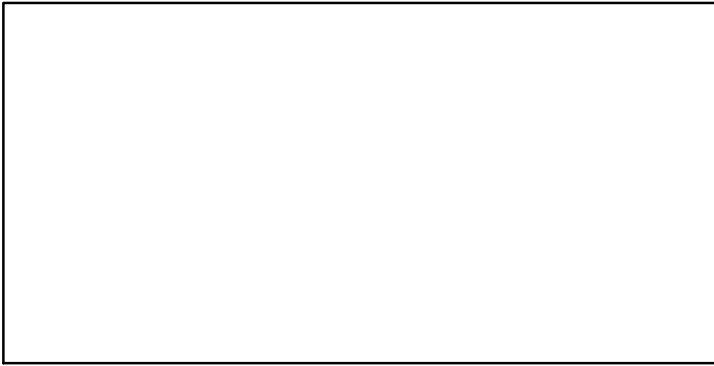
TN-E00 (1955–2009–CHING)



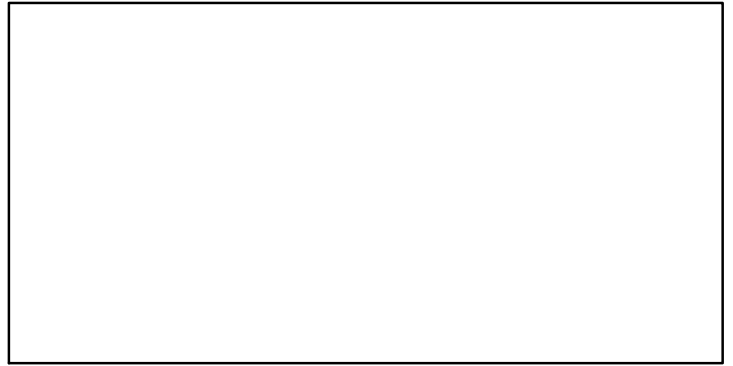
F\*



ER\*



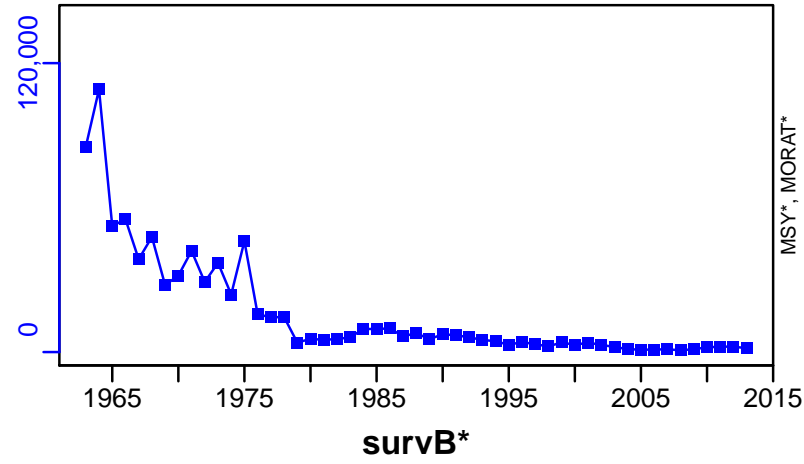
Recruits\*



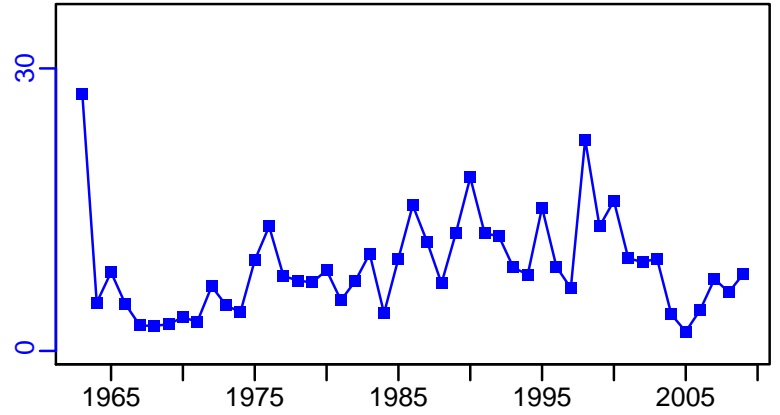
# Silver hake Gulf of Maine / Northern Georges Bank [SHAKEGOMNGB]

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

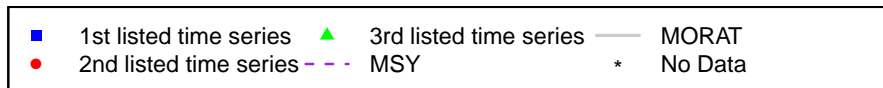
TAC\*, Cpair\*, Cadv\*



CPUE-kgpertow (1955-2009-CHING)



EFFORT\*



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

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

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

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

**Kobe MSY\***



**Kobe MGT\***



**Spawner Recruit\***



**Production\***



◆ Start Year ◆ End Year \* No Data



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

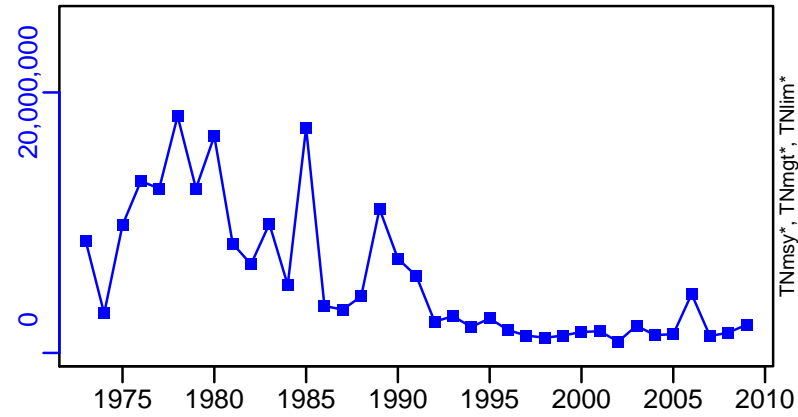
TB\*



SSB\*



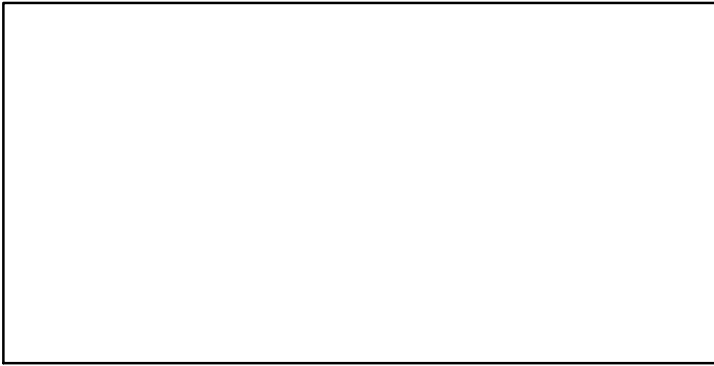
TN-E00 (1955-2009-CHING)



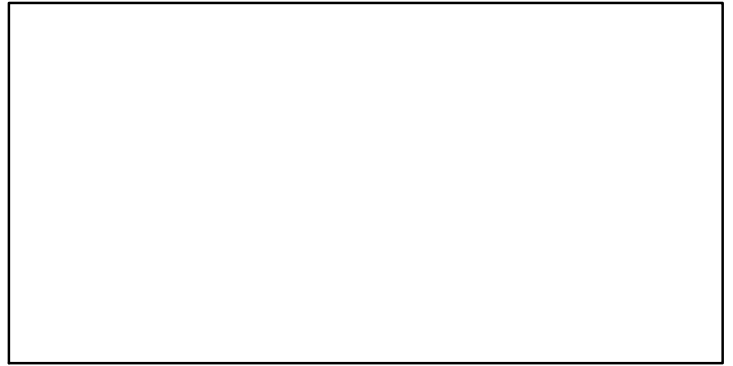
F\*



ER\*



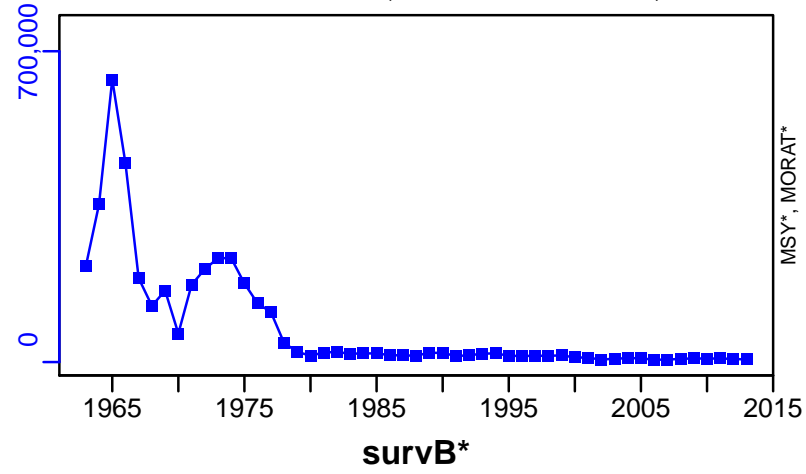
Recruits\*



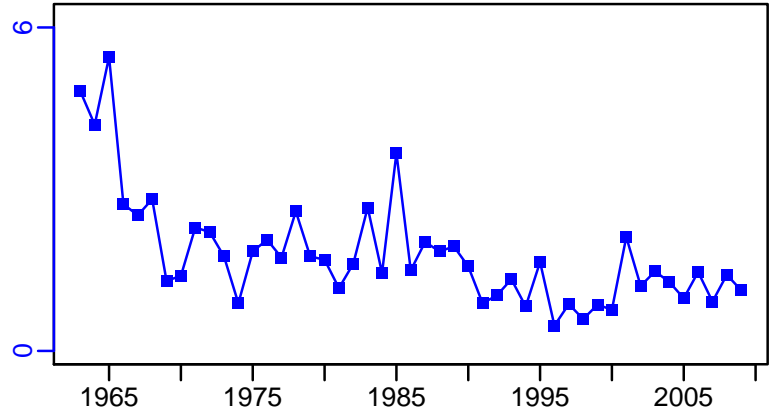
# Silver hake Southern Georges Bank / Mid-Atlantic [SHAKESGBMATL]

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

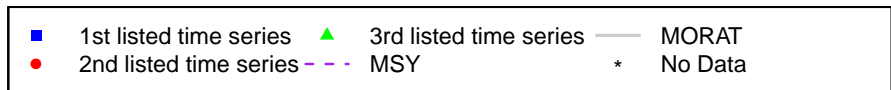
TAC\*, Cpair\*, Cadv\*



CPUE-kgpertow (1955-2009-CHING)



EFFORT\*



## Smooth dogfish Atlantic [SMDOGATL]

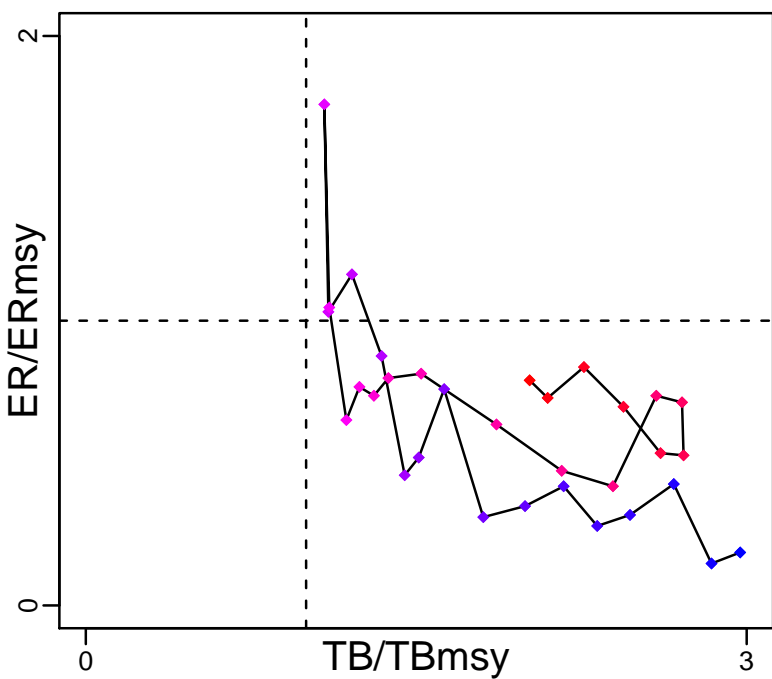
Metadata	
<b>Scientific Name</b>	Mustelus canis
<b>Current Assess ID</b>	SEFSC-SMDOGATL-1981-2012-SISIMP2016
<b>Area</b>	Atlantic
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Southeast Fisheries Science Center
<b>Asmts in RAM</b>	2012

Reference Points			
Type	ID	Asmt Year	Value
<b>TBmsy</b>	TBmsy-est-MT	2012	5029
<b>SSBmsy</b>	SSBmsy-E00pups	2012	4,746,000
<b>Fmsy</b>	-	-	-
<b>ERmsy</b>	ERmsy-ratio	2012	0.13
<b>TBmgt</b>	-	-	-
<b>SSBmgt</b>	-	-	-
<b>Fmgt</b>	-	-	-
<b>ERmgt</b>	-	-	-
<b>TB0</b>	-	-	-
<b>SSB0</b>	-	-	-
<b>MSY</b>	MSY-est-MT	2012	649
<b>M</b>	-	-	-
<b>TBlim</b>	-	-	-
<b>SSBlim</b>	SSBlim-E00pups	2012	3,701,000
<b>Flim</b>	-	-	-
<b>ERlim</b>	ERlim-ratio	2012	0.13

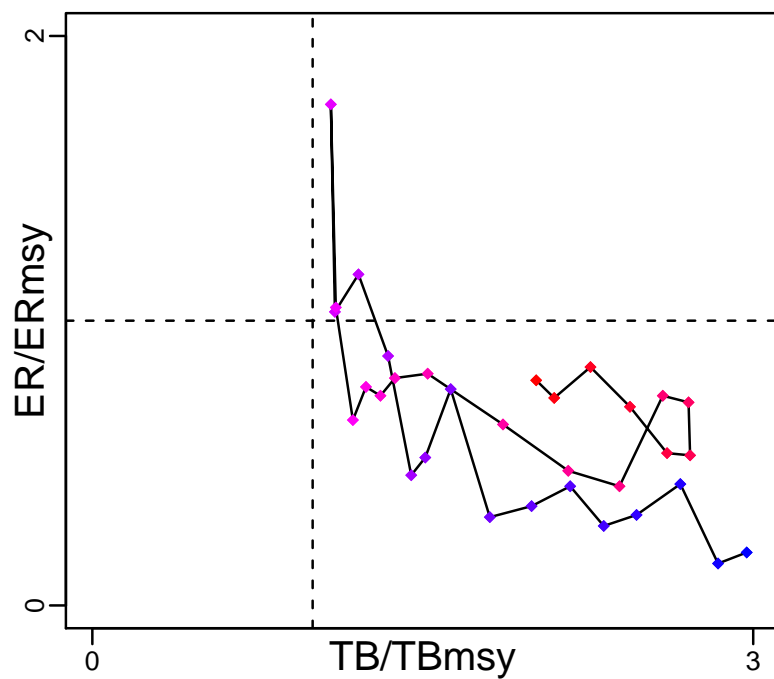
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2012	10,100	-	-
<b>SSB</b>	SSB-E00pups	2012	10,800,000	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	-	-	-	-	-
<b>F</b>	-	-	-	-	-
<b>ER</b>	ER-ratio	2012	0	-	-
<b>TC</b>	TC-MT	2012	1.45		
<b>TL</b>	-	-	-		
<b>TB/TBmsy</b>	TB-MT/TBmsy-est-MT	2012	2.01		
<b>SSB/SSBmsy</b>	-	-	-		
<b>F/Fmsy</b>	-	-	-		
<b>ER/ERmsy</b>	ER-ratio/ERmsy-ratio	2012	0.79		
<b>TB/TBmgt</b>	-	-	-		
<b>SSB/SSBmgt</b>	-	-	-		
<b>F/Fmgt</b>	-	-	-		
<b>ER/ERmgt</b>	-	-	-		

# Smooth dogfish Atlantic [SMDOGATL]

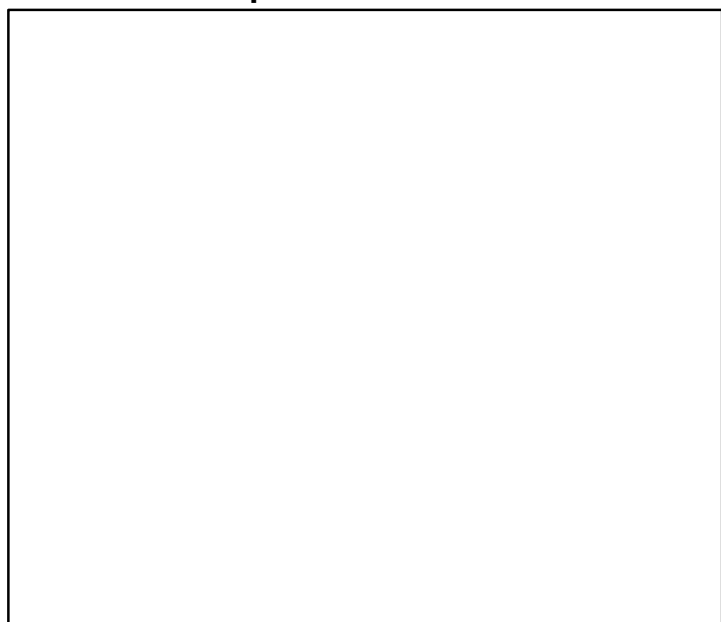
Kobe MSY<sub>pref</sub> (1981–2012–SISIMP2016)



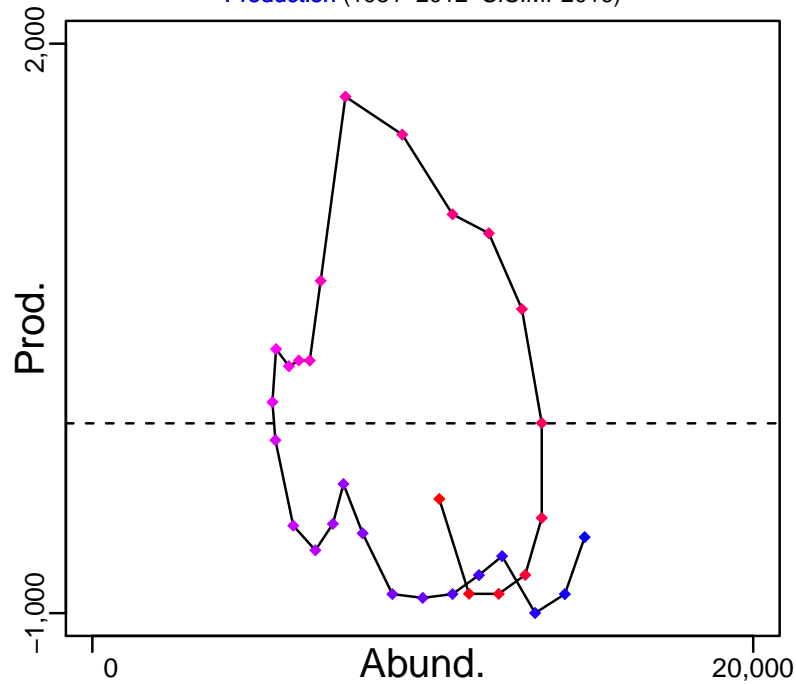
Kobe MGT<sub>pref</sub> (1981–2012–SISIMP2016)



Spawner Recruit\*



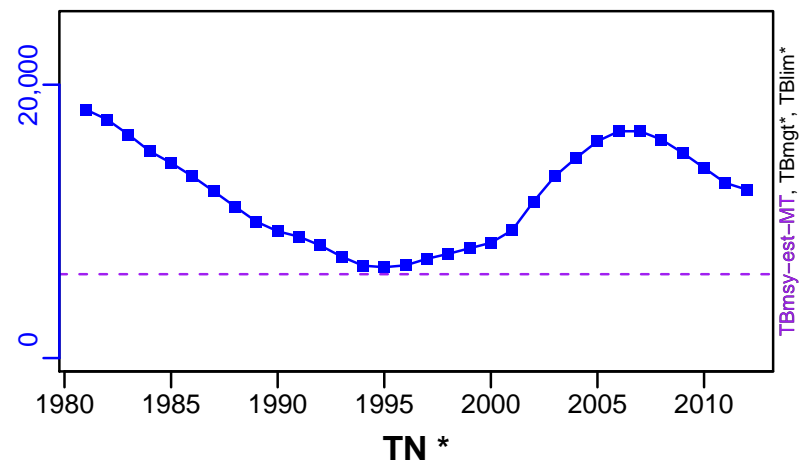
Production (1981–2012–SISIMP2016)



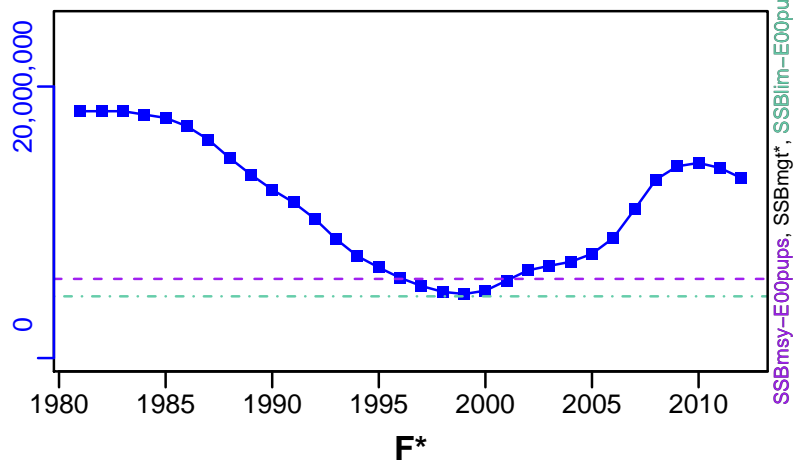
◆ Start Year ◆ End Year \* No Data

# Smooth dogfish Atlantic [SMDOGATL]

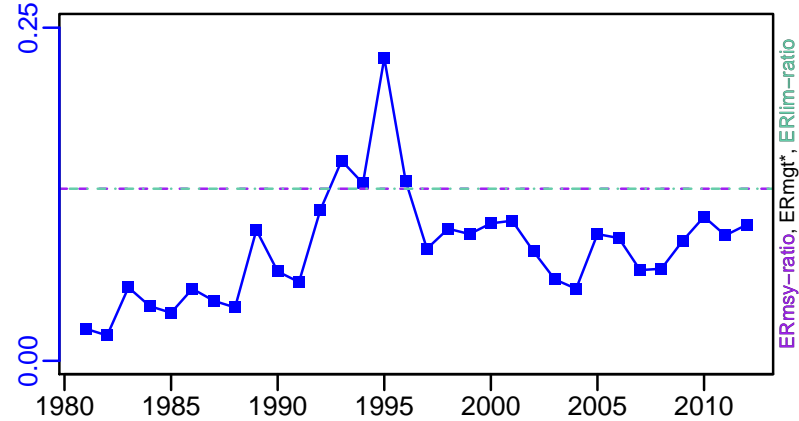
TB-MT (1981-2012-SISIMP2016)



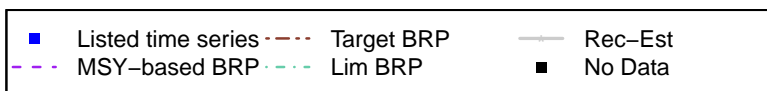
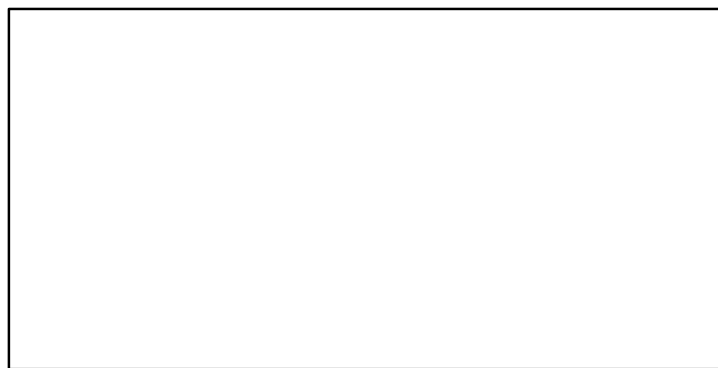
SSB-E00pups (1981-2012-SISIMP2016)



ER-ratio (1981-2012-SISIMP2016)

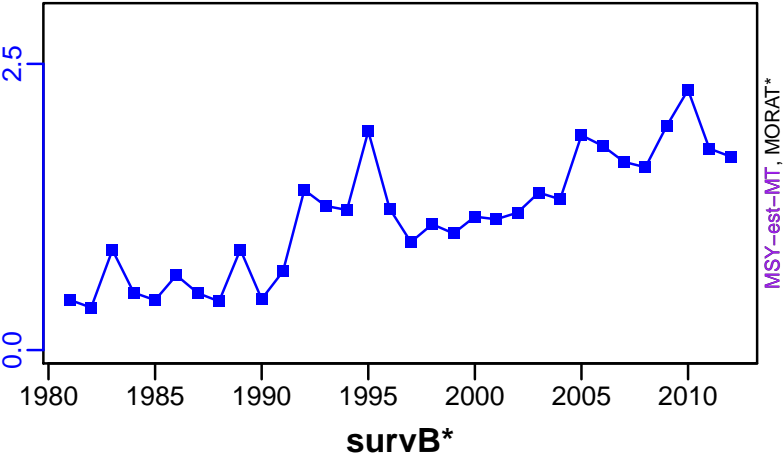


Recruits\*



Smooth dogfish Atlantic [SMDOGATL]

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



TAC\*, Cpair\*, Cadv\*



CPUE\*



EFFORT\*



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

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

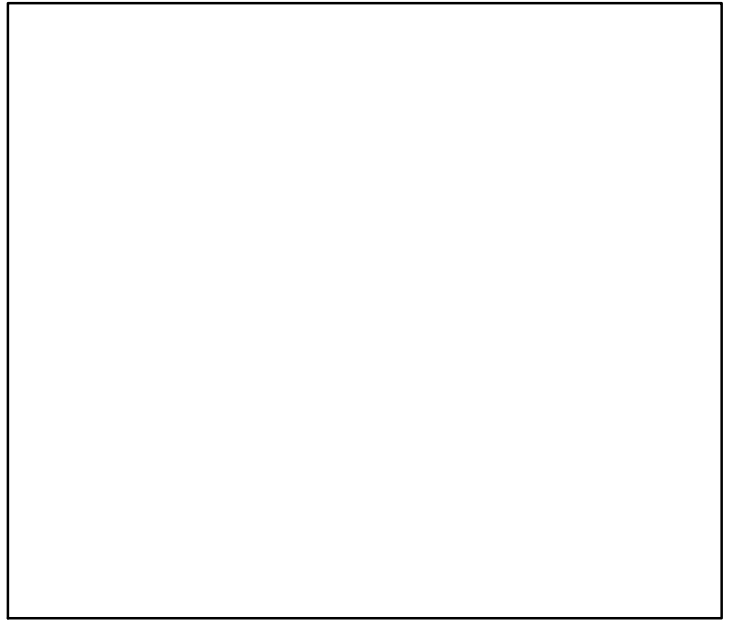
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

