

US East Coast Stocks

v4.66 (Nov-03-2024)

Not present Present Preferred

| Stock | B/Bmsy | Time Series Types | | | |
|---|--------|-------------------|--------|--------|--|
| | | U/Umsy | B/Bmgt | U/Umgt | |
| 1. ACADREDGOMGB [Acadian redfish Gulf of Maine / Georges Bank] | TB SSB | ER F | TB SSB | ER F | |
| 2. AMPL5YZ [American plaice Gulf of Maine / Georges Bank] | TB SSB | ER F | TB SSB | ER F | |
| 3. ATHAL5YZ [Atlantic halibut Gulf of Maine / Georges Bank] | TB SSB | ER F | TB SSB | ER F | |
| 4. ATLCROAKMATLC [Atlantic croaker Mid-Atlantic Coast] | TB SSB | ER F | TB SSB | ER F | |
| 5. AWOLF5YZ [Atlantic wolffish Gulf of Maine / Georges Bank] | TB SSB | ER F | TB SSB | ER F | |
| 6. BCRABCHESB [Blue crab Chesapeake Bay] | TB SSB | ER F | TB SSB | ER F | |
| 7. BLUEFISHATLC [Bluefish Atlantic Coast] | TB SSB | ER F | TB SSB | ER F | |
| 8. BSBASSMATLC [Black sea bass Mid-Atlantic Coast] | TB SSB | ER F | TB SSB | ER F | |
| 9. BSKAT5YZSNE [Barndoor skate Gulf of Maine / Georges Bank-Southern New England] | TB SSB | ER F | TB SSB | ER F | |
| 10. BUTTERGOMCHATT [Atlantic butterfish Gulf of Maine / Cape Hatteras] | TB SSB | ER F | TB SSB | ER F | |
| 11. CODGB [Atlantic cod Georges Bank] | TB SSB | ER F | TB SSB | ER F | |
| 12. CODGOM [Atlantic cod Gulf of Maine] | TB SSB | ER F | TB SSB | ER F | |
| 13. CSKATMATLC [Clearnose skate Mid-Atlantic Coast] | TB SSB | ER F | TB SSB | ER F | |
| 14. HAD5Y [Haddock Gulf of Maine] | TB SSB | ER F | TB SSB | ER F | |
| 15. HADGB [Haddock Georges Bank] | TB SSB | ER F | TB SSB | ER F | |
| 16. HERRNWATLC [Herring Northwestern Atlantic Coast] | TB SSB | ER F | TB SSB | ER F | |
| 17. ILLEXNWATLC [Northern shortfin squid Northwestern Atlantic Coast] | TB SSB | ER F | TB SSB | ER F | |
| 18. LISQUIDATLC [Longfin inshore squid Atlantic Coast] | TB SSB | ER F | TB SSB | ER F | |
| 19. LOBSTERGOMGB [American lobster Gulf of Maine / Georges Bank] | TB SSB | ER F | TB SSB | ER F | |
| 20. LOBSTERSNE [American lobster Southern New England] | TB SSB | ER F | TB SSB | ER F | |
| 21. LSKAT5YCHATT [Little skate Gulf of Maine / Cape Hatteras] | TB SSB | ER F | TB SSB | ER F | |
| 22. LSKAT5ZSNE [Little skate Georges Bank-Southern New England] | TB SSB | ER F | TB SSB | ER F | |
| 23. MACK5YCHATT [Atlantic mackerel Gulf of Maine / Cape Hatteras] | TB SSB | ER F | TB SSB | ER F | |
| 24. MENATLAN [Atlantic menhaden Atlantic] | TB SSB | ER F | TB SSB | ER F | |
| 25. MONKGOMNGB [Monkfish Gulf of Maine / Northern Georges Bank] | TB SSB | ER F | TB SSB | ER F | |
| 26. MONKSGBMATL [Monkfish Southern Georges Bank / Mid-Atlantic] | TB SSB | ER F | TB SSB | ER F | |
| 27. OPOUTNWATLC [Ocean pout Northwestern Atlantic Coast] | TB SSB | ER F | TB SSB | ER F | |
| 28. PANDALGOM [Northern shrimp Gulf of Maine] | TB SSB | ER F | TB SSB | ER F | |
| 29. POLL5YZ [Pollock Gulf of Maine / Georges Bank] | TB SSB | ER F | TB SSB | ER F | |
| 30. QUAHATLC [Ocean quahog Atlantic Coast] | TB SSB | ER F | TB SSB | ER F | |
| 31. RDEEPCRABNWATL [Red deepsea crab Northwestern Atlantic] | TB SSB | ER F | TB SSB | ER F | |
| 32. RHAKEGOMNGB [Red hake Gulf of Maine / Northern Georges Bank] | TB SSB | ER F | TB SSB | ER F | |
| 33. RHAKESGBMATL [Red hake Southern Georges Bank / Mid-Atlantic] | TB SSB | ER F | TB SSB | ER F | |
| 34. RSKATMATLC [Rosette skate Mid-Atlantic Coast] | TB SSB | ER F | TB SSB | ER F | |
| 35. SCALL5ZMAB [Sea scallop Georges Bank and Mid-Atlantic Bight] | TB SSB | ER F | TB SSB | ER F | |

| | | | | |
|--|--------|------|--------|------|
| 36. SCHHEADATL [Scalloped hammerhead Atlantic] | TB SSB | ER F | TB SSB | ER F |
| 37. SCUPNWATLC [Scup Northwestern Atlantic Coast] | TB SSB | ER F | TB SSB | ER F |
| 38. SDOGATLC [Spiny dogfish Atlantic Coast] | TB SSB | ER F | TB SSB | ER F |
| 39. SFLOUNMATLC [Summer flounder Mid-Atlantic Coast] | TB SSB | ER F | TB SSB | ER F |
| 40. SHAKEGOMNGB [Silver hake Gulf of Maine / Georges Bank] | TB SSB | ER F | TB SSB | ER F |
| 41. SHAKESGBMATL [Silver hake Southern Georges Bank / Mid-Atlantic] | TB SSB | ER F | TB SSB | ER F |
| 42. SMDOGATL [Smooth dogfish Atlantic] | TB SSB | ER F | TB SSB | ER F |
| 43. SSKAT5YZSNE [Smooth skate Gulf of Maine / Georges Bank-Southern New England] | TB SSB | ER F | TB SSB | ER F |
| 44. STRIPEDBASSGOMCHATT [Striped bass Gulf of Maine / Cape Hatteras] | TB SSB | ER F | TB SSB | ER F |
| 45. SURFMATLC [Atlantic surfclam Mid-Atlantic Coast] | TB SSB | ER F | TB SSB | ER F |
| 46. TILEMATLC [Tilefish Mid-Atlantic Coast] | TB SSB | ER F | TB SSB | ER F |
| 47. TSKAT5YZSNE [Thorny skate Gulf of Maine / Georges Bank-Southern New England] | TB SSB | ER F | TB SSB | ER F |
| 48. WEAKEFISHATLC [Weakfish Atlantic Coast] | TB SSB | ER F | TB SSB | ER F |
| 49. WHAKEGBGOM [White hake Gulf of Maine / Georges Bank] | TB SSB | ER F | TB SSB | ER F |
| 50. WINDOWGOMGB [Windowpane flounder Gulf of Maine / Georges Bank] | TB SSB | ER F | TB SSB | ER F |
| 51. WINDOWSNEMATL [Windowpane flounder Southern New England /Mid Atlantic] | TB SSB | ER F | TB SSB | ER F |
| 52. WINFLOUN5Z [Winter flounder Georges Bank] | TB SSB | ER F | TB SSB | ER F |
| 53. WINFLOUND5Y [Winter flounder Gulf of Maine] | TB SSB | ER F | TB SSB | ER F |
| 54. WINFLOUNSNEMATL [Winter flounder Southern New England /Mid Atlantic] | TB SSB | ER F | TB SSB | ER F |
| 55. WITFLOUN5Y [Witch flounder Gulf of Maine] | TB SSB | ER F | TB SSB | ER F |
| 56. WSKAT5YCHATT [Winter skate Gulf of Maine / Cape Hatteras] | TB SSB | ER F | TB SSB | ER F |
| 57. WSKAT5ZSNE [Winter skate Georges Bank-Southern New England] | TB SSB | ER F | TB SSB | ER F |
| 58. YELLCCODGOM [Yellowtail flounder Cape Cod / Gulf of Maine] | TB SSB | ER F | TB SSB | ER F |
| 59. YELLGB [Yellowtail flounder Georges Bank] | TB SSB | ER F | TB SSB | ER F |
| 60. YELLSNEMATL [Yellowtail flounder Southern New England /Mid Atlantic] | TB SSB | ER F | TB SSB | ER F |

Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]

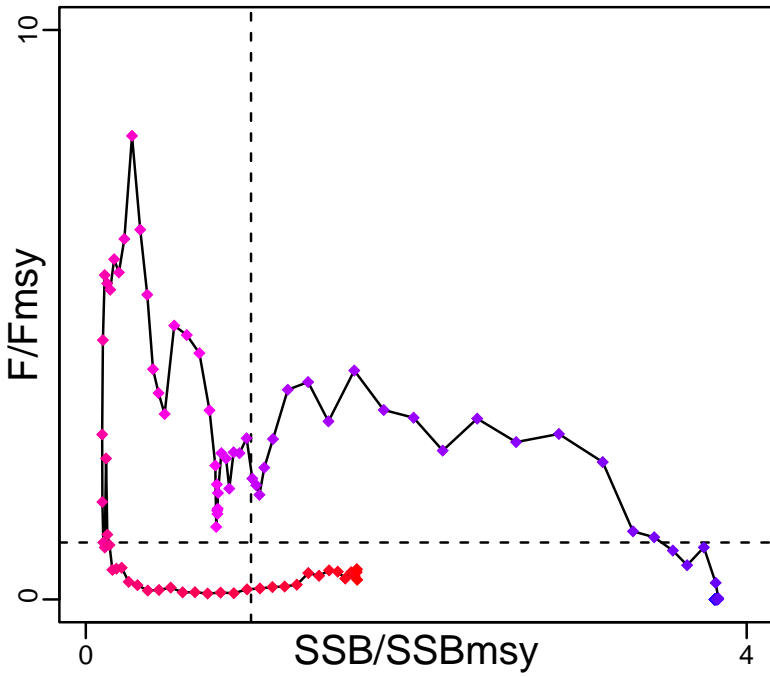
| Metadata | |
|-----------------------------|---|
| Scientific Name | Sebastes fasciatus |
| Current Assess ID | NEFSC-ACADREDGOMGB-1912-2023-SISIMP2024 |
| Area | Gulf of Maine / Georges Bank |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2016, 2023, 2007, 2014, 2019 |

| Reference Points | | | |
|------------------|-----------|-----------|---------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2023 | 184,322 |
| Fmsy | Fmsy-1/yr | 2023 | 0.037 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2016 | 9318 |
| M | M-1/yr | 2007 | 0.05 |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2023 | 92,161 |
| Flim | Flim-1/yr | 2019 | 0.038 |
| ERlim | - | - | - |

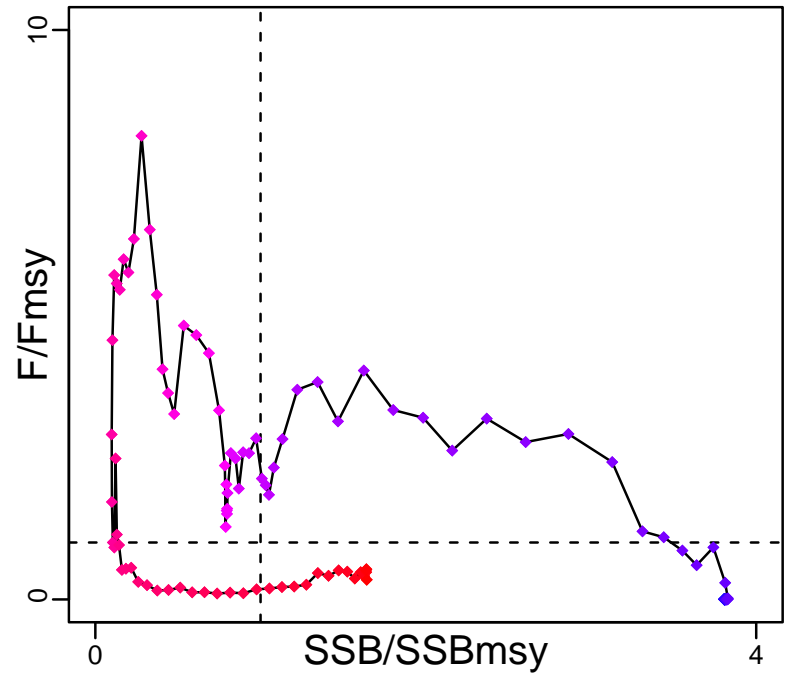
| Time Series | | | | | |
|-------------------|------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2023 | 298,563 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2023 | 41,646 | - | 1 |
| F | F-1/yr | 2023 | 0.013 | - | - |
| ER | ER-ratio | 2007 | 0.002 | - | - |
| TC | TC-MT | 2023 | 3823 | | |
| TL | TL-MT | 2007 | 787 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2023 | 1.62 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2023 | 0.346 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]

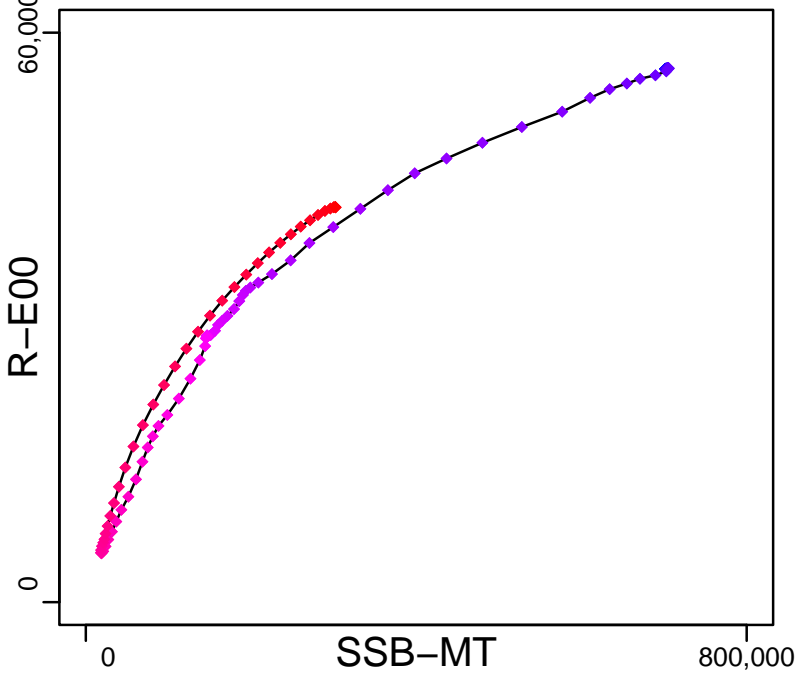
Kobe MSYpref (1912–2023–SISIMP2024)



Kobe MGTpref (1912–2023–SISIMP2024)



Spawner Recruit (1912–2023–SISIMP2024)



Production*



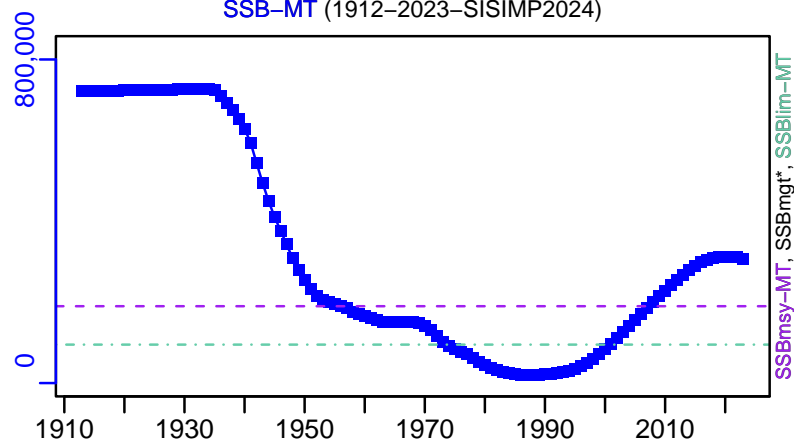
◆ Start Year ◆ End Year * No Data

Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]

TB*



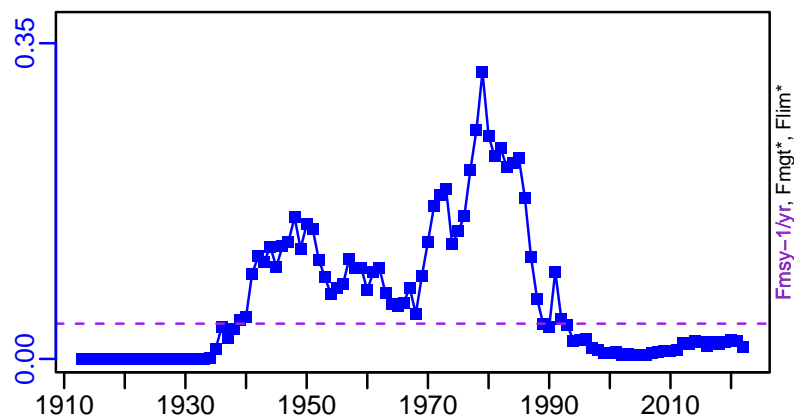
SSB-MT (1912-2023-SISIMP2024)



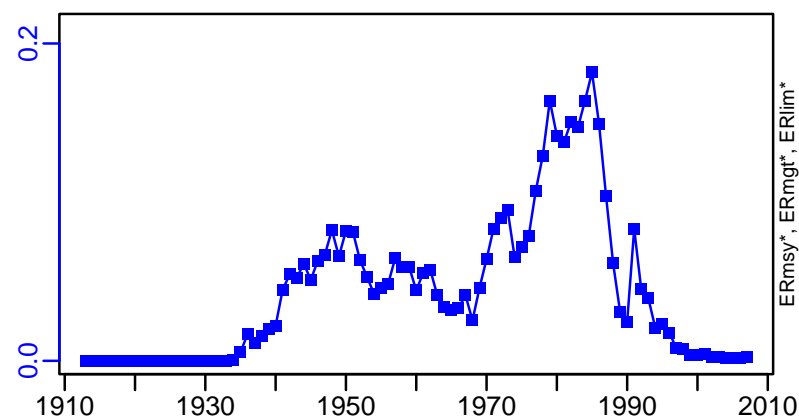
TN *



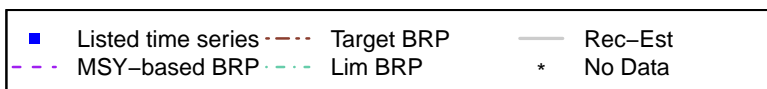
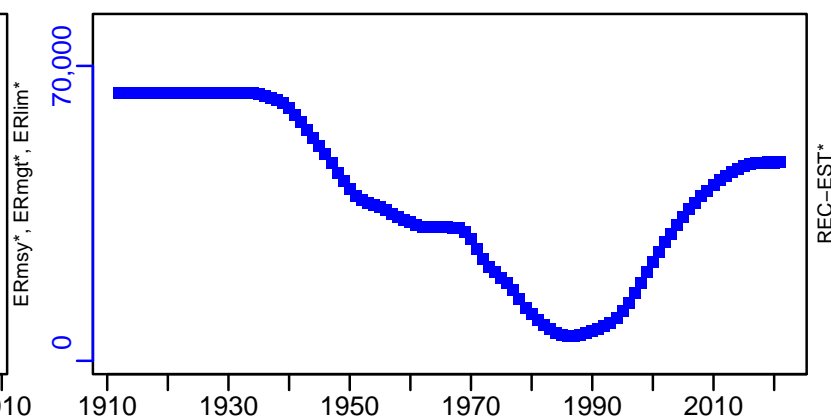
F-1/yr (1912-2023-SISIMP2024)



ER-ratio (1913-2007-MILLER)



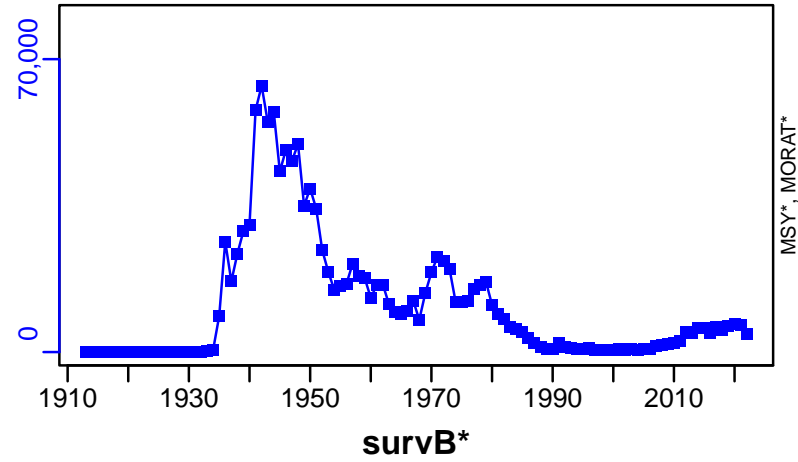
R-E00 (1912-2023-SISIMP2024)



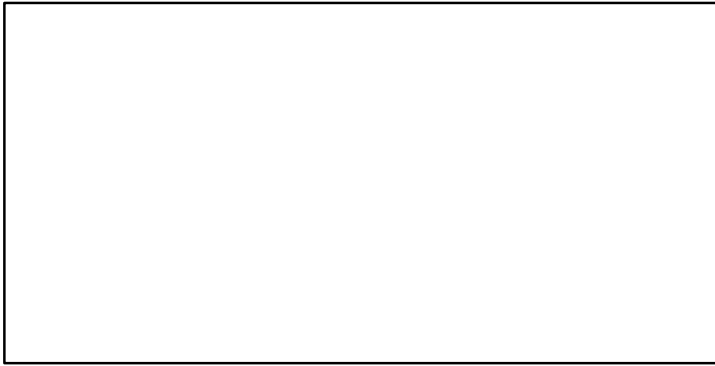
Acadian redfish Gulf of Maine / Georges Bank [ACADREDGOMGB]

TC-MT, TL*, RecC* (1912-2023-SISIMP2024)

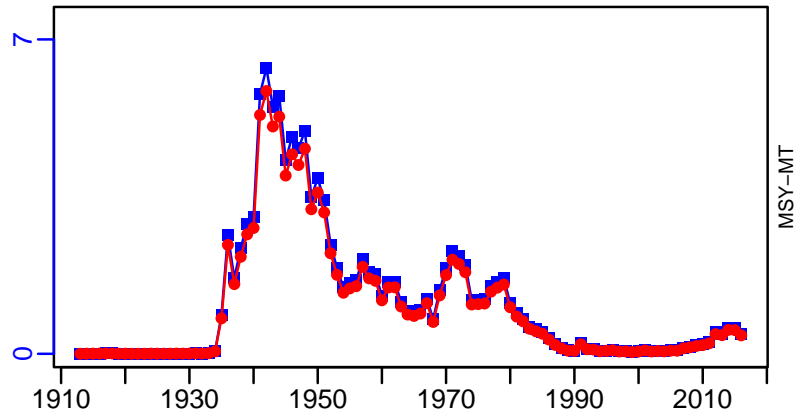
TAC*, Cpair*, Cadv*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1912-2016-SISIMP2021)



American plaice Gulf of Maine / Georges Bank [AMPL5YZ]

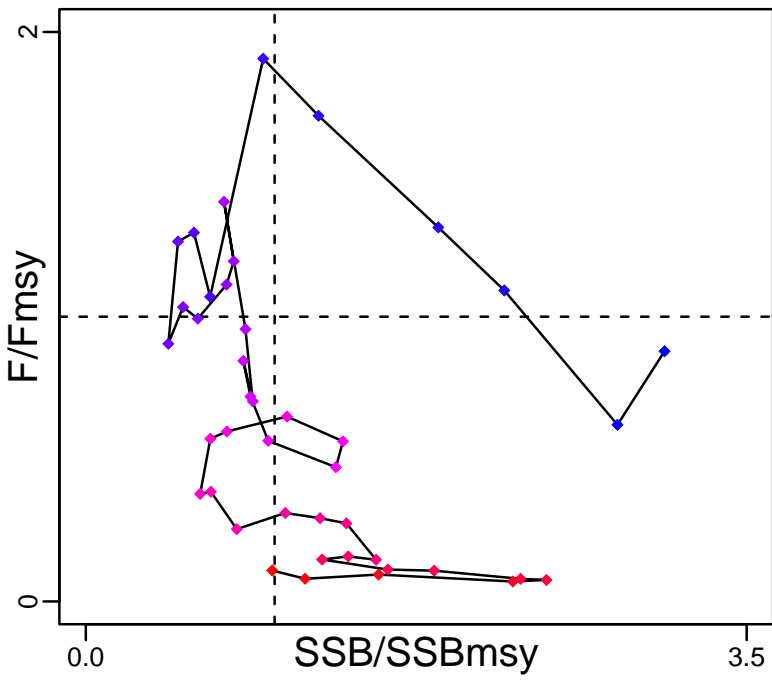
| Metadata | |
|-----------------------------|---|
| Scientific Name | Hippoglossoides platessoides |
| Current Assess ID | NEFSC-AMPL5YZ-1979-2021-SISIMP2024 |
| Area | Gulf of Maine / Georges Bank |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2010, 2018, 2016, 2021, 2014 |

| Reference Points | | | |
|------------------|-----------|-----------|--------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2021 | 19,051 |
| Fmsy | Fmsy-1/yr | 2021 | 0.414 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2021 | 6203 |
| M | M-1/yr | 2010 | 0.2 |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2021 | 9252 |
| Flim | Flim-1/yr | 2018 | 0.258 |
| ERlim | - | - | - |