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

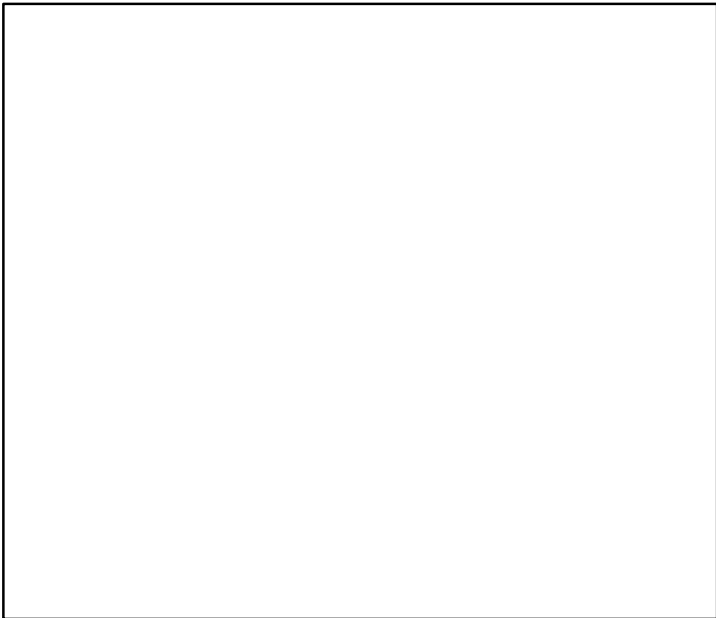
**Kobe MSY\***



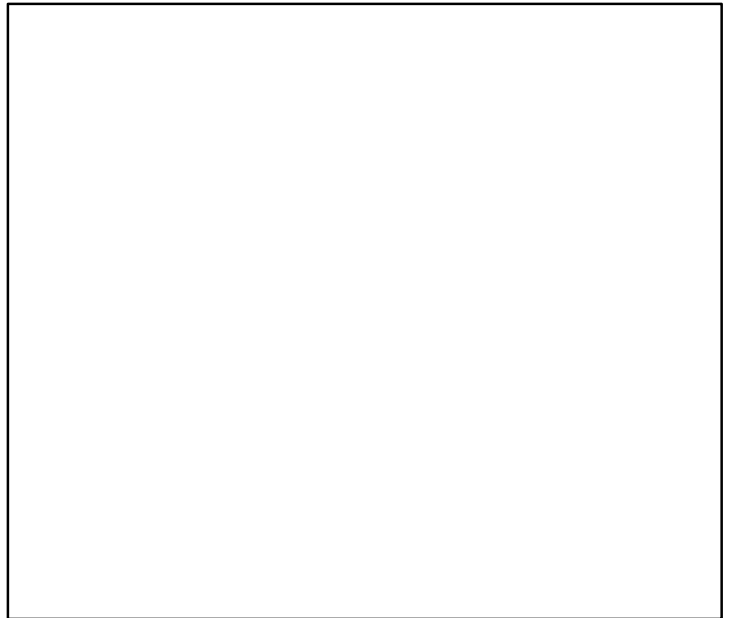
**Kobe MGT\***



**Spawner Recruit\***



**Production\***



◆ Start Year ◆ End Year \* No Data



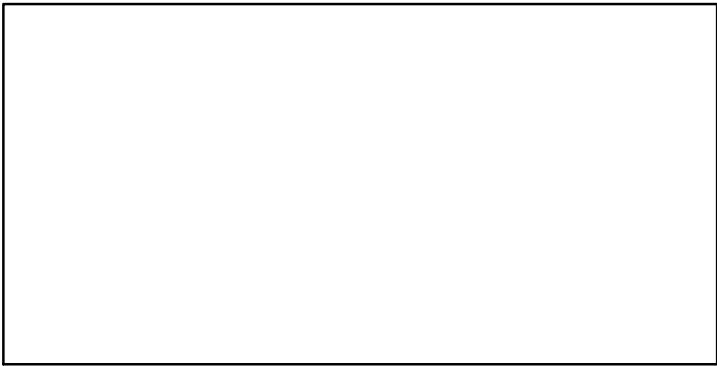
TB\*



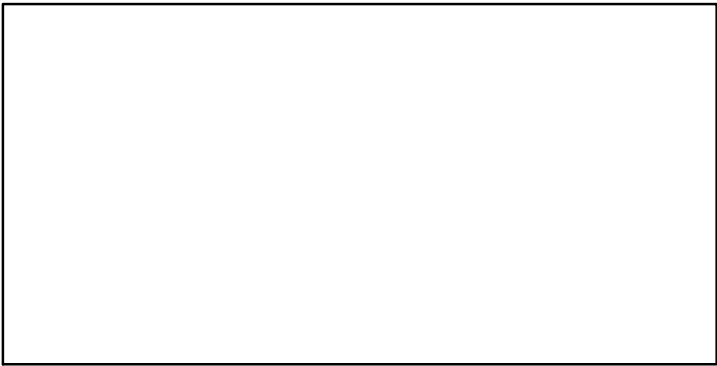
SSB\*



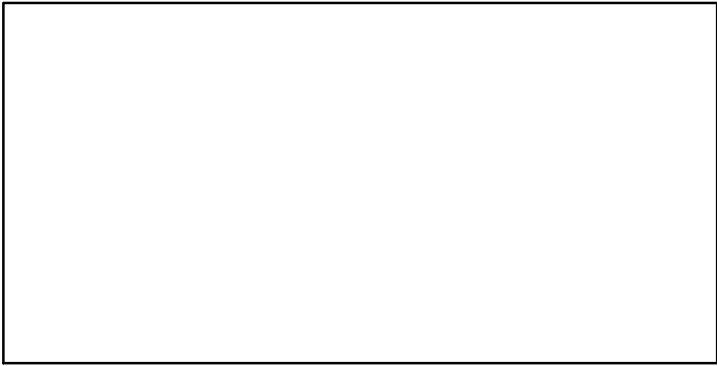
TN \*



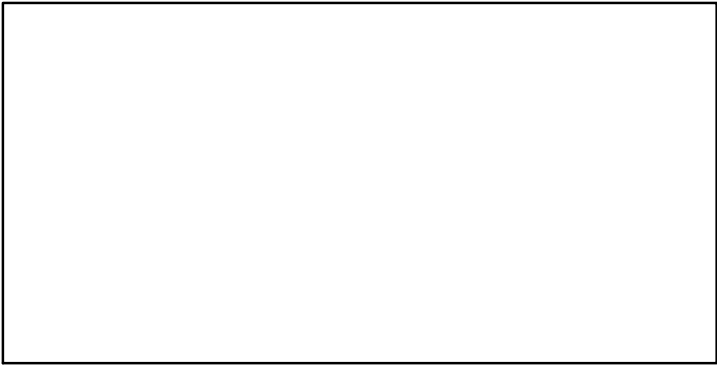
F\*



ER\*



Recruits\*



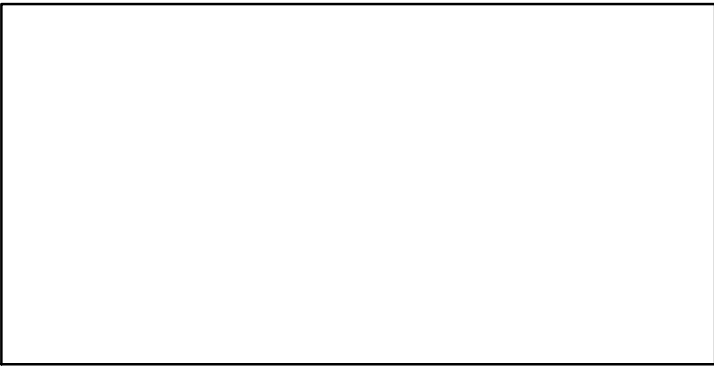
TC\*, TL\*, RecC\*



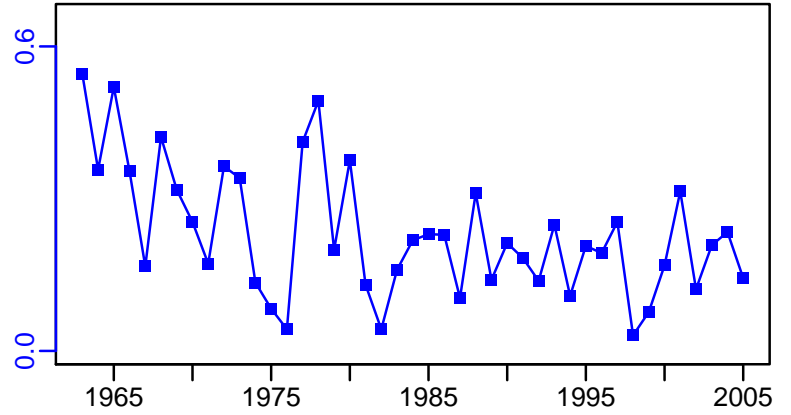
TAC\*, Cpair\*, Cadv\*



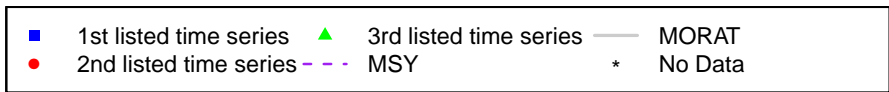
survB\*



CPUE–kgpertow (1963–2005–SOSEBEE)



EFFORT\*



## Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]

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

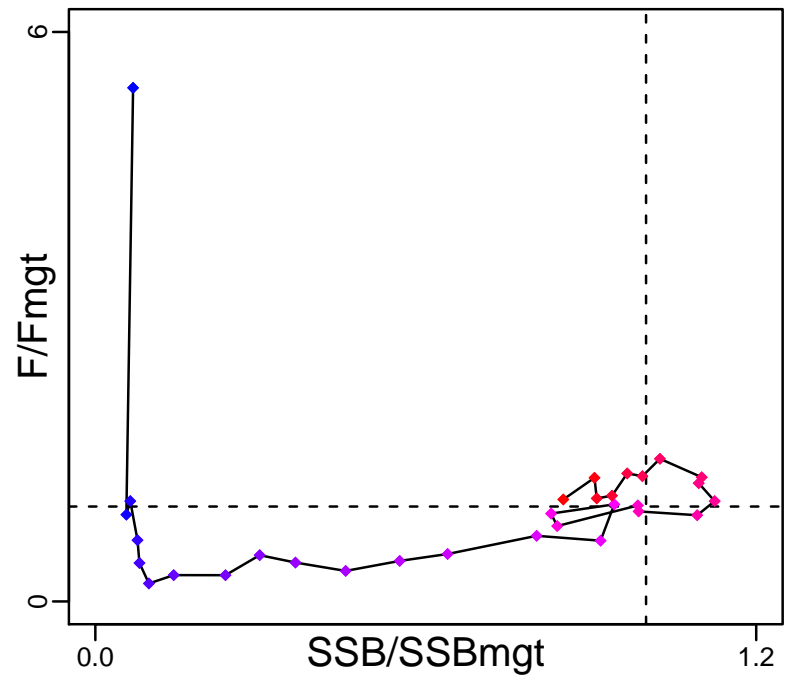
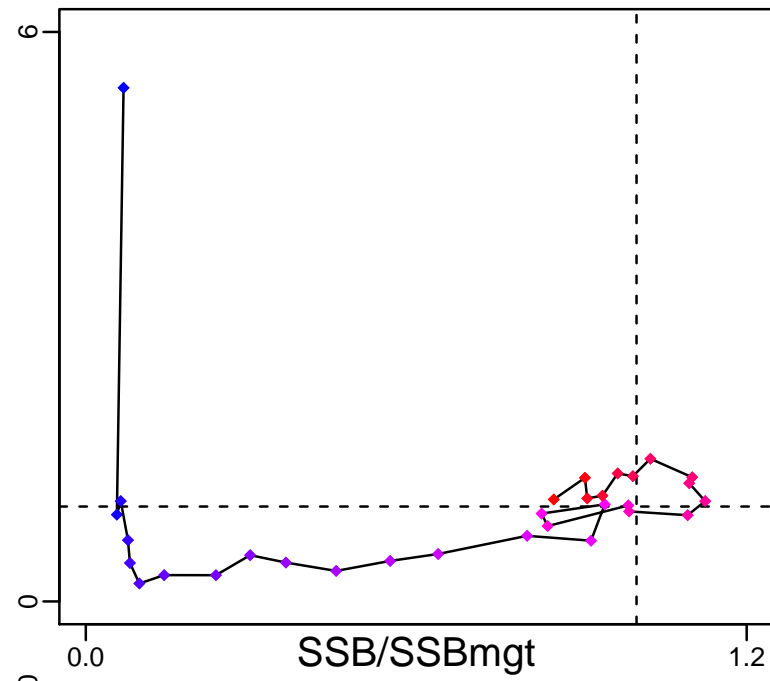
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2012	72,380
Fmgt	Fmgt-1/yr	2012	0.18
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

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

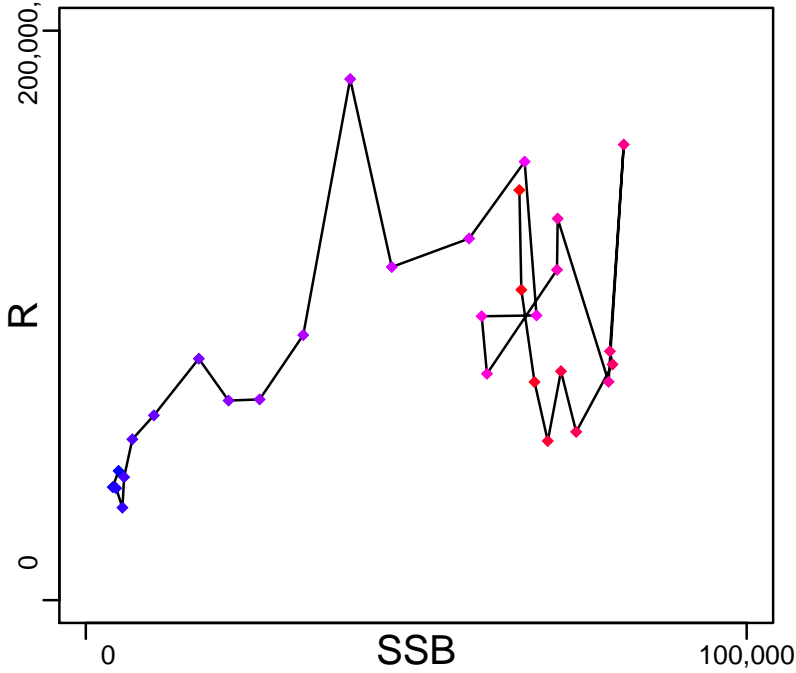
# Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]

Kobe MSYpref (1981–2012–HIVELY)

Kobe MGTpref (1981–2012–HIVELY)



Spawner Recruit (1981–2012–HIVELY)



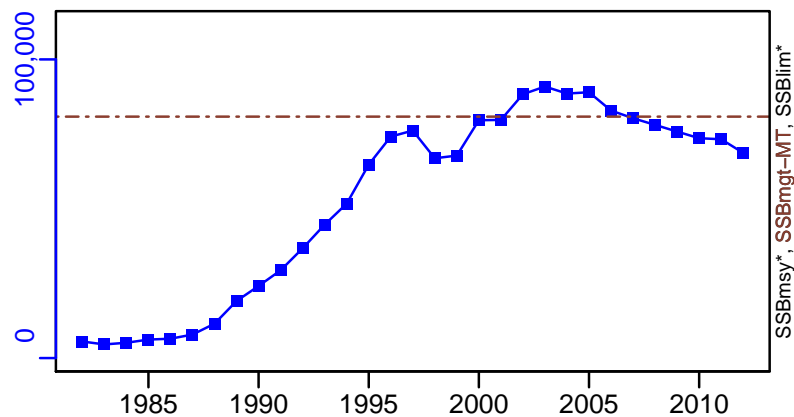
◆ Start Year ◆ End Year \* No Data

Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]

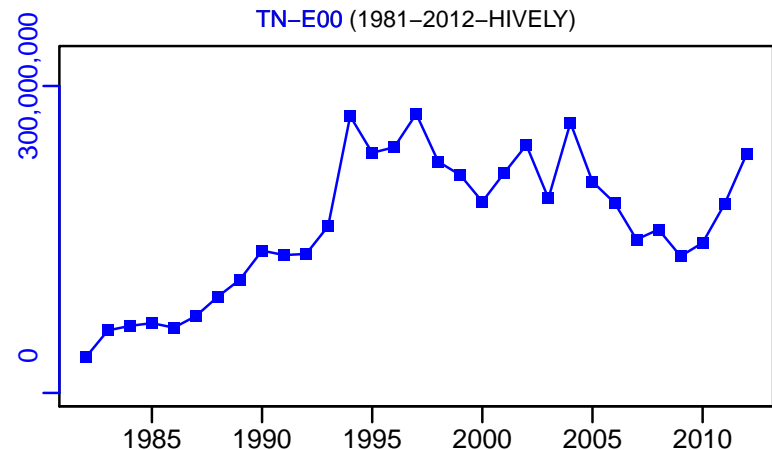
TB\*



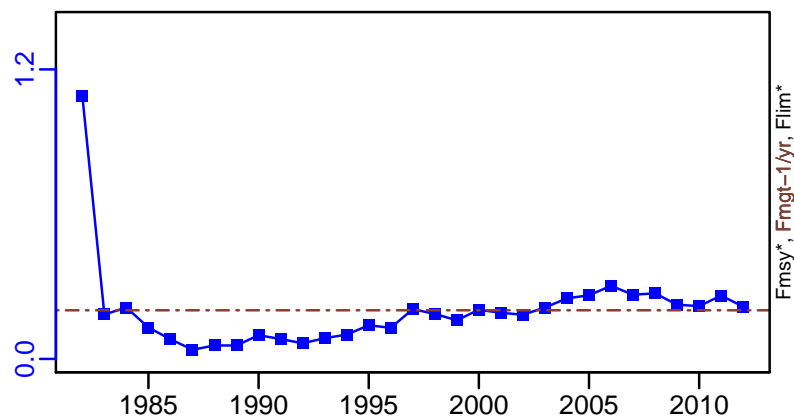
SSB-MT (1981-2012-HIVELY)



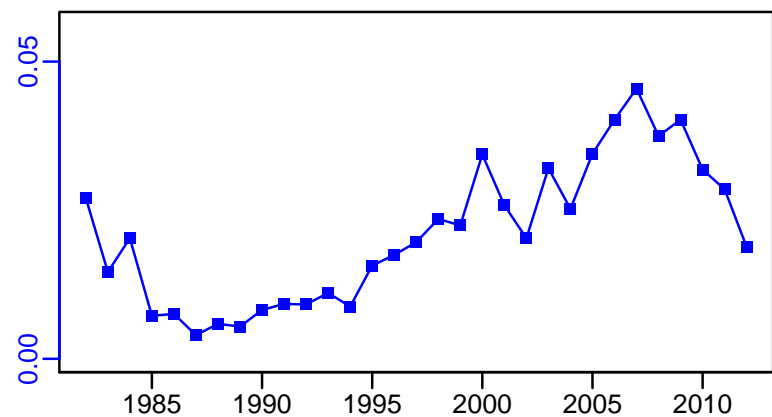
TN-E00 (1981-2012-HIVELY)



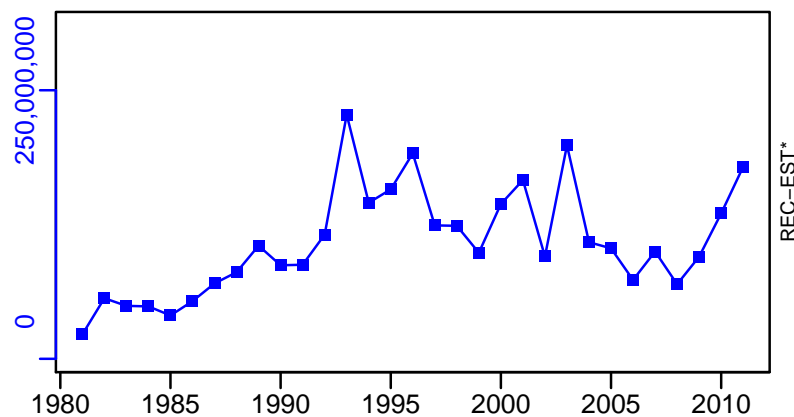
F-1/yr (1981-2012-HIVELY)



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



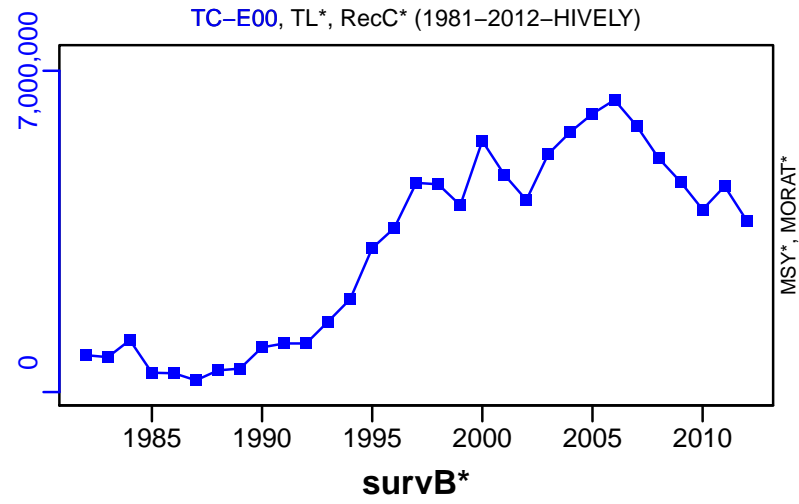
R-E00 (1981-2012-HIVELY)



# Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]

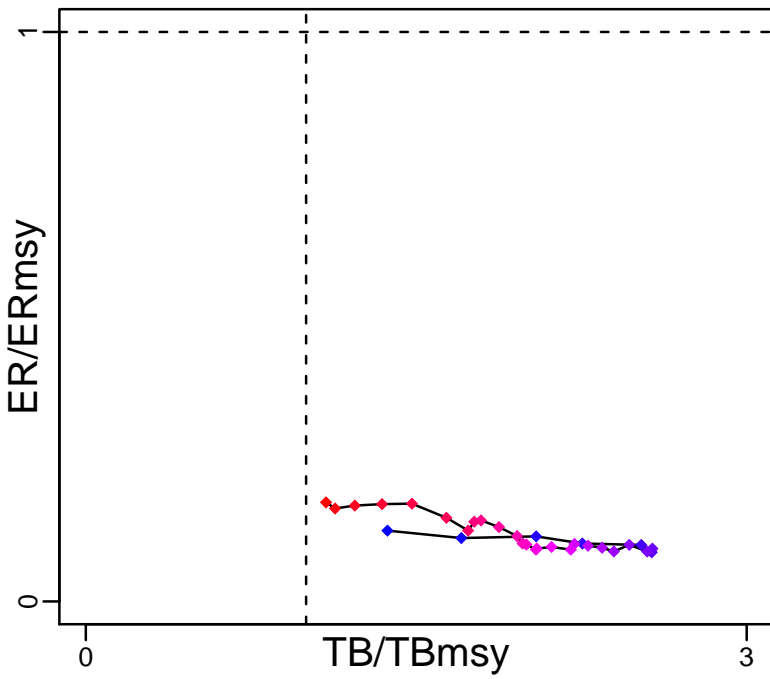
Metadata	
<b>Scientific Name</b>	Spisula solidissima
<b>Current Assess ID</b>	NEFSC-SURFMATLC-1982-2011-SISIMP2016
<b>Area</b>	Mid-Atlantic Coast
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in RAM</b>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

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

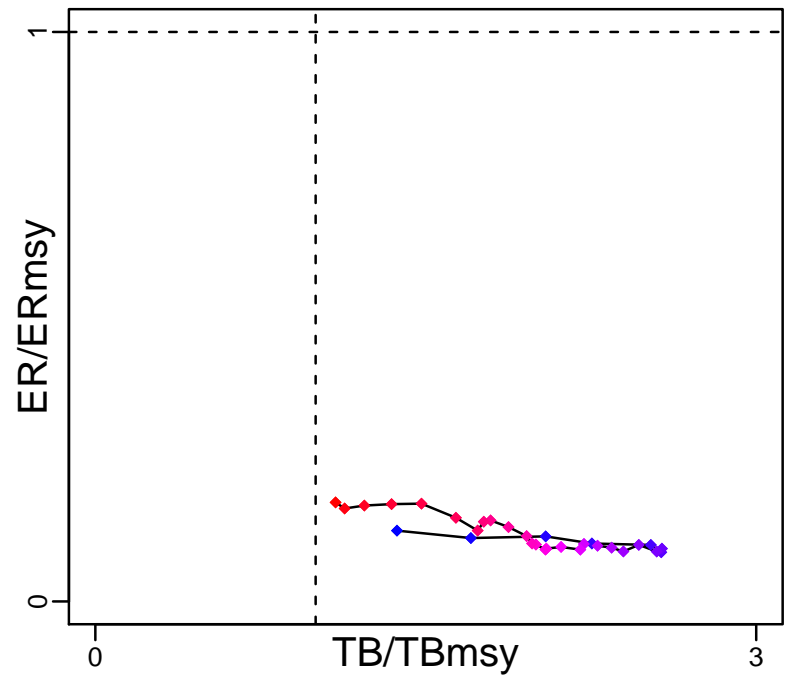
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2011	1,060,000	-	-
<b>SSB</b>	-	-	-	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-MT	2011	2,090,000	-	-
<b>F</b>	F-1/yr	2011	0	-	-
<b>ER</b>	ER-calc-ratio	2011	0	-	-
<b>TC</b>	TC-MT	2011	18,600		
<b>TL</b>	TL-MT	2008	22,500		
<b>TB/TBmsy</b>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

# Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]

Kobe MSYpref (1982–2011–SISIMP2016)



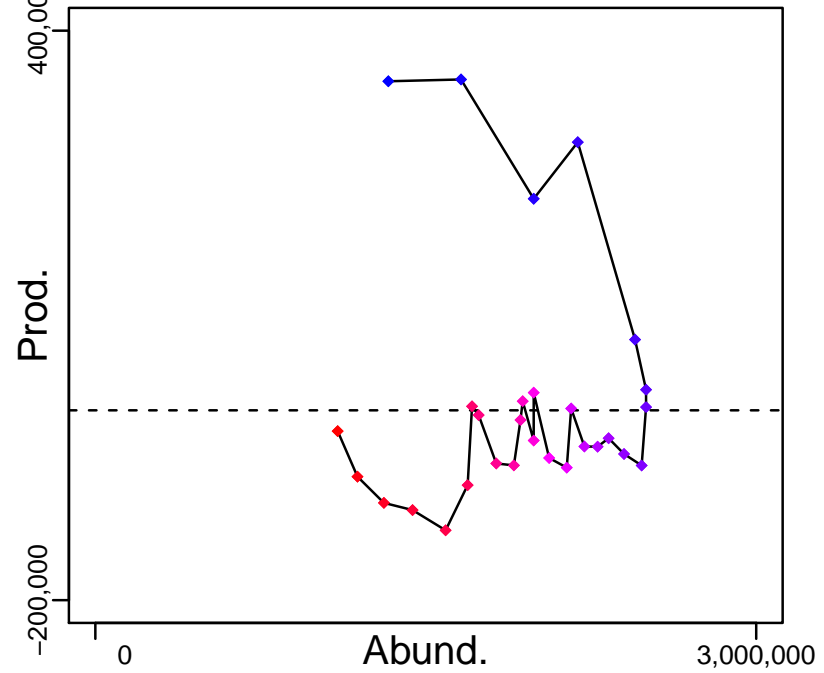
Kobe MGTpref (1982–2011–SISIMP2016)



Spawner Recruit\*



Production (1982–2011–SISIMP2016)

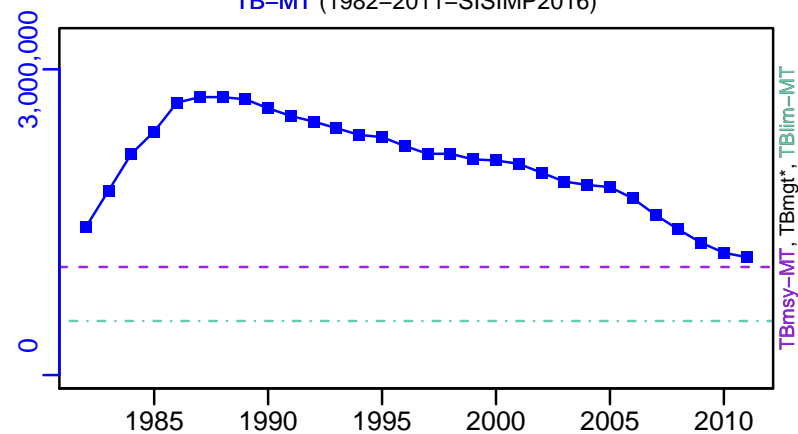


◆ Start Year ◆ End Year \* No Data

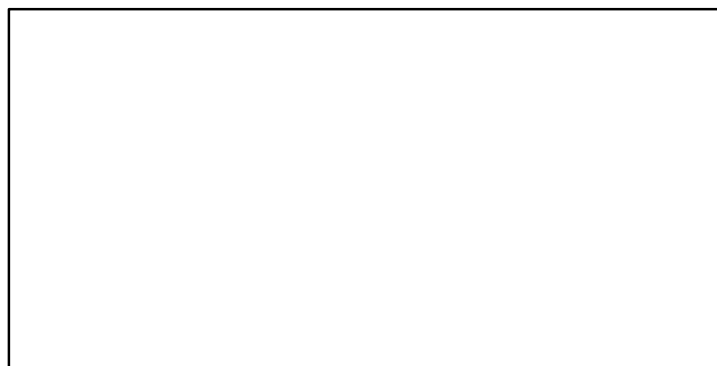


# Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]

TB-MT (1982-2011-SISIMP2016)