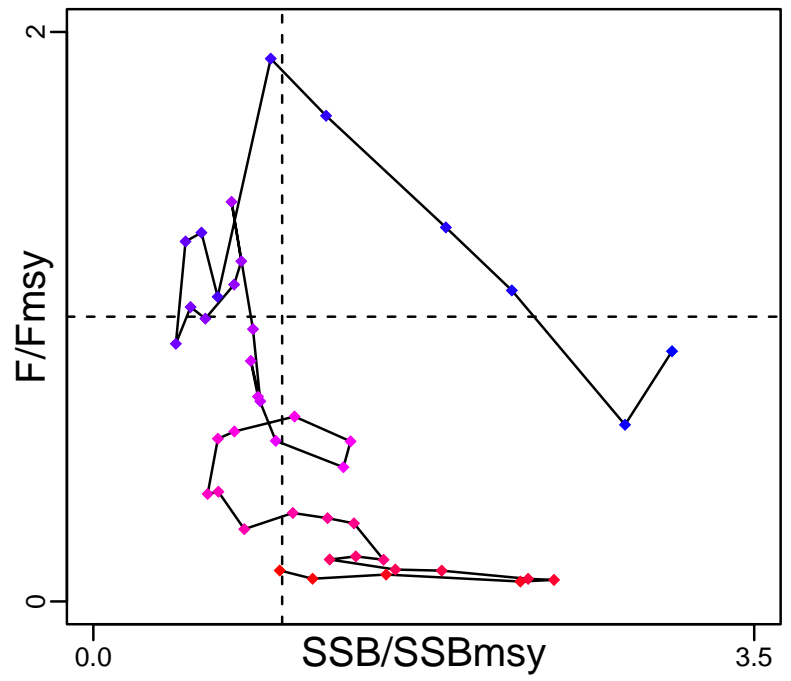
| Time Series | | | | | |
|-------------------|------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2021 | 18,809 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2021 | 79,235 | - | 1 |
| F | F-1/yr | 2021 | 0.045 | - | - |
| ER | - | - | - | - | - |
| TC | TC-MT | 2021 | 701 | | |
| TL | TL-MT | 2010 | 1400 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2021 | 0.987 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2021 | 0.109 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

American plaice Gulf of Maine / Georges Bank [AMPL5YZ]

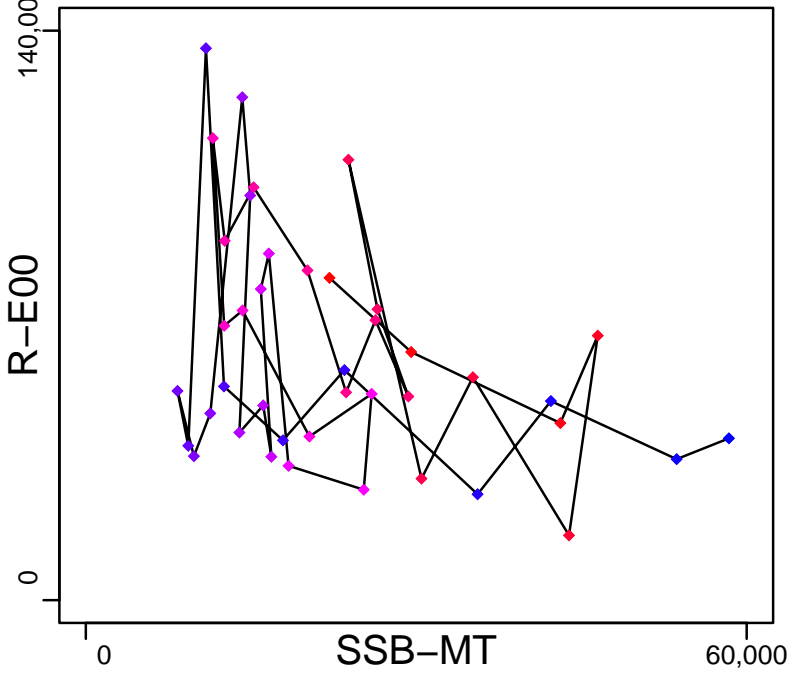
Kobe MSYpref (1979–2021–SISIMP2024)



Kobe MGTpref (1979–2021–SISIMP2024)



Spawner Recruit (1979–2021–SISIMP2024)



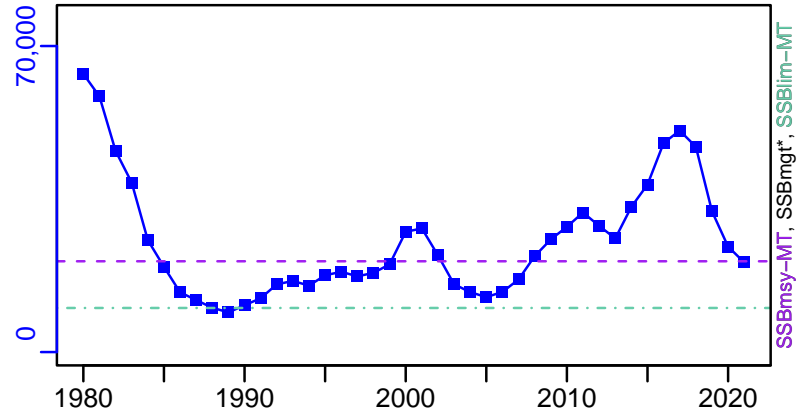
◆ Start Year ◆ End Year * No Data

American plaice Gulf of Maine / Georges Bank [AMPL5YZ]

TB*



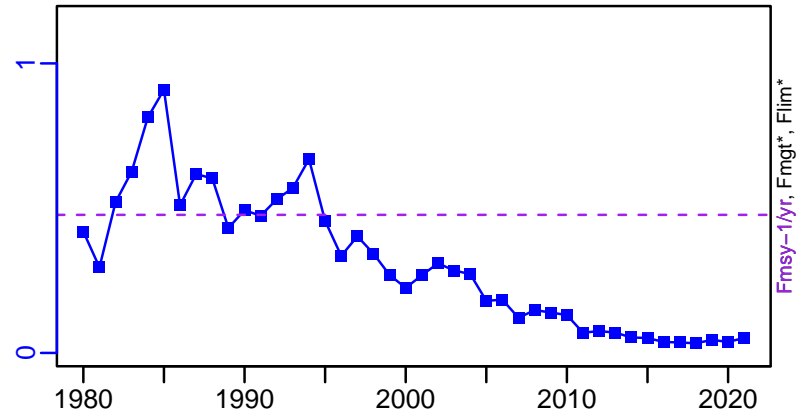
SSB-MT (1979-2021-SISIMP2024)



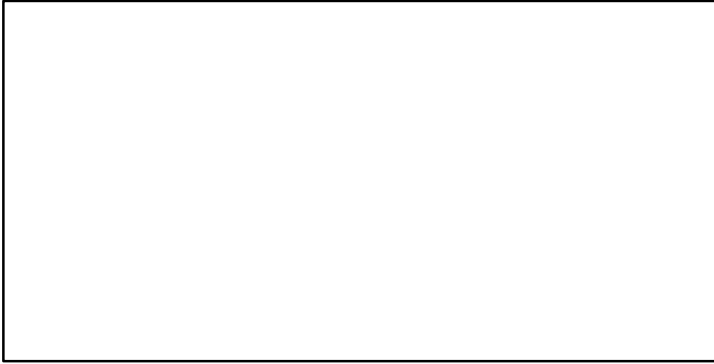
TN *



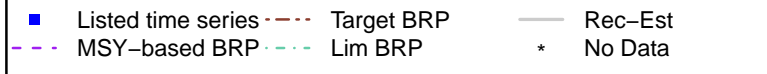
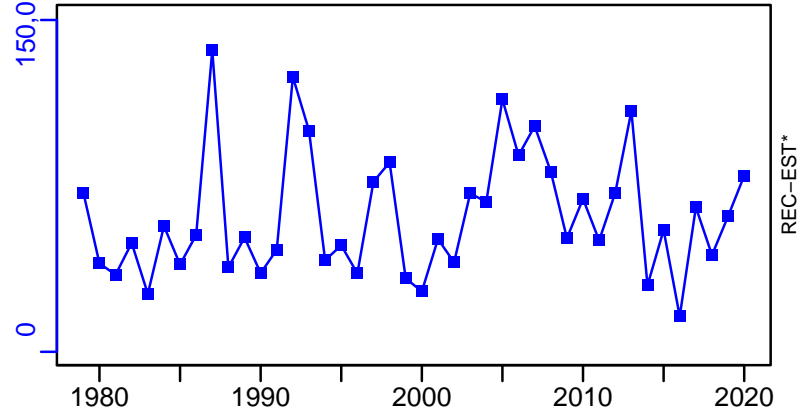
F-1/yr (1979-2021-SISIMP2024)



ER*



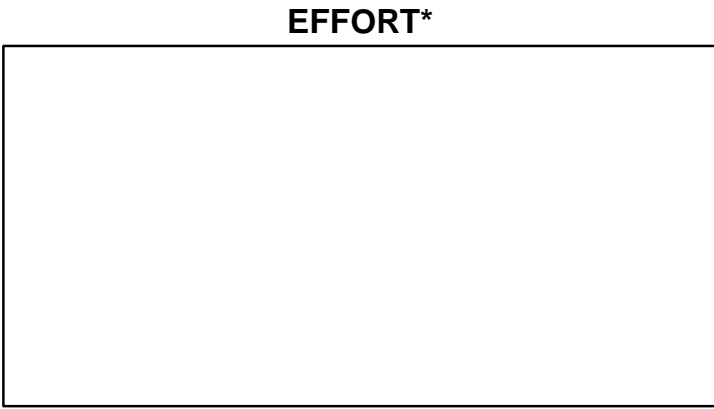
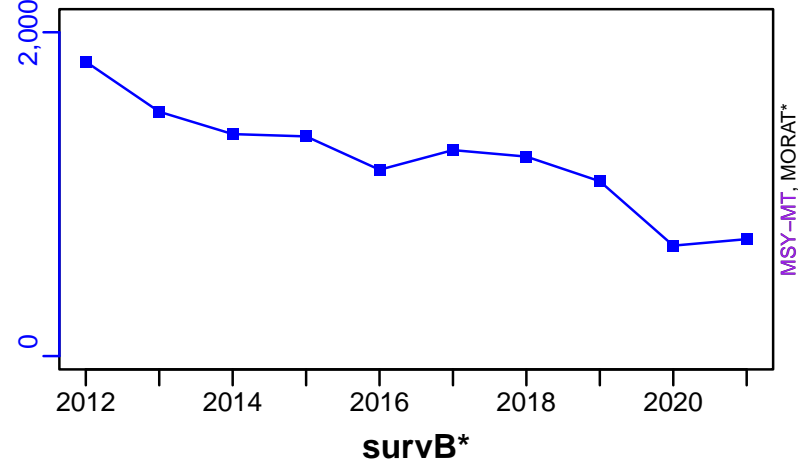
R-E00 (1979-2021-SISIMP2024)



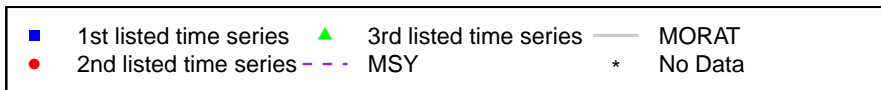
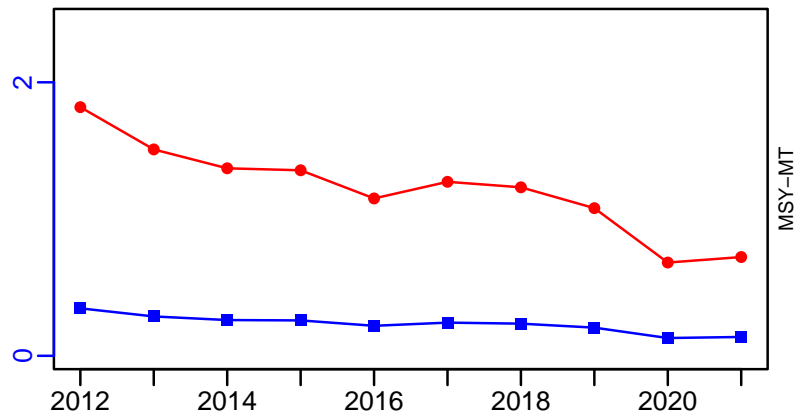
American plaice Gulf of Maine / Georges Bank [AMPL5YZ]

TC-MT, TL*, RecC* (1979-2021-SISIMP2024)

TAC*, Cpair*, Cadv*



TC-MT/MSY-MT, CdivMEANC-ratio, (1979-2021-SISIMP2024)



Atlantic halibut Gulf of Maine / Georges Bank [ATHAL5YZ]

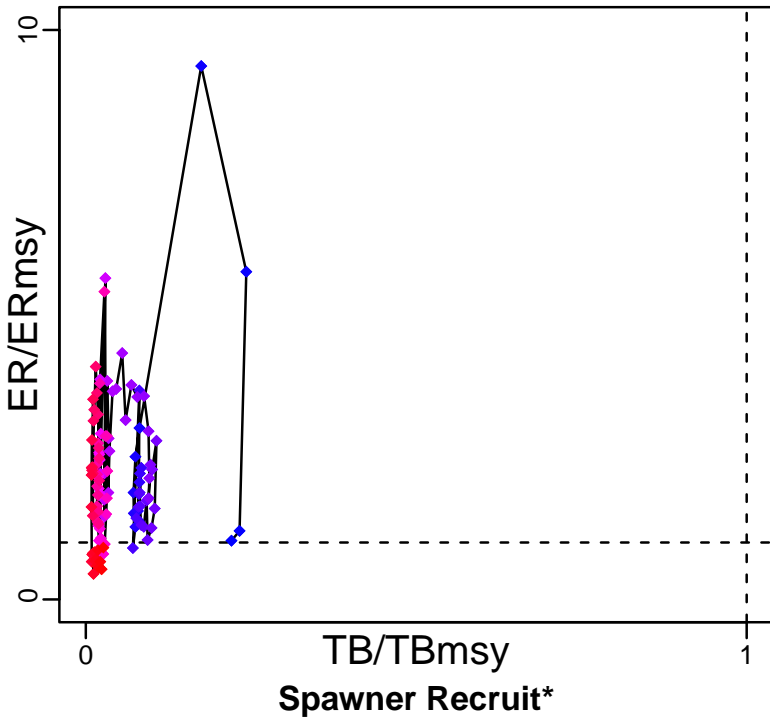
| Metadata | |
|-----------------------------|---|
| Scientific Name | Hippoglossus hippoglossus |
| Current Assess ID | NEFSC-ATHAL5YZ-2002-2021-SISIMP2024 |
| Area | Gulf of Maine / Georges Bank |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2007, 2016, 2018, 2019, 2021 |

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

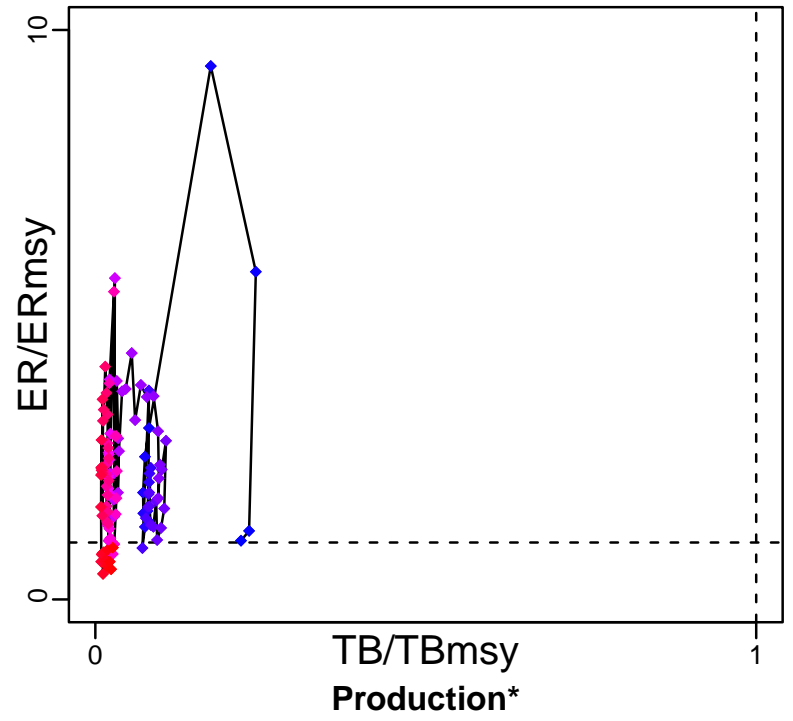
| Time Series | | | | | |
|-------------------|----------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2007 | 1300 | - | - |
| SSB | - | - | - | - | - |
| TN | - | - | - | - | - |
| R | - | - | - | - | - |
| F | F-1/yr | 2007 | 0.065 | - | - |
| ER | ER-ratio | 2007 | 0.065 | - | - |
| TC | TC-MT | 2021 | 185 | | |
| TL | TL-MT | 2007 | 52 | | |
| TB/TBmsy | TB-MT/TBmsy-MT | 2007 | 0.027 | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2007 | 0.89 | | |
| ER/ERmsy | ER-ratio/ERmsy-ratio | 2007 | 0.91 | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Atlantic halibut Gulf of Maine / Georges Bank [ATHAL5YZ]

Kobe MSYpref (1800–2007–COL)



Kobe MGTpref (1800–2007–COL)

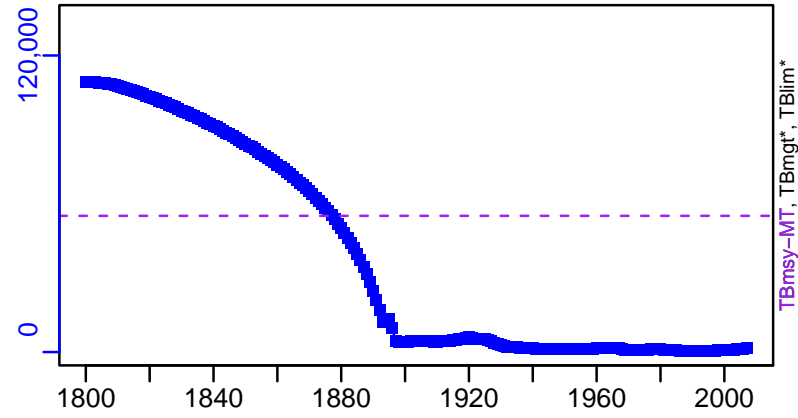


◆ Start Year ◆ End Year * No Data

Atlantic halibut Gulf of Maine / Georges Bank [ATHAL5YZ]

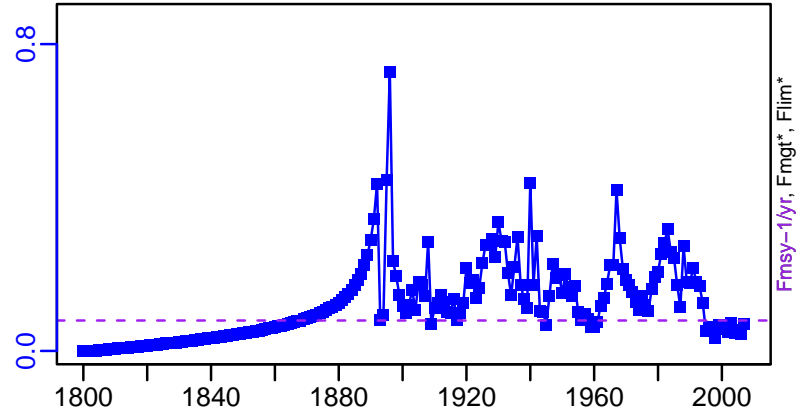
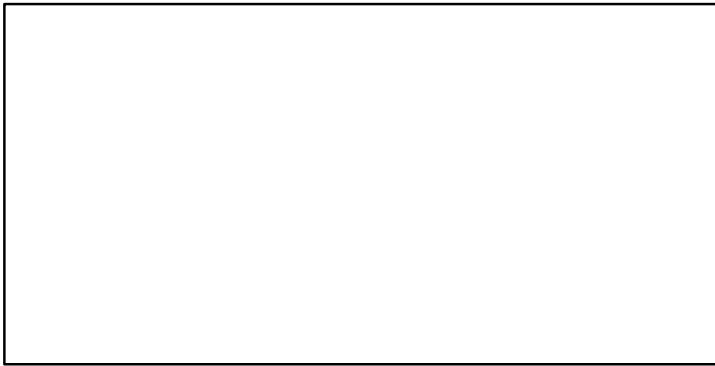
TB-MT (1800–2007–COL)

SSB*



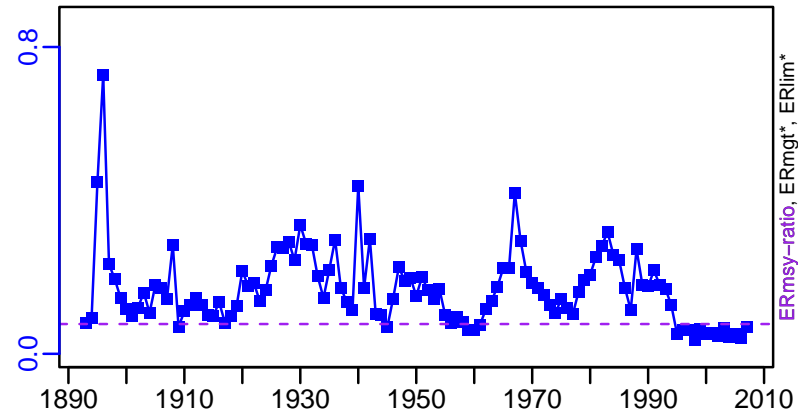
TN *

F-1/yr (1800–2007–COL)



ER-ratio (1800–2007–COL)

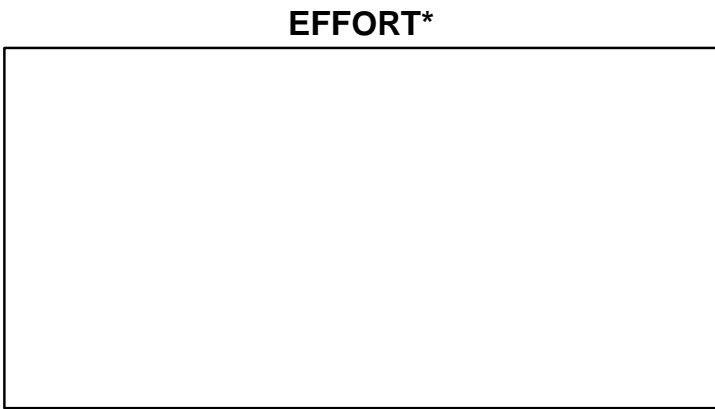
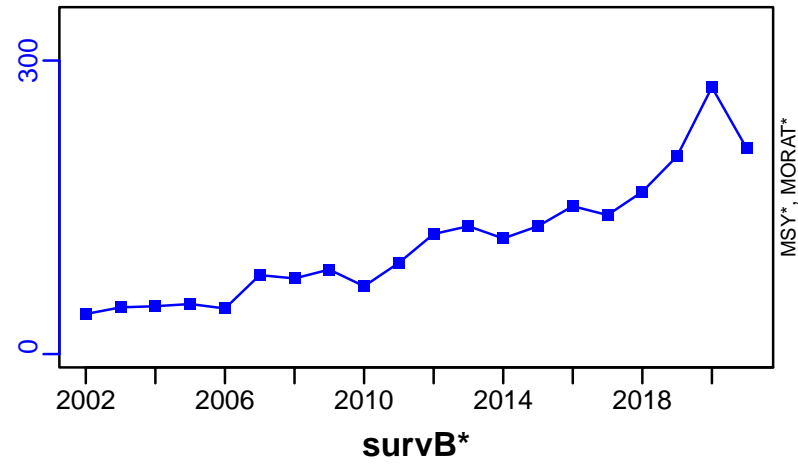
Recruits*