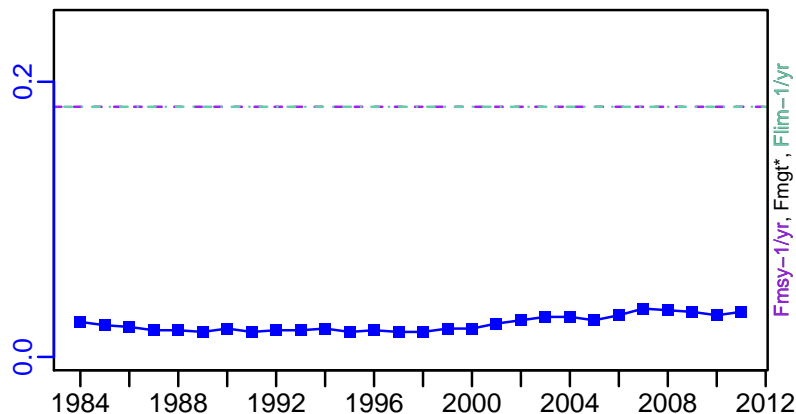
SSB\*



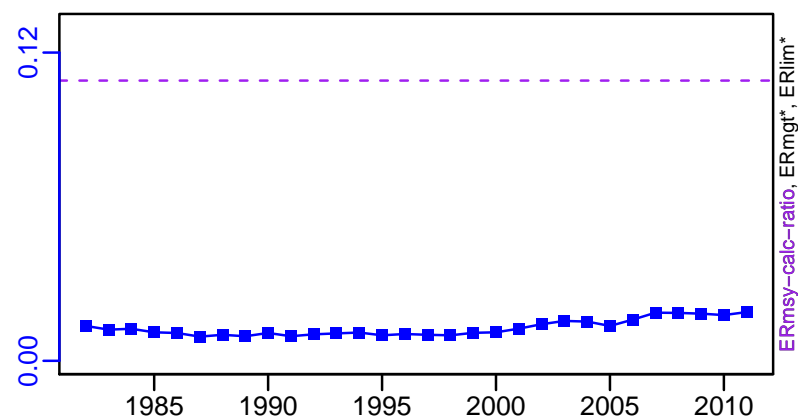
TN \*



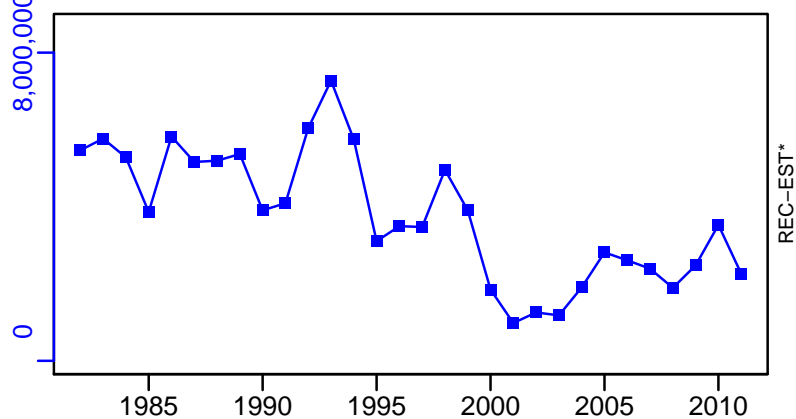
F-1/yr (1982-2011-SISIMP2016)



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



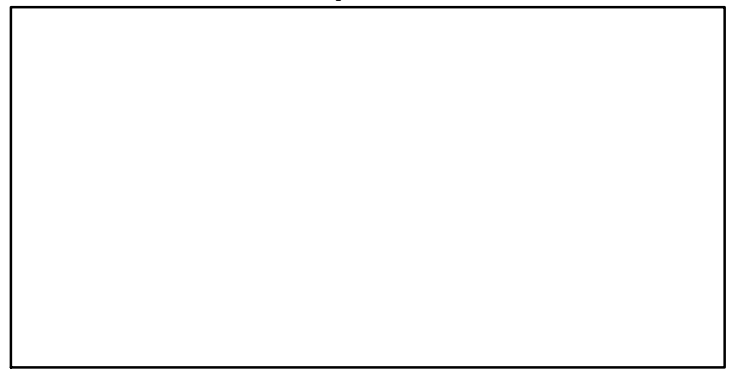
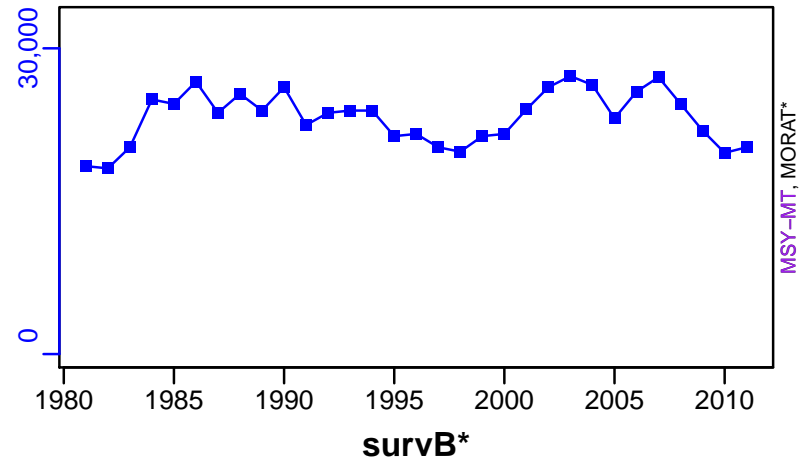
R-MT (1982-2011-SISIMP2016)



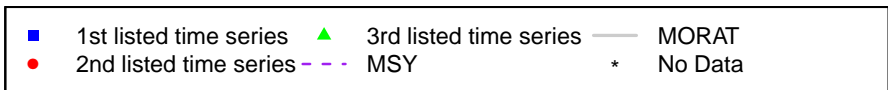
# Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Tilefish Mid-Atlantic Coast [TILEMATLC]

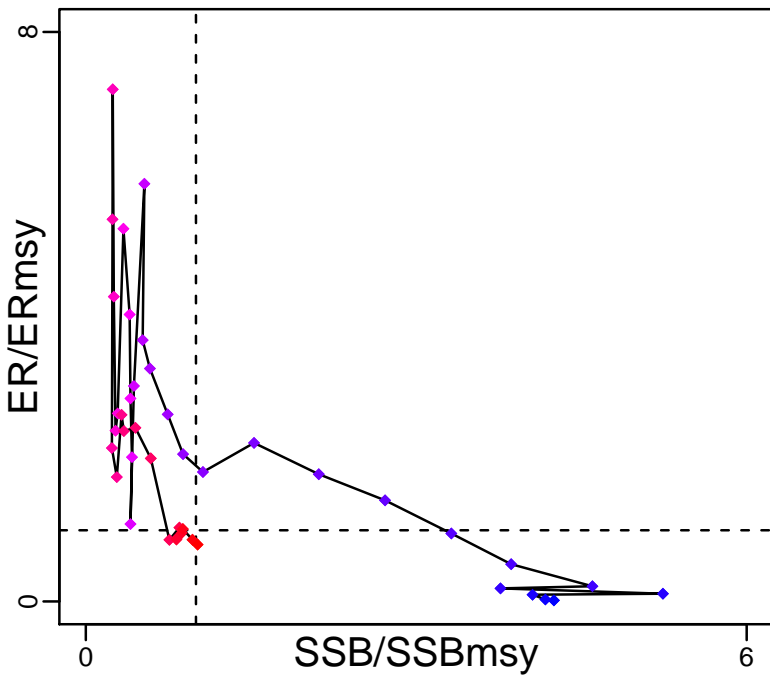
Metadata	
<b>Scientific Name</b>	Lopholatilus chamaeleonticeps
<b>Current Assess ID</b>	NEFSC-TILEMATLC-1915-2012-HIVELY
<b>Area</b>	Mid-Atlantic Coast
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in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

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

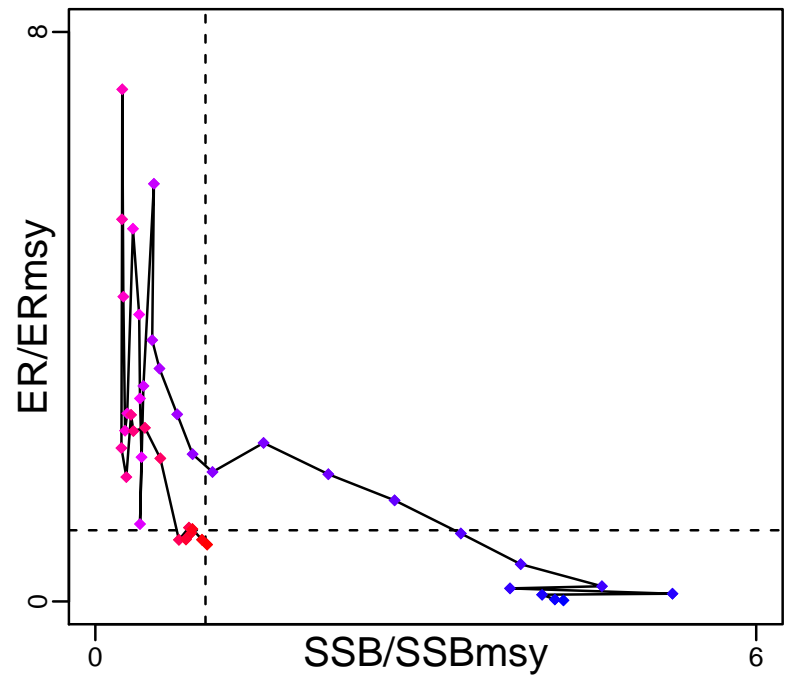
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	-	-	-	-	-
<b>SSB</b>	SSB-MT	2012	5230	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2012	751,000	-	-
<b>F</b>	F-1/yr	2012	0	-	-
<b>ER</b>	ER-calc-ratio	2012	0	-	-
<b>TC</b>	-	-	-		
<b>TL</b>	TL-MT	2012	834		
<b>TB/TBmsy</b>	-	-	-		
<b>SSB/SSBmsy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

# Tilefish Mid-Atlantic Coast [TILEMATLC]

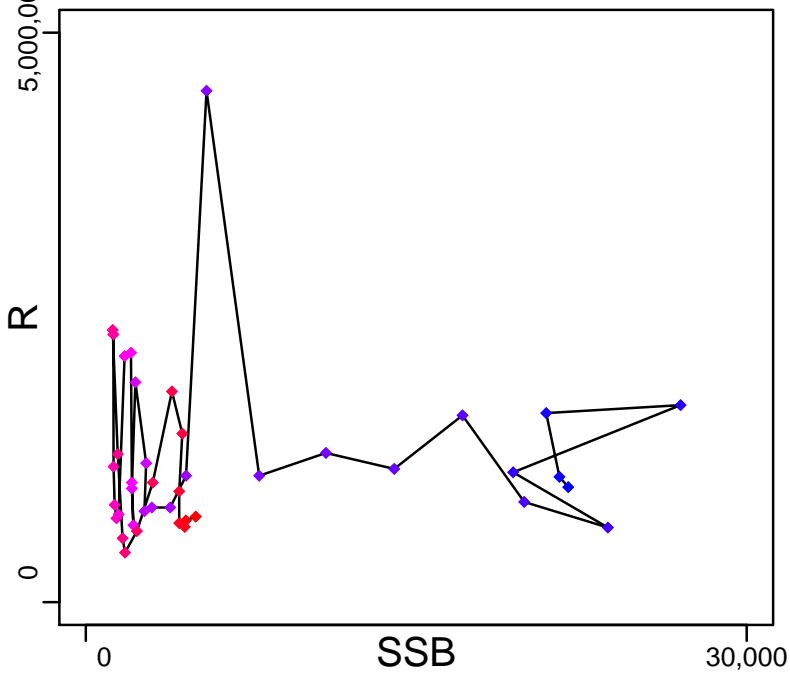
Kobe MSYpref (1915–2012–HIVELY)



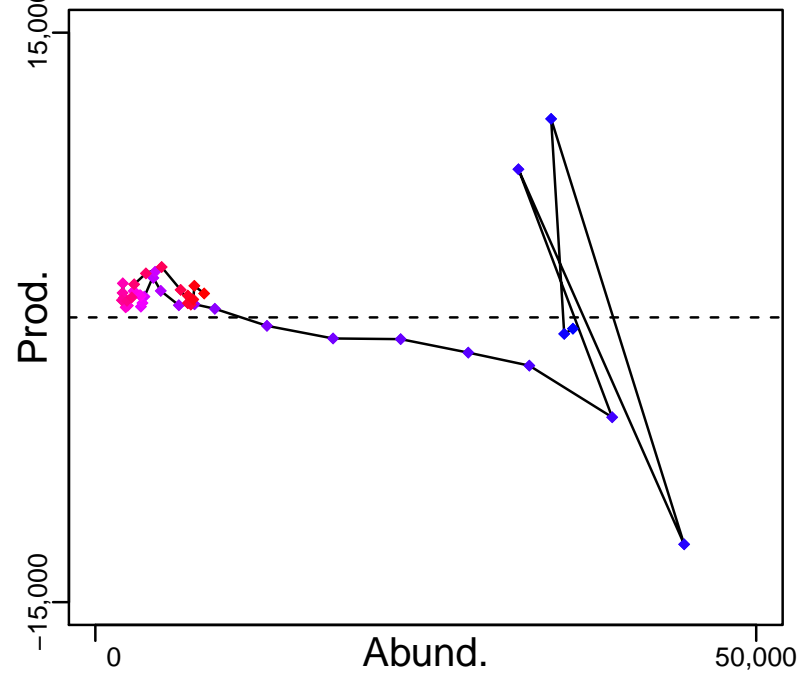
Kobe MGTpref (1915–2012–HIVELY)



Spawner Recruit (1915–2012–HIVELY)



Production (1915–2012–HIVELY)



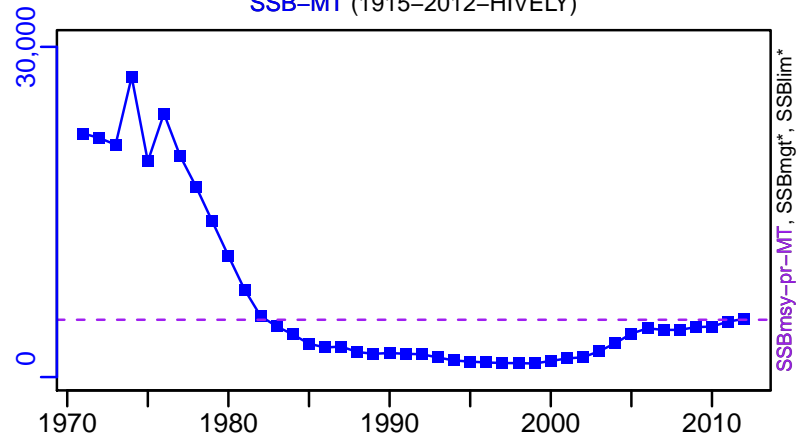
◆ Start Year ◆ End Year \* No Data

# Tilefish Mid-Atlantic Coast [TILEMATLC]

TB\*



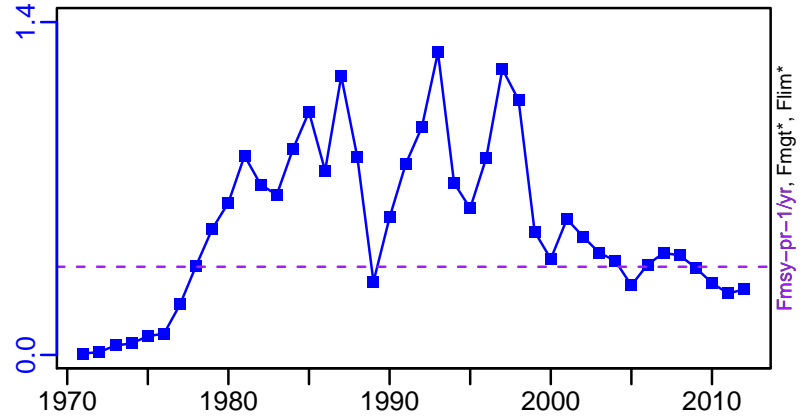
SSB-MT (1915-2012-HIVELY)



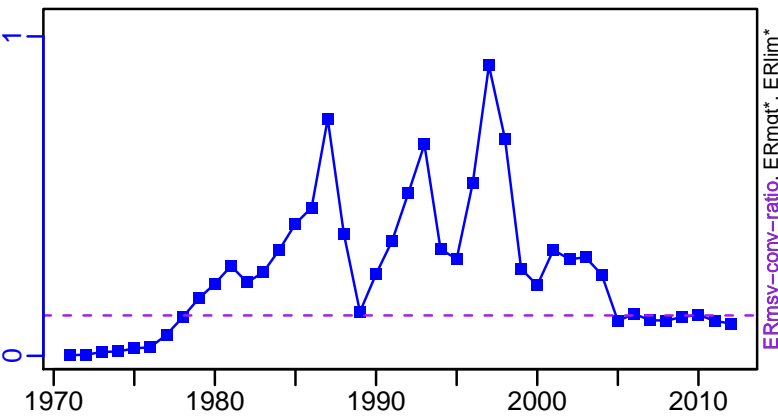
TN \*



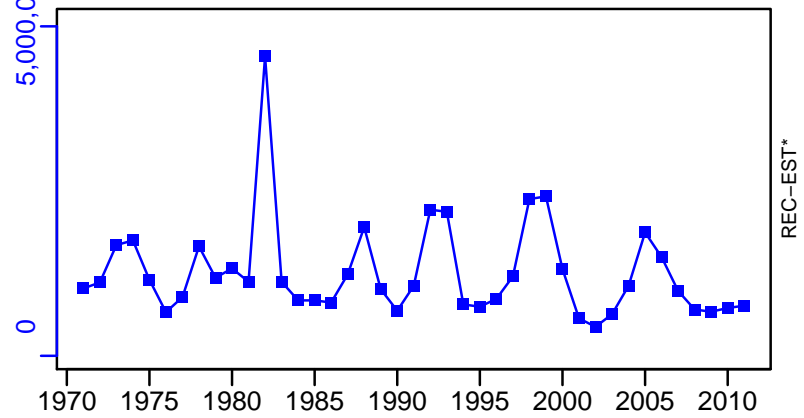
F-1/yr (1915-2012-HIVELY)



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



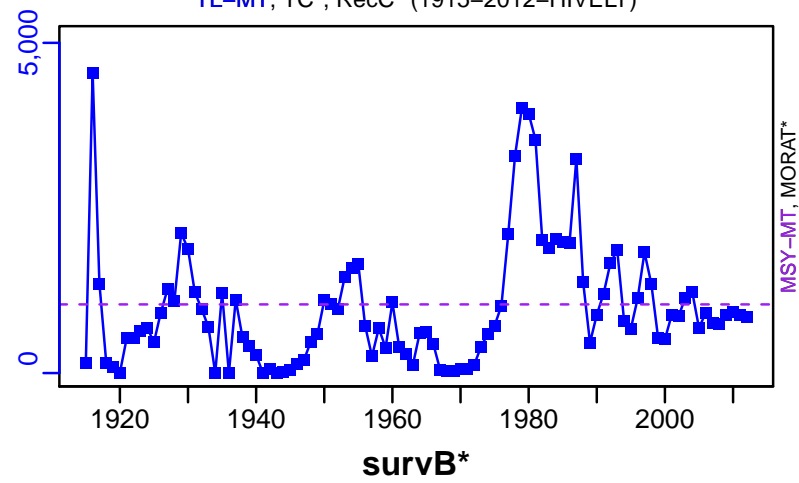
R-E00 (1915-2012-HIVELY)



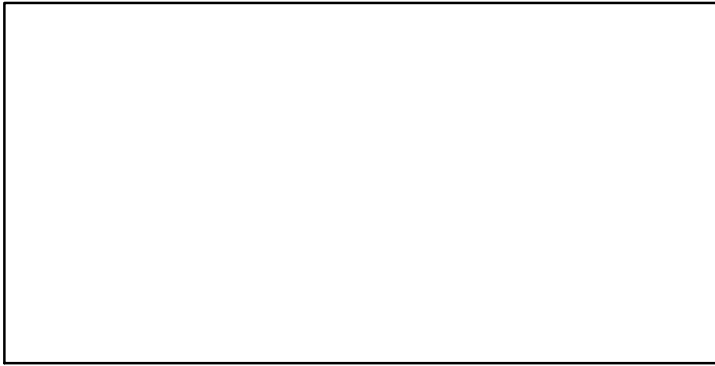
# Tilefish Mid-Atlantic Coast [TILEMATLC]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



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

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

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

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

**Kobe MSY\***



**Kobe MGT\***



**Spawner Recruit\***



**Production\***



◆ Start Year   ◆ End Year   \* No Data



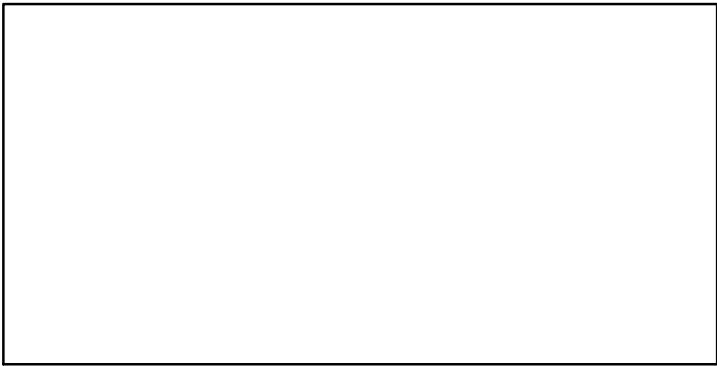
TB\*



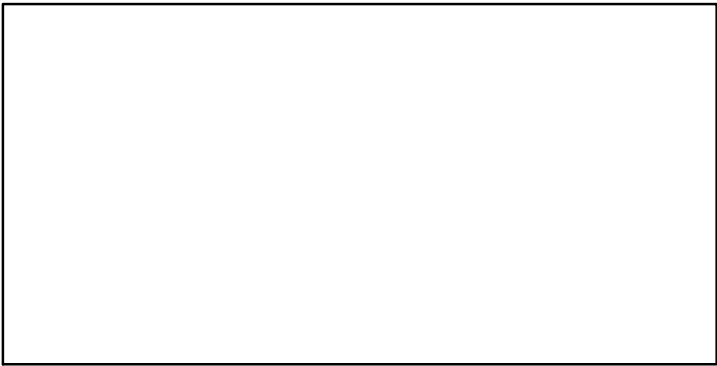
SSB\*



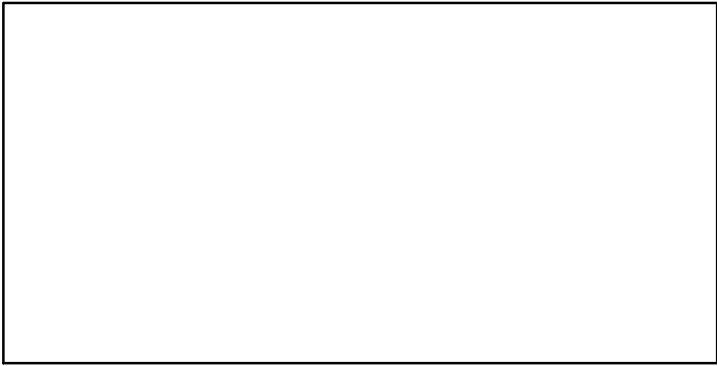
TN \*



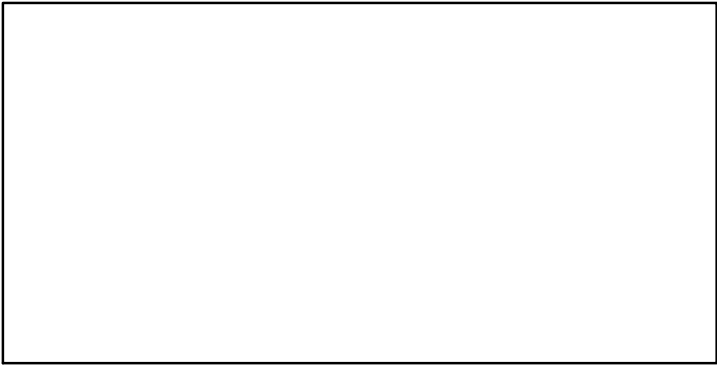
F\*



ER\*



Recruits\*



TC\*, TL\*, RecC\*



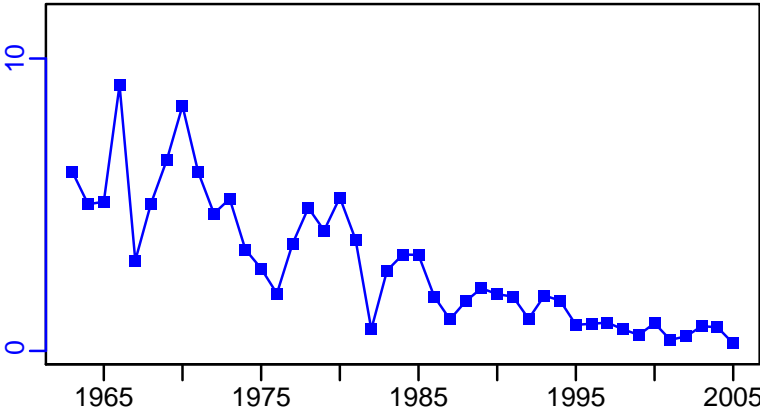
TAC\*, Cpair\*, Cadv\*



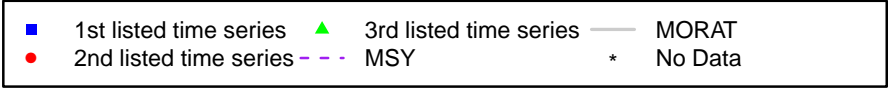
survB\*



CPUE–kgpertow (1963–2005–SOSEBEE)



EFFORT\*



## Weakfish Atlantic Coast [WEAKFISHATLC]

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

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

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

Weakfish Atlantic Coast [WEAKFISHATLC]

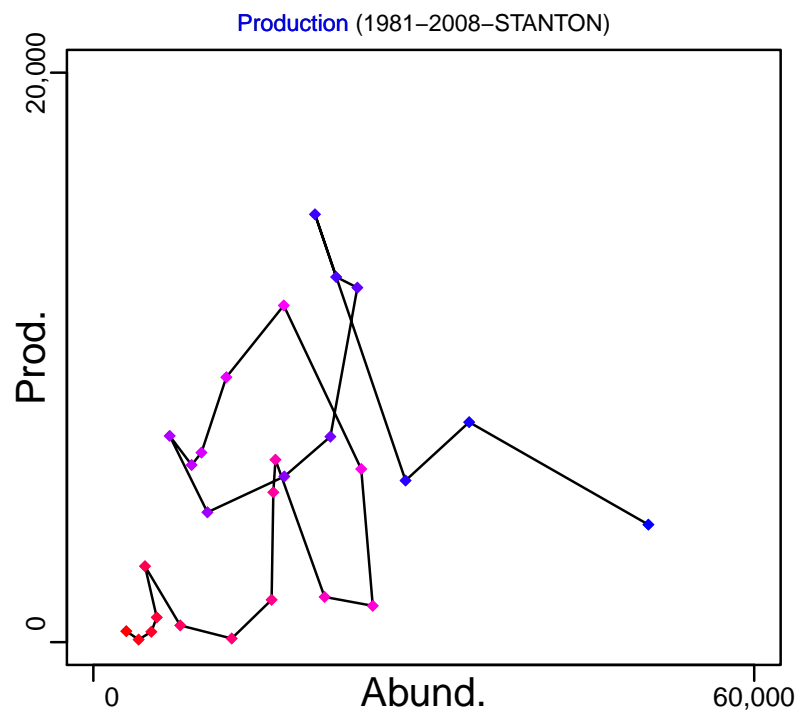
Kobe MSY\*



Kobe MGT\*



Spawner Recruit\*



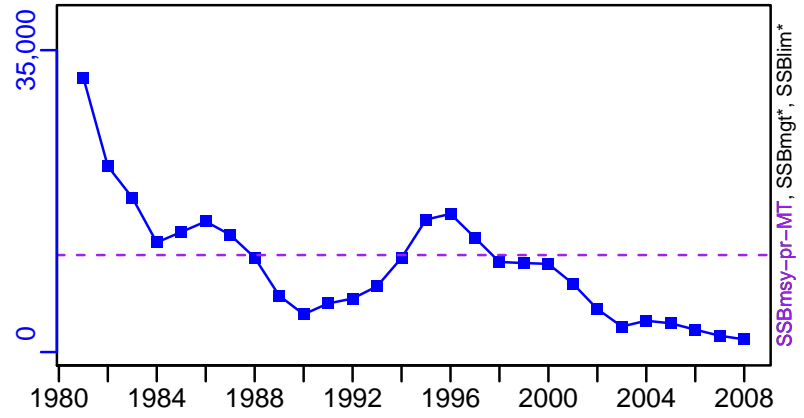
◆ Start Year ◆ End Year \* No Data

# Weakfish Atlantic Coast [WEAKFISHATLC]

TB\*



SSB-MT (1981-2008-STANTON)



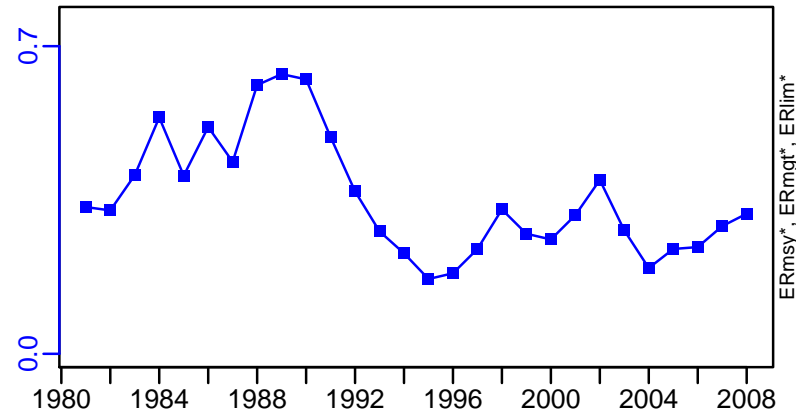
TN \*



F\*



ER-ratio (1981-2008-STANTON)



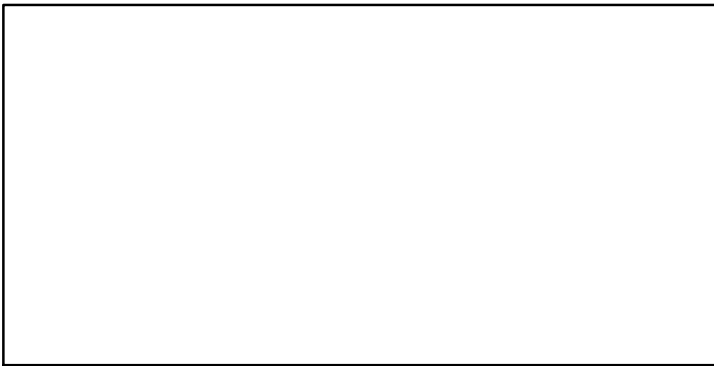
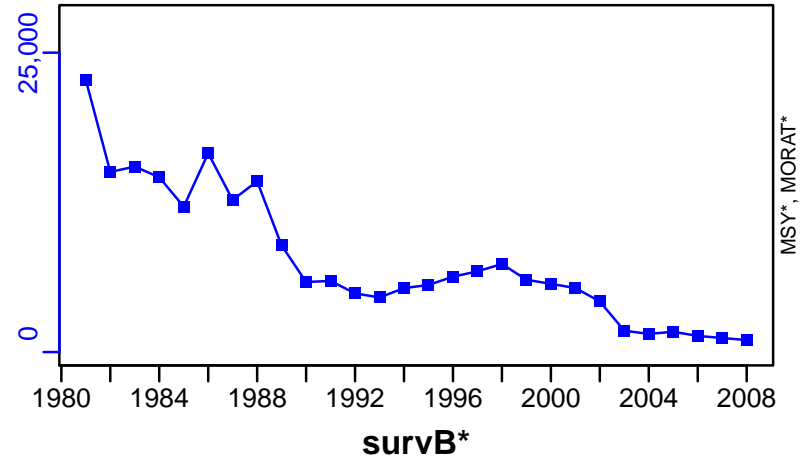
Recruits\*



# Weakfish Atlantic Coast [WEAKFISHATLC]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## White hake Georges Bank / Gulf of Maine [WHAKEGBGOM]

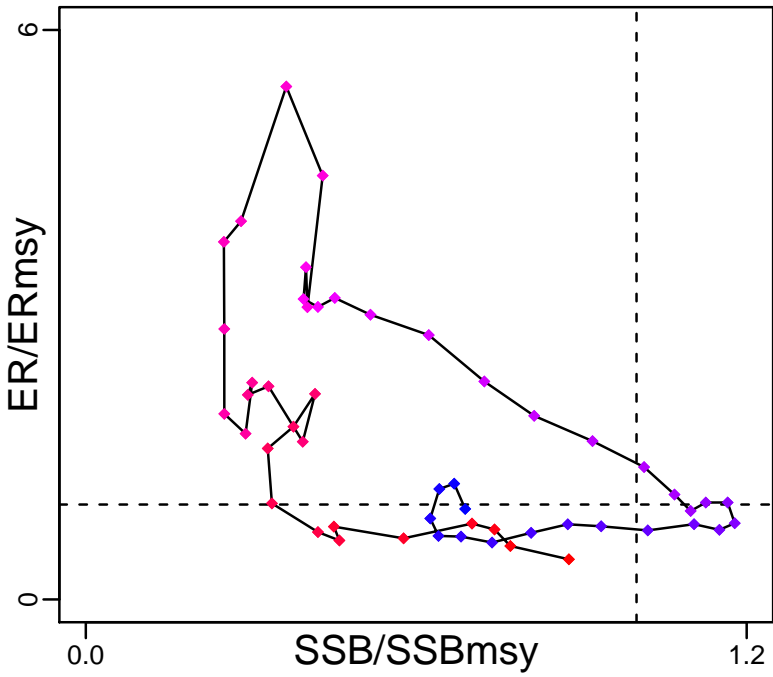
Metadata	
<b>Scientific Name</b>	Urophycis tenuis
<b>Current Assess ID</b>	NEFSC-WHAKEGBGOM-1963-2014-SISIMP2016
<b>Area</b>	Gulf of Maine / Georges Bank
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in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

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

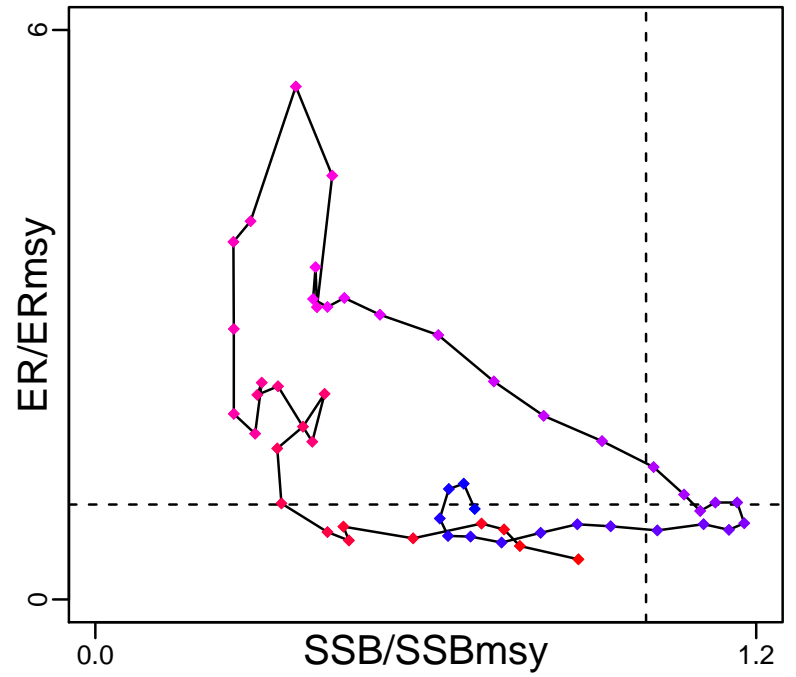
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2011	31,200	-	-
<b>SSB</b>	SSB-MT	2014	28,600	Both	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2014	1,340,000	-	1
<b>F</b>	F-1/yr	2014	0	-	6 to 9+
<b>ER</b>	ER-calc-ratio	2014	0	-	-
<b>TC</b>	TC-MT	2014	2010		
<b>TL</b>	-	-	-		
<b>TB/TBmsy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

# White hake Georges Bank / Gulf of Maine [WHAKEGBGOM]

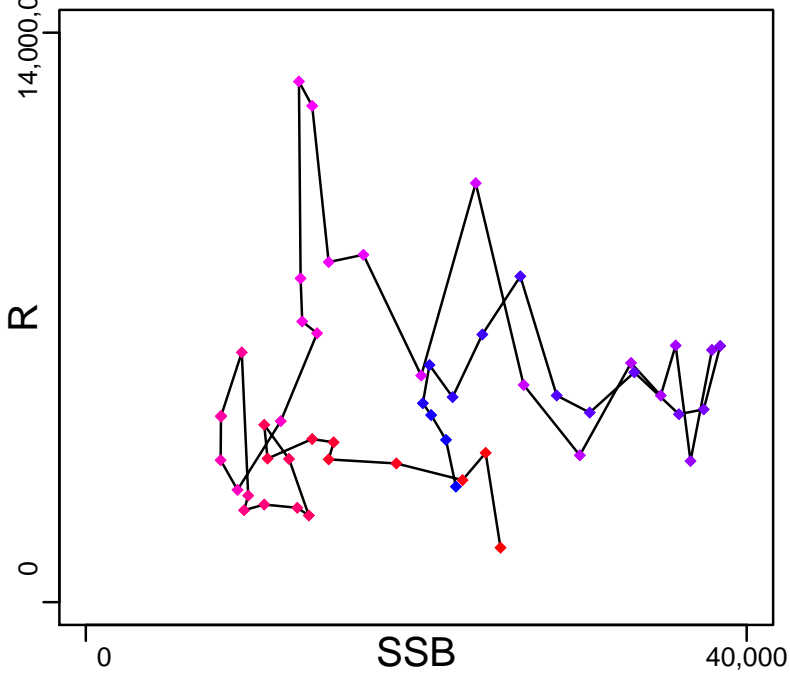
Kobe MSYpref (1963–2014–SISIMP2016)



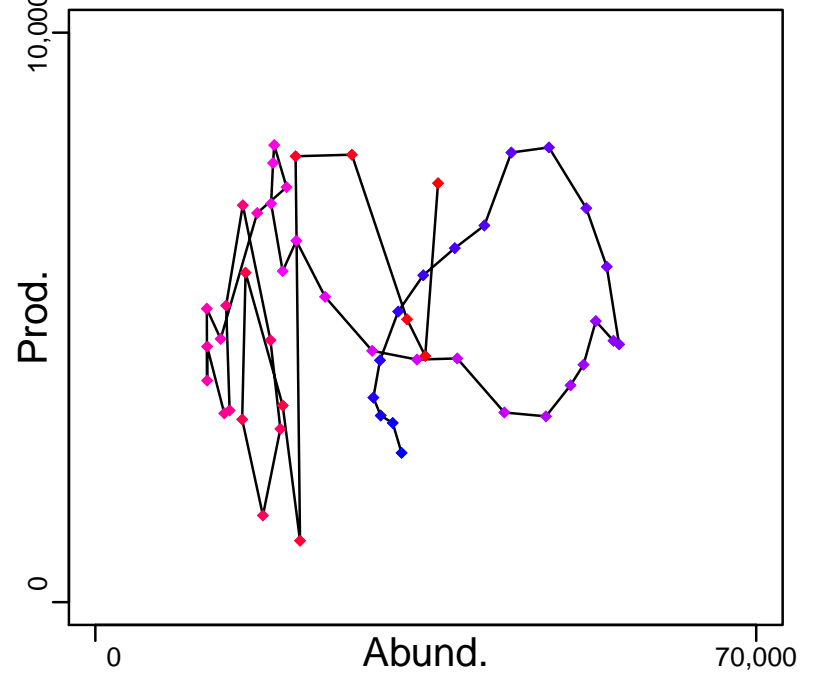
Kobe MGTpref (1963–2014–SISIMP2016)



Spawner Recruit (1963–2014–SISIMP2016)



Production (1963–2014–SISIMP2016)

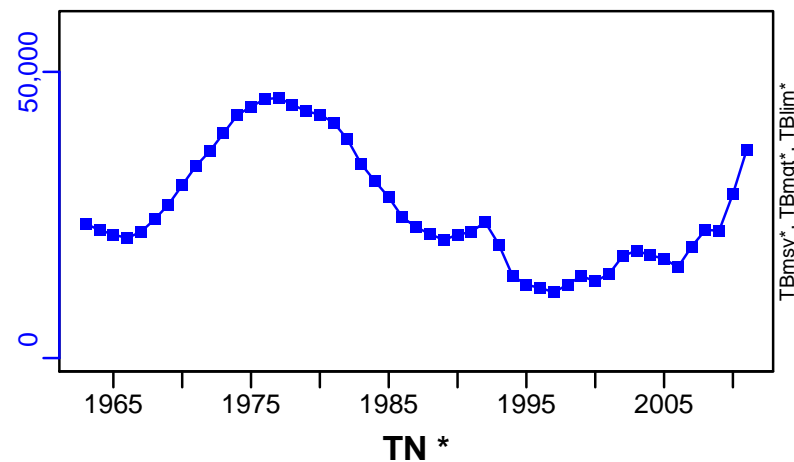


◆ Start Year ◆ End Year \* No Data

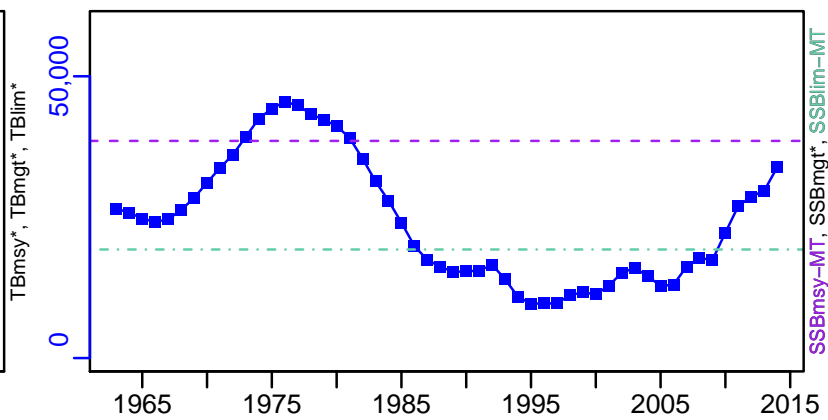


# White hake Georges Bank / Gulf of Maine [WHAKEGBGOM]

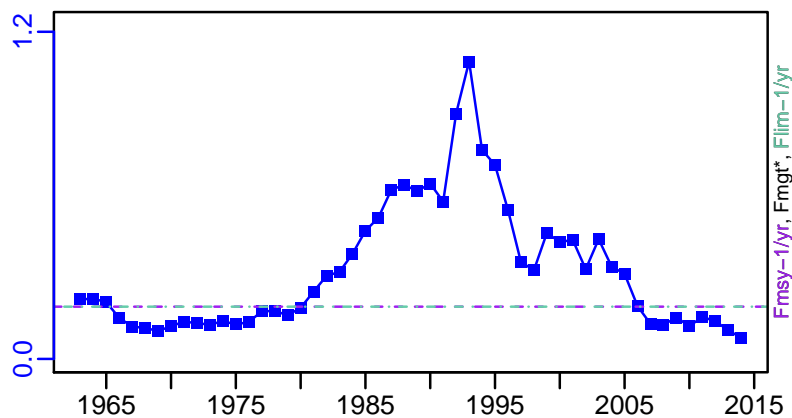
TB-MT (1962–2011–HIVELY)



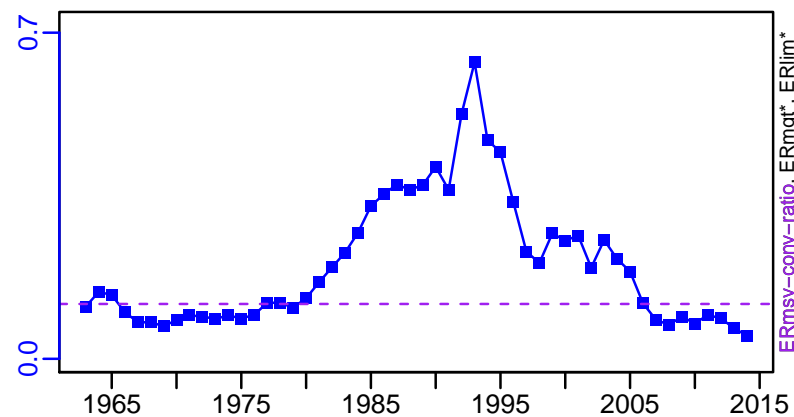
SSB-MT (1963–2014–SISIMP2016)



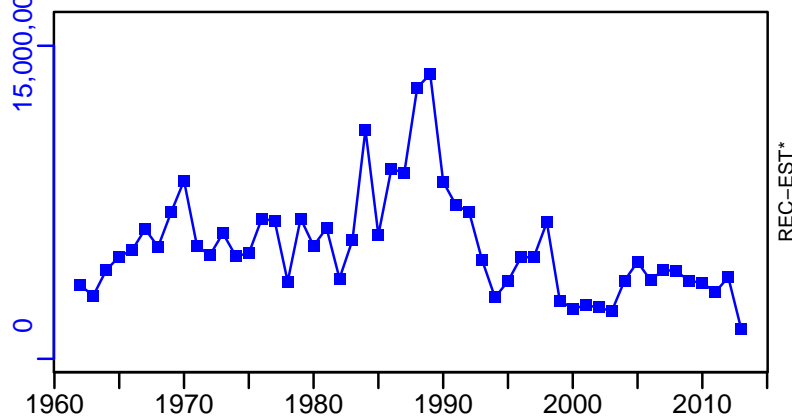
F-1/yr (1963–2014–SISIMP2016)



ER-calc-ratio (1963–2014–SISIMP2016)

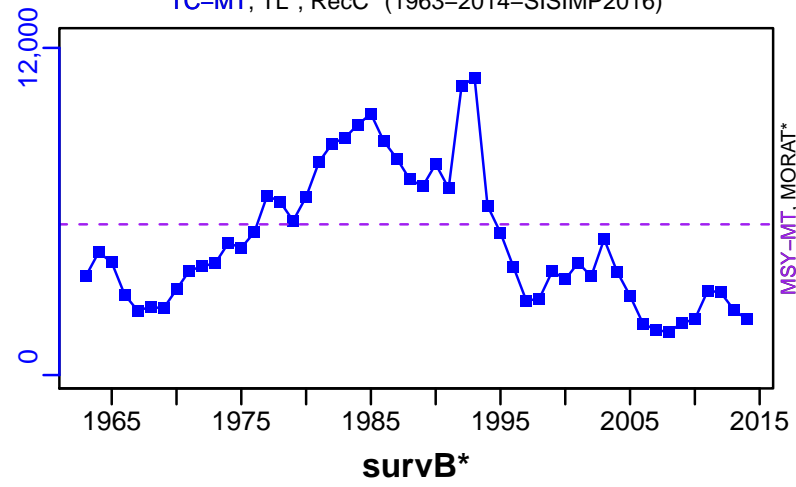


R-E00 (1963–2014–SISIMP2016)



White hake Georges Bank / Gulf of Maine [WHAKEGBGOM]

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



TAC\*, Cpair\*, Cadv\*



CPUE\*



EFFORT\*



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

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

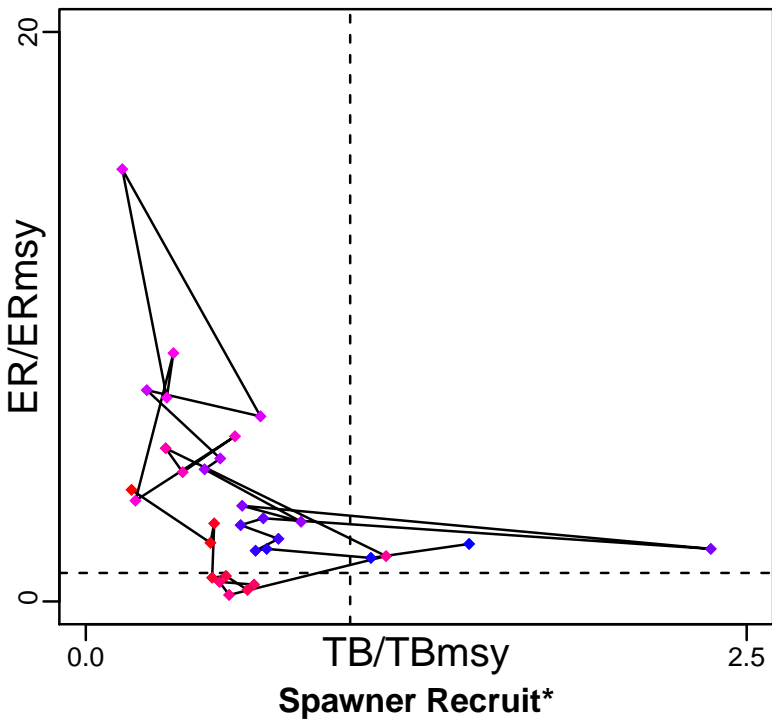
Metadata	
<b>Scientific Name</b>	Scophthalmus aquosus
<b>Current Assess ID</b>	NEFSC-WINDOWGOMGB-1975-2014-SISIMP2016
<b>Area</b>	Gulf of Maine / Georges Bank
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts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

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

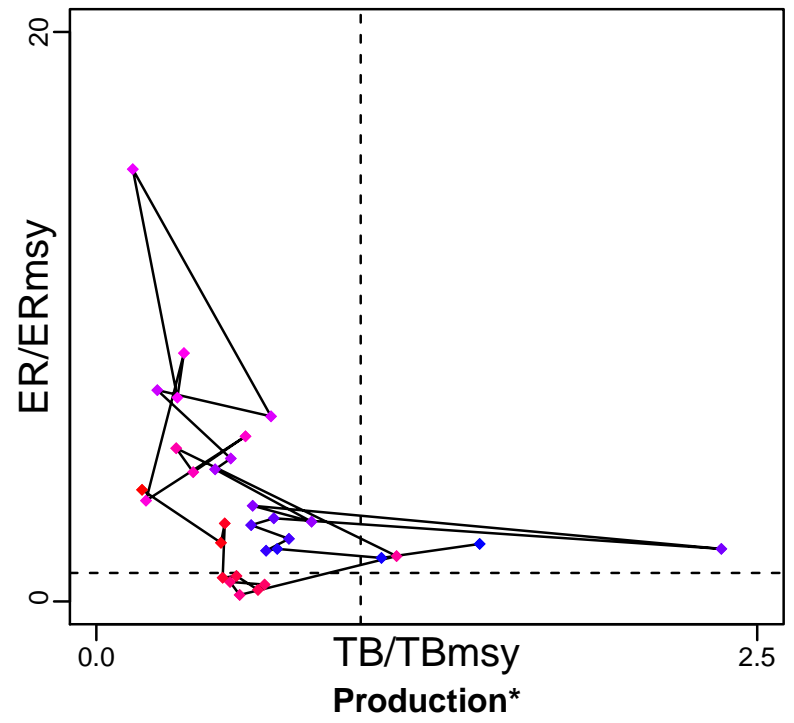
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-relative	2007	0	-	-
<b>SSB</b>	-	-	-	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	-	-	-	-	-
<b>F</b>	-	-	-	-	-
<b>ER</b>	ER-ratio	2007	2	-	-
<b>TC</b>	TC-MT	2014	210		
<b>TL</b>	TL-MT	2007	119		
<b>TB/TBmsy</b>	TB-relative/TBmsy-relative	2007	0.17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

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

Kobe MSYpref (1975–2007–HENDRICKSON)



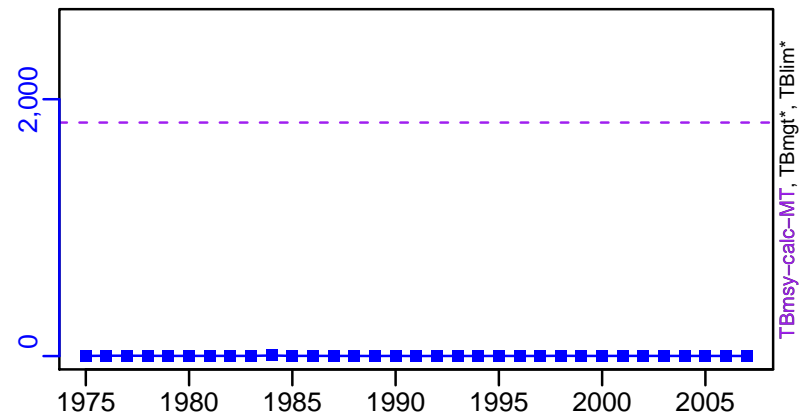
Kobe MGTpref (1975–2007–HENDRICKSON)



◆ Start Year ◆ End Year \* No Data

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

TB–relative (1975–2007–HENDRICKSON)



SSB\*



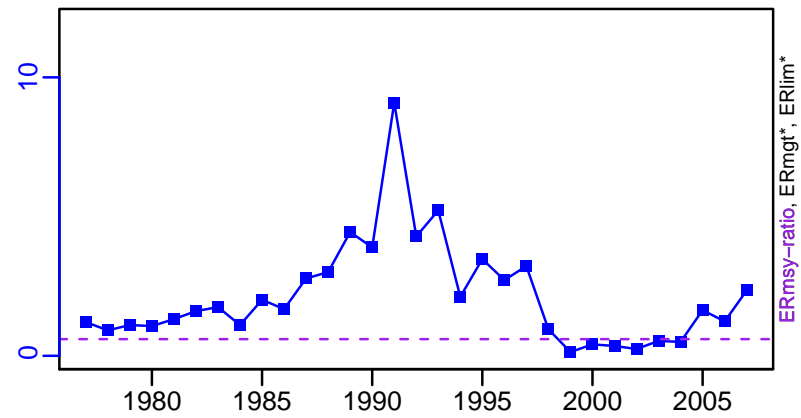
TN \*



F\*



ER–ratio (1975–2007–HENDRICKSON)



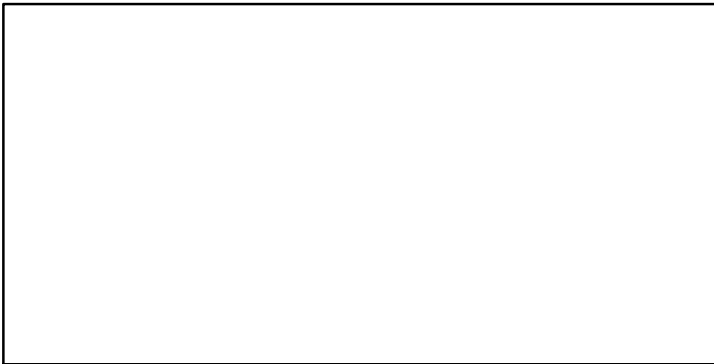
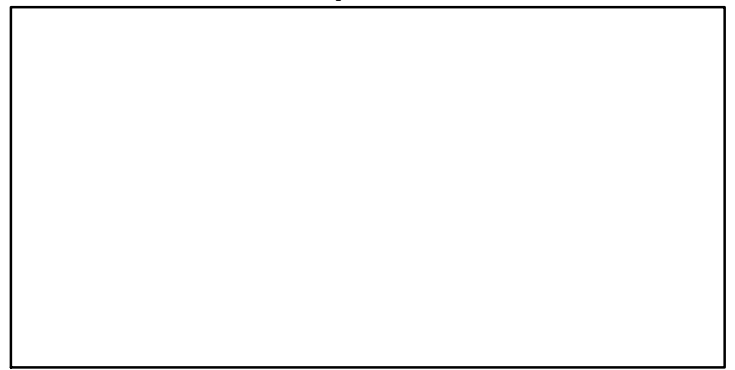
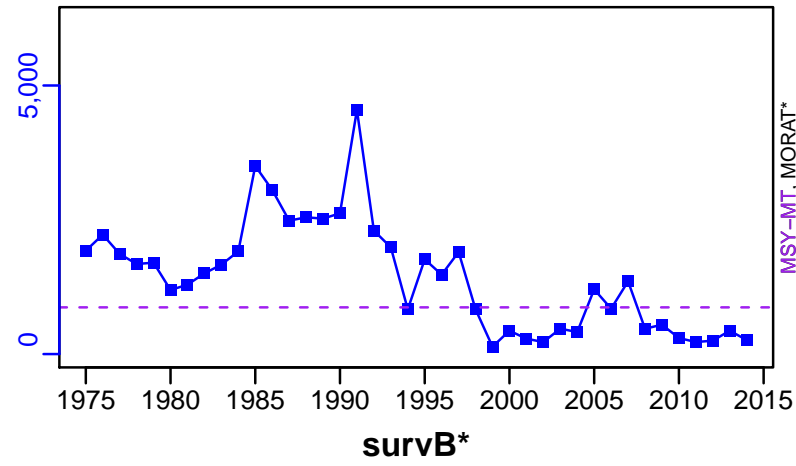
Recruits\*



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

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



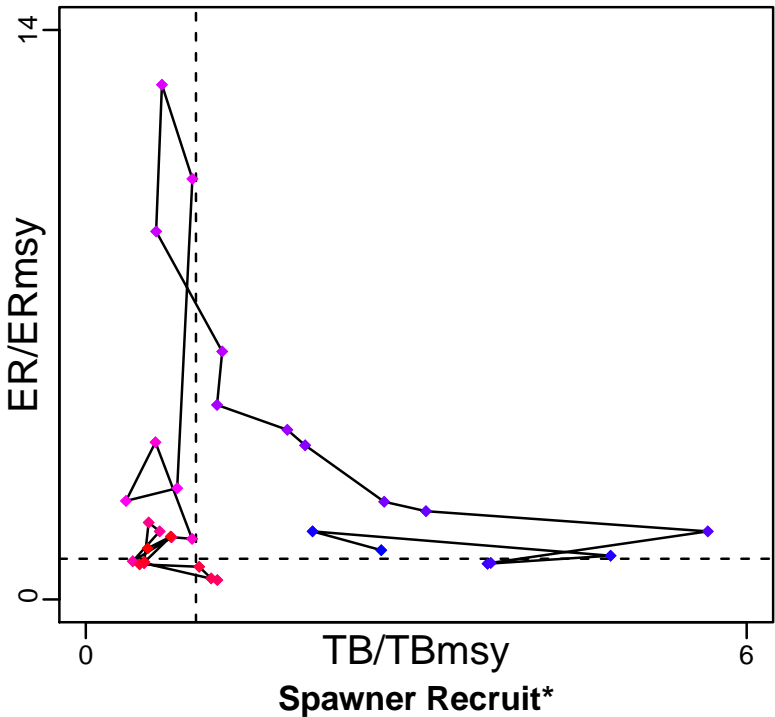
## Windowpane Southern New England-Mid Atlantic [WINDOWSNEMATL]