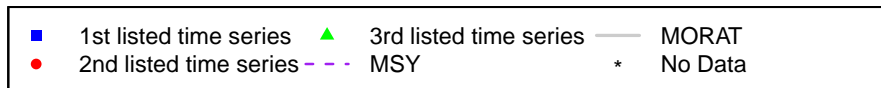
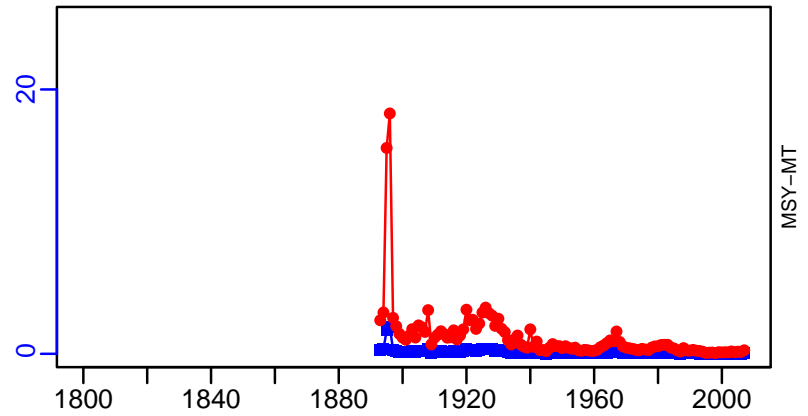
Atlantic halibut Gulf of Maine / Georges Bank [ATHAL5YZ]

TC-MT, TL*, RecC* (2002-2021-SISIMP2024)

TAC*, Cpair*, Cadv*



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



Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]

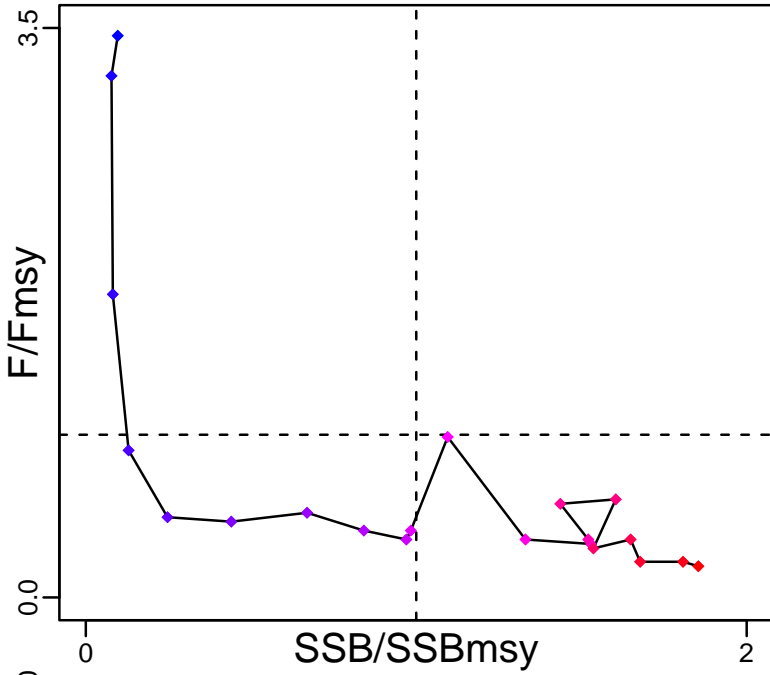
| Metadata | |
|-----------------------------|---|
| Scientific Name | Micropogonias undulatus |
| Current Assess ID | ASMFC-ATLCROAKMATLC-1981-2008-HIVELY |
| Area | Mid-Atlantic Coast |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Atlantic States Marine Fisheries Commission |
| Asmts in RAM | 2002, 2008 |

| Reference Points | | | |
|------------------|-----------|-----------|--------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2008 | 72,362 |
| Fmsy | Fmsy-1/yr | 2008 | 0.365 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | - | - | - |
| M | M-1/yr | 2002 | 0.3 |
| TBlim | - | - | - |
| SSBlim | - | - | - |
| Flim | - | - | - |
| ERlim | - | - | - |

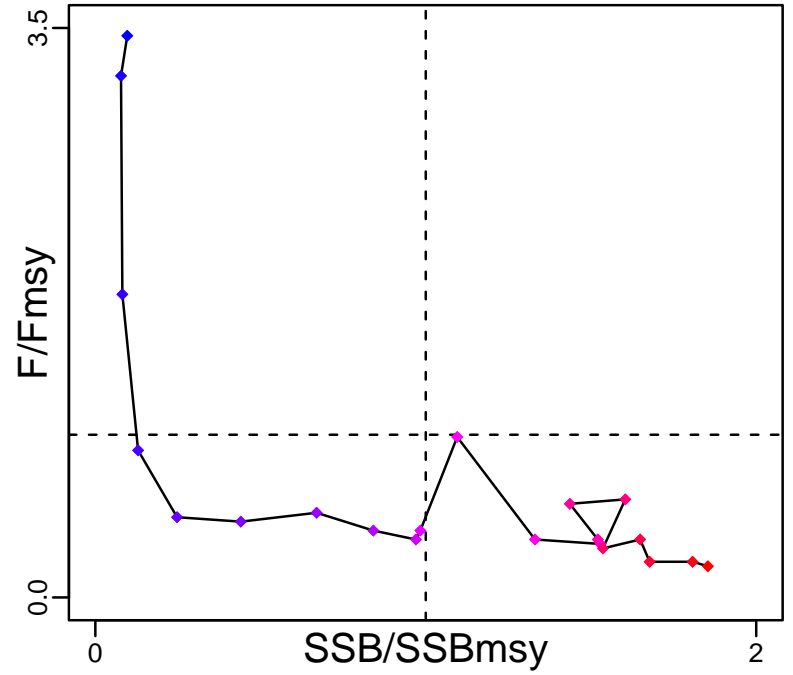
| Time Series | | | | | |
|-------------------|------------------|-----------|-------------|---------|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2008 | 134,143 | Females | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2008 | 643,964,000 | - | 0 |
| F | F-1/yr | 2008 | 0.07 | - | - |
| ER | ER-ratio | 2002 | 0.088 | - | - |
| TC | - | - | - | | |
| TL | TL-MT | 2008 | 12,647 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2008 | 1.854 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2008 | 0.192 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]

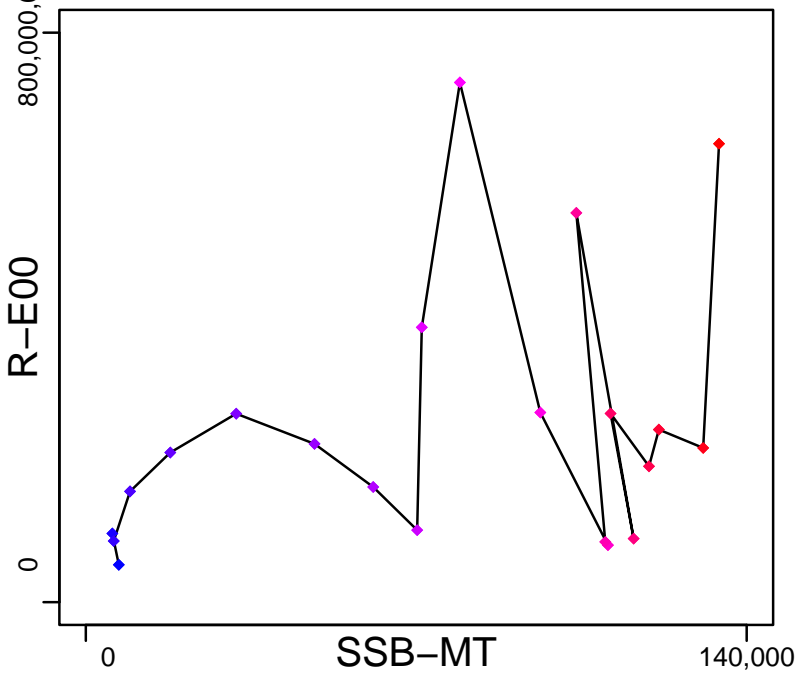
Kobe MSYpref (1981–2008–HIVELY)



Kobe MGTpref (1981–2008–HIVELY)



Spawner Recruit (1981–2008–HIVELY)



Production*



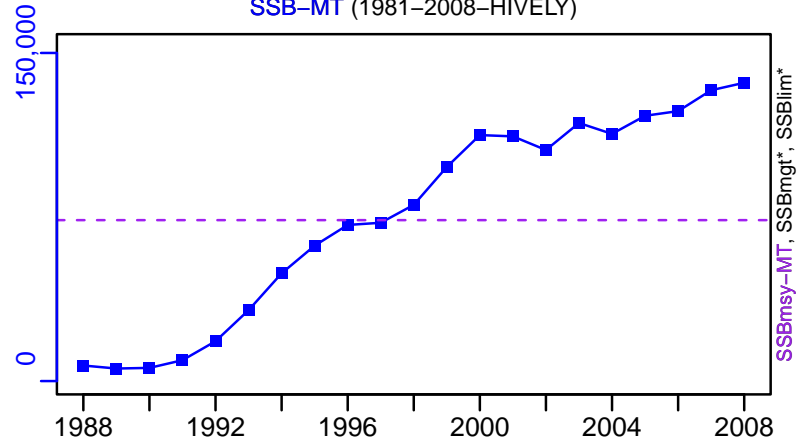
◆ Start Year ◆ End Year * No Data

Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]

TB*



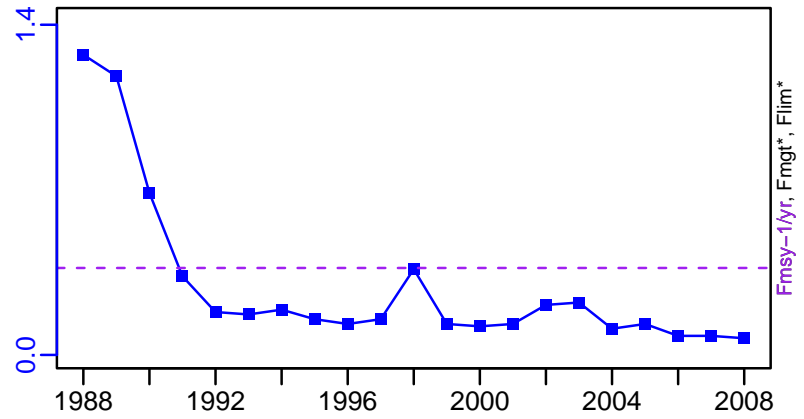
SSB-MT (1981-2008-HIVELY)



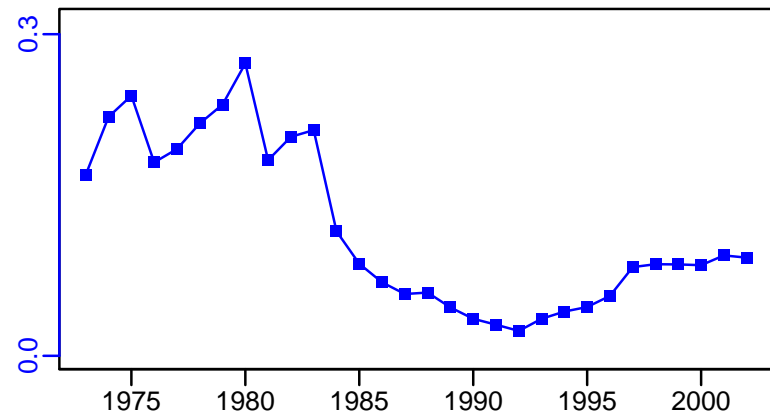
TN *



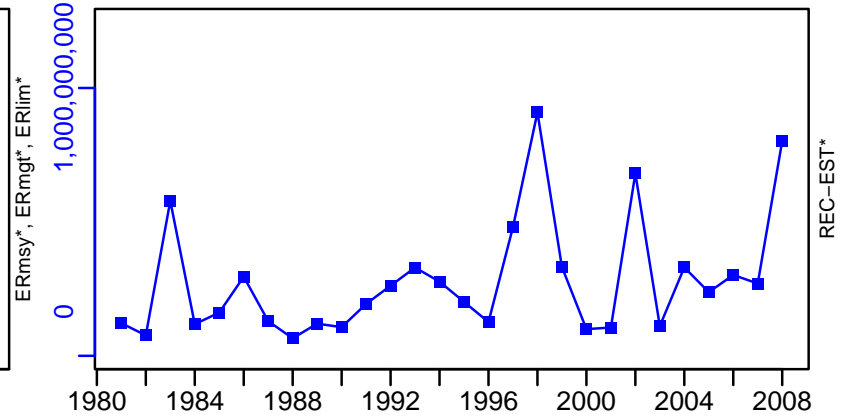
F-1/yr (1981-2008-HIVELY)



ER-ratio (1973-2002-STANTON)

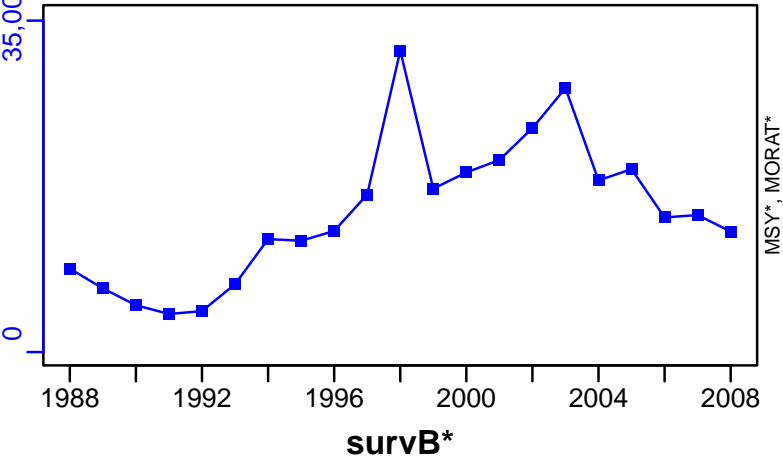


R-E00 (1981-2008-HIVELY)



Atlantic croaker Mid-Atlantic Coast [ATLCROAKMATLC]

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



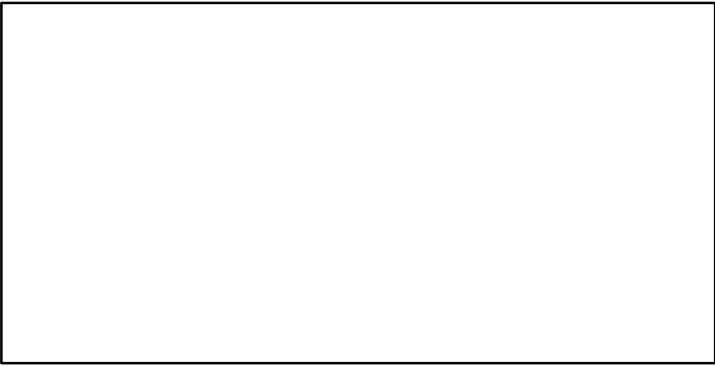
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



CdivMSY*



Atlantic wolffish Gulf of Maine / Georges Bank [AWOLF5YZ]

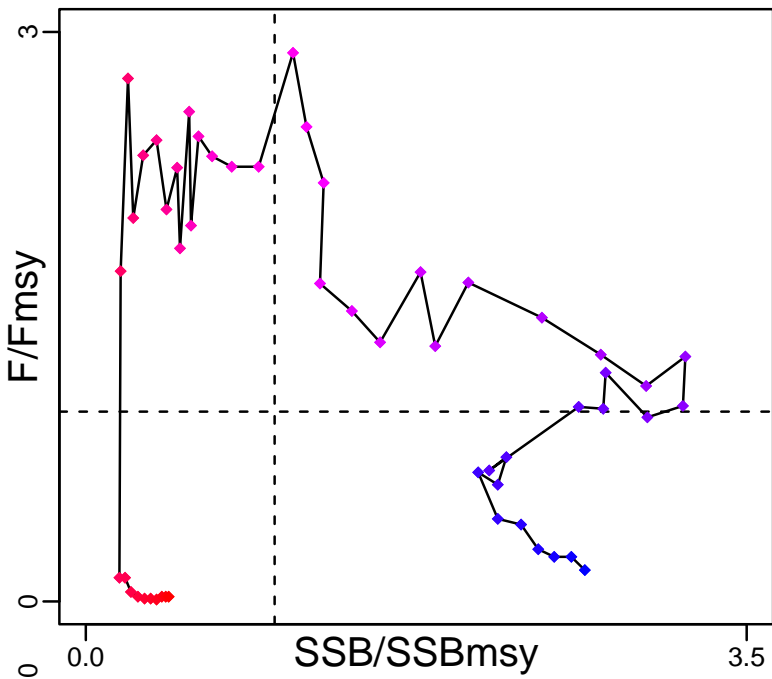
| Metadata | |
|-----------------------------|---|
| Scientific Name | Anarhichas lupus |
| Current Assess ID | NEFSC-AWOLF5YZ-1968-2019-SISIMP2021-2 |
| Area | Gulf of Maine / Georges Bank |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2016, 2014, 2019 |

| Reference Points | | | |
|------------------|-----------|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2019 | 1540 |
| Fmsy | Fmsy-1/yr | 2019 | 0.2 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2019 | 218 |
| M | - | - | - |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2019 | 772 |
| Flim | Flim-1/yr | 2019 | 0.2 |
| ERlim | - | - | - |

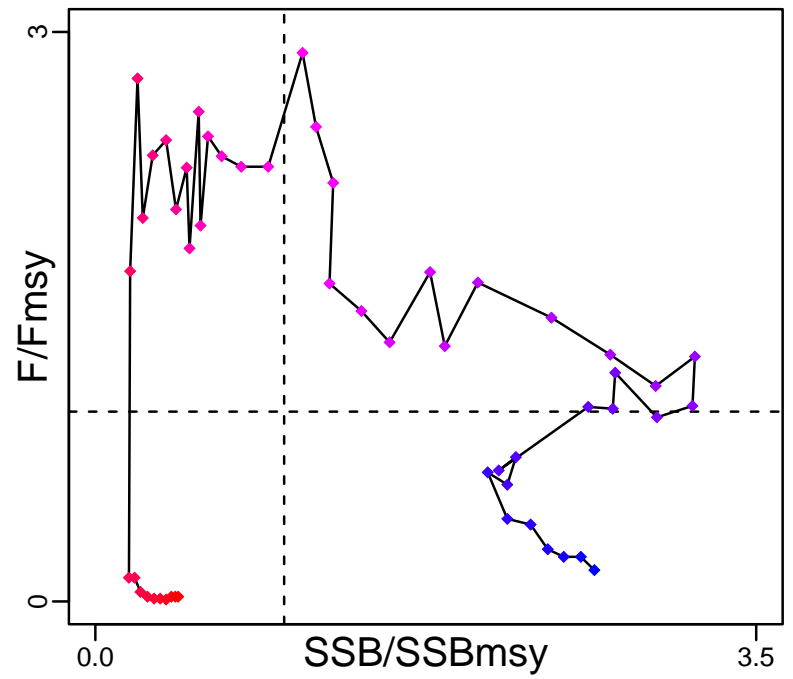
| Time Series | | | | | |
|-------------------|------------------|-----------|-------------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2019 | 676 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2019 | 2.8×10^8 | - | 0 |
| F | F-1/yr | 2019 | 0.005 | - | - |
| ER | - | - | - | - | - |
| TC | TC-MT | 2019 | 2.76 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2019 | 0.439 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2019 | 0.025 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Atlantic wolffish Gulf of Maine / Georges Bank [AWOLF5YZ]

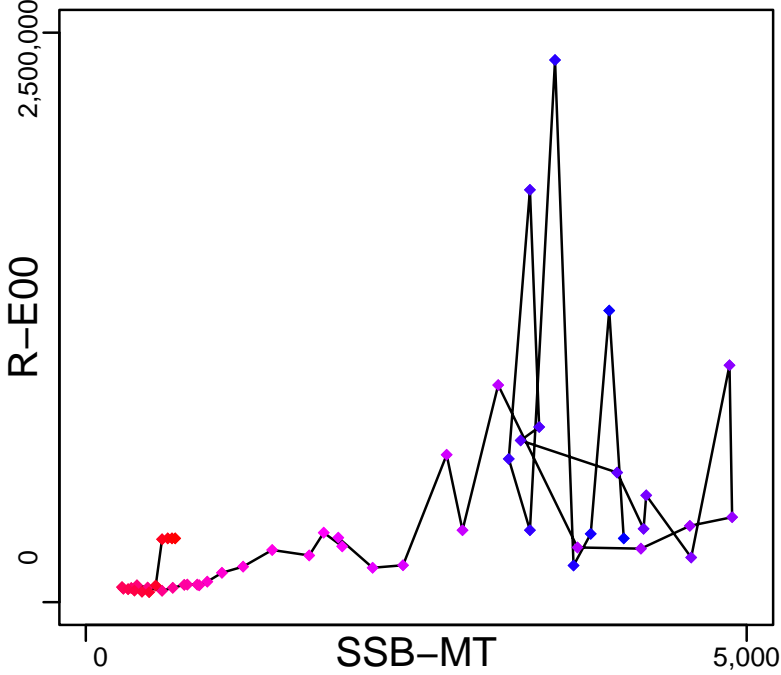
Kobe MSYpref (1968–2019–SISIMP2021–2)



Kobe MGTpref (1968–2019–SISIMP2021–2)



Spawner Recruit (1968–2019–SISIMP2021–2)



Production*



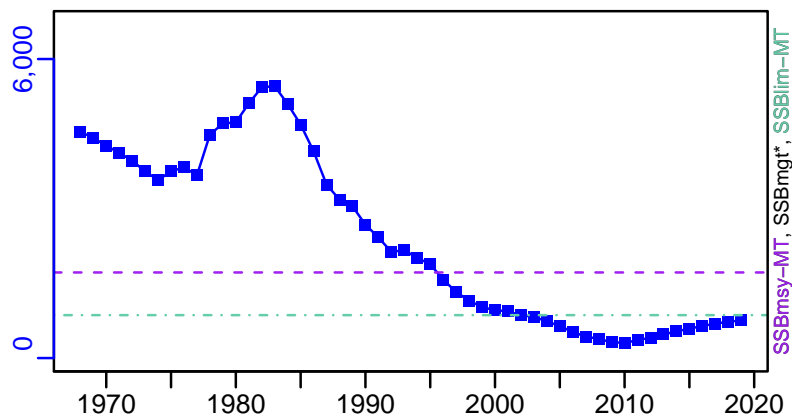
◆ Start Year ◆ End Year * No Data

Atlantic wolffish Gulf of Maine / Georges Bank [AWOLF5YZ]

TB*



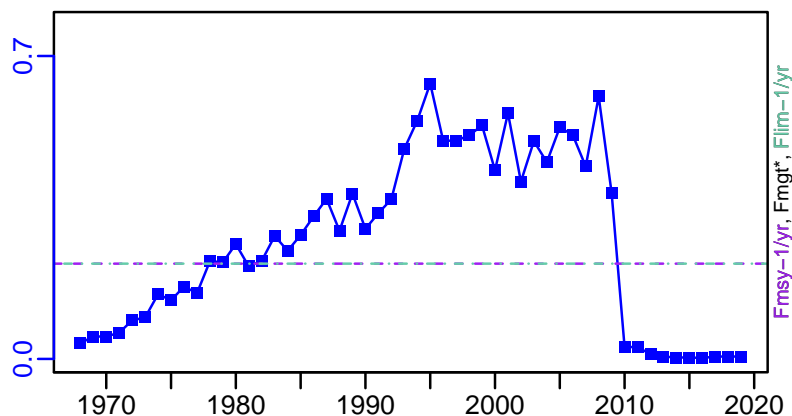
SSB-MT (1968–2019–SISIMP2021–2)



TN *



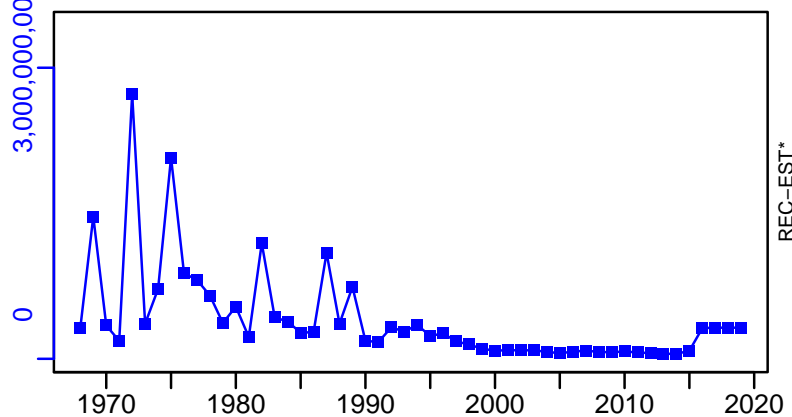
F-1/yr (1968–2019–SISIMP2021–2)



ER*



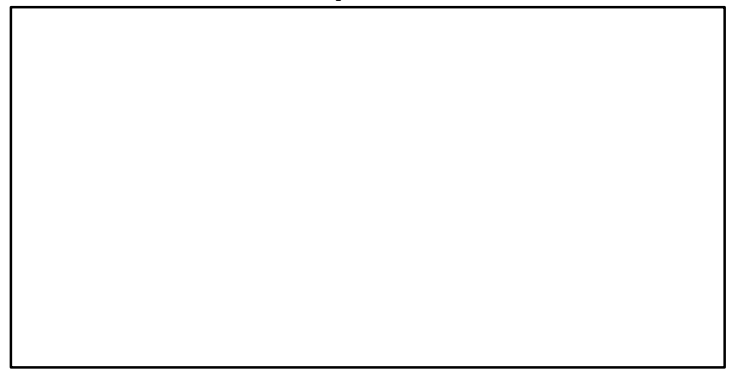
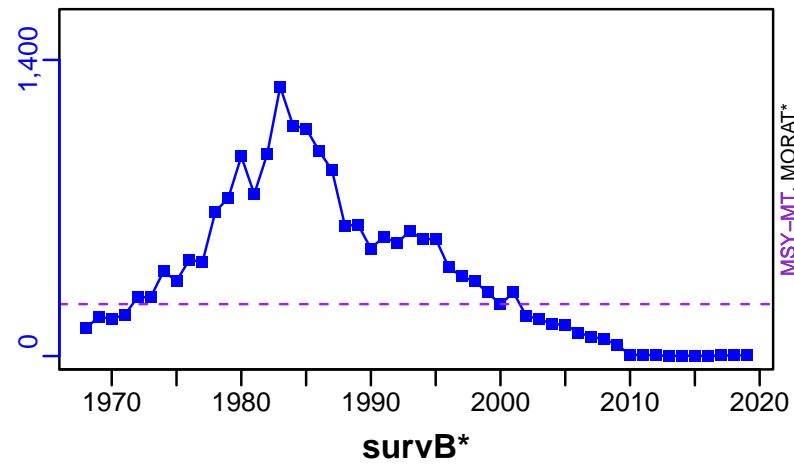
R-E00 (1968–2019–SISIMP2021–2)



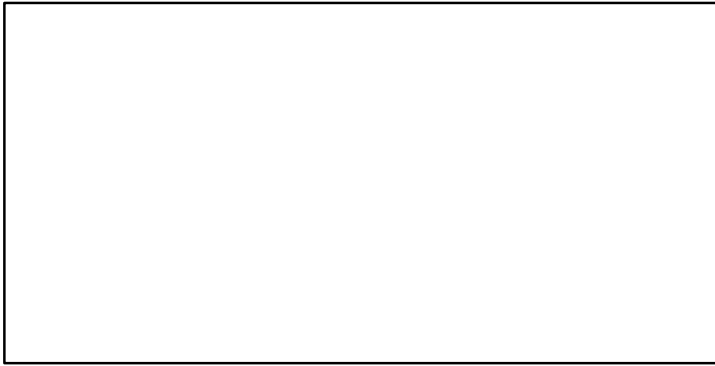
Atlantic wolffish Gulf of Maine / Georges Bank [AWOLF5YZ]

TC-MT, TL*, RecC* (1968-2019-SISIMP2021-2)

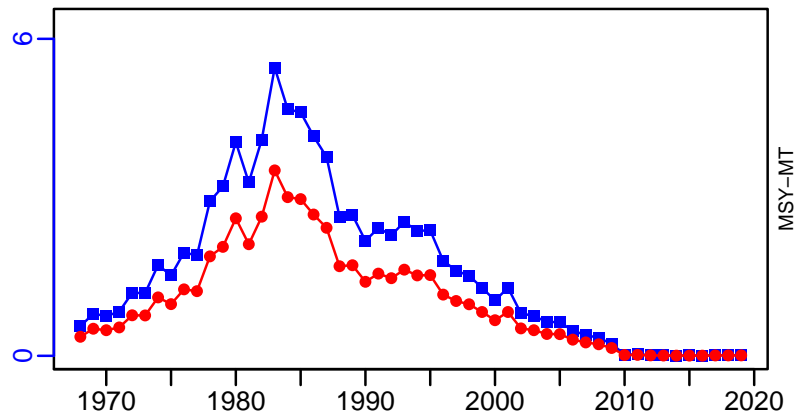
TAC*, Cpair*, Cadv*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1968-2019-SISIMP2021-2)



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

Blue crab Chesapeake Bay [BCRABCHESB]

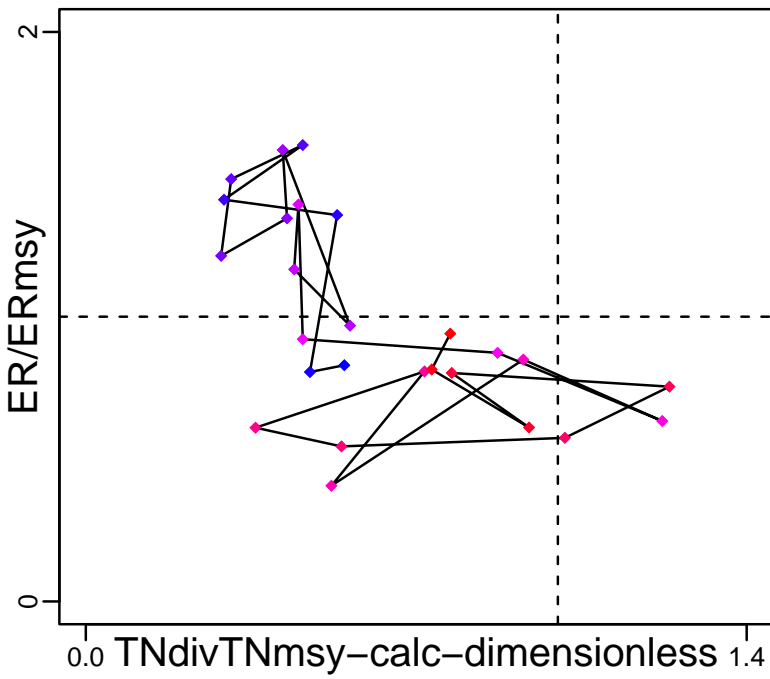
| Metadata | |
|----------------------|---------------------------------|
| Scientific Name | Callinectes sapidus |
| Current Assess ID | CBP-BCRABCHESB-1990-2022-HIVELY |
| Area | Chesapeake Bay |
| Management Authority | State of Maryland |
| Assessor | Chesapeake Bay Program |
| Asmts in RAM | 2010, 2022 |

| Reference Points | | | |
|------------------|-------------|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | - | - | - |
| Fmsy | - | - | - |
| ERmsy | ERmsy-ratio | 2022 | 0.28 |
| 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 | 2022 | 97,224,975 | - | - |
| R | - | - | - | - | - |
| F | - | - | - | - | - |
| ER | ER-ratio | 2022 | 0.263 | - | - |
| TC | TC-E00 | 2010 | 1.69×10^8 | | |
| TL | TL-MT | 2022 | 16,664 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | ER-ratio/ERmsy-ratio | 2022 | 0.941 | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

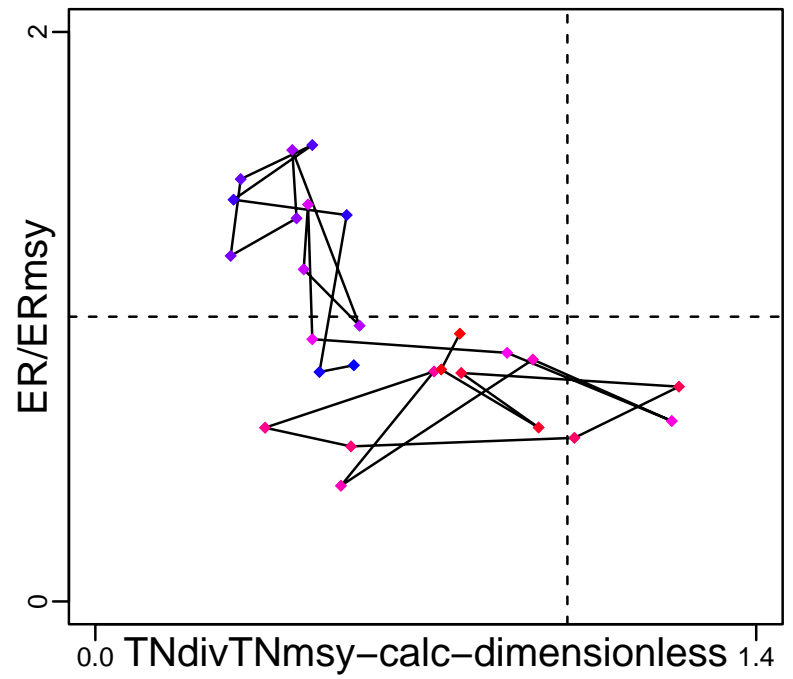
Blue crab Chesapeake Bay [BCRABCHESB]

Kobe MSYpref (1990–2022–HIVELY)



Spawner Recruit*

Kobe MGTpref (1990–2022–HIVELY)



Production*

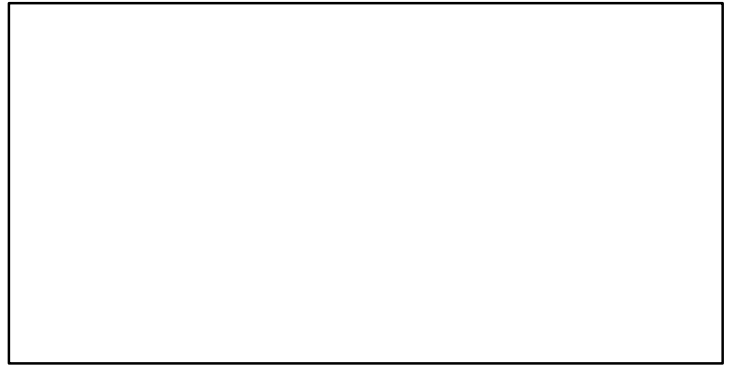
◆ Start Year ◆ End Year * No Data

Blue crab Chesapeake Bay [BCRABCHESB]

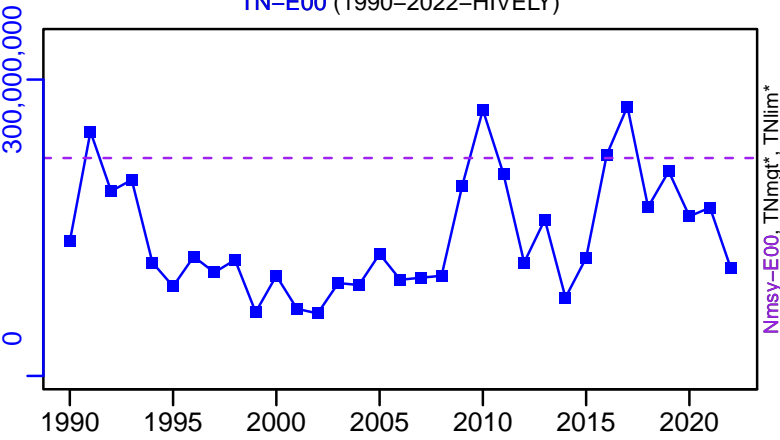
TB*



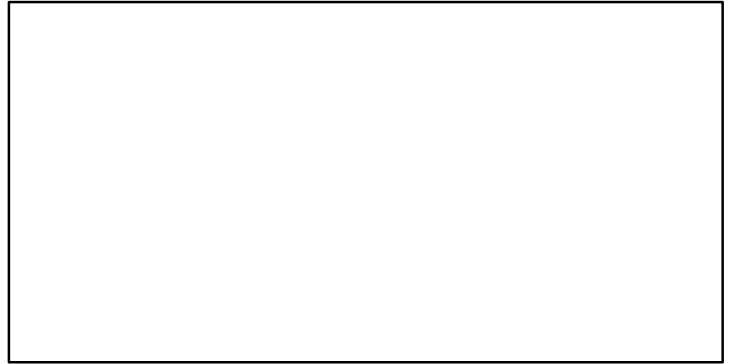
SSB*



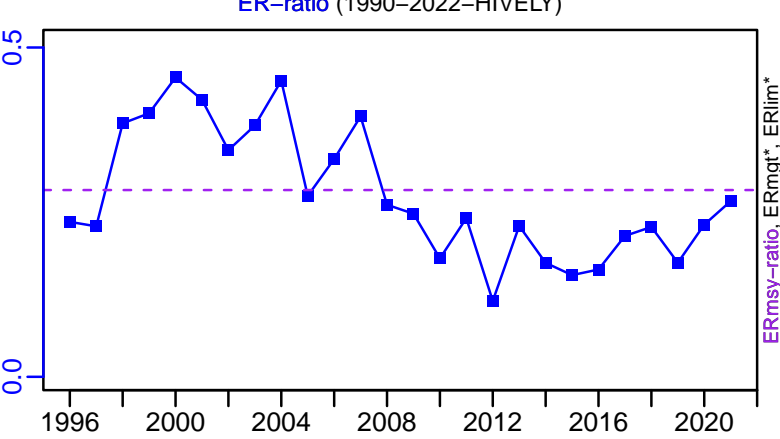
TN-E00 (1990–2022–HIVELY)



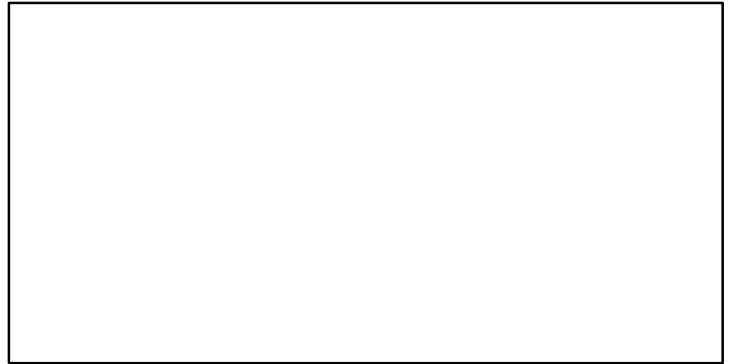
F*



ER-ratio (1990–2022–HIVELY)



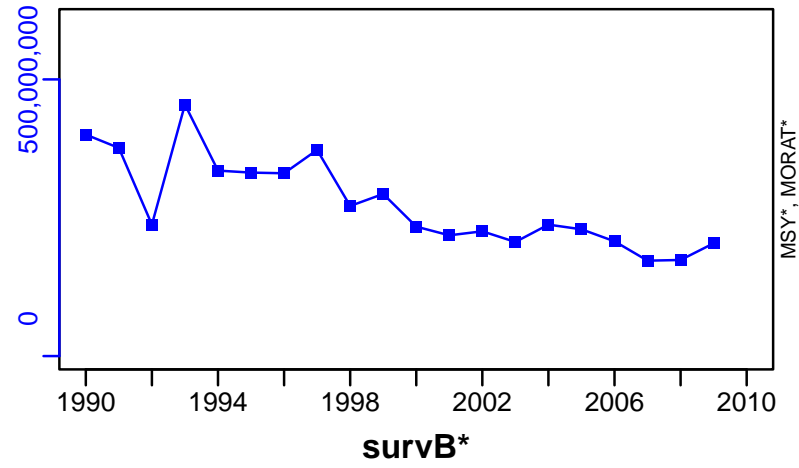
Recruits*



Blue crab Chesapeake Bay [BCRABCHESB]

TC-E00, TL*, RecC* (1990–2010–HIVELY)

TAC*, Cpair*, Cadv*



Bluefish Atlantic Coast [BLUEFISHATLC]

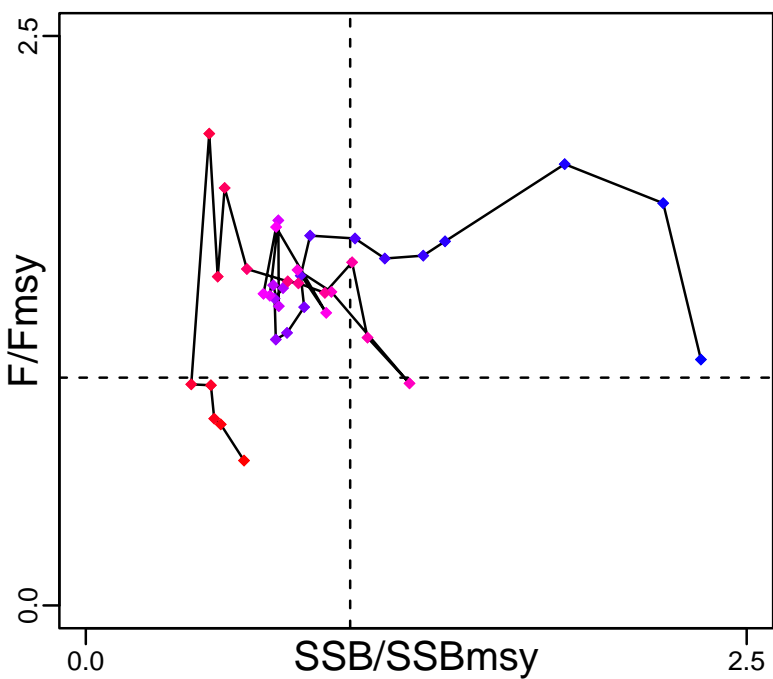
| Metadata | |
|-----------------------------|---|
| Scientific Name | Pomatomus saltatrix |
| Current Assess ID | NEFSC-BLUEFISHATLC-1985-2022-SISIMP2024 |
| Area | Atlantic Coast |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2007, 2014, 2018, 2019, 2022 |

| Reference Points | | | |
|------------------|-------------|-----------|---------|
| Type | ID | Asmt Year | Value |
| TBmsy | TBmsy-MT | 2007 | 147,052 |
| SSBmsy | SSBmsy-MT | 2022 | 88,131 |
| Fmsy | Fmsy-1/yr | 2022 | 0.239 |
| ERmsy | ERmsy-ratio | 2007 | 0.106 |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2022 | 18,979 |
| M | M-1/yr | 2007 | 0.2 |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2022 | 44,066 |
| Flim | Flim-1/yr | 2019 | 0.181 |
| ERlim | - | - | - |

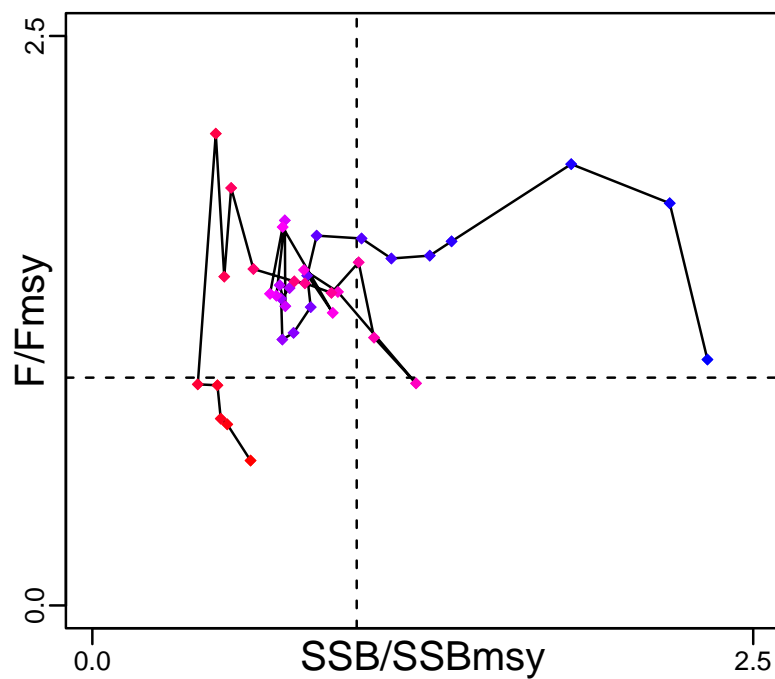
| Time Series | | | | | |
|-------------------|----------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2014 | 94,300 | - | - |
| SSB | SSB-MT | 2022 | 52,747 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2022 | 137,139 | - | 0 |
| F | F-1/yr | 2022 | 0.152 | - | - |
| ER | ER-calc-ratio | 2014 | 0.104 | - | - |
| TC | TC-MT | 2022 | 7436 | | |
| TL | - | - | - | | |
| TB/TBmsy | TB-MT/TBmsy-MT | 2007 | 1.047 | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2022 | 0.599 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2022 | 0.636 | | |
| ER/ERmsy | ER-ratio/ERmsy-ratio | 2007 | 0.954 | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Bluefish Atlantic Coast [BLUEFISHATLC]

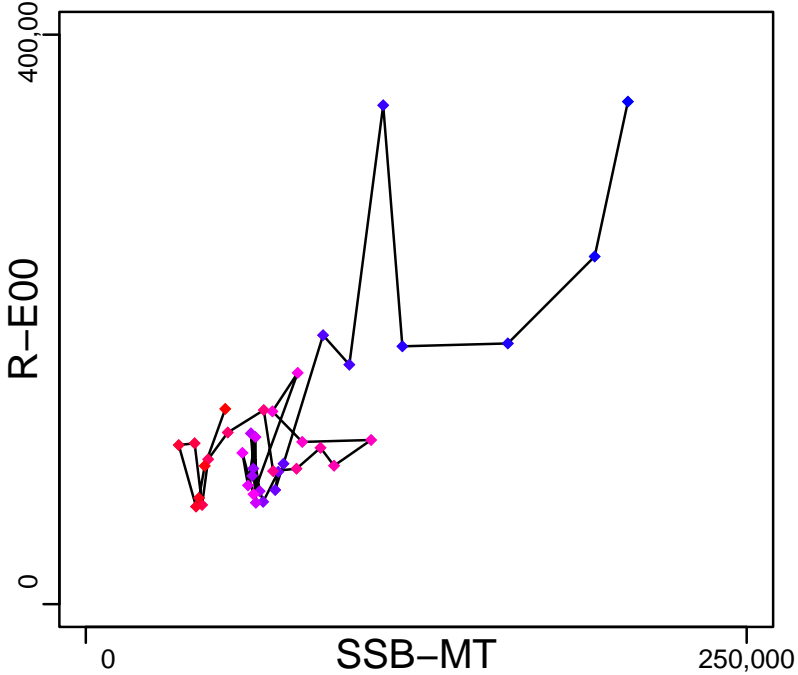
Kobe MSYpref (1985–2022–SISIMP2024)



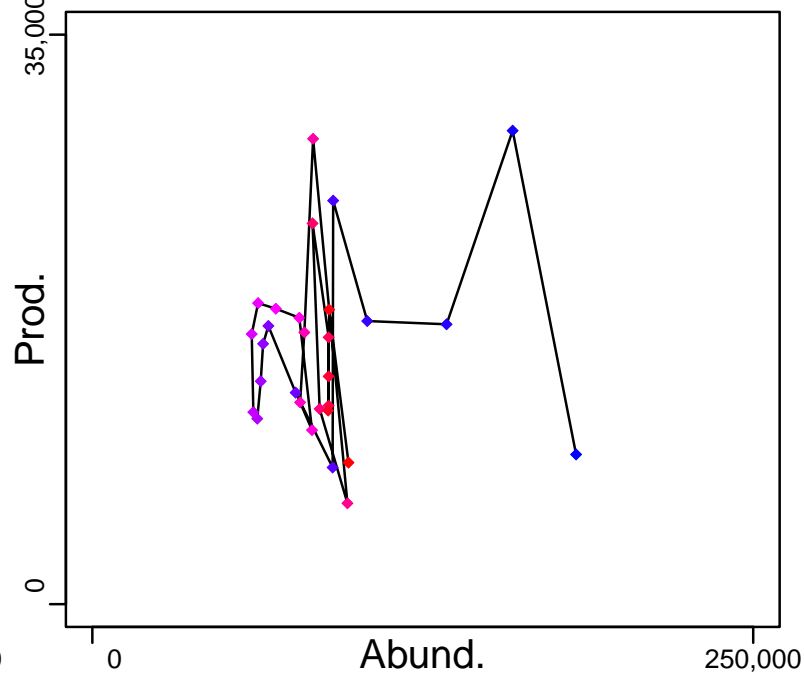
Kobe MGTpref (1985–2022–SISIMP2024)



Spawner Recruit (1985–2022–SISIMP2024)



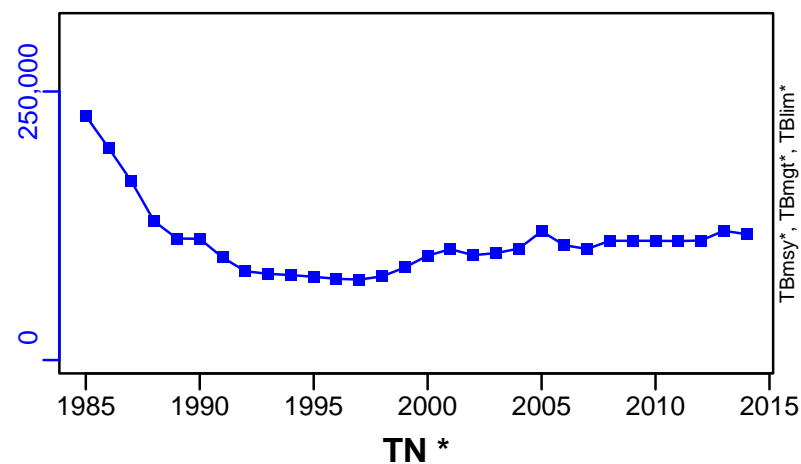
Production (1985–2014–SISIMP2016)