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

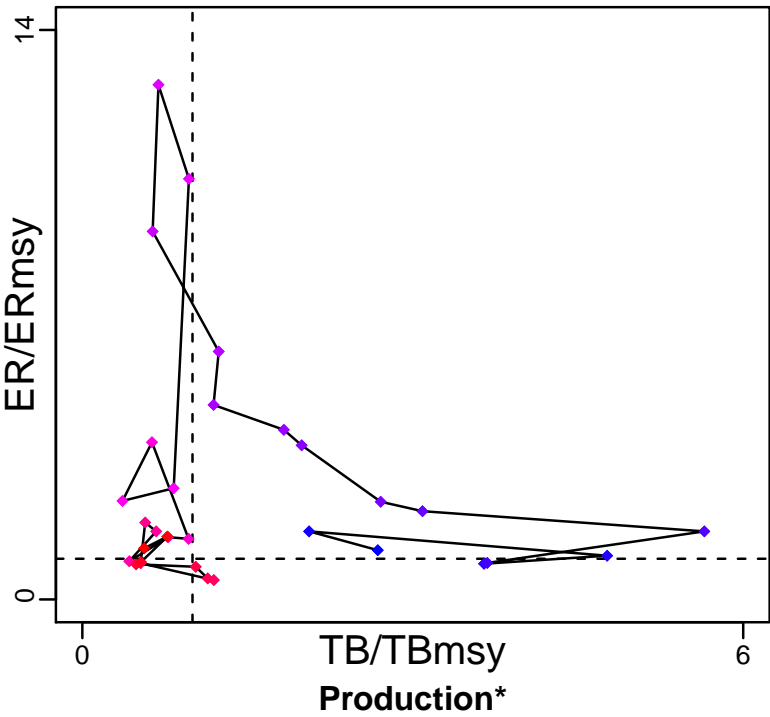
Reference Points			
Type	ID	Asmt Year	Value
<b>TBmsy</b>	TBmsy-calc-MT	2007	340
<b>SSBmsy</b>	-	-	-
<b>Fmsy</b>	-	-	-
<b>ERmsy</b>	ERmsy-ratio	2007	1.47
<b>TBmgt</b>	-	-	-
<b>SSBmgt</b>	-	-	-
<b>Fmgt</b>	-	-	-
<b>ERmgt</b>	-	-	-
<b>TB0</b>	-	-	-
<b>SSB0</b>	-	-	-
<b>MSY</b>	MSY-MT	2014	500
<b>M</b>	M-1/yr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

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

Kobe MSYpref (1975–2007–HENDRICKSON)



Kobe MGTpref (1975–2007–HENDRICKSON)

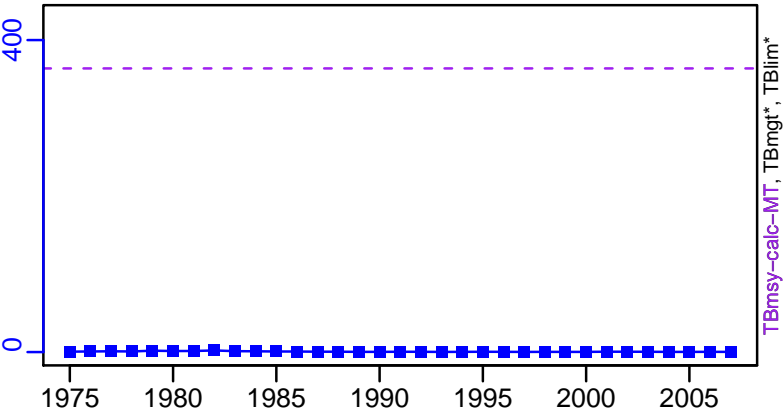


◆ Start Year ◆ End Year \* No Data



Windowpane Southern New England–Mid Atlantic [WINDOWSNEMATL]

TB–relative (1975–2007–HENDRICKSON)



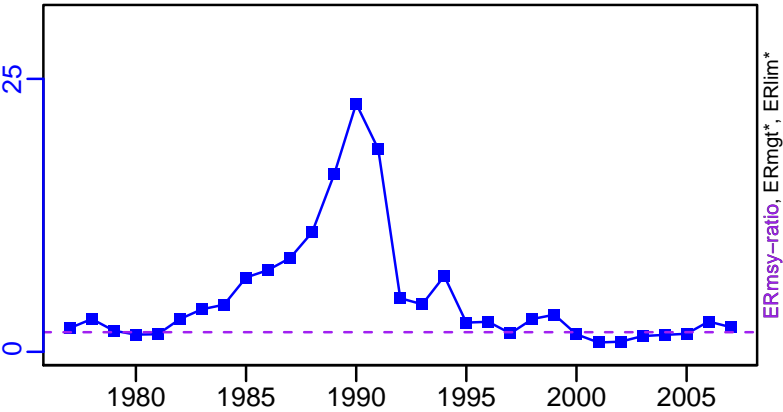
SSB\*



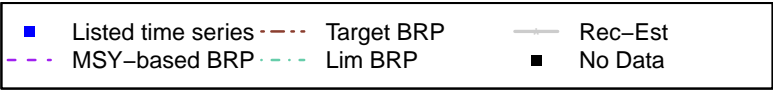
F\*



ER–ratio (1975–2007–HENDRICKSON)

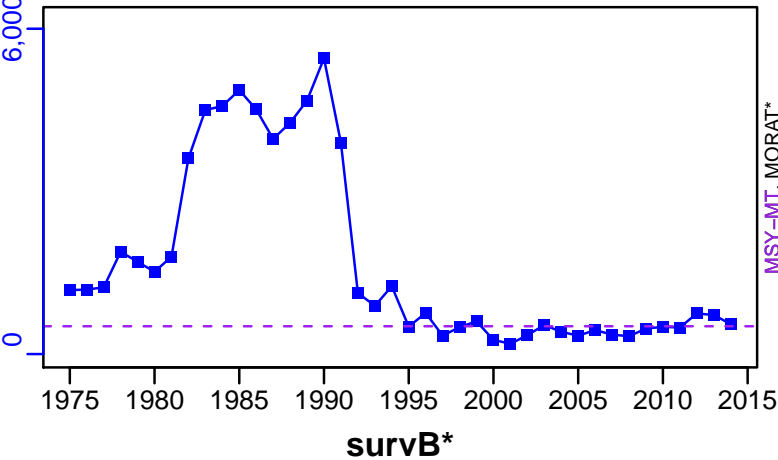


Recruits\*



Windowpane Southern New England–Mid Atlantic [WINDOWSNEMATL]

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



TAC\*, Cpair\*, Cadv\*



CPUE\*



EFFORT\*



## Winter Flounder NAFO-5Z [WINFLOUN5Z]

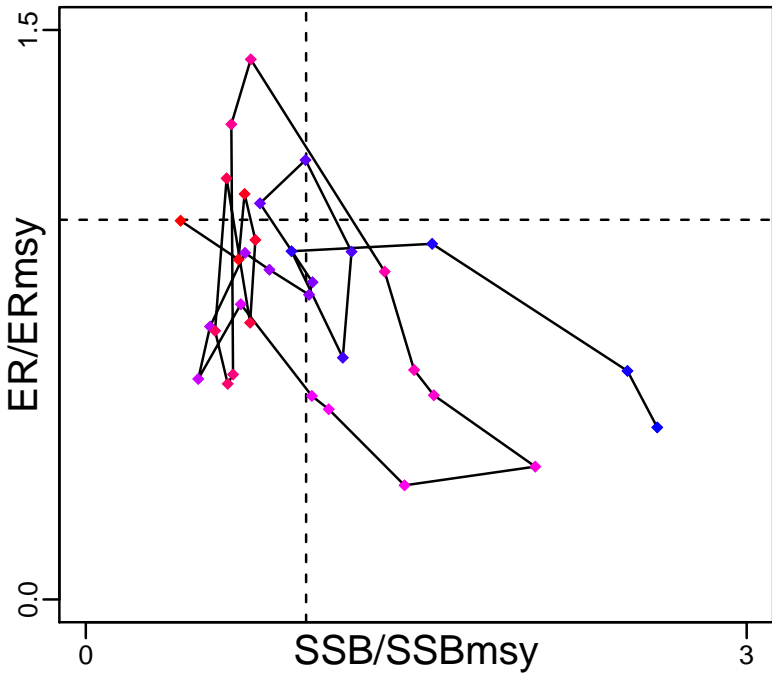
Metadata	
<b>Scientific Name</b>	Pseudopleuronectes americanus
<b>Current Assess ID</b>	NEFSC-WINFLOUN5Z-1982-2014-SISIMP2016
<b>Area</b>	Georges Bank
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in RAM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

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

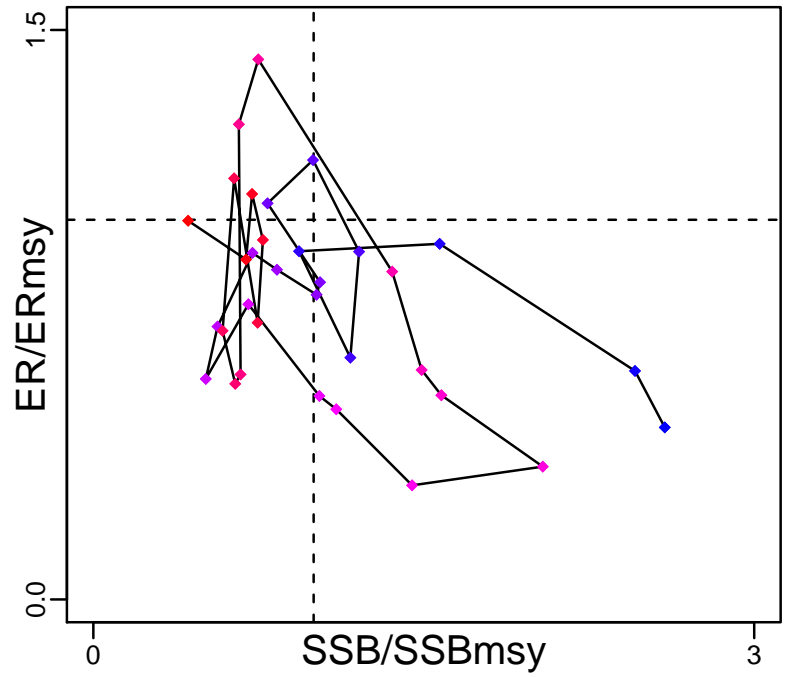
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	-	-	-	-	-
<b>SSB</b>	SSB-MT	2014	2880	-	-
<b>TN</b>	TN-E00	2011	38,600,000	-	-
<b>R</b>	R-E00	2014	6,580,000	-	1
<b>F</b>	F-1/yr	2014	1	-	-
<b>ER</b>	ER-calc-ratio	2014	0	-	-
<b>TC</b>	TC-MT	2014	1220		
<b>TL</b>	TL-MT	2011	1300		
<b>TB/TBmsy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

# Winter Flounder NAFO-5Z [WINFLOUN5Z]

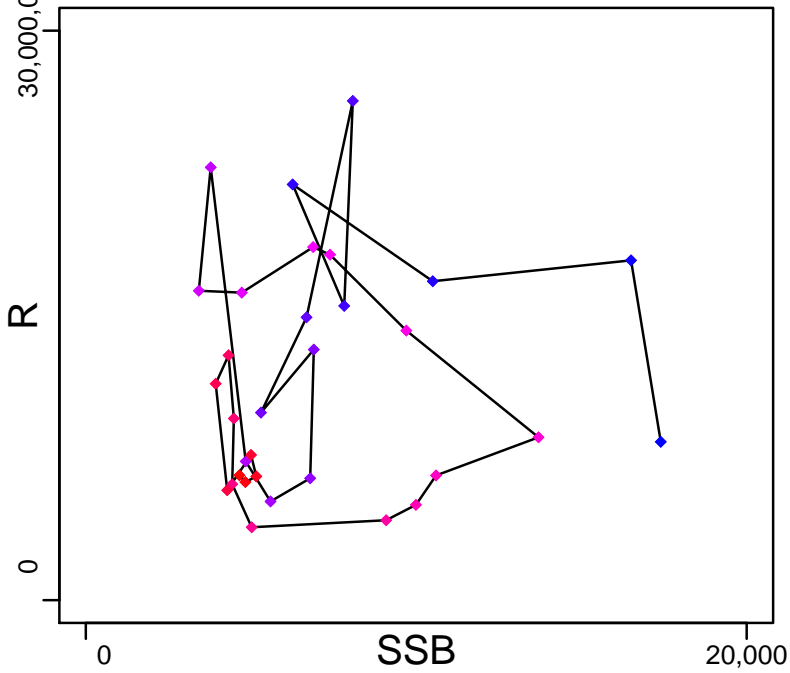
Kobe MSYpref (1982-2014-SISIMP2016)



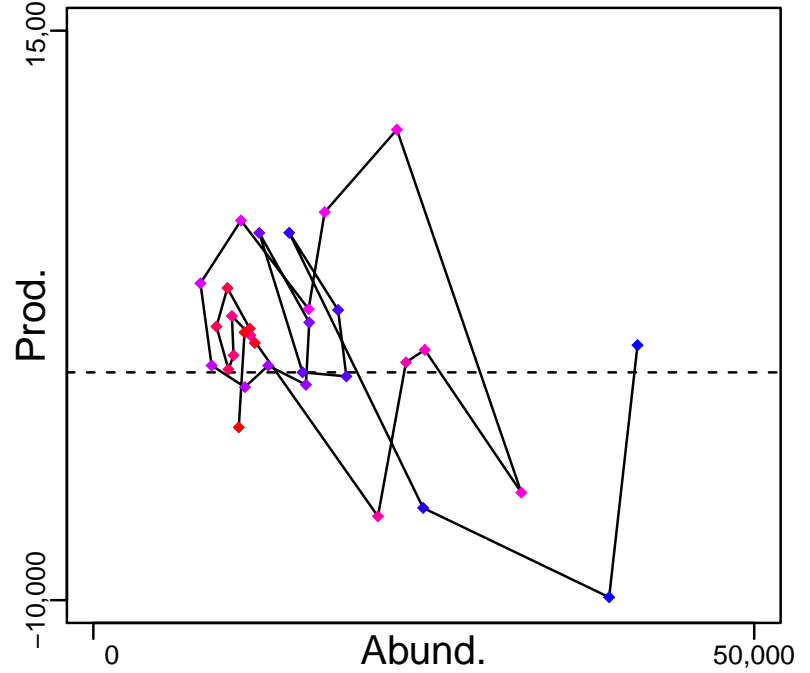
Kobe MGTpref (1982-2014-SISIMP2016)



Spawner Recruit (1982-2014-SISIMP2016)



Production (1982-2014-SISIMP2016)



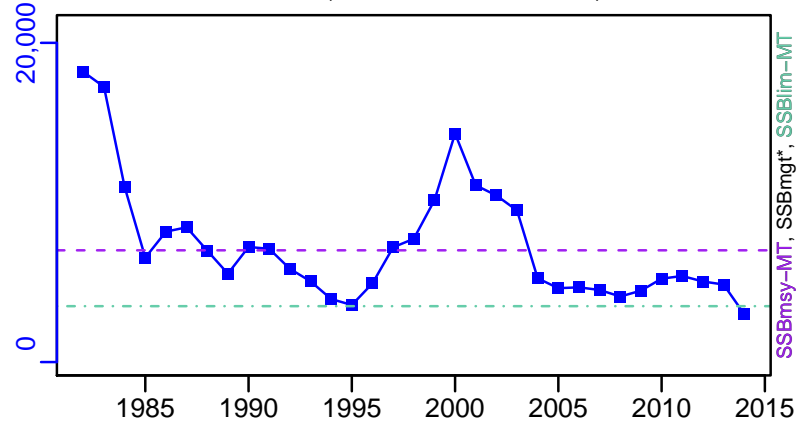
◆ Start Year ◆ End Year \* No Data

# Winter Flounder NAFO-5Z [WINFLOUN5Z]

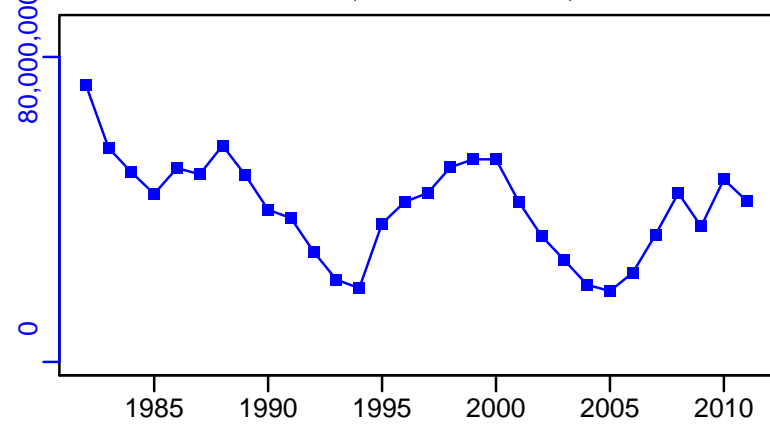
TB\*



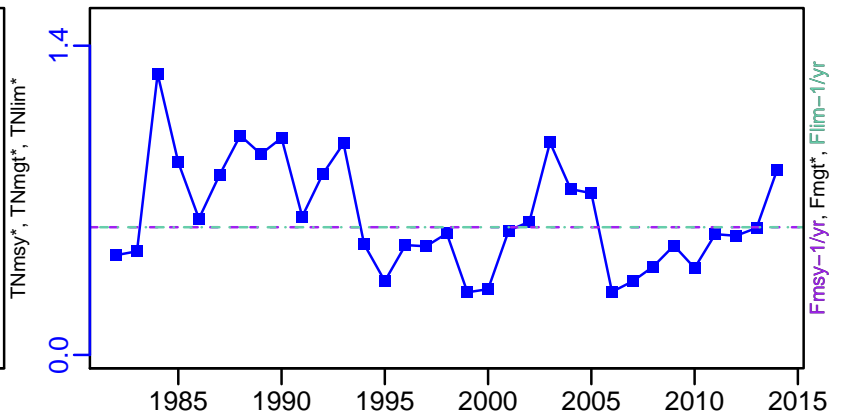
SSB-MT (1982-2014-SISIMP2016)



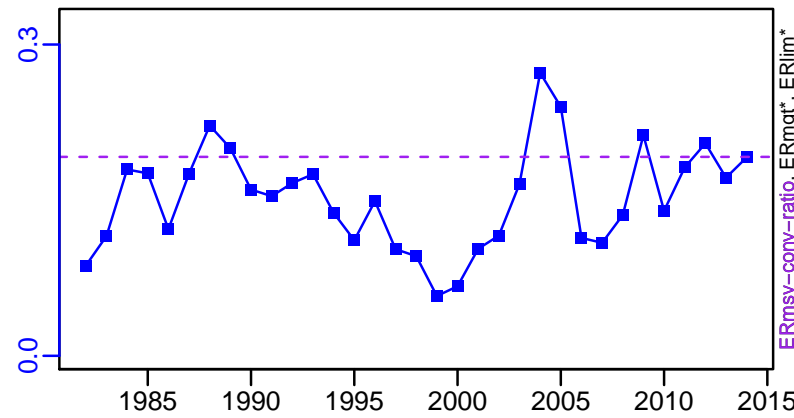
TN-E00 (1964-2011-HIVELY)



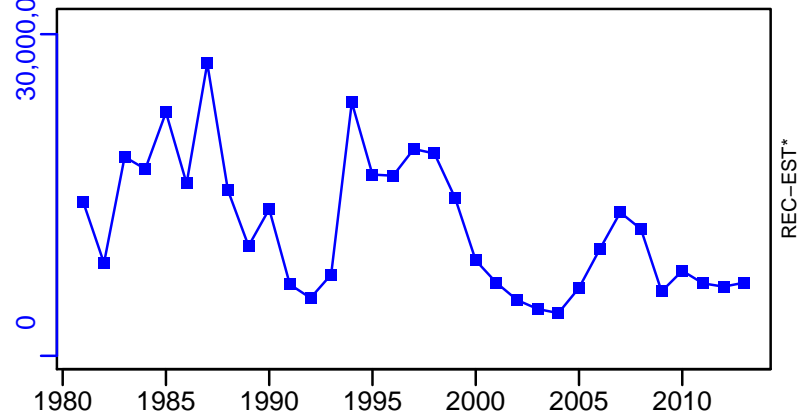
F-1/yr (1982-2014-SISIMP2016)



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



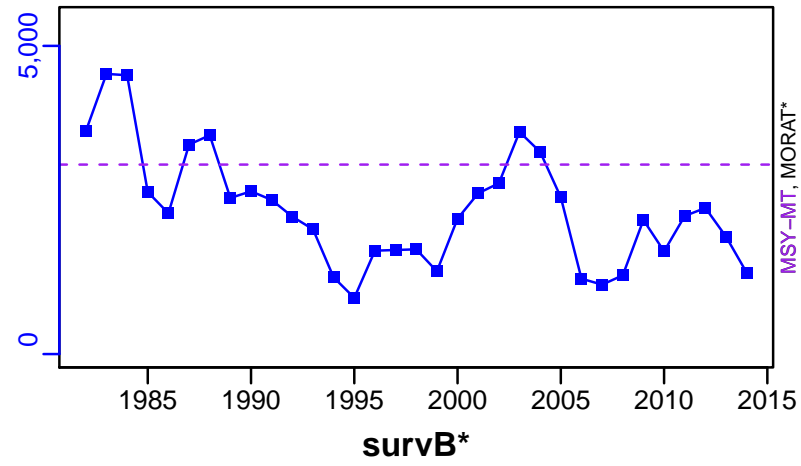
R-E00 (1982-2014-SISIMP2016)



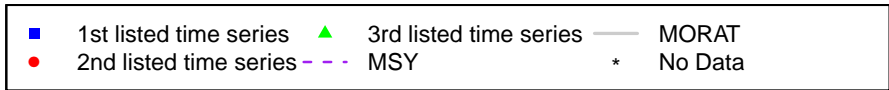
Winter Flounder NAFO-5Z [WINFLOUN5Z]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Winter Flounder NAFO-5Y [WINFLOUND5Y]

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

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2014	275		
TL	TL-MT	2008	260		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY\*



Kobe MGT\*



Spawner Recruit\*



Production\*



◆ Start Year   ◆ End Year   \* No Data



Winter Flounder NAFO-5Y [WINFLOUND5Y]

TB\*



SSB\*



TN \*



F\*



ER\*



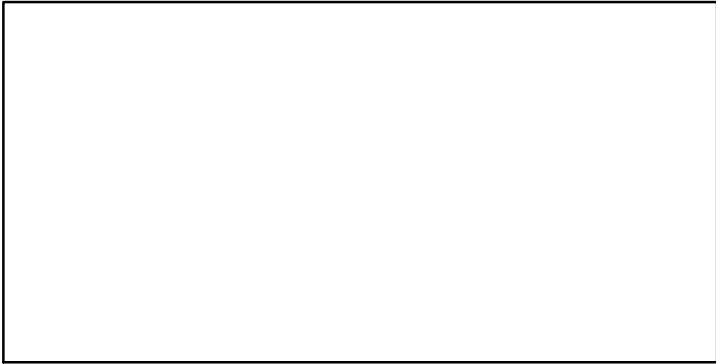
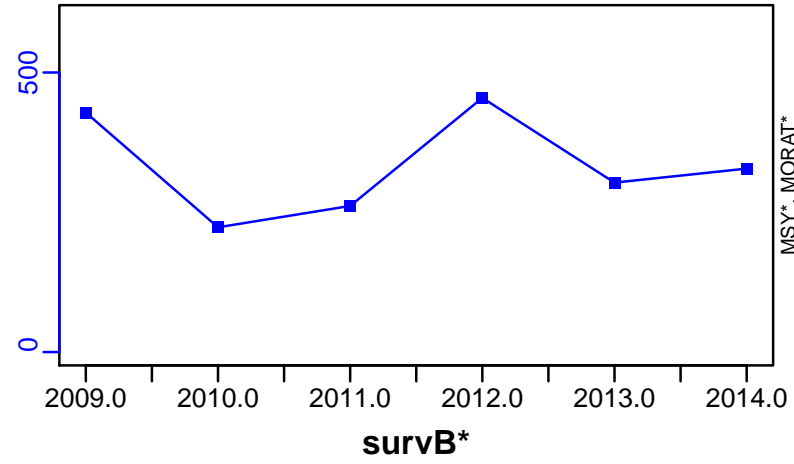
Recruits\*



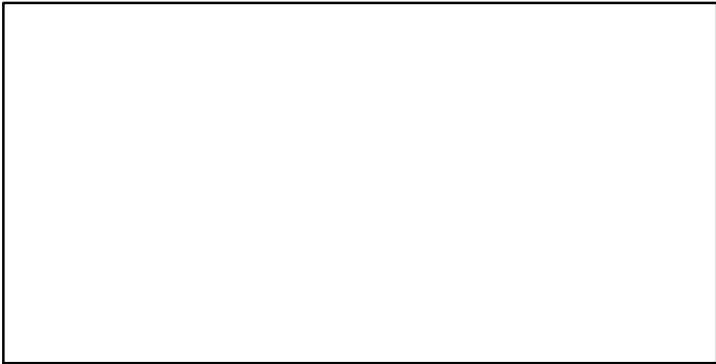
Winter Flounder NAFO-5Y [WINFLOUND5Y]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Winter Flounder Southern New England-Mid Atlantic [WINFLOUNSNEMATL]

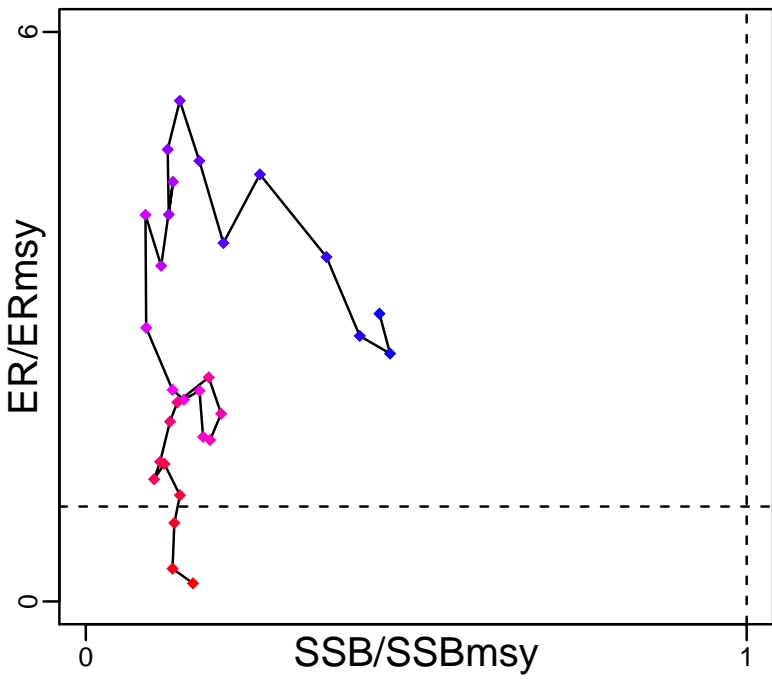
Metadata	
<b>Scientific Name</b>	Pseudopleuronectes americanus
<b>Current Assess ID</b>	NEFSC-WINFLOUNSNEMATL-1980-2013-SISIMP2016
<b>Area</b>	Southern New England /Mid Atlantic
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science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

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

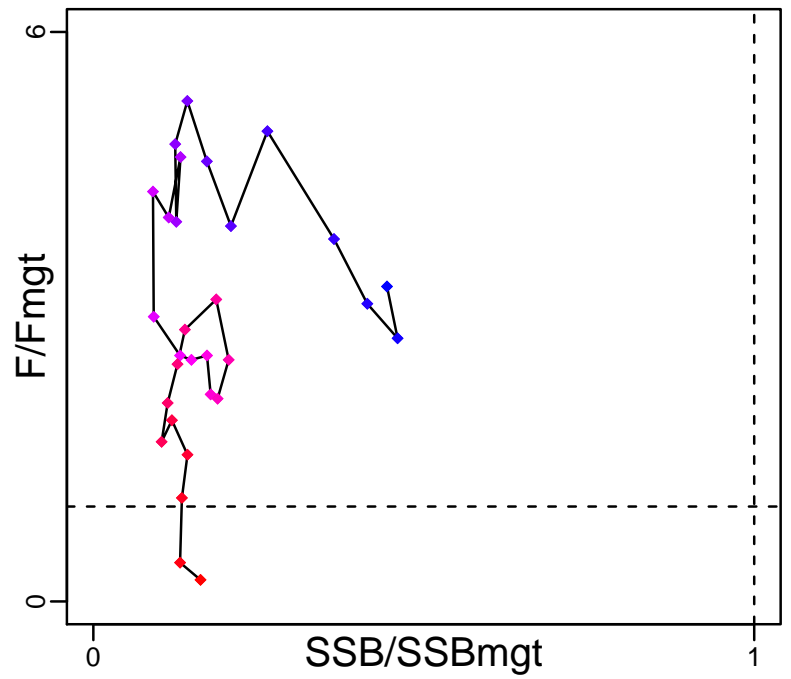
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	-	-	-	-	-
<b>SSB</b>	SSB-MT	2010	7080	-	3+
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2013	4,910,000	-	1
<b>F</b>	F-1/yr	2013	0	-	-
<b>ER</b>	ER-calc-ratio	2010	0	-	-
<b>TC</b>	TC-MT	2013	753		
<b>TL</b>	-	-	-		
<b>TB/TBmsy</b>	-	-	-		
<b>SSB/SSBmsy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