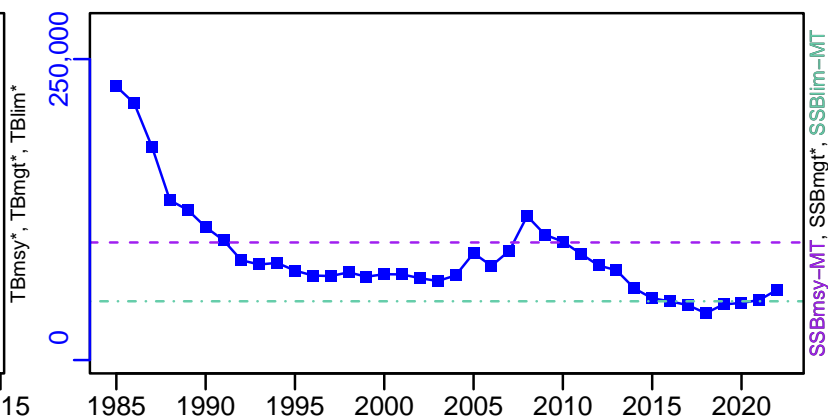
◆ Start Year ◆ End Year * No Data

Bluefish Atlantic Coast [BLUEFISHATLC]

TB-MT (1985–2014–SISIMP2016)



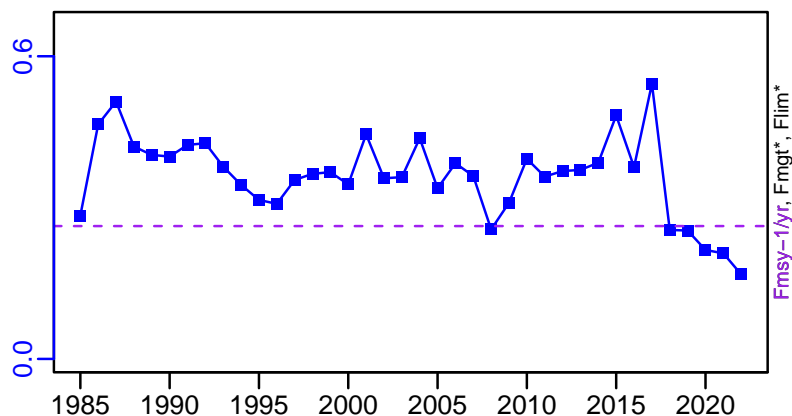
SSB-MT (1985–2022–SISIMP2024)



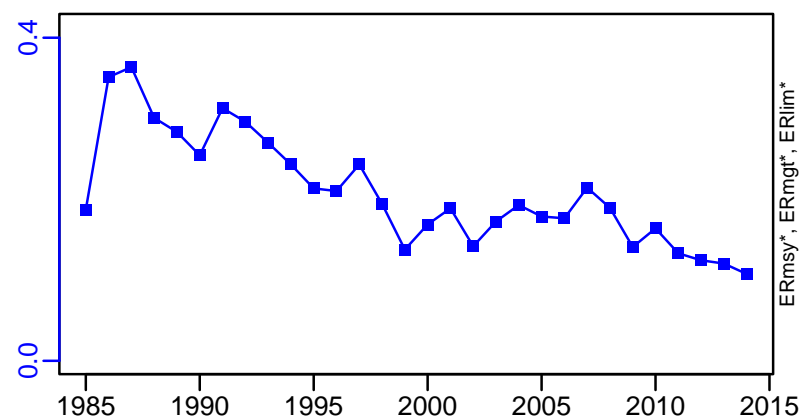
TN *



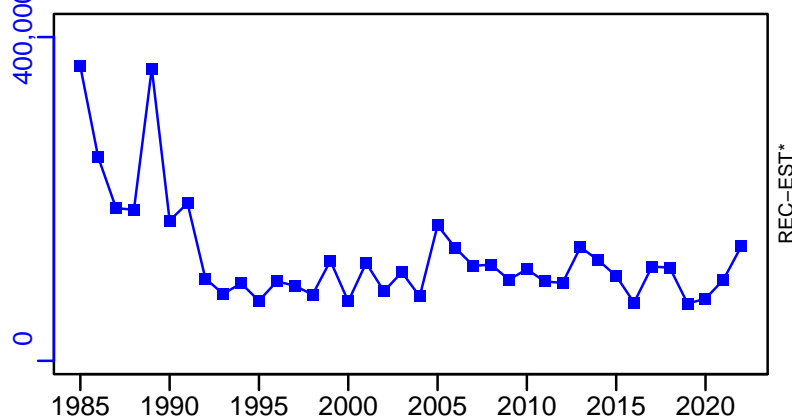
F-1/yr (1985–2022–SISIMP2024)



ER-calc-ratio (1985–2014–SISIMP2016)



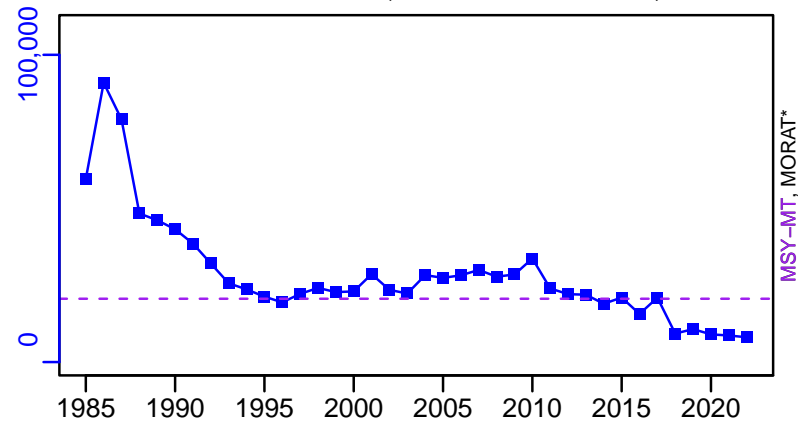
R-E00 (1985–2022–SISIMP2024)



Bluefish Atlantic Coast [BLUEFISHATLC]

TC-MT, TL*, RecC* (1985-2022-SISIMP2024)

TAC*, Cpair*, Cadv*



survB*



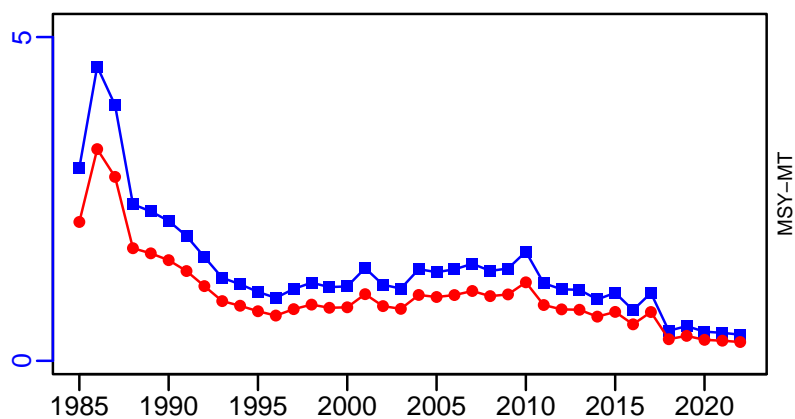
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1985-2022-SISIMP2024)



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

Black sea bass Mid-Atlantic Coast [BSBASSMATLC]

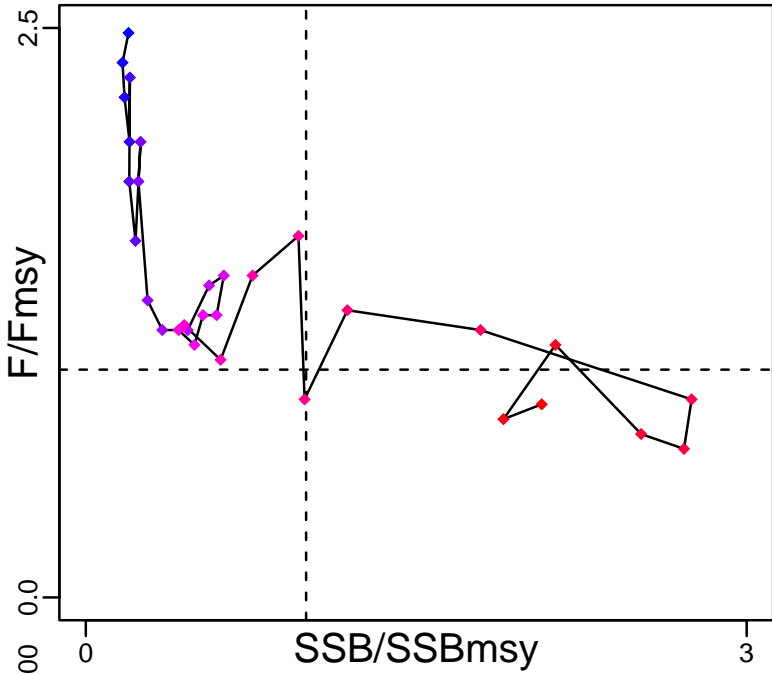
| Metadata | |
|-----------------------------|---|
| Scientific Name | Centropristis striata |
| Current Assess ID | NEFSC-BSBASSMATLC-1989-2019-SISIMP2021-2 |
| Area | Mid-Atlantic Coast |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2015, 2007, 2011, 2018, 2019 |

| Reference Points | | | |
|------------------|------------------|-----------|--------|
| Type | ID | Asmt Year | Value |
| TBmsy | TBmsy-MT | 2015 | 17,256 |
| SSBmsy | SSBmsy-MT | 2019 | 14,400 |
| Fmsy | Fmsy-1/yr | 2019 | 0.46 |
| ERmsy | ERmsy-calc-ratio | 2015 | 0.179 |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2019 | 5330 |
| M | M-1/yr | 2015 | 0.4 |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2019 | 7220 |
| Flim | Flim-1/yr | 2019 | 0.46 |
| ERlim | - | - | - |

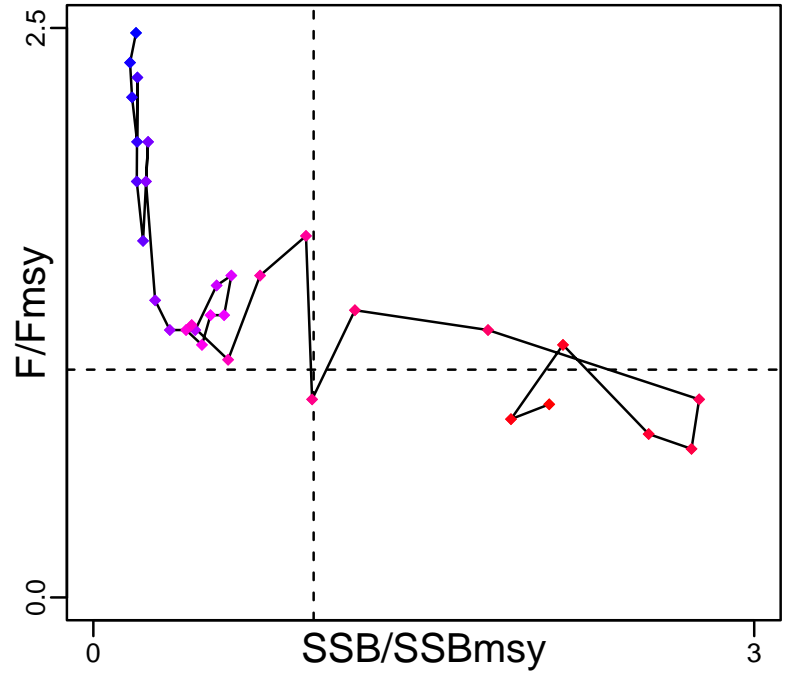
| Time Series | | | | | |
|-------------------|--------------------------------|-----------|-----------------------|------|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2015 | 16,850 | Both | - |
| SSB | SSB-MT | 2019 | 29,800 | - | - |
| TN | TN-E00 | 2015 | 70,334,820 | Both | - |
| R | R-E00 | 2019 | 4.62×10^{10} | - | 1 |
| F | F-1/yr | 2019 | 0.39 | - | - |
| ER | ER-calc-ratio | 2015 | 0.07 | - | - |
| TC | TC-MT | 2019 | 7990 | | |
| TL | TL-MT | 2015 | 1183 | | |
| TB/TBmsy | TB-MT/TBmsy-MT | 2015 | 0.976 | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2019 | 2.069 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2019 | 0.848 | | |
| ER/ERmsy | ER-calc-ratio/ERmsy-calc-ratio | 2015 | 0.391 | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Black sea bass Mid-Atlantic Coast [BSBASSMATLC]

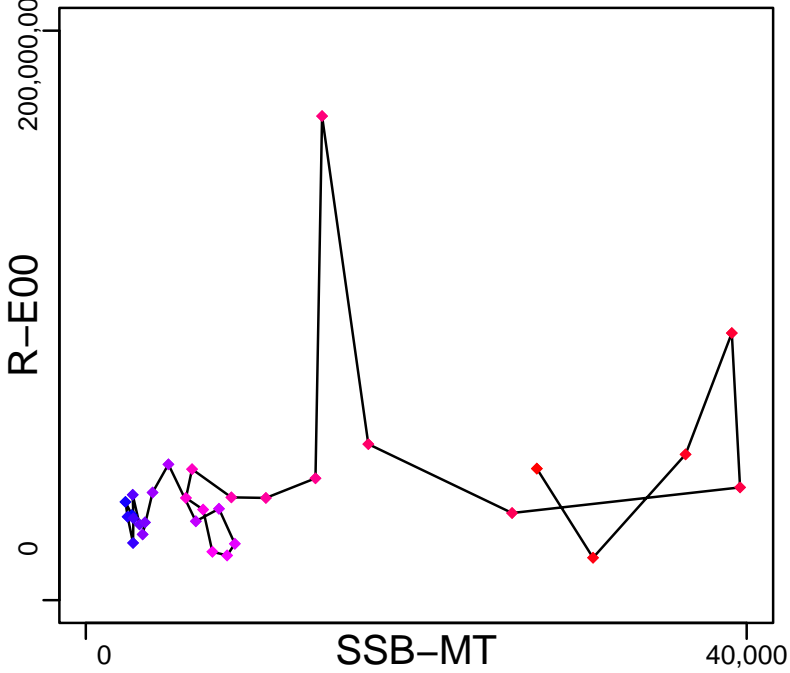
Kobe MSYpref (1989–2019–SISIMP2021–2)



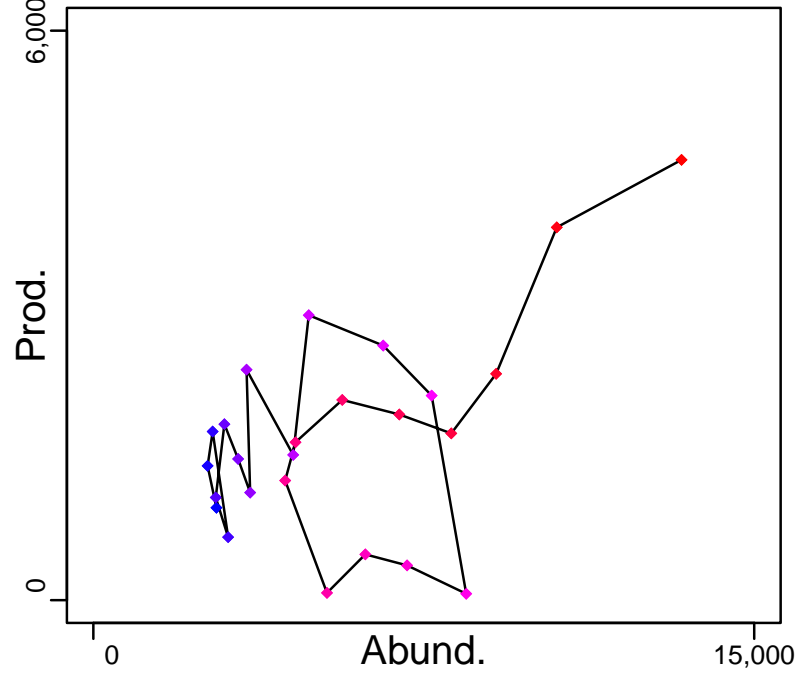
Kobe MGTpref (1989–2019–SISIMP2021–2)



Spawner Recruit (1989–2019–SISIMP2021–2)



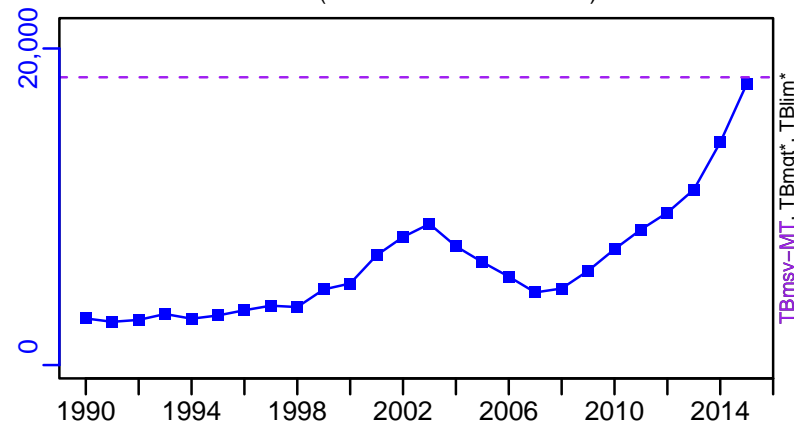
Production (1939–2015–ASHBROOK)



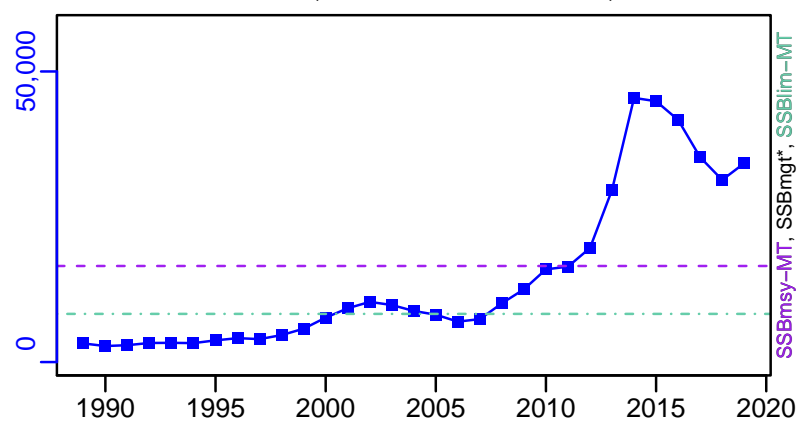
◆ Start Year ◆ End Year * No Data

Black sea bass Mid-Atlantic Coast [BSBASSMATLC]

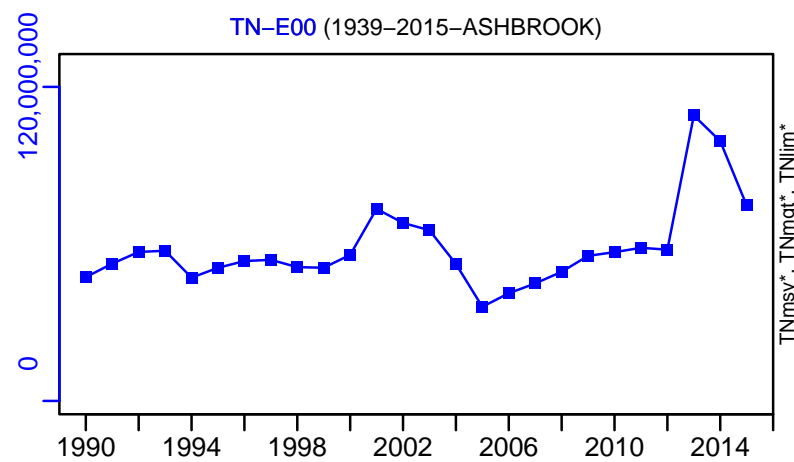
TB-MT (1939–2015–ASHBROOK)



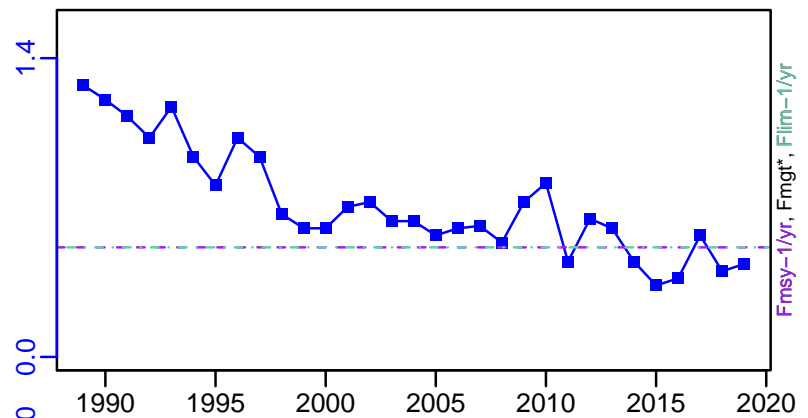
SSB-MT (1989–2019–SISIMP2021–2)



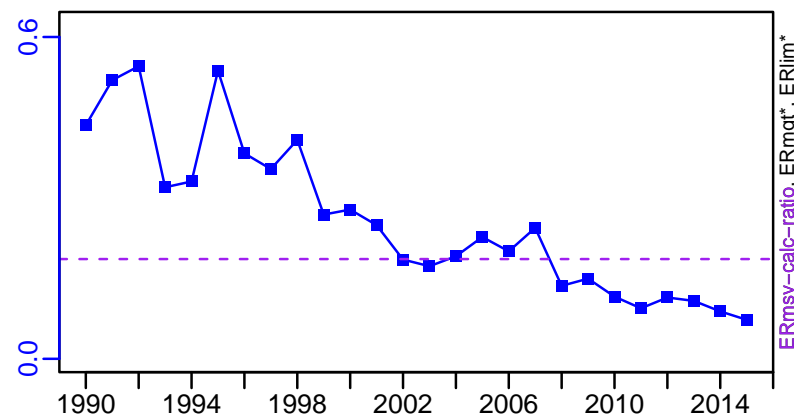
TN-E00 (1939–2015–ASHBROOK)



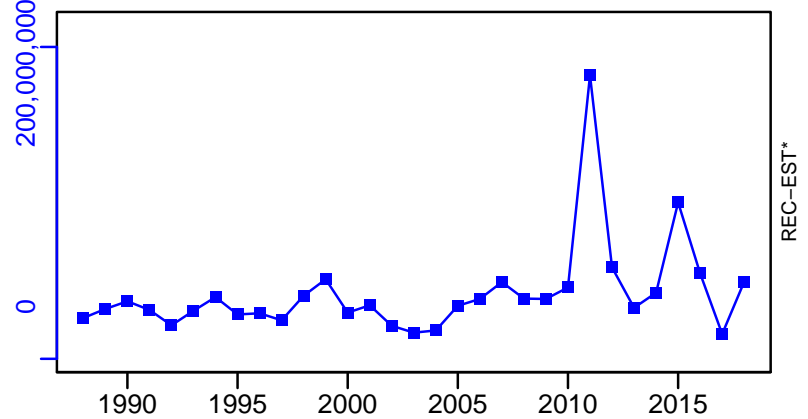
F-1/yr (1989–2019–SISIMP2021–2)



ER-calc-ratio (1939–2015–ASHBROOK)



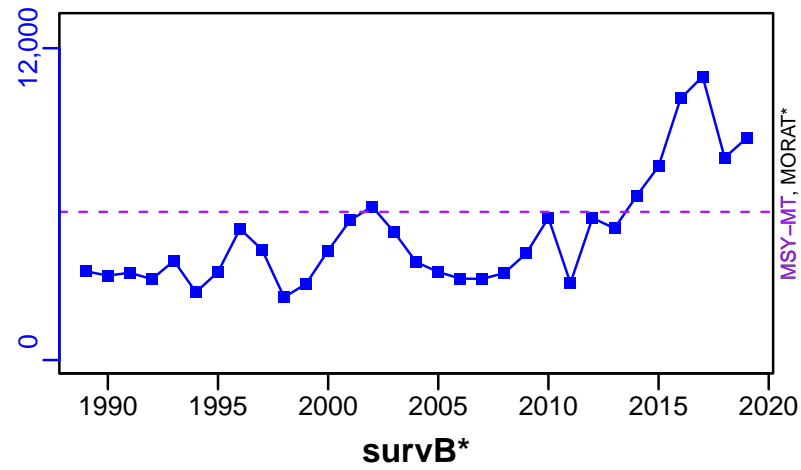
R-E00 (1989–2019–SISIMP2021–2)



Black sea bass Mid-Atlantic Coast [BSBASSMATLC]

TC-MT, TL*, RecC* (1989-2019-SISIMP2021-2)

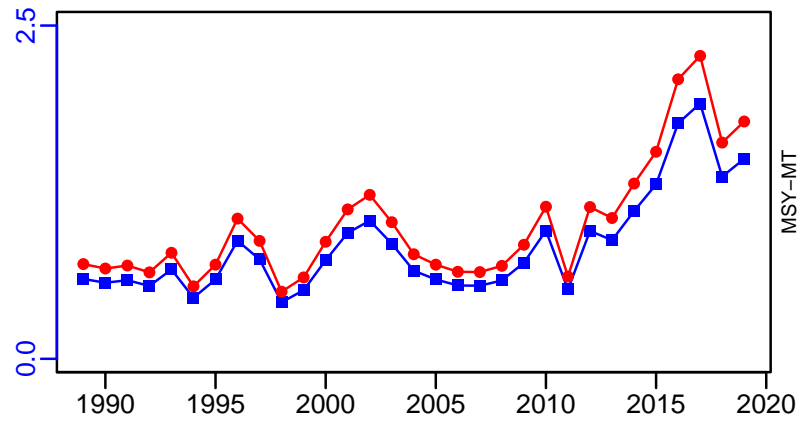
TAC*, Cpair*, Cadv*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1989-2019-SISIMP2021-2)



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

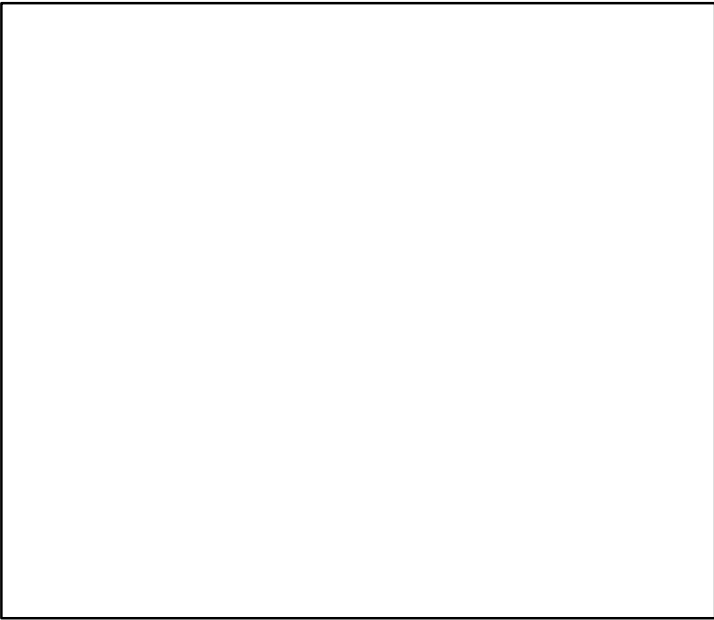
**Barndoor skate Gulf of Maine / Georges Bank-Southern New England
[BSKAT5YZSNE]**

| Metadata | |
|-----------------------------|---|
| Scientific Name | Dipturus laevis |
| Current Assess ID | NEFSC-BSKAT5YZSNE-1965-2019-SISIMP2021-2 |
| Area | Gulf of Maine / Georges Bank-Southern New England |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2005, 2018, 2019 |

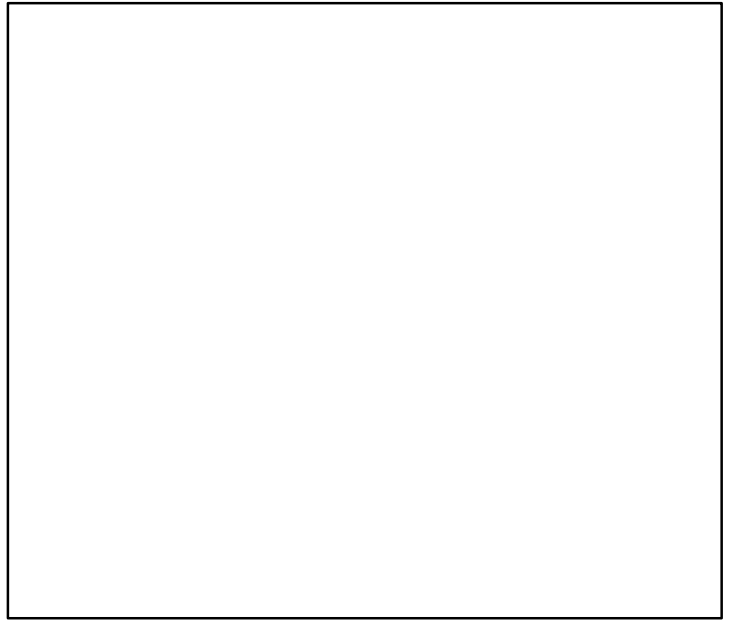
| Reference Points | | | |
|------------------|----|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | - | - | - |
| Fmsy | - | - | - |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| 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 | 2019 | 1350 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

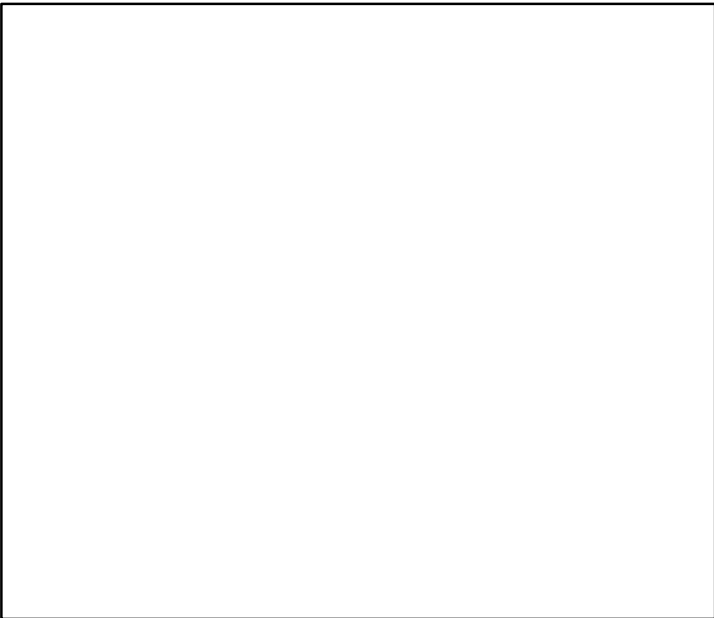
Kobe MSY*



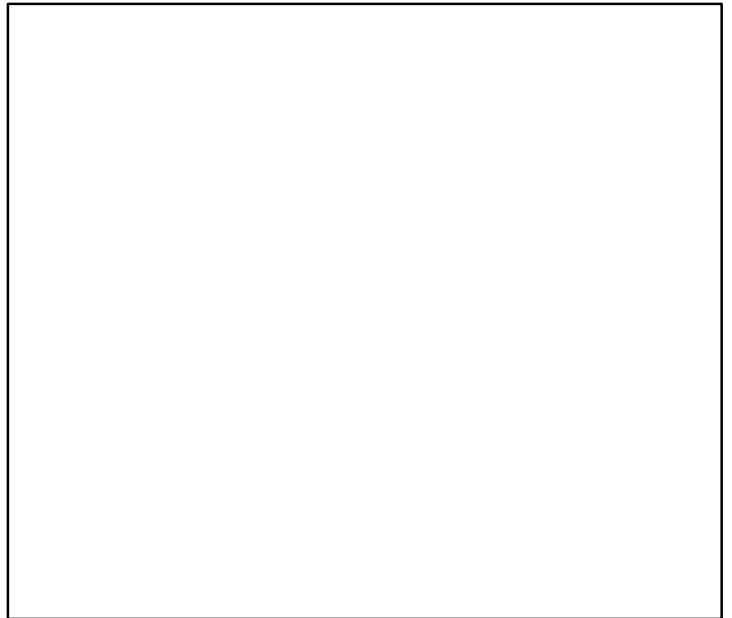
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*



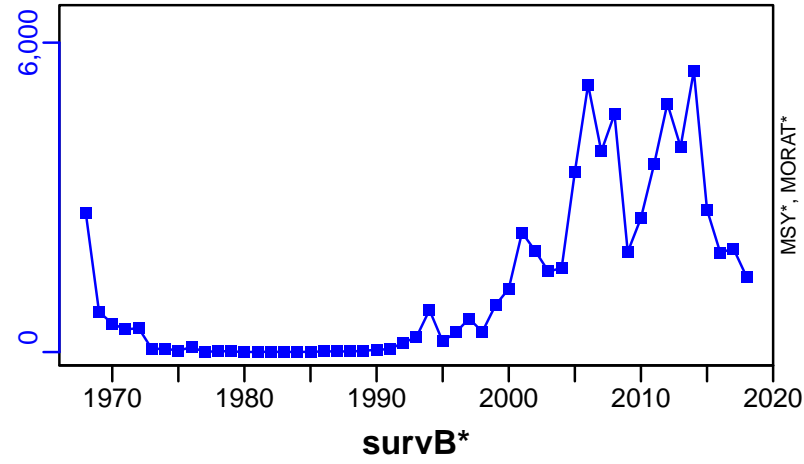
Recruits*



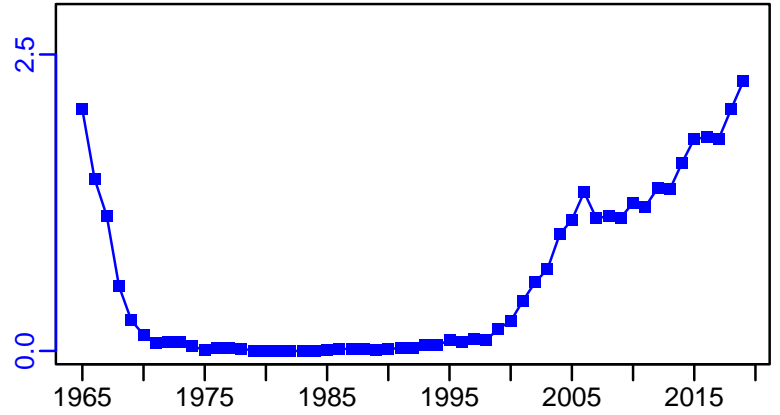
Barndoor skate Gulf of Maine / Georges Bank–Southern New England [BSKAT5YZSNE]

TC–MT, TL*, RecC* (1965–2019–SISIMP2021–2)

TAC*, Cpair*, Cadv*



CPUE–index (1965–2019–SISIMP2021–2)



EFFORT*



CdivMSY*



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

Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]

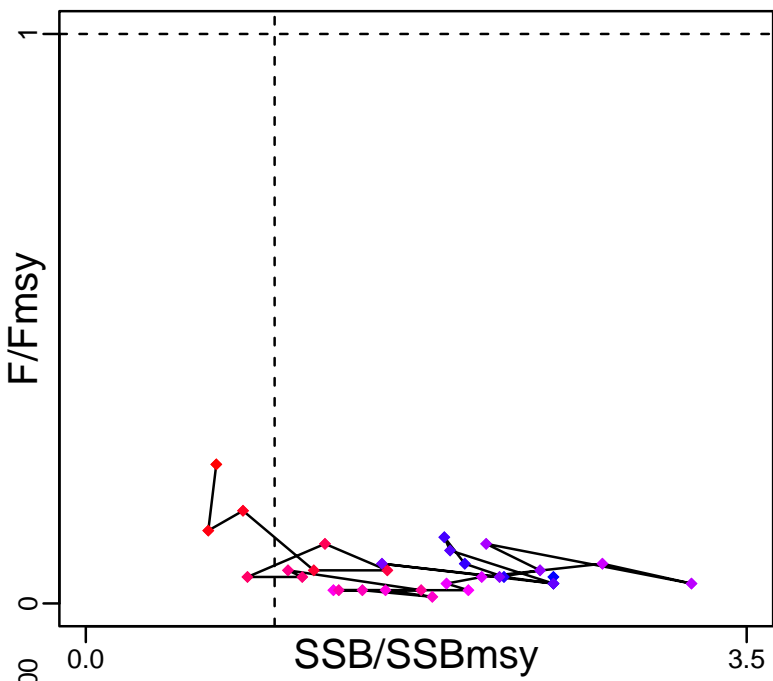
| Metadata | |
|-----------------------------|---|
| Scientific Name | <i>Peprilus triacanthus</i> |
| Current Assess ID | NEFSC-BUTTERGOMCHATT-1989-2019-SISIMP2021-2 |
| Area | Gulf of Maine / Cape Hatteras |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2012, 2016, 2019 |

| Reference Points | | | |
|------------------|-----------|-----------|--------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2019 | 42,400 |
| Fmsy | Fmsy-1/yr | 2019 | 0.86 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2016 | 36,199 |
| M | - | - | - |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2019 | 21,200 |
| Flim | Flim-1/yr | 2019 | 0.86 |
| ERlim | - | - | - |

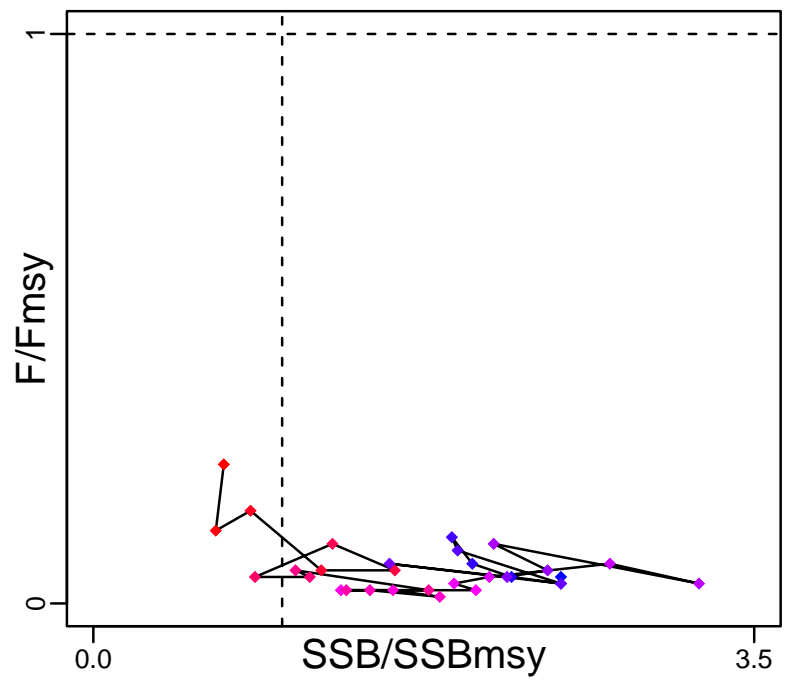
| Time Series | | | | | |
|-------------------|------------------|-----------|--------------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2019 | 29,300 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2019 | 2.93×10^9 | - | 0 |
| F | F-1/yr | 2019 | 0.21 | - | - |
| ER | - | - | - | - | - |
| TC | TC-MT | 2019 | 5080 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2019 | 0.691 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2019 | 0.244 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]

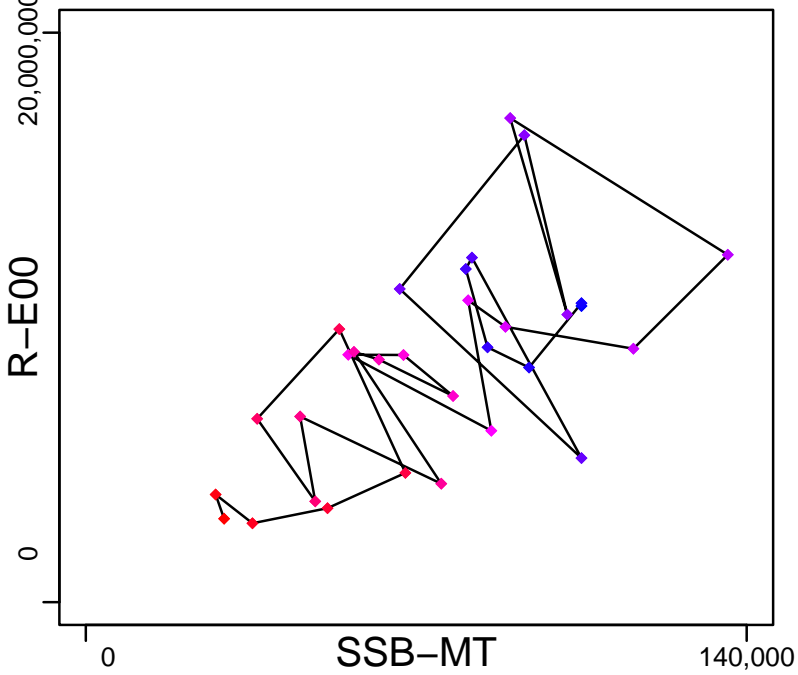
Kobe MSYpref (1989–2019–SISIMP2021–2)



Kobe MGTpref (1989–2019–SISIMP2021–2)



Spawner Recruit (1989–2019–SISIMP2021–2)



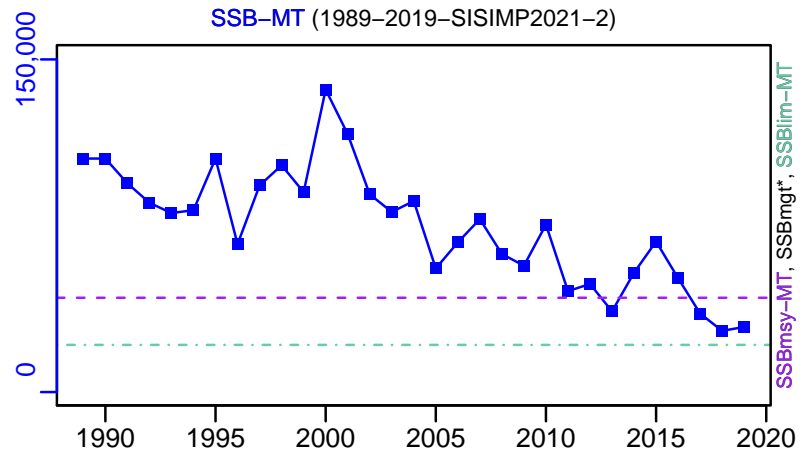
Production*



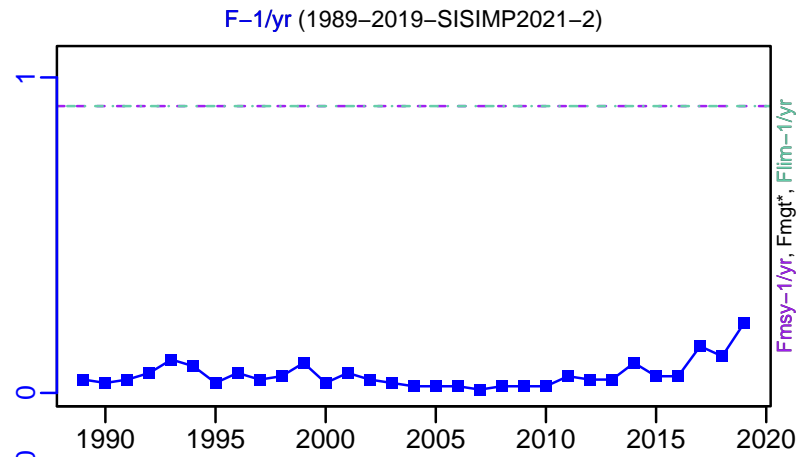
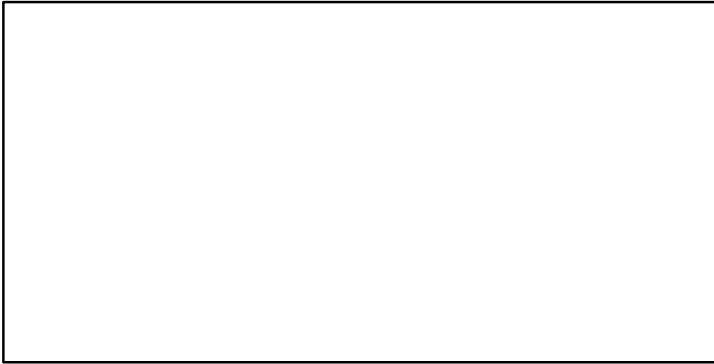
◆ Start Year ◆ End Year * No Data

Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]

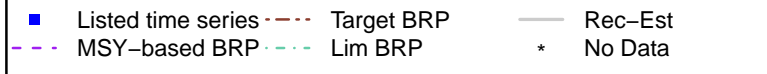
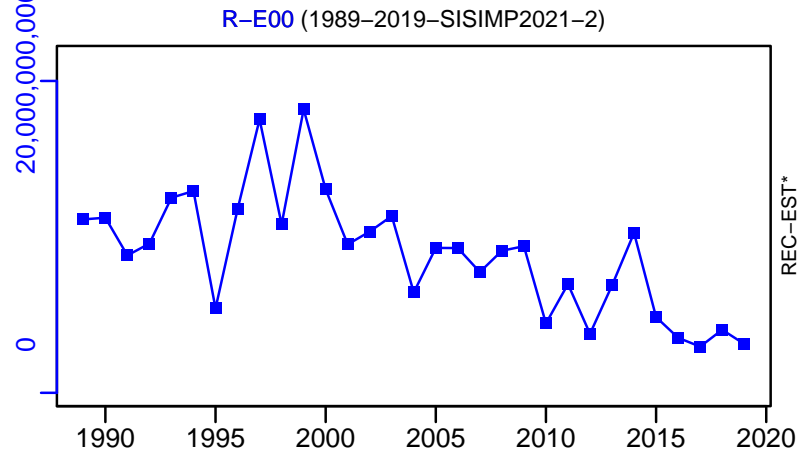
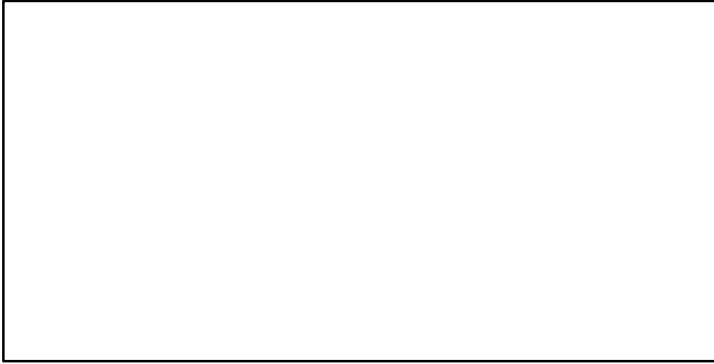
TB*



TN *

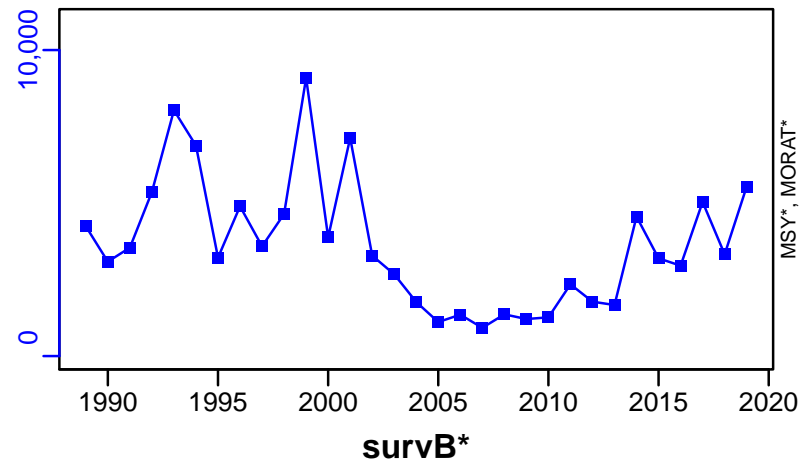


ER*

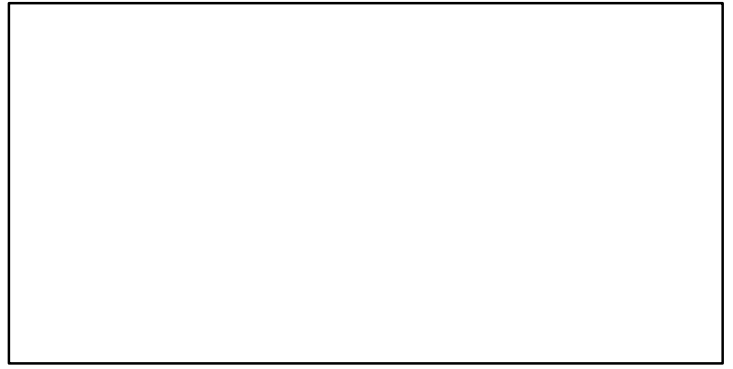


Atlantic butterfish Gulf of Maine / Cape Hatteras [BUTTERGOMCHATT]

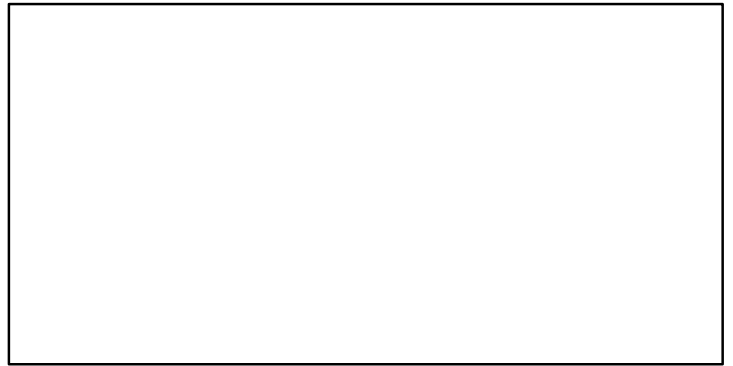
TC-MT, TL*, RecC* (1989-2019-SISIMP2021-2)



TAC*, Cpair*, Cadv*



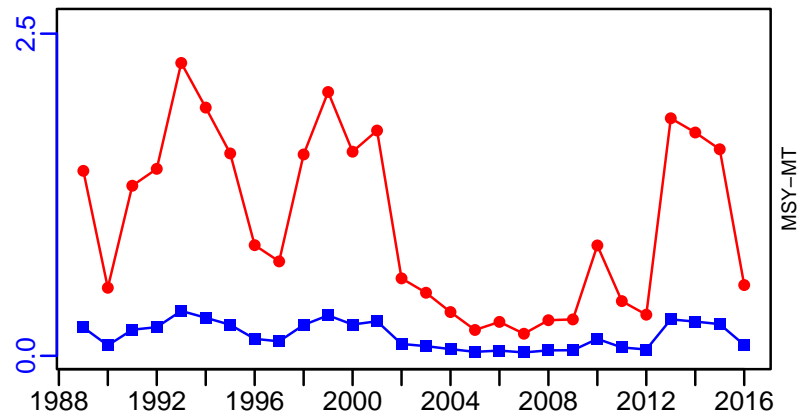
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1989-2016-SISIMP2021)