# Winter Flounder Southern New England–Mid Atlantic [WINFLOUNSNEMATL]

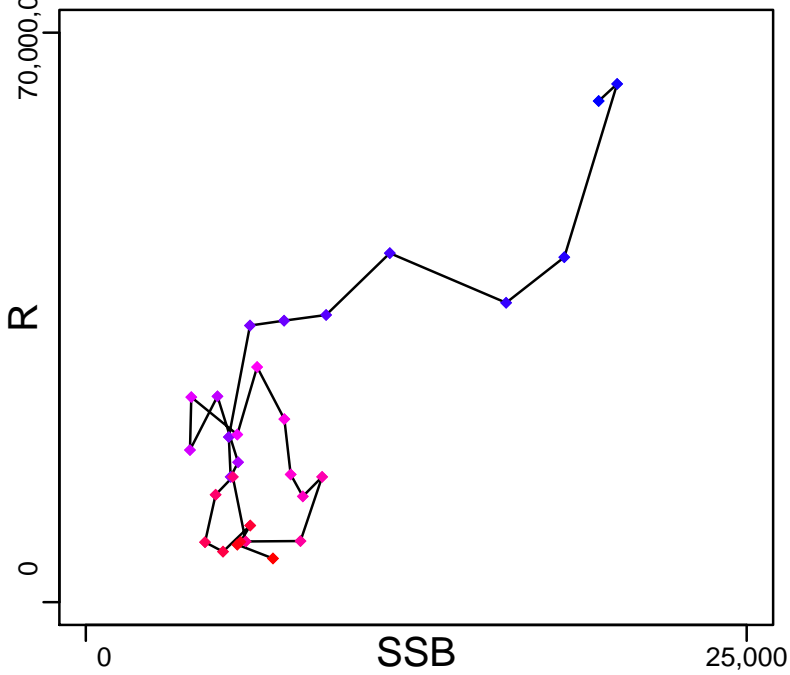
Kobe MSYpref (1980–2010–HIVELY)



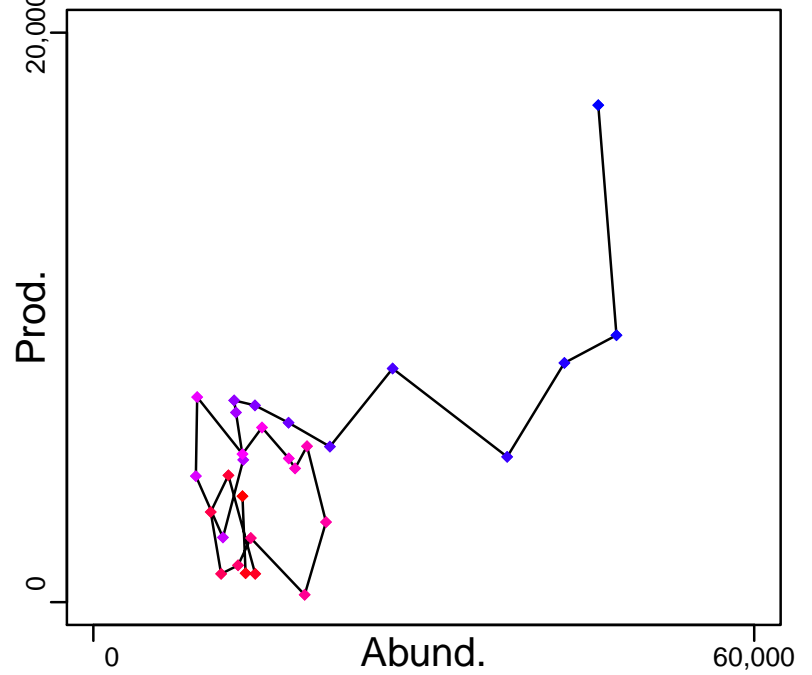
Kobe MGTpref (1980–2010–HIVELY)



Spawner Recruit (1980–2010–HIVELY)



Production (1980–2010–HIVELY)



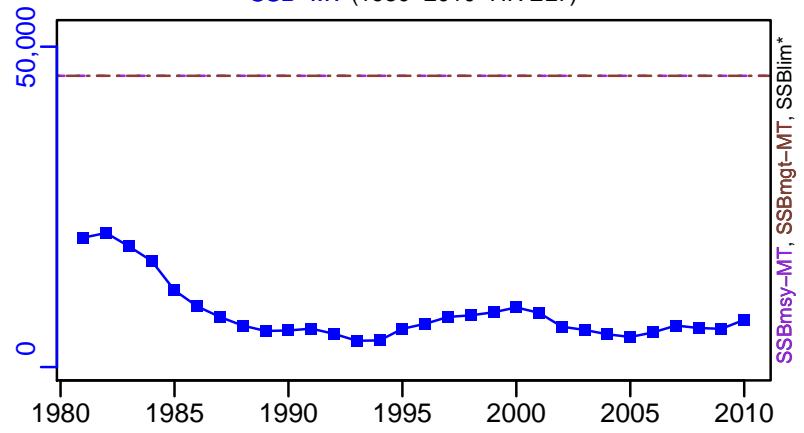
◆ Start Year ◆ End Year \* No Data

# Winter Flounder Southern New England–Mid Atlantic [WINFLOUNSNEMATL]

TB\*



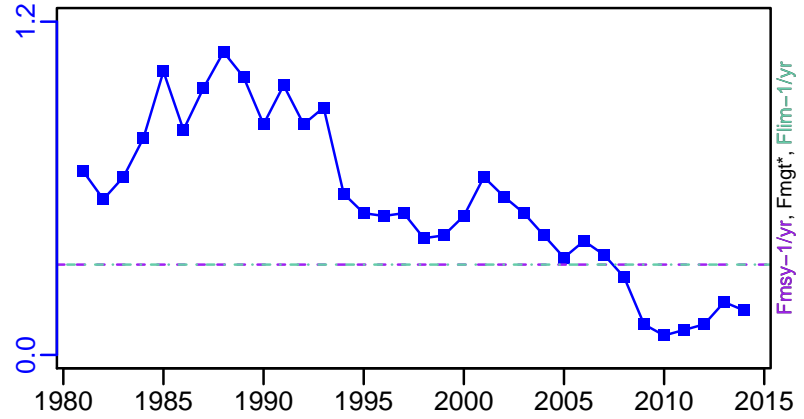
SSB-MT (1980–2010–HIVELY)



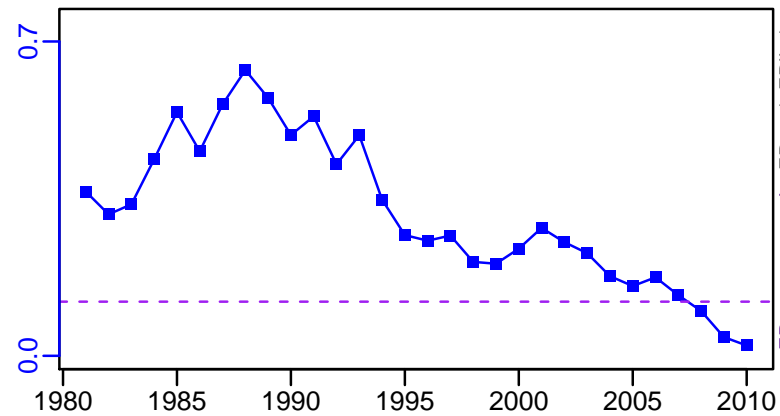
TN \*



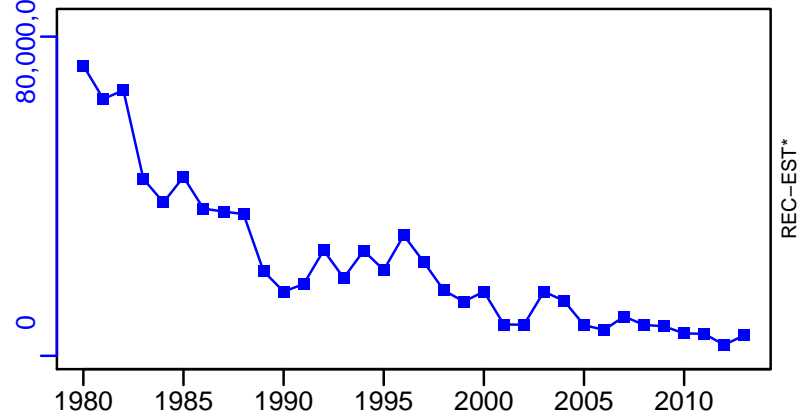
F-1/yr (1980–2013–SISIMP2016)



ER-calc-ratio (1980–2010–HIVELY)



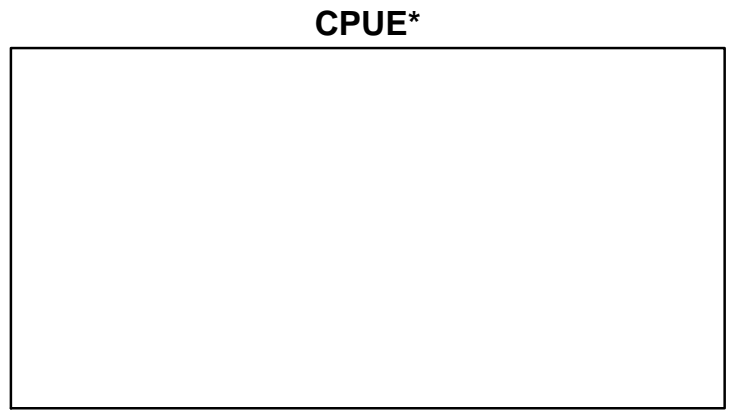
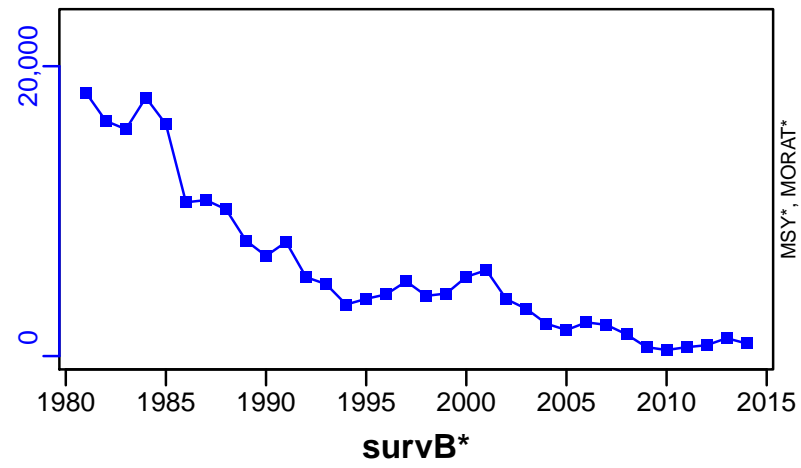
R-E00 (1980–2013–SISIMP2016)



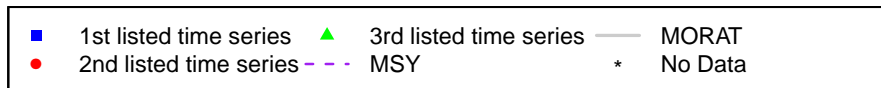
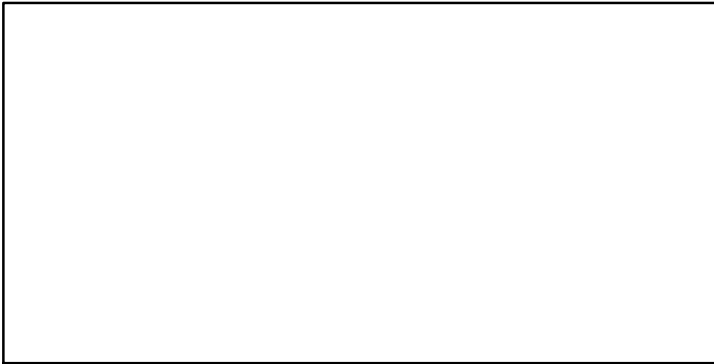
# Winter Flounder Southern New England–Mid Atlantic [WINFLOUNSNEMATL]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Witch Flounder NAFO-5Y [WITFLOUN5Y]

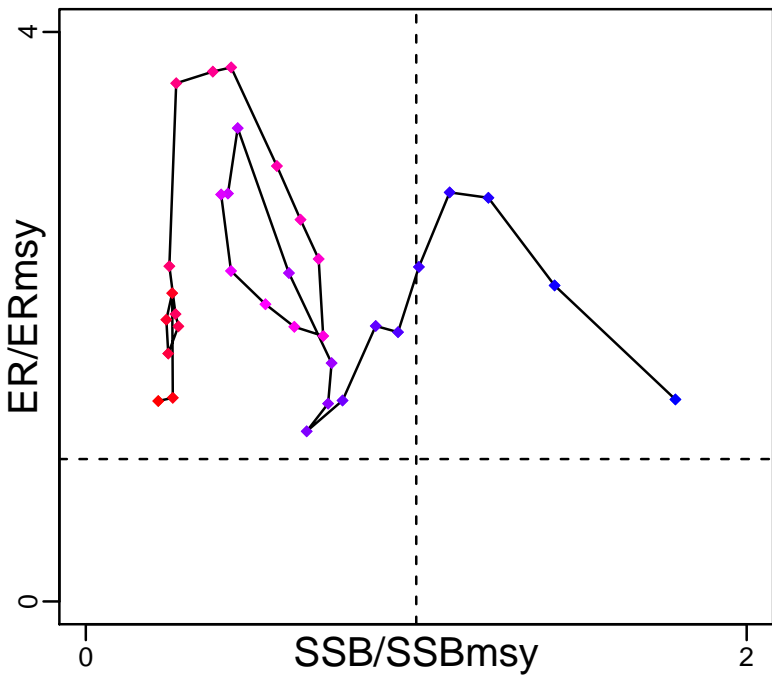
Metadata	
<b>Scientific Name</b>	Glyptocephalus cynoglossus
<b>Current Assess ID</b>	NEFSC-WITFLOUN5Y-1982-2014-SISIMP2016
<b>Area</b>	Gulf of Maine
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in RAM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

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

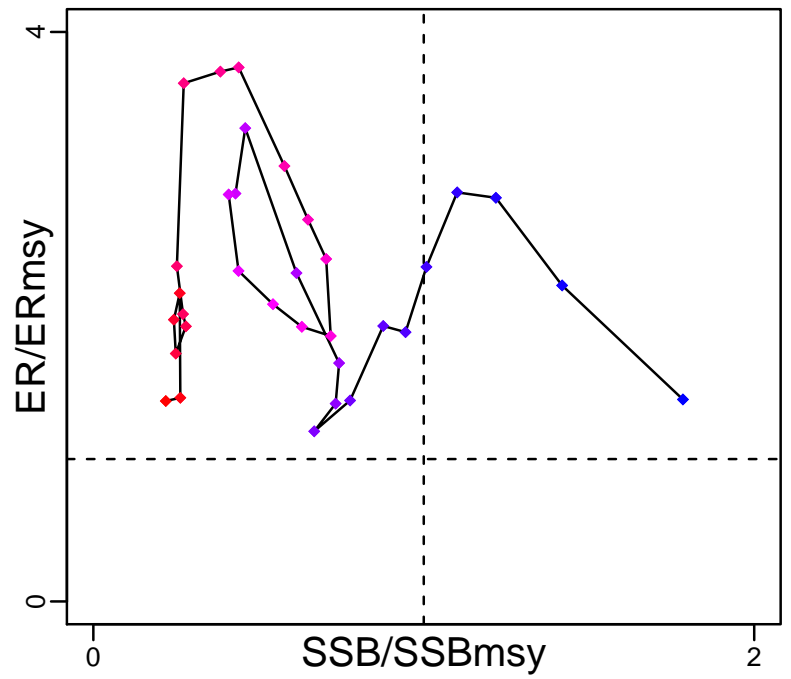
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	-	-	-	-	-
<b>SSB</b>	SSB-MT	2014	2080	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2014	10,200,000	-	3
<b>F</b>	F-1/yr	2014	1	-	-
<b>ER</b>	ER-calc-ratio	2014	0	-	-
<b>TC</b>	TC-MT	2014	604		
<b>TL</b>	TL-MT	2008	1070		
<b>TB/TBmsy</b>	-	-	-	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

# Witch Flounder NAFO-5Y [WITFLOUN5Y]

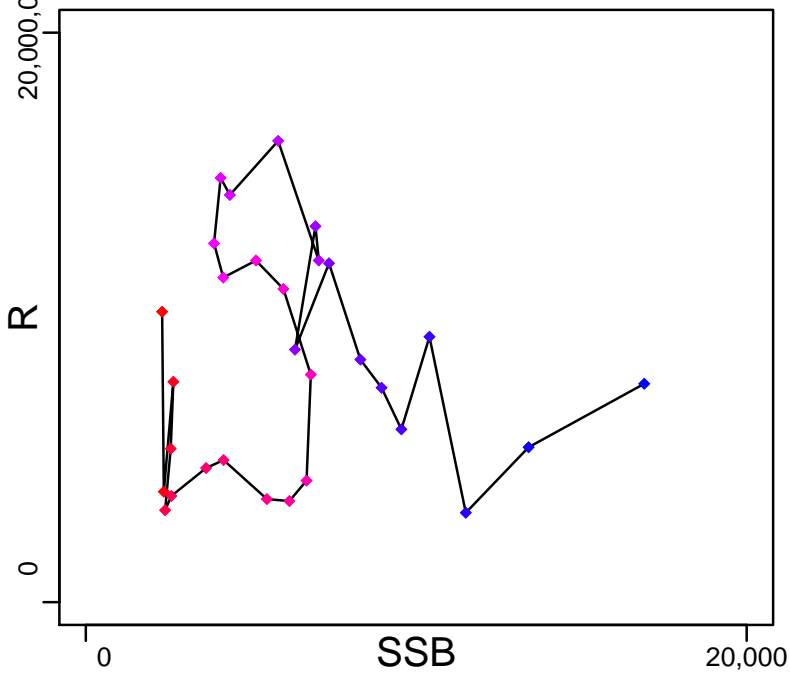
Kobe MSYpref (1982-2014-SISIMP2016)



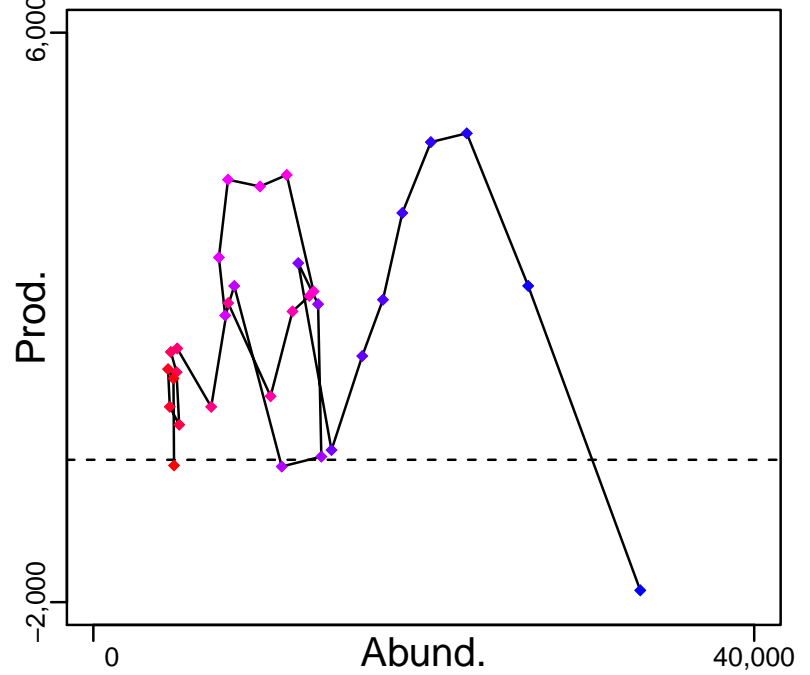
Kobe MGTpref (1982-2014-SISIMP2016)



Spawner Recruit (1982-2014-SISIMP2016)



Production (1982-2014-SISIMP2016)

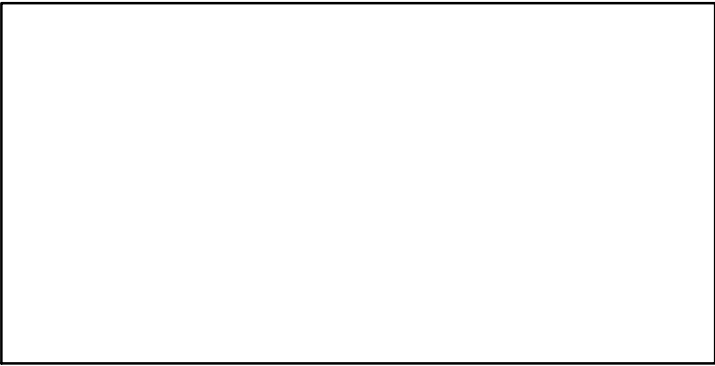


◆ Start Year ◆ End Year \* No Data

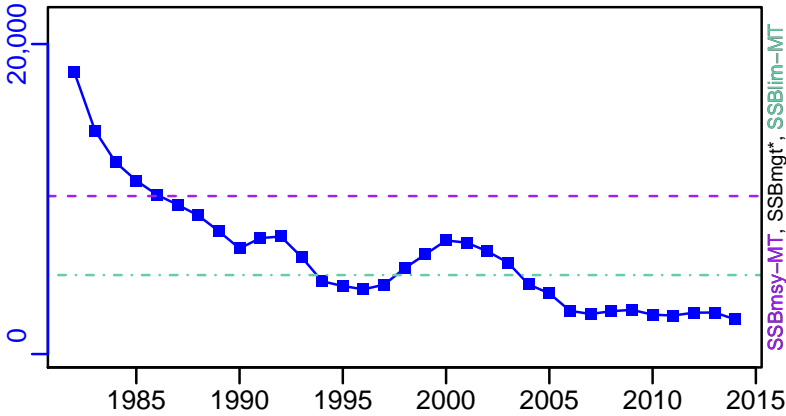


Witch Flounder NAFO-5Y [WITFLOUN5Y]

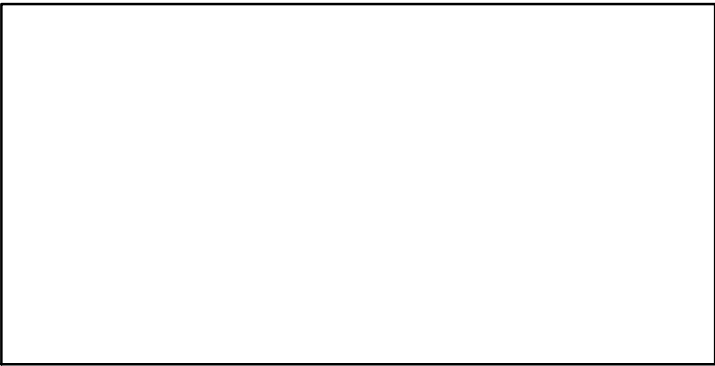
TB\*



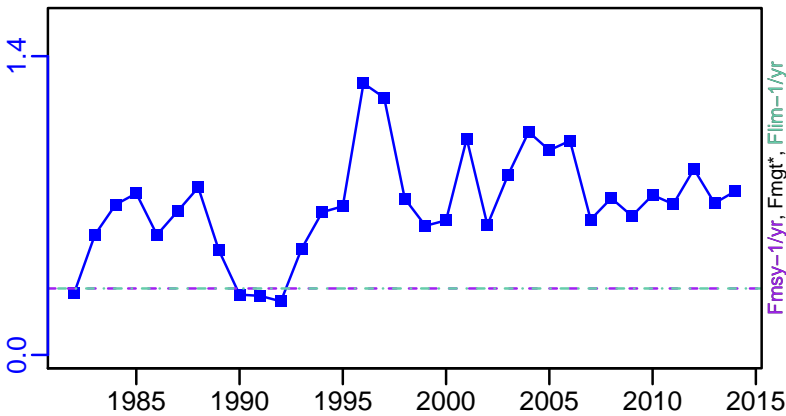
SSB-MT (1982-2014-SISIMP2016)



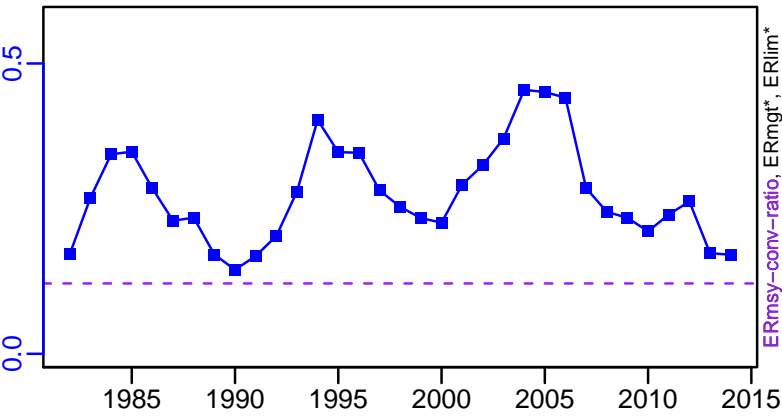
TN \*



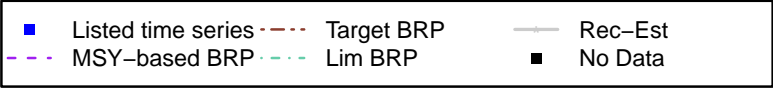
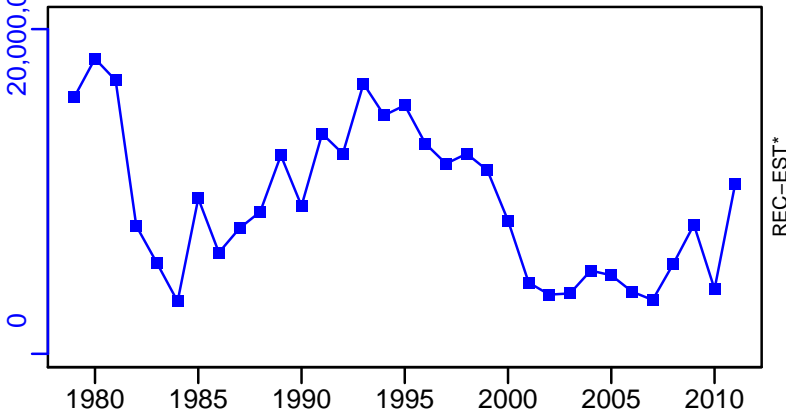
F-1/yr (1982-2014-SISIMP2016)



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

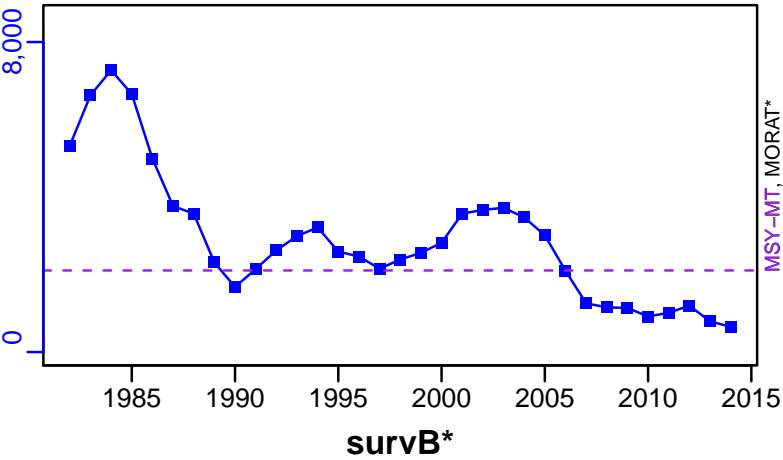


R-E00 (1982-2014-SISIMP2016)



Witch Flounder NAFO-5Y [WITFLOUN5Y]

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



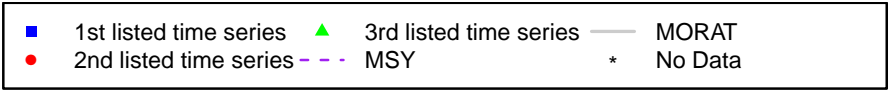
TAC\*, Cpair\*, Cadv\*



CPUE\*



EFFORT\*



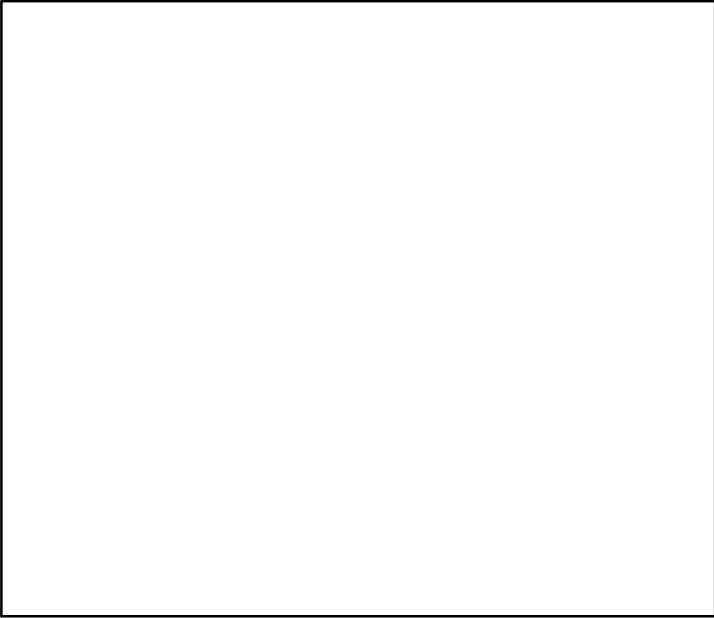
## Winter skate Gulf of Maine / Cape Hatteras [WSKAT5YCHATT]

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

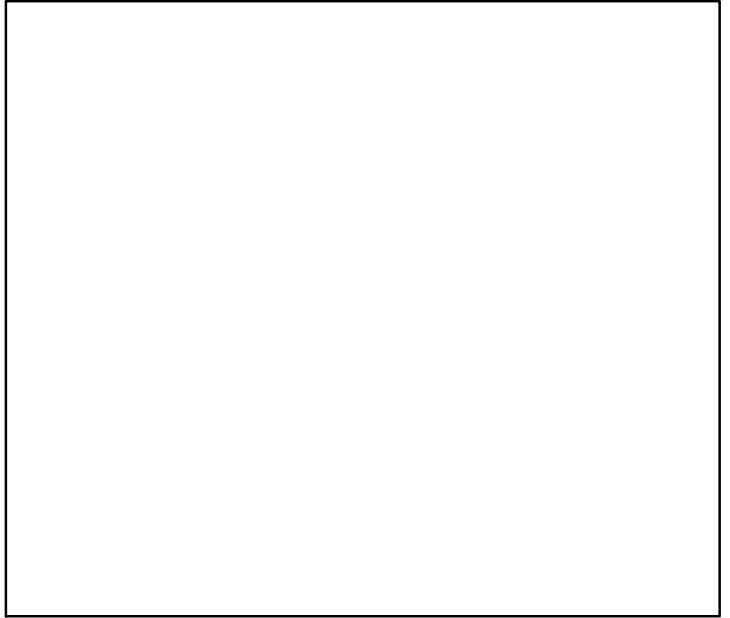
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

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

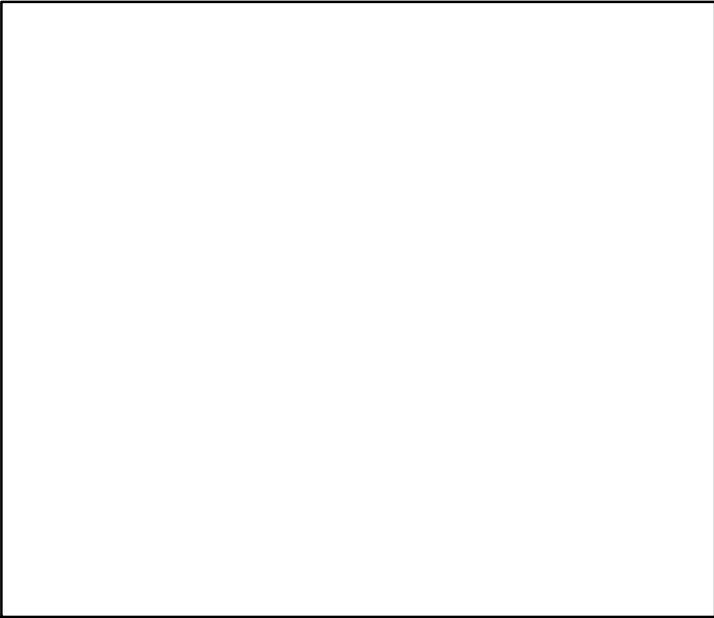
**Kobe MSY\***



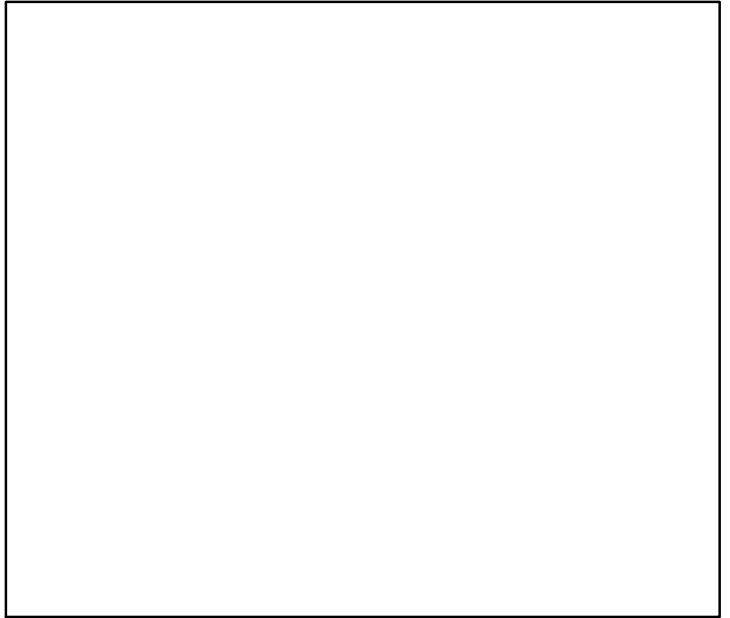
**Kobe MGT\***



**Spawner Recruit\***



**Production\***



◆ Start Year   ◆ End Year   \* No Data

TB\*



SSB\*



TN \*



F\*



ER\*

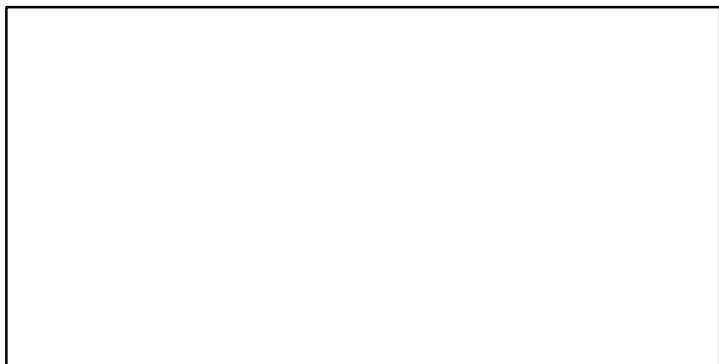


Recruits\*

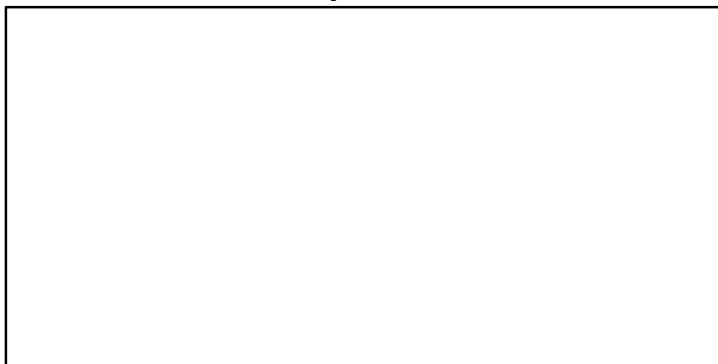


Winter skate Gulf of Maine / Cape Hatteras [WSKAT5YCHATT]

TC\*, TL\*, RecC\*



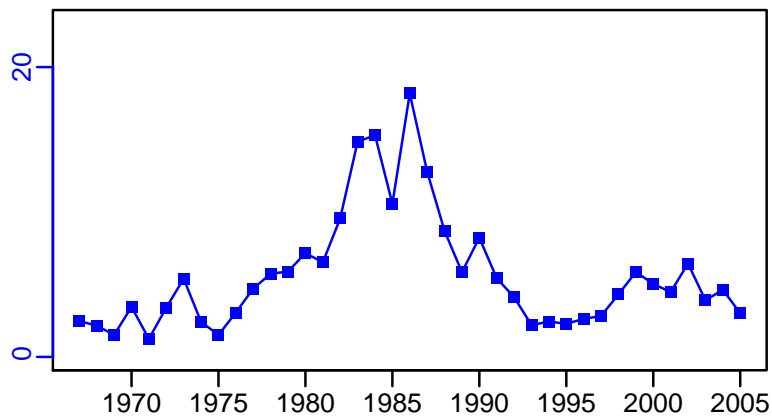
TAC\*, Cpair\*, Cadv\*



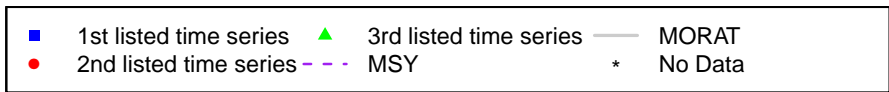
survB\*



CPUE-kgpertow (1967-2005-SOSEBEE)



EFFORT\*



## Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]

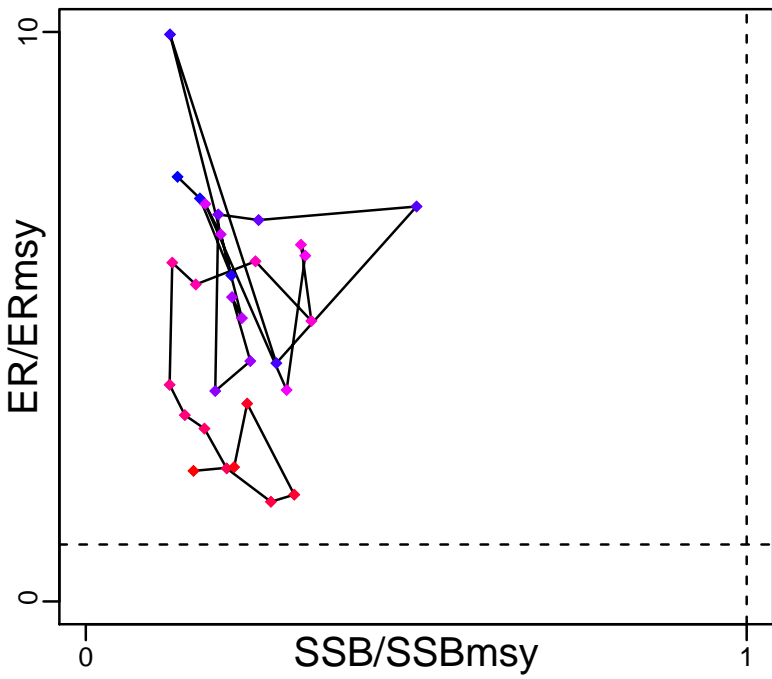
Metadata	
<b>Scientific Name</b>	Limanda ferruginea
<b>Current Assess ID</b>	NEFSC-YELLCCODGOM-1985-2014-SISIMP2016
<b>Area</b>	Cape Cod / Gulf of Maine
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in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

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

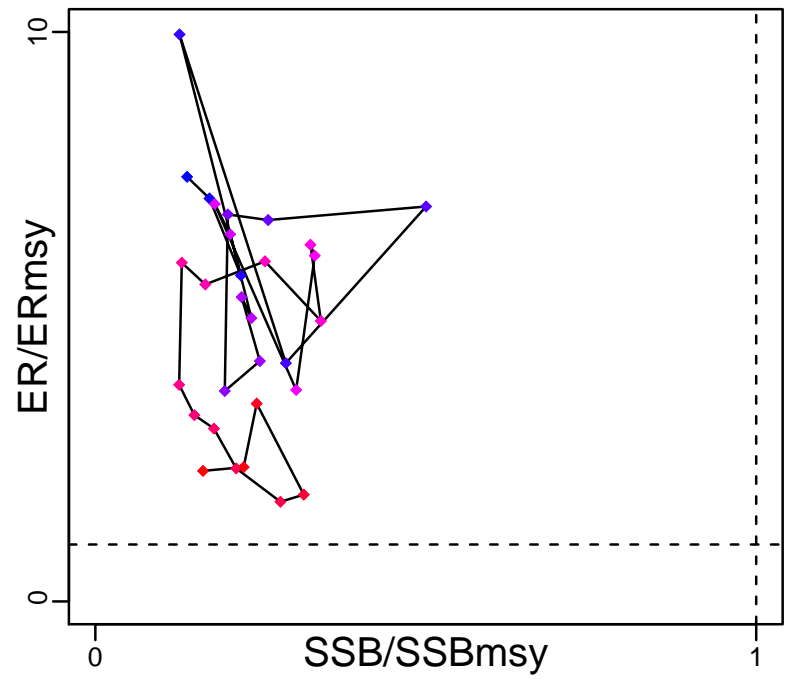
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	-	-	-	-	-
<b>SSB</b>	SSB-MT	2014	857	-	-
<b>TN</b>	TN-E00	2008	16,900,000	-	-
<b>R</b>	R-E00	2014	10,300,000	-	1
<b>F</b>	F-1/yr	2014	1	-	-
<b>ER</b>	ER-calc-ratio	2014	0	-	-
<b>TC</b>	TC-MT	2014	480		
<b>TL</b>	-	-	-		
<b>TB/TBmsy</b>	-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

# Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]

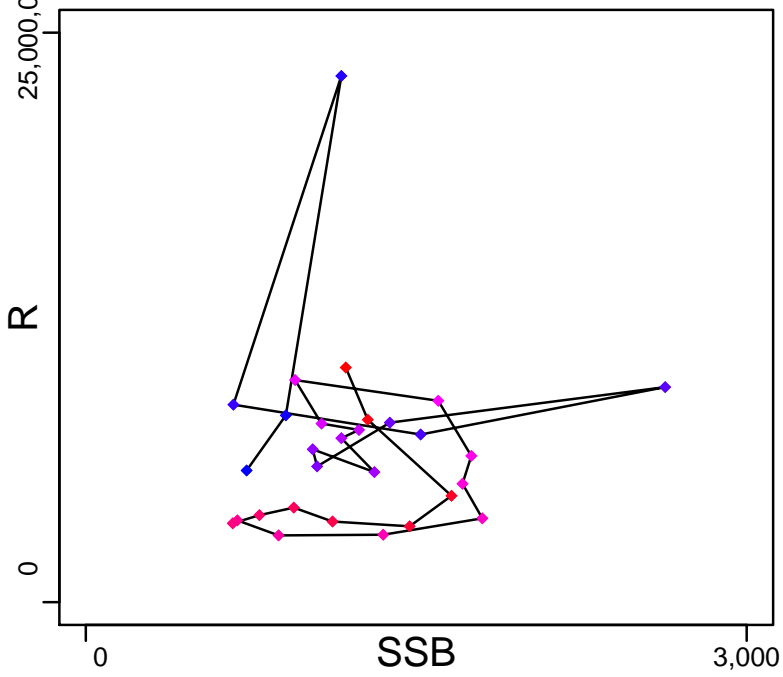
Kobe MSYpref (1985–2014–SISIMP2016)



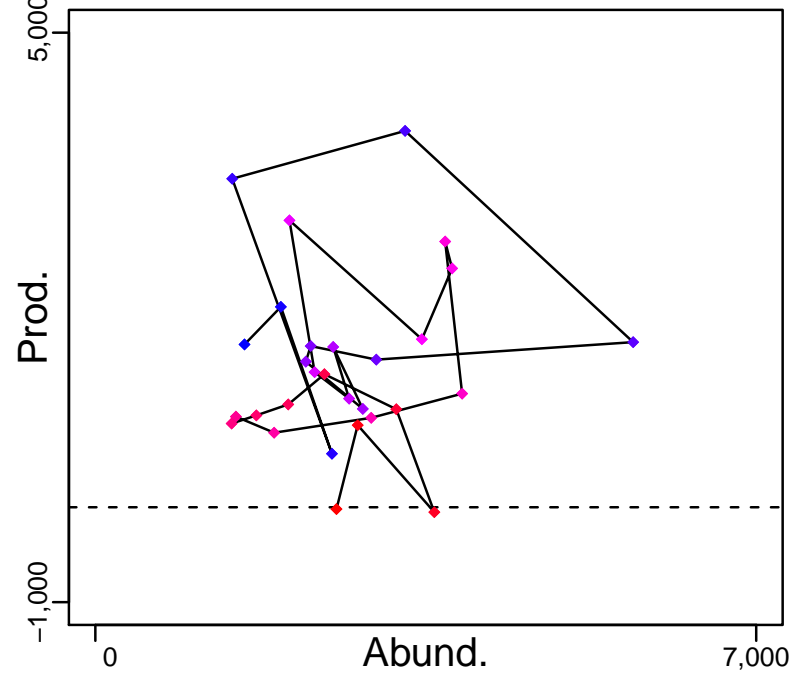
Kobe MGTpref (1985–2014–SISIMP2016)



Spawner Recruit (1985–2014–SISIMP2016)



Production (1985–2014–SISIMP2016)



◆ Start Year ◆ End Year \* No Data

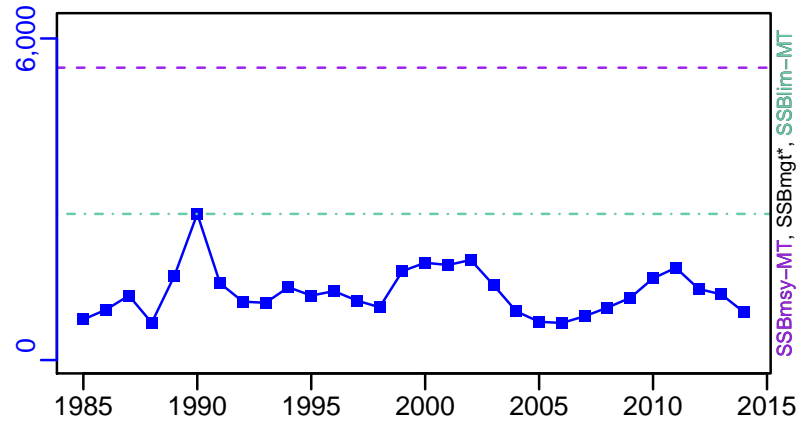


# Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]

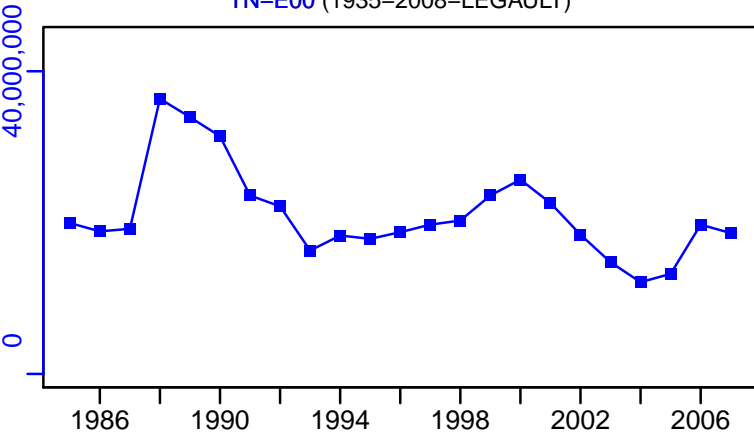
TB\*



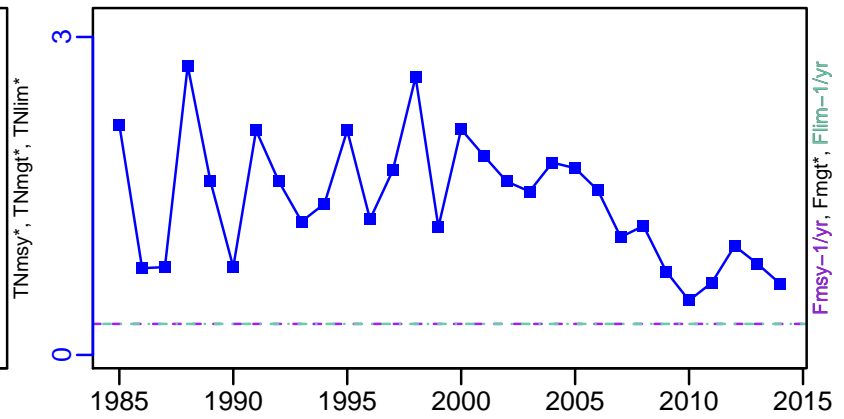
SSB-MT (1985–2014–SISIMP2016)



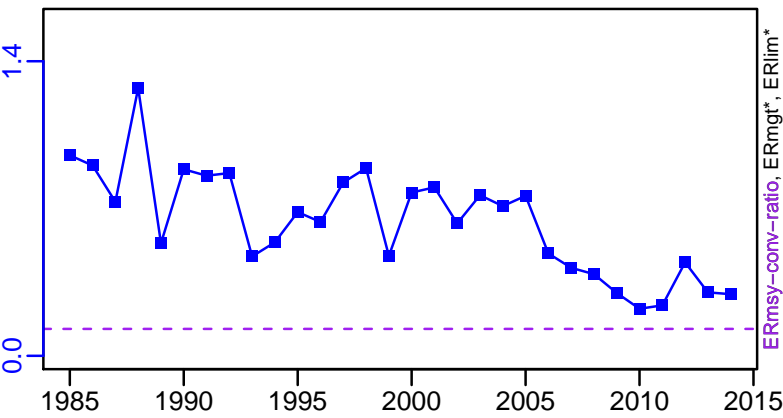
TN-E00 (1935–2008–LEGAULT)



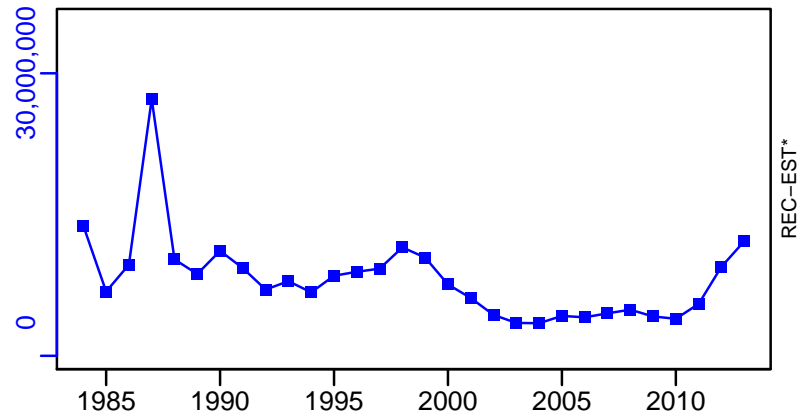
F-1/yr (1985–2014–SISIMP2016)



ER-calc-ratio (1985–2014–SISIMP2016)



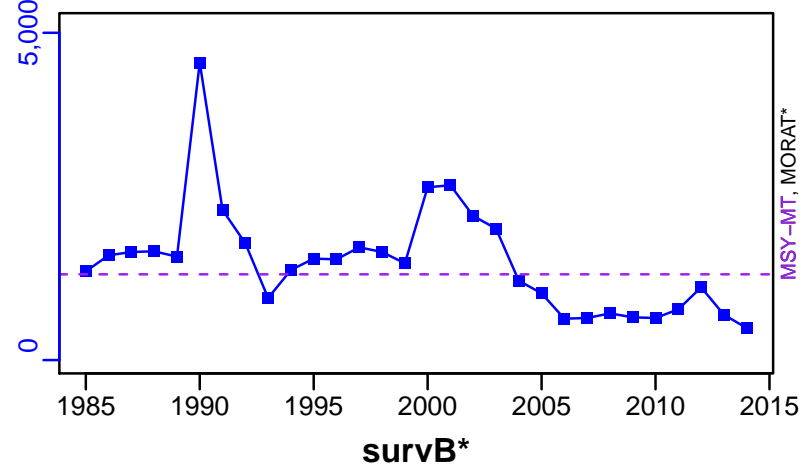
R-E00 (1985–2014–SISIMP2016)



# Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*



## Yellowtail flounder Georges Bank [YELLGB]

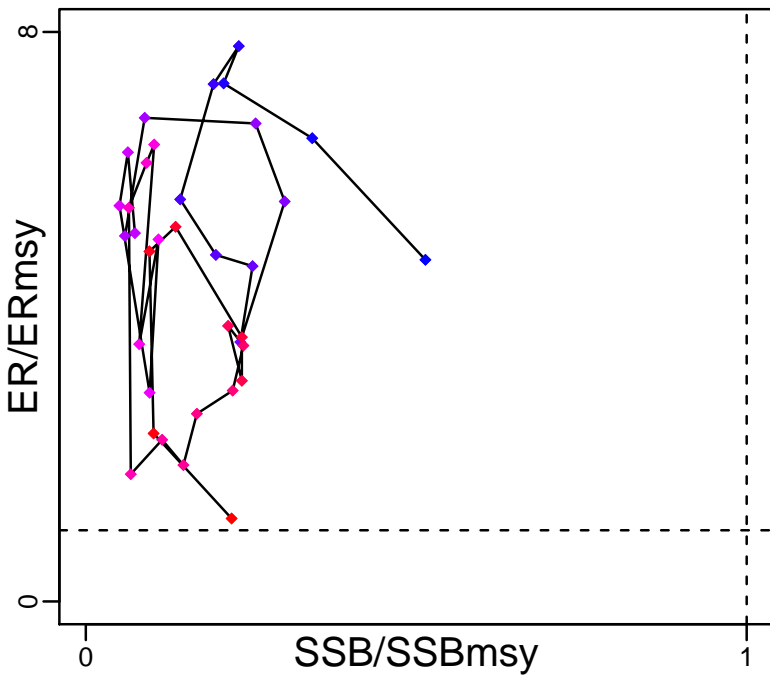
Metadata	
<b>Scientific Name</b>	Limanda ferruginea
<b>Current Assess ID</b>	NEFSC-YELLGB-1935-2015-WATSON
<b>Area</b>	Georges Bank
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
<b>Asmts in RAM</b>	2008, 2015

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

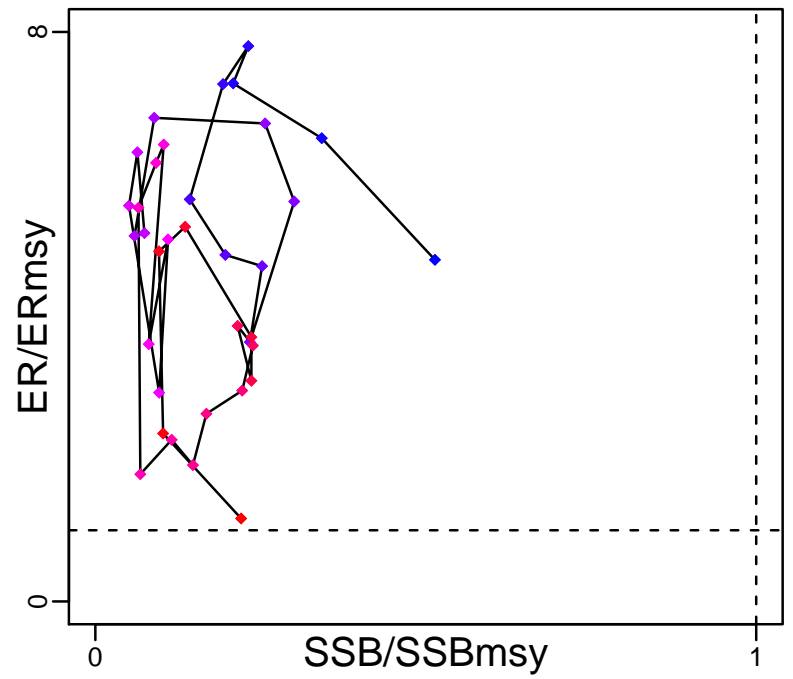
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2008	20,800	-	-
<b>SSB</b>	SSB-MT	2008	9530	-	2+
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2008	19,100,000	-	1
<b>F</b>	F-1/yr	2008	0	-	4+
<b>ER</b>	ER-ratio	2008	0	-	-
<b>TC</b>	TC-MT	2015	159		
<b>TL</b>	TL-MT	2015	71		
<b>TB/TBmsy</b>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

# Yellowtail flounder Georges Bank [YELLGB]

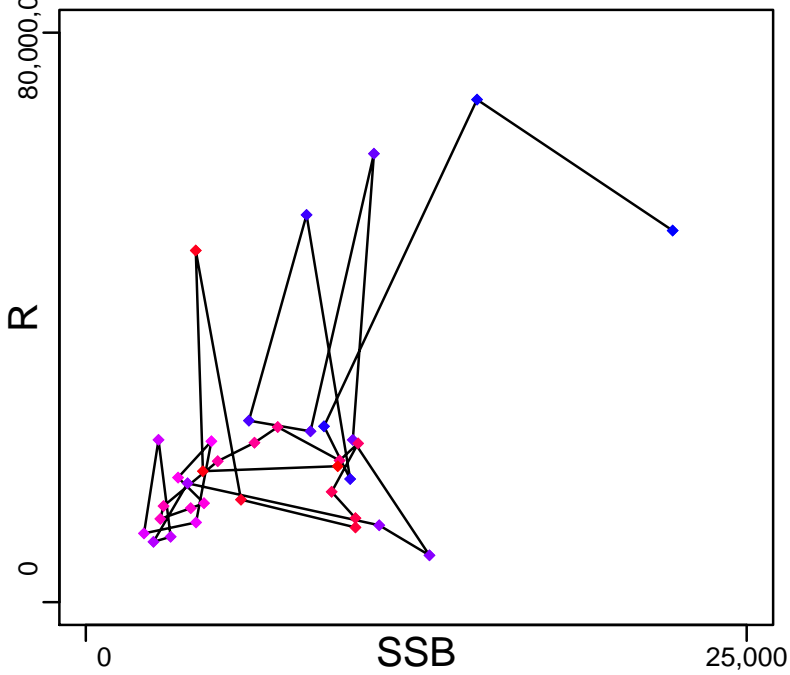
Kobe MSYpref (1935–2008–BAUM)