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

Atlantic cod Georges Bank [CODGB]

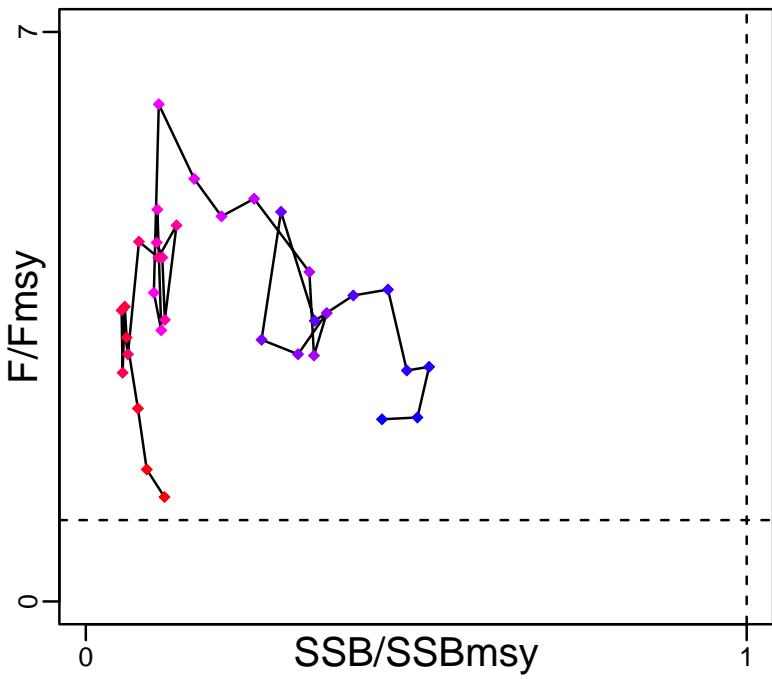
| Metadata | |
|-----------------------------|---|
| Scientific Name | Gadus morhua |
| Current Assess ID | NEFSC-CODGB-1981-2019-SISIMP2021-2 |
| Area | Georges Bank |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2011, 2019, 2016 |

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

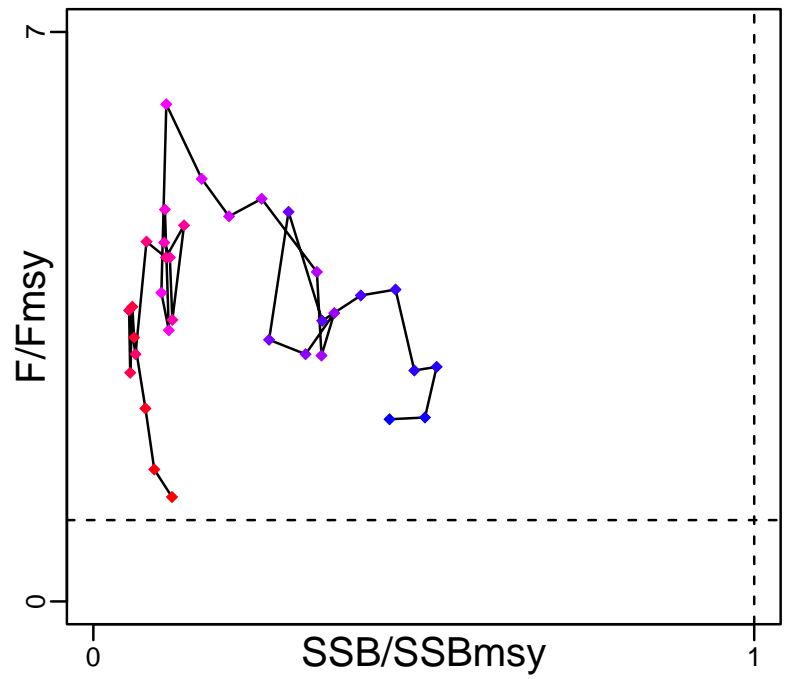
| Time Series | | | | | |
|-------------------|------------------|-----------|------------|-----|------|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2011 | 22,200 | - | 2.4+ |
| TN | - | - | - | - | - |
| R | R-E00 | 2011 | 7,930,000 | - | - |
| F | F-1/yr | 2011 | 0.231 | - | - |
| ER | ER-ratio | 2019 | 0.119 | - | - |
| TC | TC-MT | 2019 | 1180 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2011 | 0.119 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2011 | 1.283 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Atlantic cod Georges Bank [CODGB]

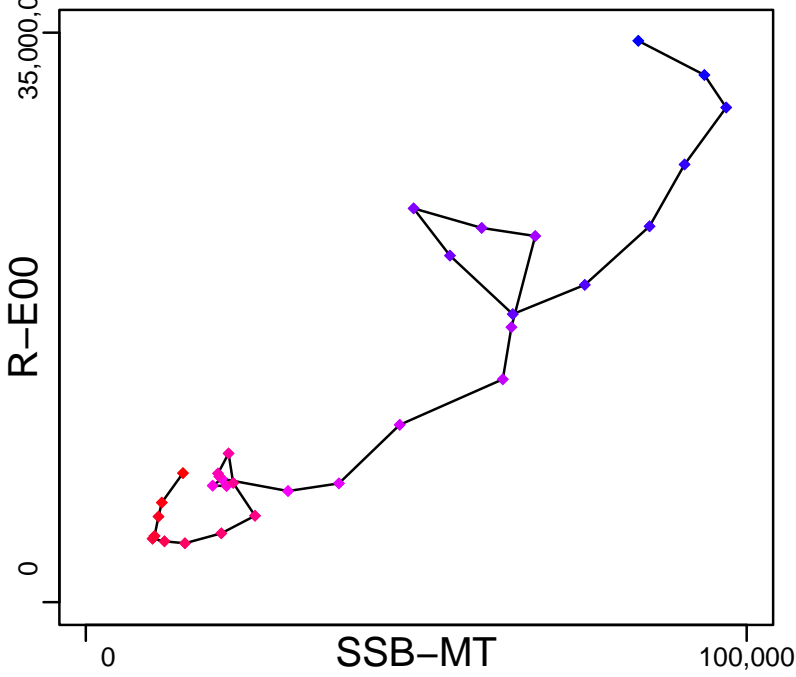
Kobe MSYpref (1976–2011–CHING)



Kobe MGTpref (1976–2011–CHING)



Spawner Recruit (1976–2011–CHING)



Production*



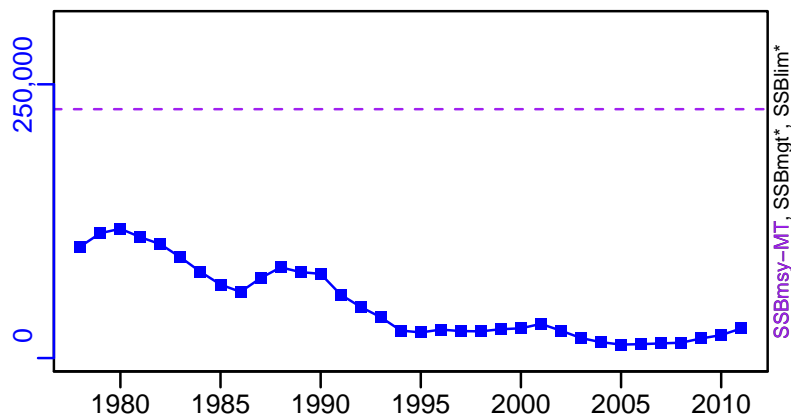
◆ Start Year ◆ End Year * No Data

Atlantic cod Georges Bank [CODGB]

TB*



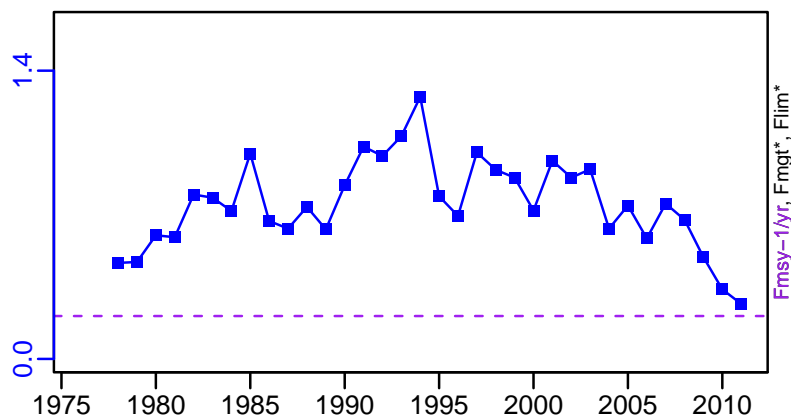
SSB-MT (1976–2011–CHING)



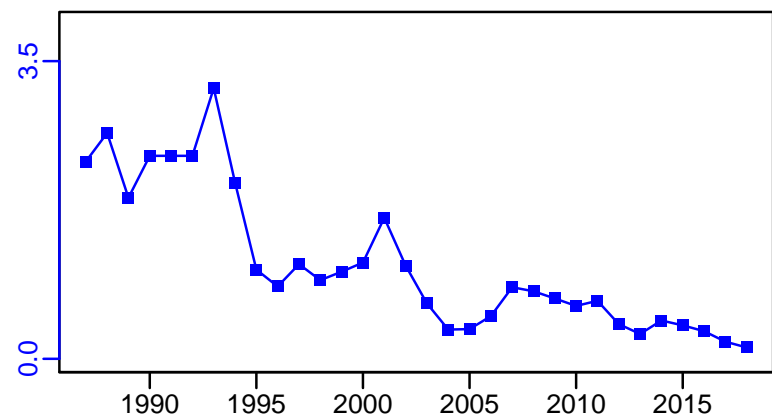
TN *



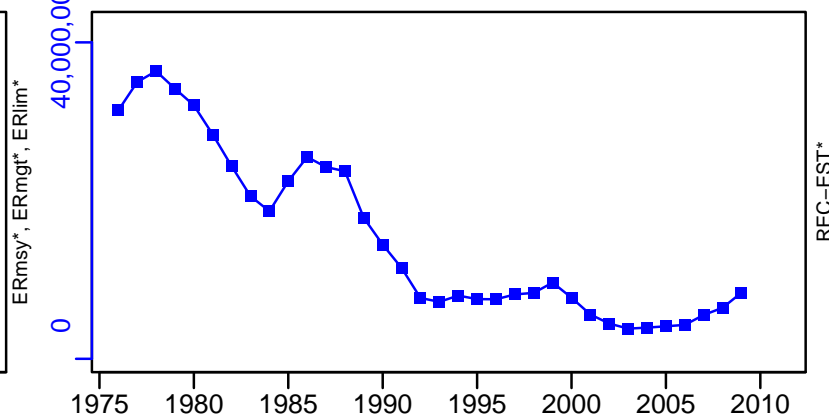
F-1/yr (1976–2011–CHING)



ER-ratio (1981–2019–SISIMP2021–2)



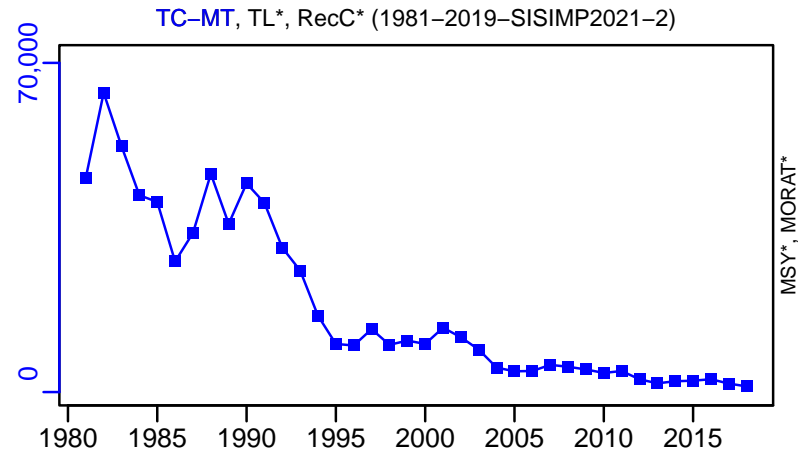
R-E00 (1976–2011–CHING)



Atlantic cod Georges Bank [CODGB]

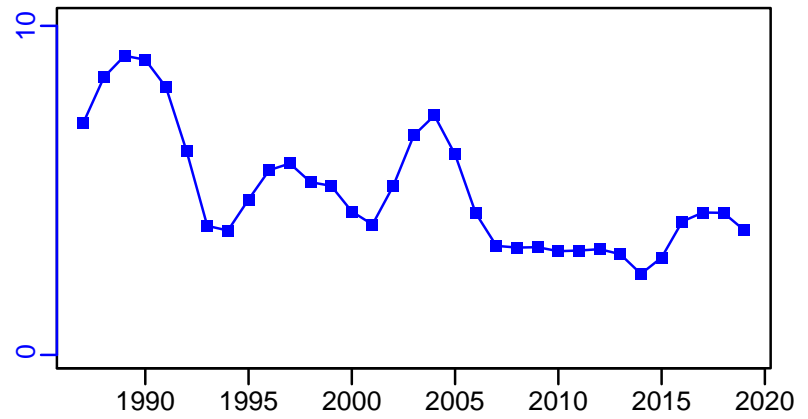
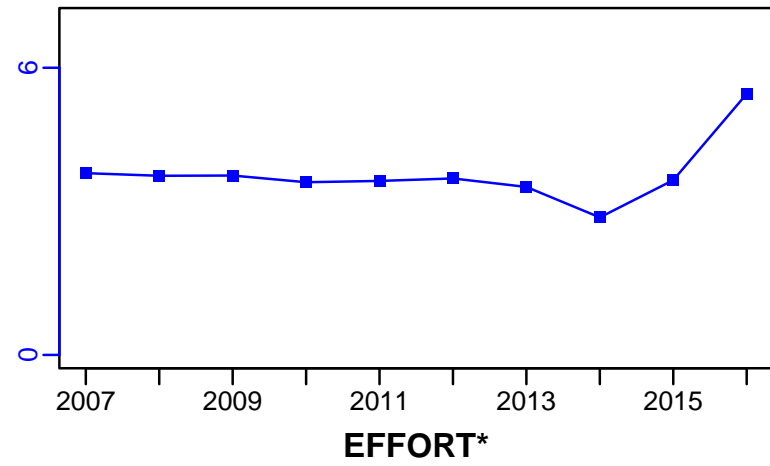
TC-MT, TL*, RecC* (1981-2019-SISIMP2021-2)

TAC*, Cpair*, Cadv*

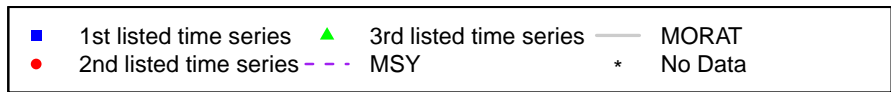
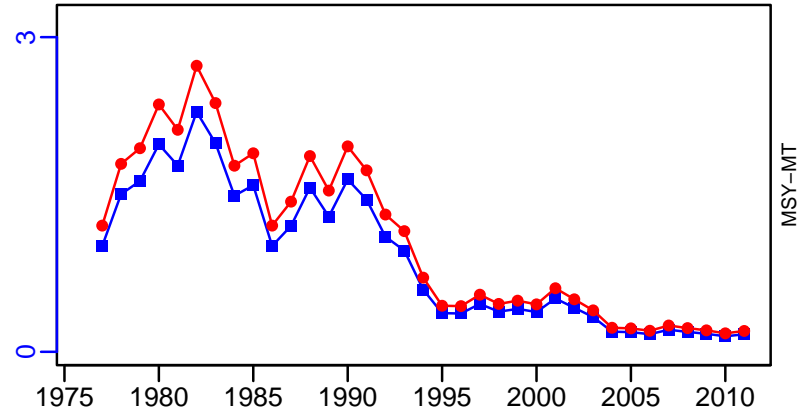
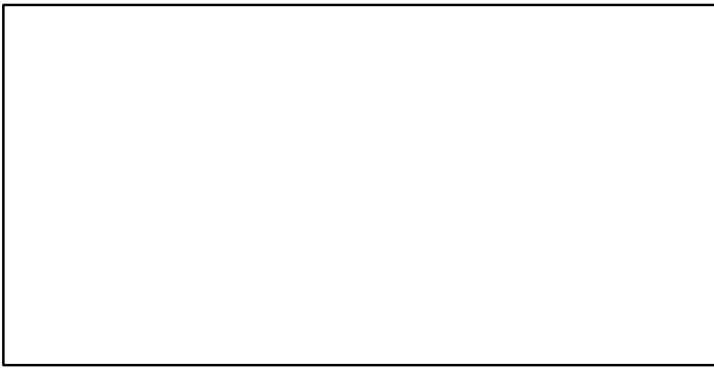


survB-index (2007-2016-SISIMP2021)

CPUE-index (1981-2019-SISIMP2021-2)



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



Atlantic cod Gulf of Maine [CODGOM]

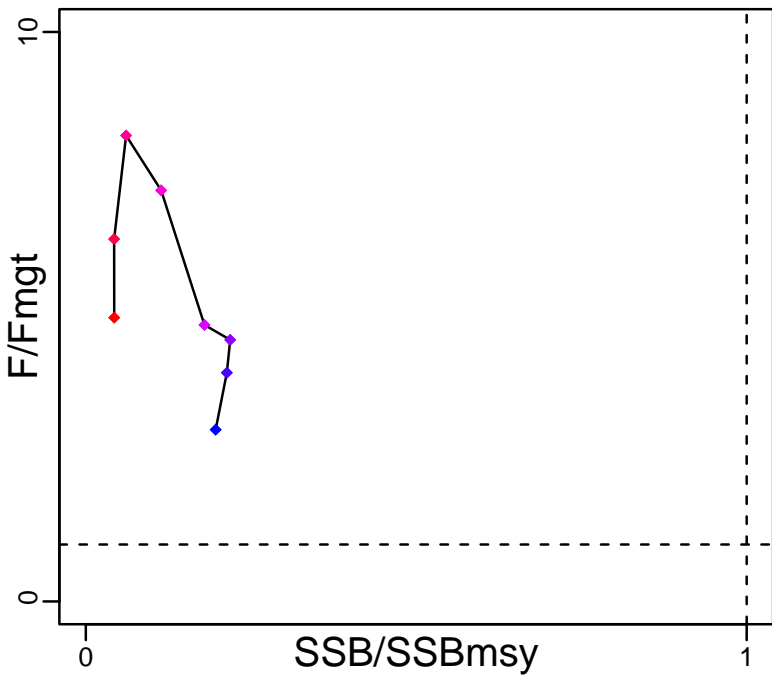
| Metadata | |
|-----------------------------|---|
| Scientific Name | Gadus morhua |
| Current Assess ID | NEFSC-CODGOM-1982-2018-SISIMP2021-2 |
| Area | Gulf of Maine |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2011, 2016, 2018, 2014 |

| Reference Points | | | |
|------------------|-----------|-----------|--------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2014 | 59,045 |
| Fmsy | Fmsy-1/yr | 2011 | 0.18 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | SSBmgt-MT | 2014 | 59,045 |
| Fmgt | Fmgt-1/yr | 2014 | 0.187 |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2014 | 10,043 |
| M | - | - | - |
| TBlim | - | - | - |
| SSBlim | - | - | - |
| Flim | - | - | - |
| ERlim | - | - | - |

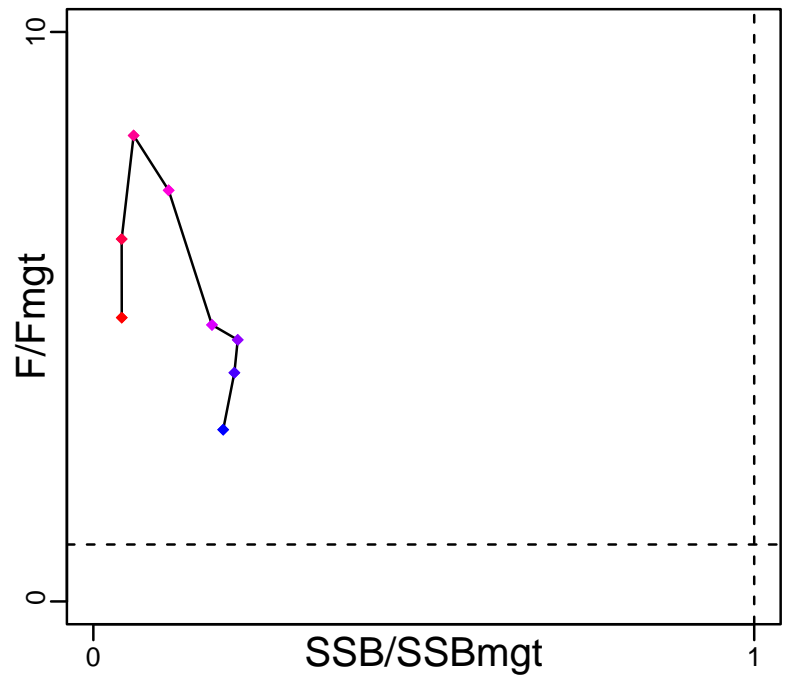
| Time Series | | | | | |
|-------------------|------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2014 | 2540 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2014 | 3,210,000 | - | 1 |
| F | F-1/yr | 2014 | 0.932 | - | - |
| ER | - | - | - | - | - |
| TC | TC-MT | 2018 | 753 | | |
| TL | TL-MT | 2014 | 832 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2014 | 0.043 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2011 | 4.878 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | SSB-MT/SSBmgt-MT | 2014 | 0.043 | | |
| F/Fmgt | F-1/yr/Fmgt-1/yr | 2014 | 4.984 | | |
| ER/ERmgt | - | - | - | | |

Atlantic cod Gulf of Maine [CODGOM]

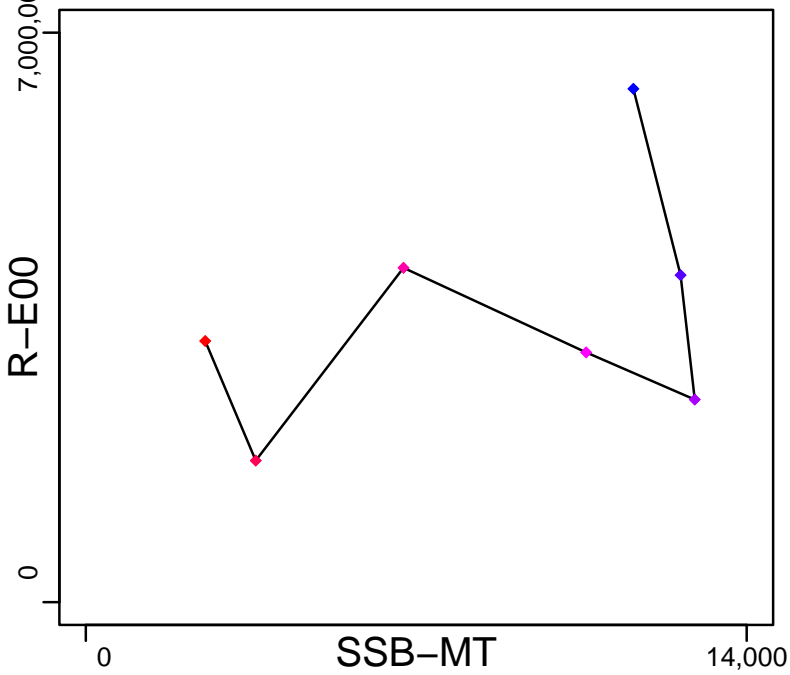
Kobe MSYpref (2006–2014–ASHBROOK)



Kobe MGTpref (2006–2014–ASHBROOK)



Spawner Recruit (2006–2014–ASHBROOK)



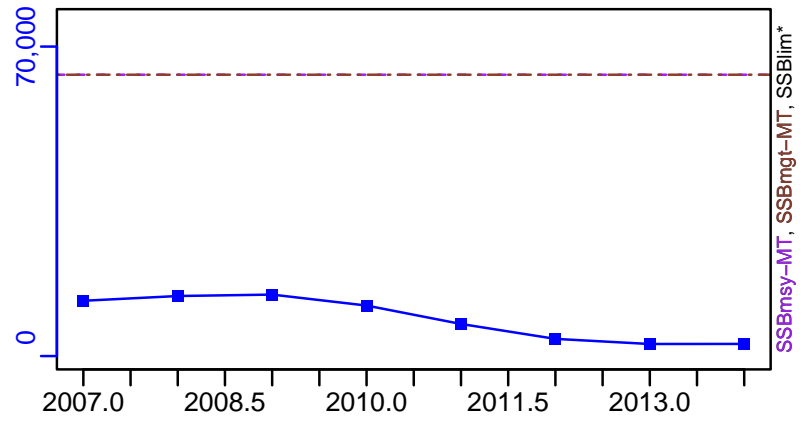
◆ Start Year ◆ End Year * No Data

Atlantic cod Gulf of Maine [CODGOM]

TB*



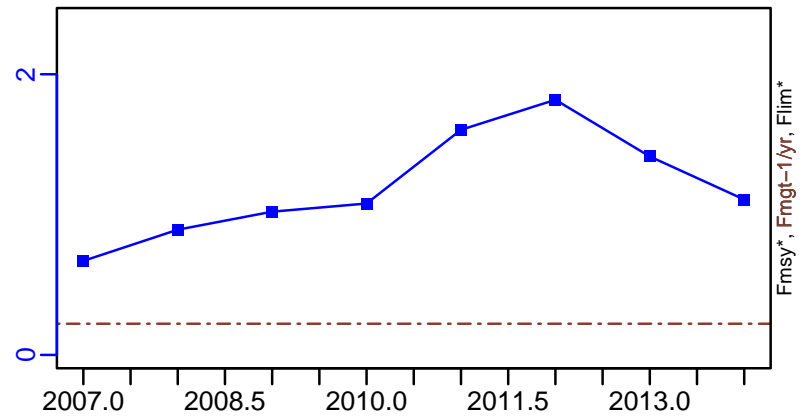
SSB-MT (2006–2014–ASHBROOK)



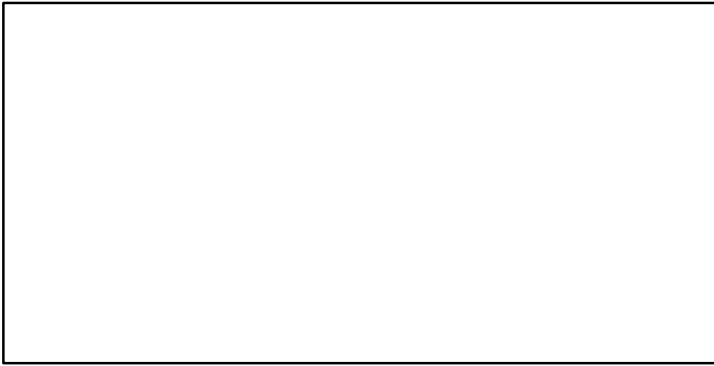
TN *



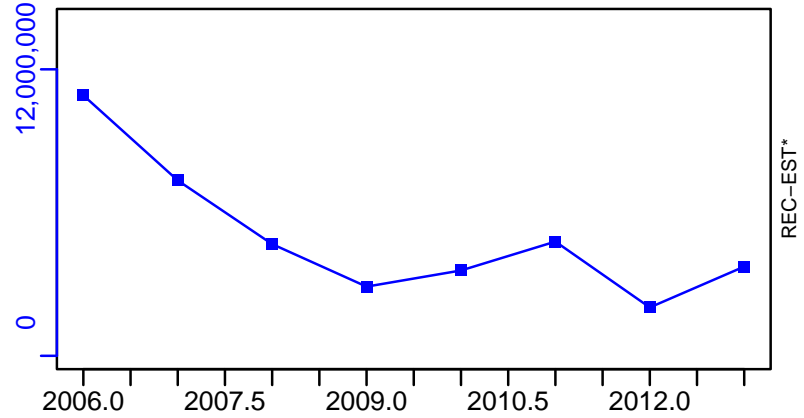
F-1/yr (2006–2014–ASHBROOK)



ER*

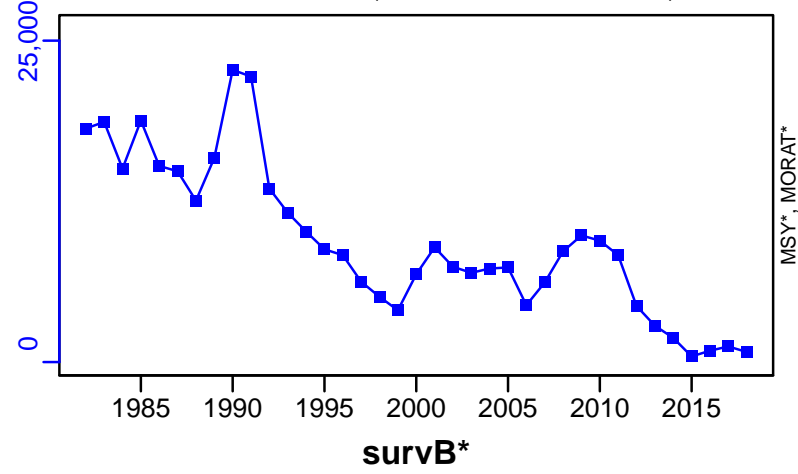


R-E00 (2006–2014–ASHBROOK)



Atlantic cod Gulf of Maine [CODGOM]

TC-MT, TL*, RecC* (1982-2018-SISIMP2021-2)



TAC*, Cpair*, Cadv*



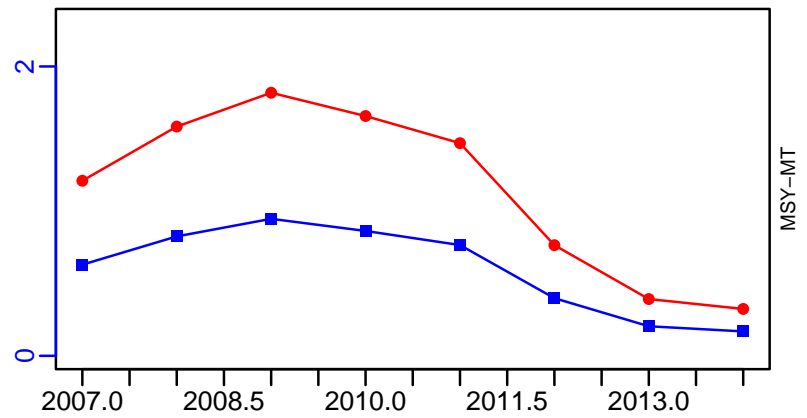
CPUE*



EFFORT*



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



Clearnose skate Mid-Atlantic Coast [CSKATMATLC]

| Metadata | |
|-----------------------------|---|
| Scientific Name | Raja eglanteria |
| Current Assess ID | NEFSC-CSKATMATLC-1968-2019-SISIMP2021-2 |
| Area | Mid-Atlantic Coast |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2018, 2019, 2005 |

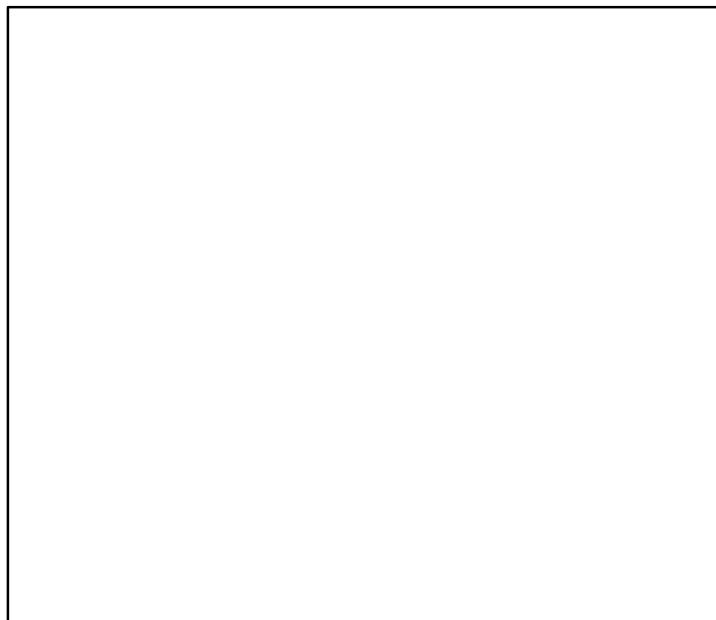
| Reference Points | | | |
|------------------|----|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | - | - | - |
| Fmsy | - | - | - |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | -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

| Time Series | | | | | |
|-------------|-------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | - | - | - | - | - |
| TN | - | - | - | - | - |
| R | - | - | - | - | - |
| F | - | - | - | - | - |
| ER | - | - | - | - | - |
| TC | TC-MT | 2019 | 945 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Kobe MSY*



Kobe MGT*



Spawner Recruit*



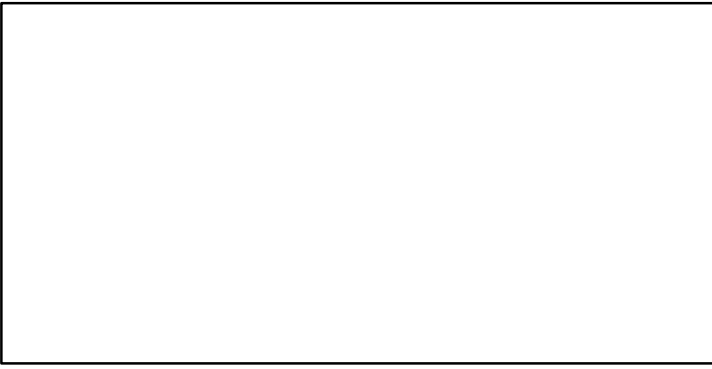
Production*



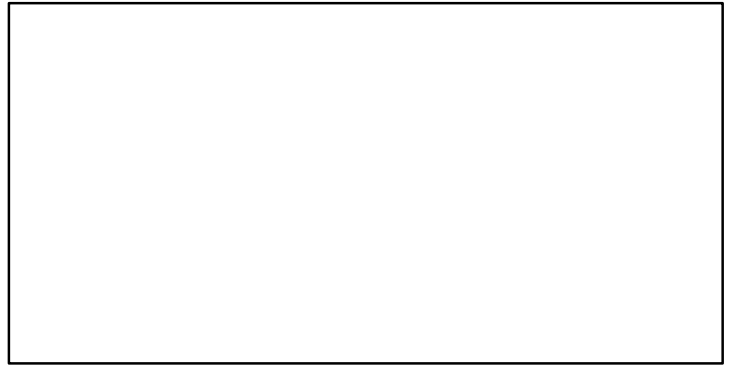
◆ Start Year ◆ End Year * No Data

Clearnose skate Mid-Atlantic Coast [CSKATMATLC]

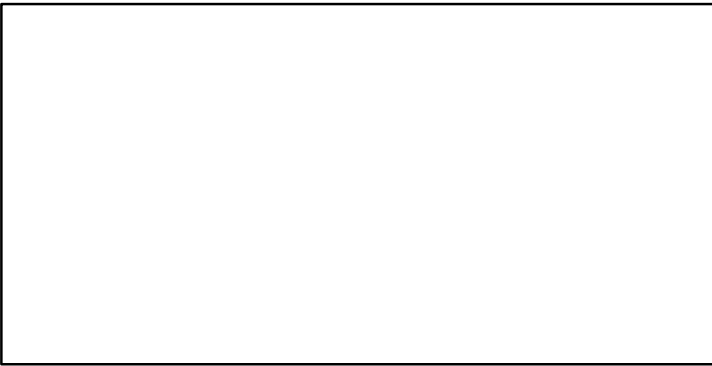
TB*



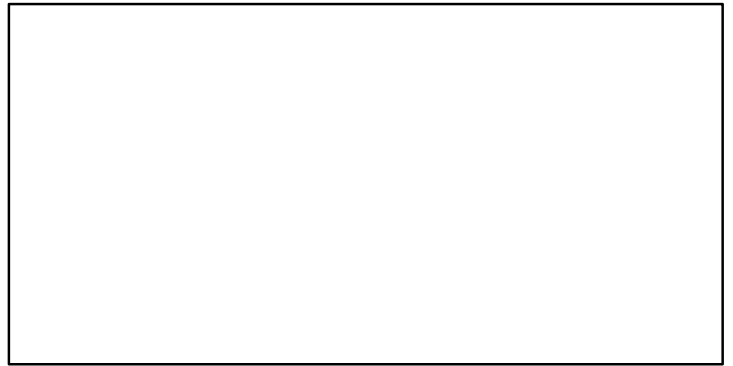
SSB*



TN *



F*



ER*

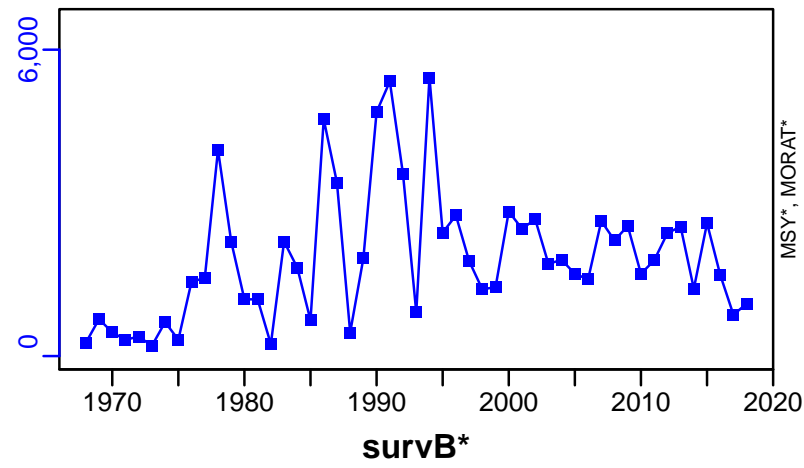


Recruits*



Clearnose skate Mid-Atlantic Coast [CSKATMATLC]

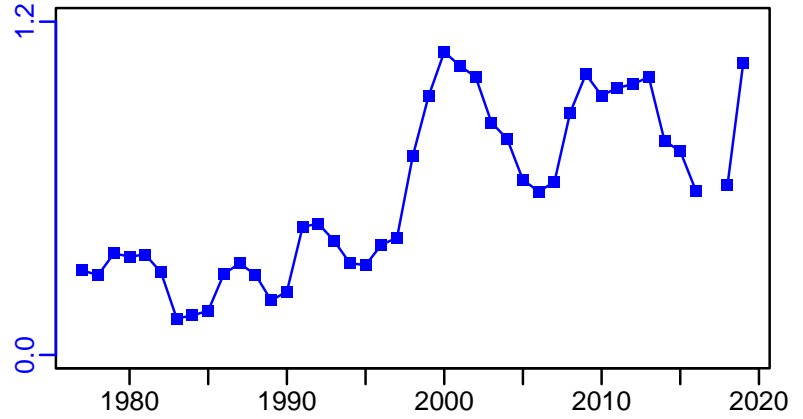
TC-MT, TL*, RecC* (1968-2019-SISIMP2021-2)



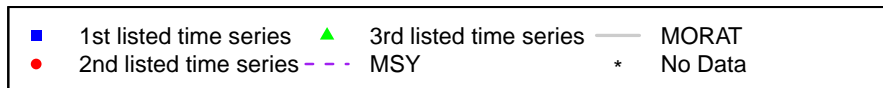
TAC*, Cpair*, Cadv*



CPUE-index (1968-2019-SISIMP2021-2)



EFFORT*



Haddock Gulf of Maine [HAD5Y]

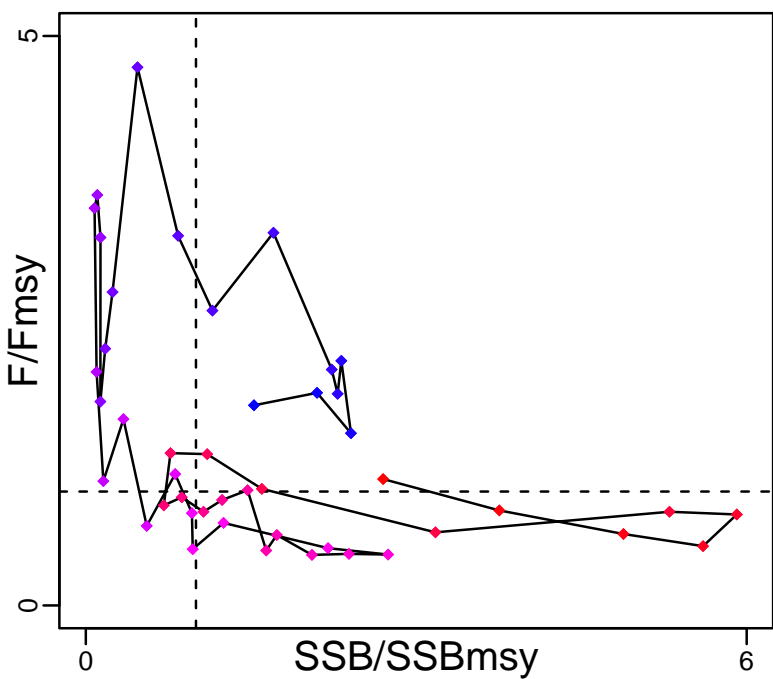
| Metadata | |
|-----------------------------|---|
| Scientific Name | Melanogrammus aeglefinus |
| Current Assess ID | NEFSC-HAD5Y-1976-2021-SISIMP2024 |
| Area | Gulf of Maine |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2011, 2016, 2021, 2014, 2018 |

| Reference Points | | | |
|------------------|-----------|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2021 | 6123 |
| Fmsy | Fmsy-1/yr | 2021 | 0.338 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2021 | 1098 |
| M | - | - | - |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2021 | 3062 |
| Flim | Flim-1/yr | 2018 | 0.369 |
| ERlim | - | - | - |

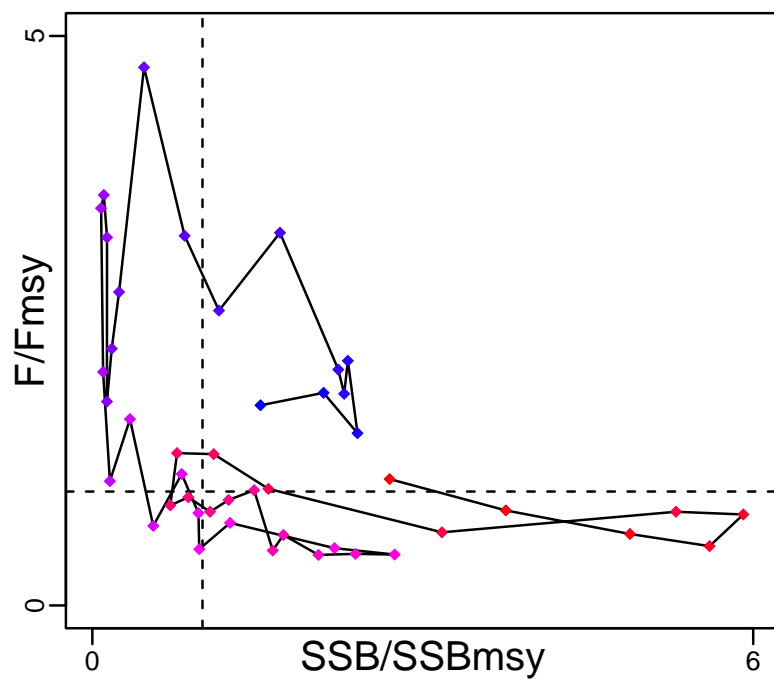
| Time Series | | | | | |
|-------------------|------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2011 | 2580 | - | - |
| SSB | SSB-MT | 2021 | 16,528 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2021 | 22,781 | - | 1 |
| F | F-1/yr | 2021 | 0.375 | - | - |
| ER | ER-ratio | 2011 | 0.359 | - | - |
| TC | TC-MT | 2021 | 4602 | | |
| TL | TL-MT | 2011 | 1300 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2021 | 2.699 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2021 | 1.109 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Haddock Gulf of Maine [HAD5Y]

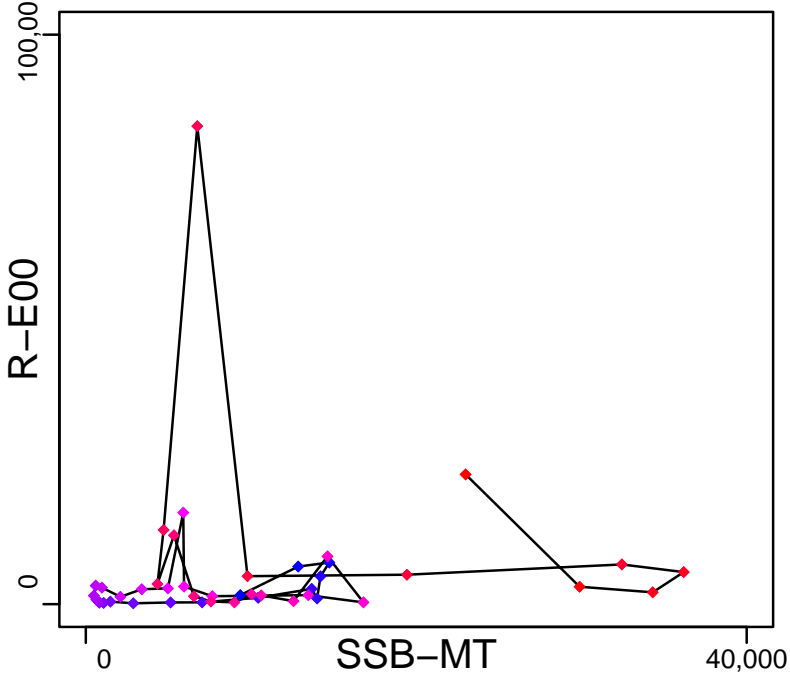
Kobe MSYpref (1976–2021–SISIMP2024)



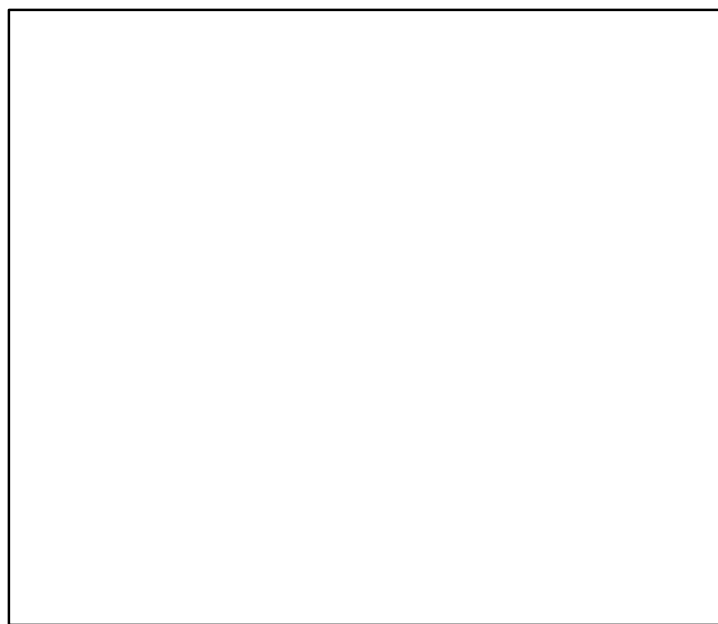
Kobe MGTpref (1976–2021–SISIMP2024)



Spawner Recruit (1976–2021–SISIMP2024)



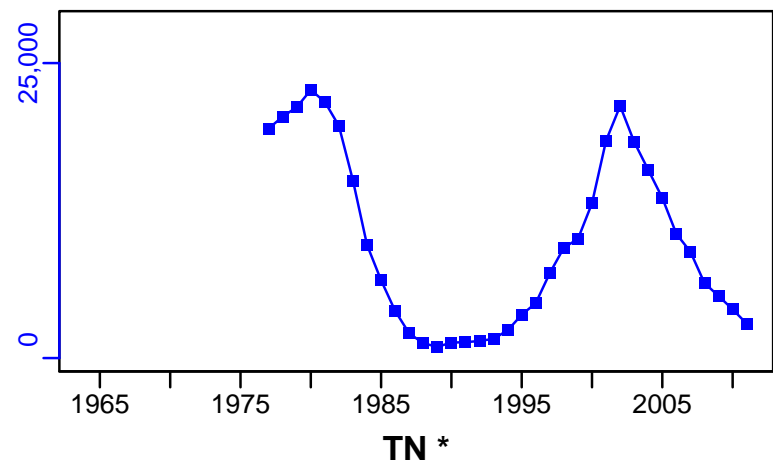
Production*



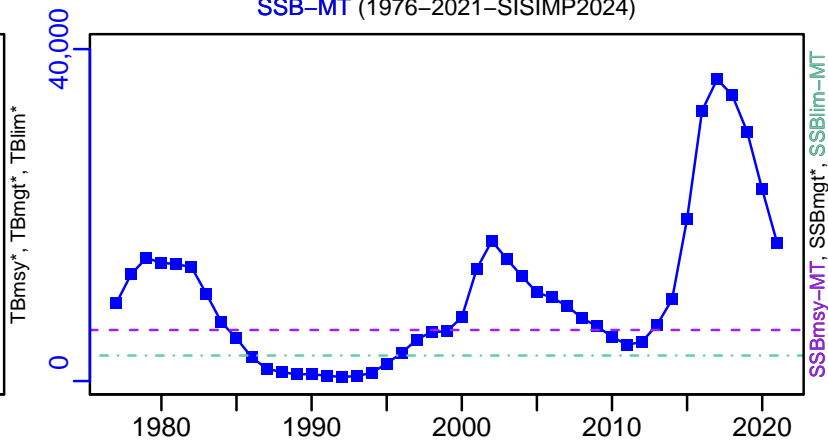
◆ Start Year ◆