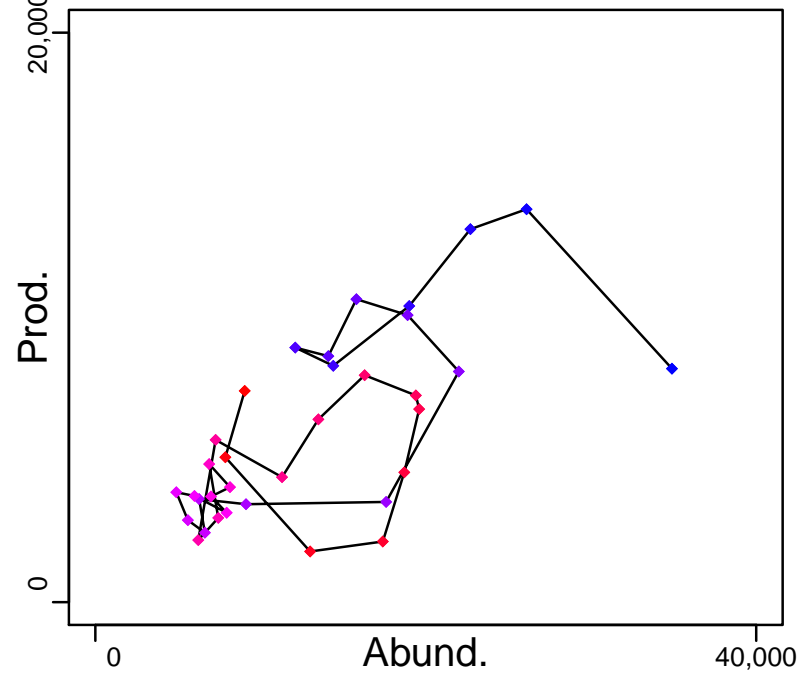
Kobe MGTpref (1935–2008–BAUM)



Spawner Recruit (1935–2008–BAUM)



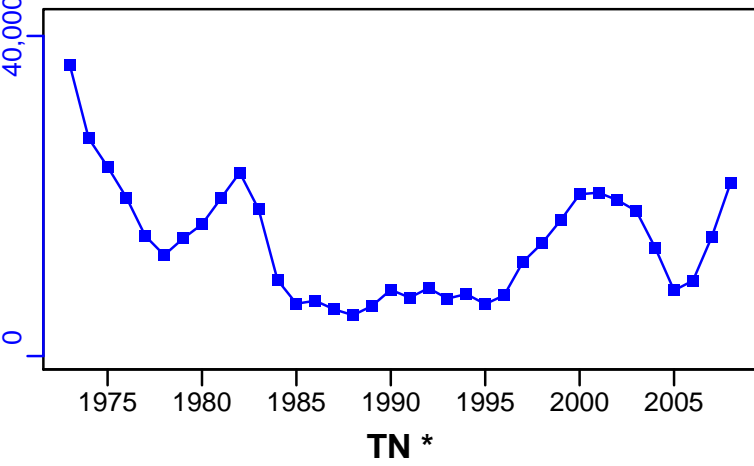
Production (1935–2008–BAUM)



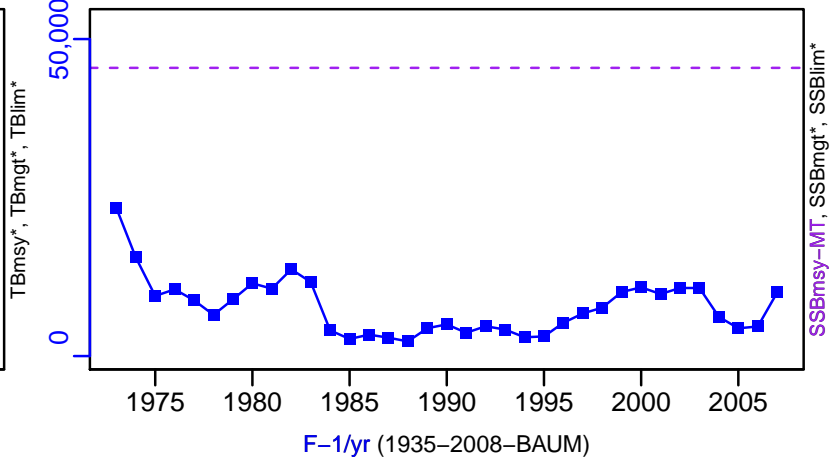
◆ Start Year ◆ End Year \* No Data

# Yellowtail flounder Georges Bank [YELLGB]

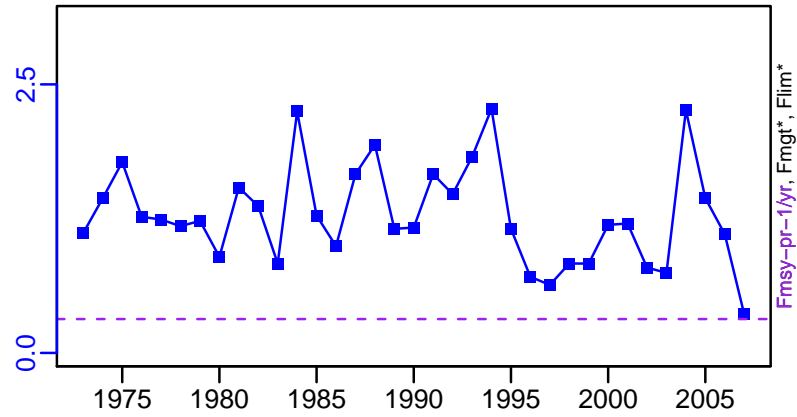
TB-MT (1935-2008-BAUM)



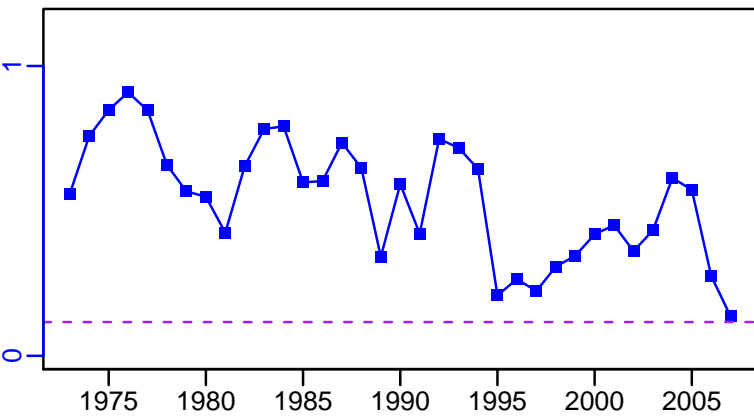
SSB-MT (1935-2008-BAUM)



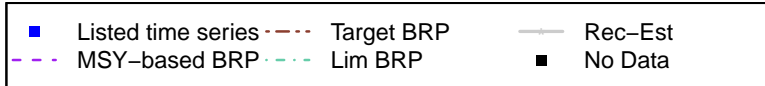
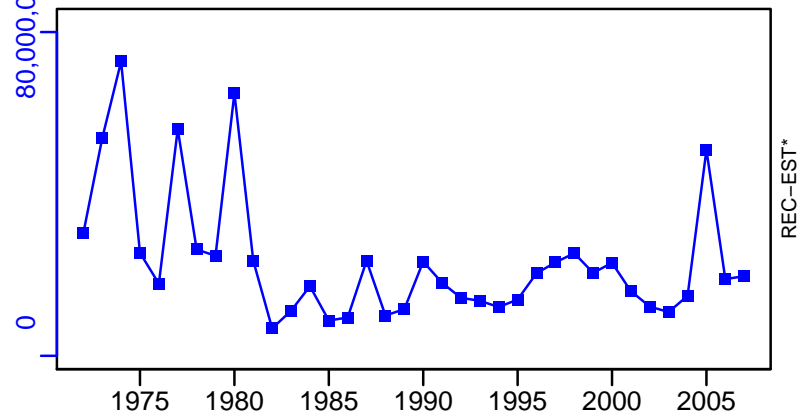
F-1/yr (1935-2008-BAUM)



ER-ratio (1935-2008-BAUM)

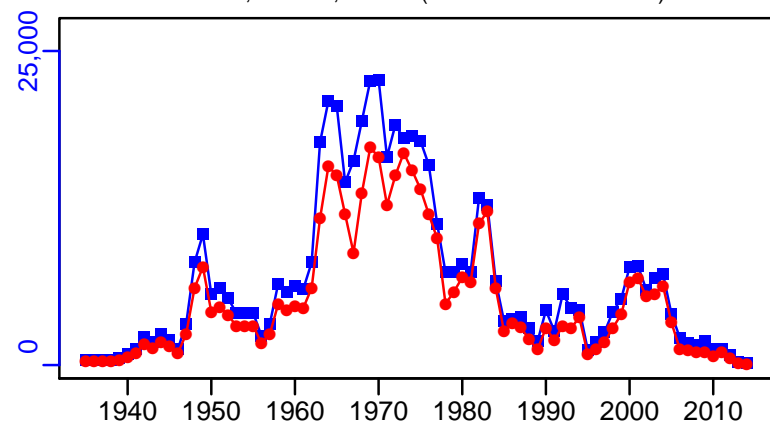


R-E00 (1935-2008-BAUM)

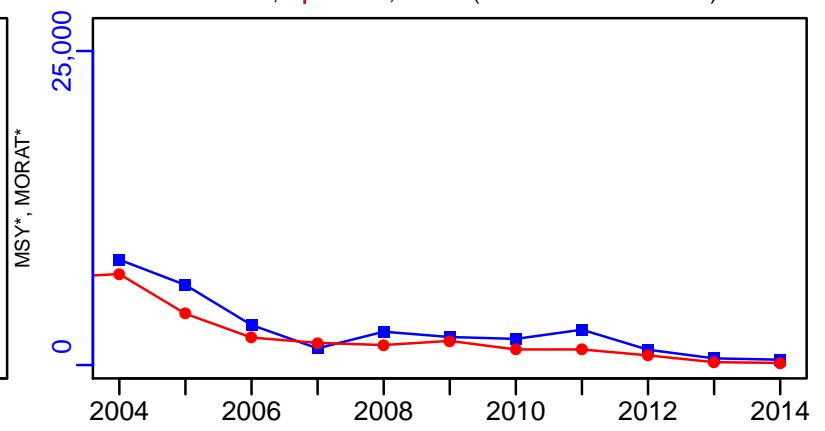


# Yellowtail flounder Georges Bank [YELLGB]

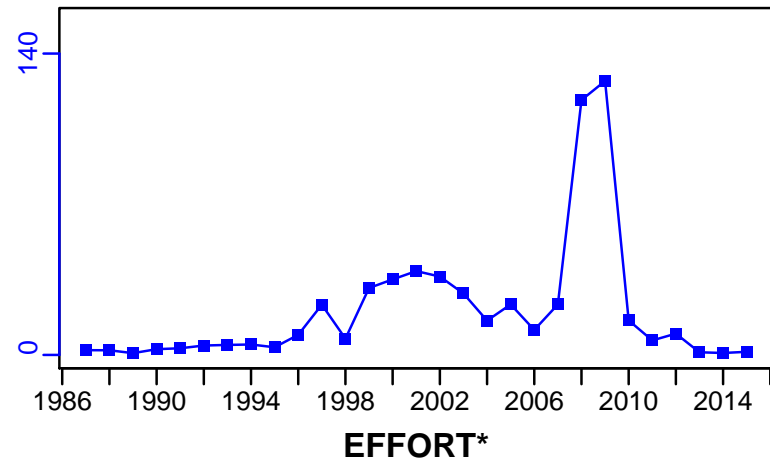
TC-MT, TL-MT, RecC\* (1935-2015-WATSON)



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



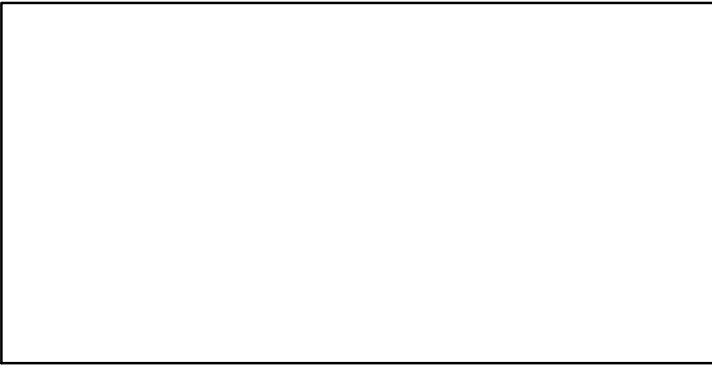
survB-kg/tow (1935-2015-WATSON)



CPUE\*



EFFORT\*



## Yellowtail Flounder Southern New England-Mid Atlantic [YELLSNEMATL]

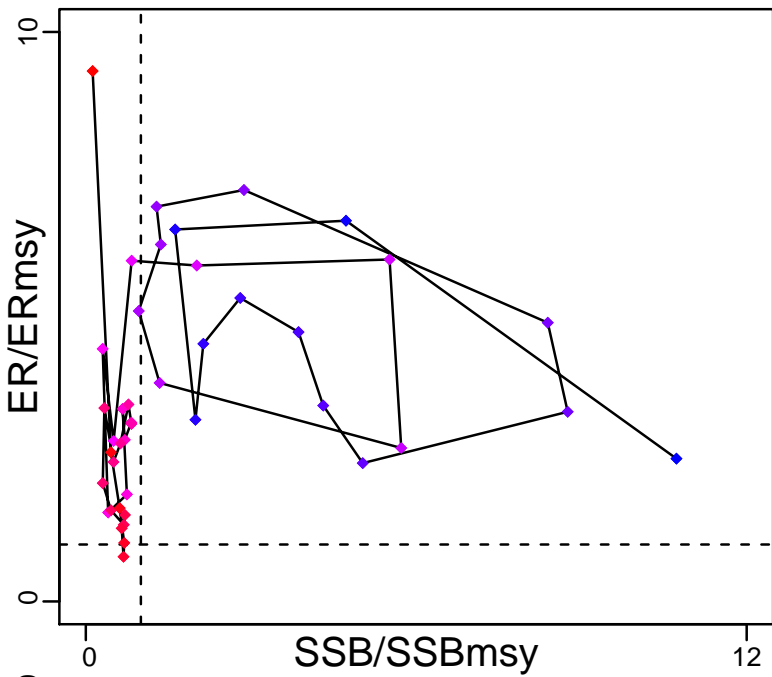
Metadata	
<b>Scientific Name</b>	Limanda ferruginea
<b>Current Assess ID</b>	NEFSC-YELLSNEMATL-1973-2014-SISIMP2016
<b>Area</b>	Southern New England /Mid Atlantic
<b>Management Authority</b>	National Marine Fisheries Service, US national management
<b>Assessor</b>	Northeast Fisheries Science Center
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

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

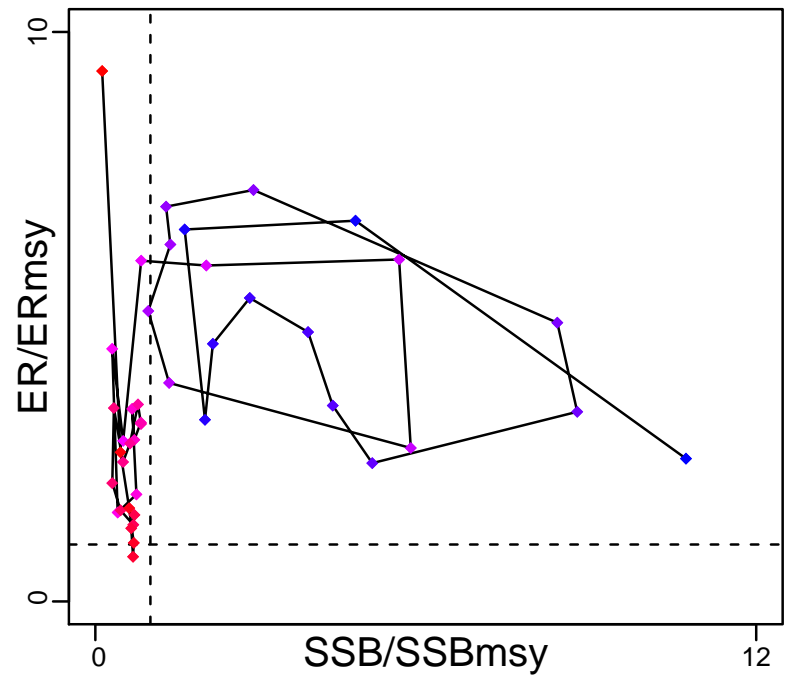
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
<b>TB</b>	TB-MT	2011	5310	-	-
<b>SSB</b>	SSB-MT	2014	243	-	-
<b>TN</b>	-	-	-	-	-
<b>R</b>	R-E00	2014	435,000	-	1
<b>F</b>	F-1/yr	2014	4	-	-
<b>ER</b>	ER-calc-ratio	2014	1	-	-
<b>TC</b>	TC-MT	2014	625		
<b>TL</b>	-	-	-		
<b>TB/TBmsy</b>	-	-	-		
<b>SSB/SSBmsy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

# Yellowtail Flounder Southern New England–Mid Atlantic [YELLSNEMATL]

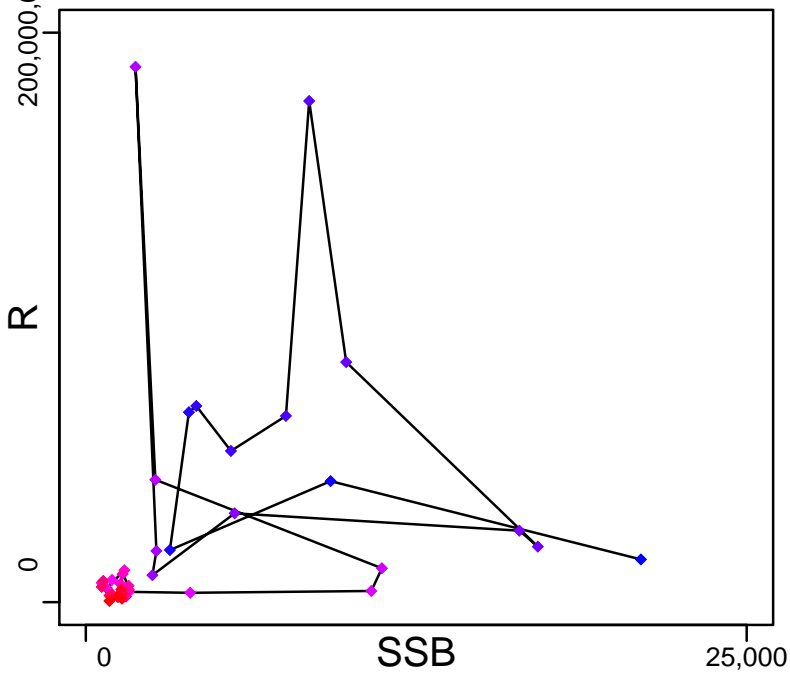
Kobe MSY<sub>pref</sub> (1973–2014–SISIMP2016)



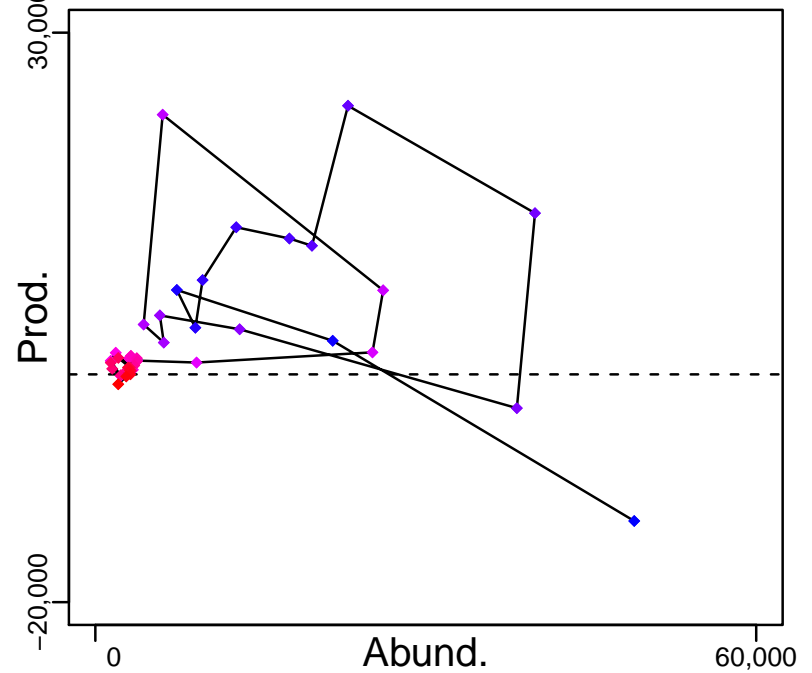
Kobe MGT<sub>pref</sub> (1973–2014–SISIMP2016)



Spawner Recruit (1973–2014–SISIMP2016)



Production (1973–2014–SISIMP2016)

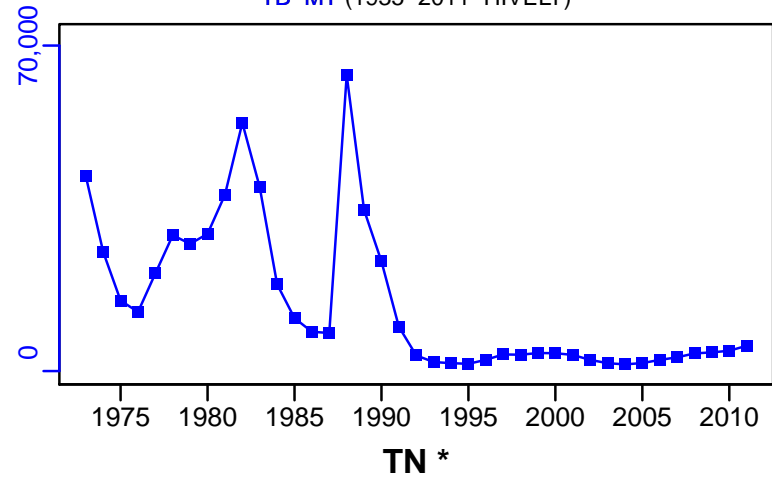


◆ Start Year ◆ End Year \* No Data

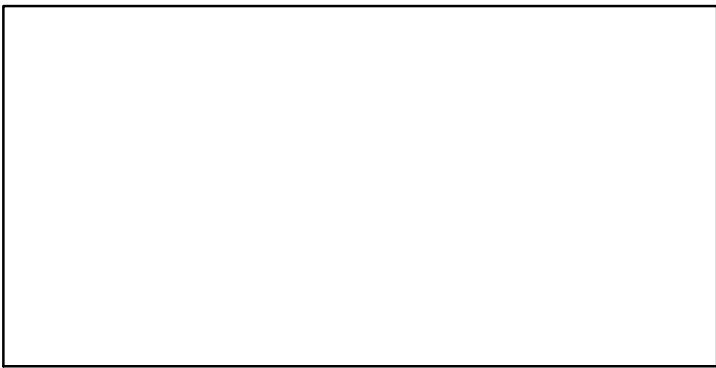
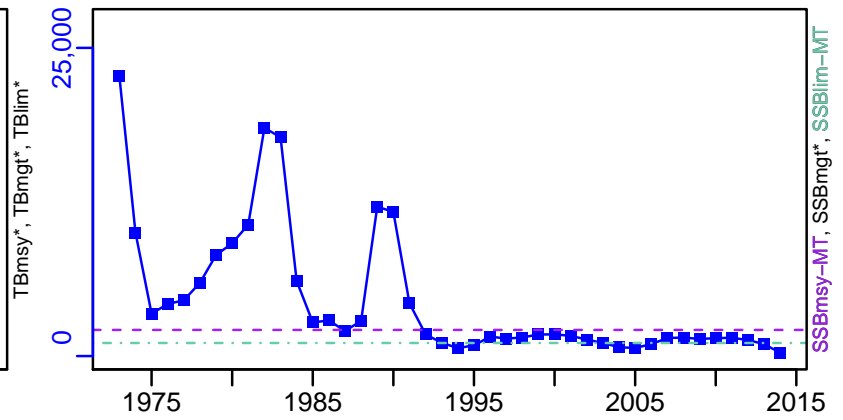


# Yellowtail Flounder Southern New England–Mid Atlantic [YELLSNEMATL]

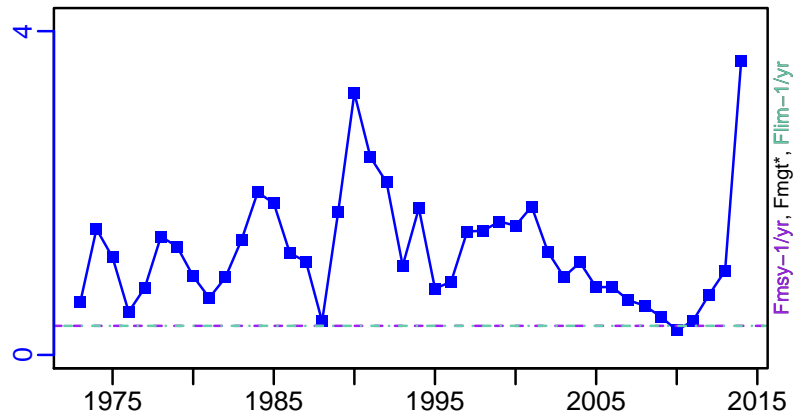
TB-MT (1935–2011–HIVELY)



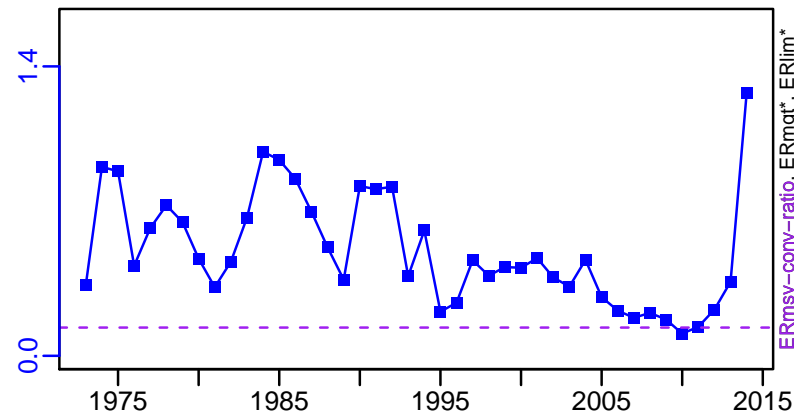
SSB-MT (1973–2014–SISIMP2016)



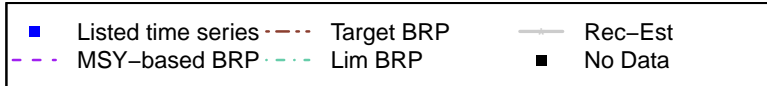
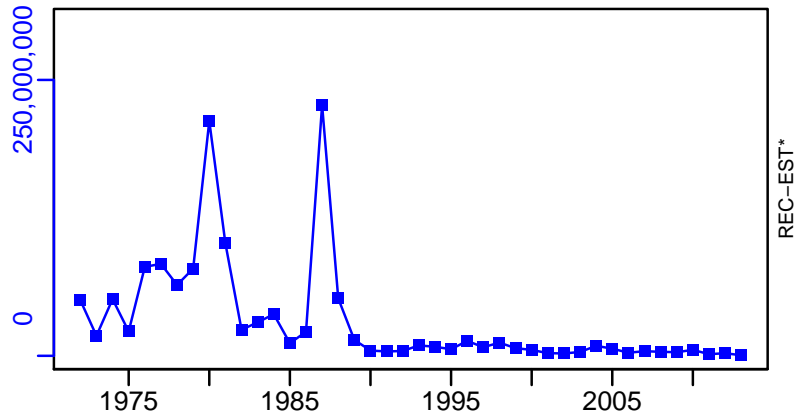
F-1/yr (1973–2014–SISIMP2016)



ER-calc-ratio (1973–2014–SISIMP2016)



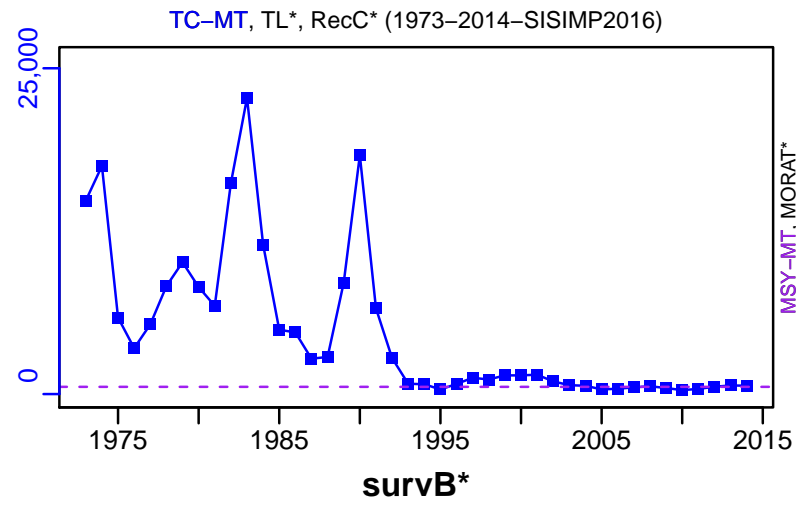
R-E00 (1973–2014–SISIMP2016)



# Yellowtail Flounder Southern New England–Mid Atlantic [YELLSNEMATL]

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

TAC\*, Cpair\*, Cadv\*



EFFORT\*

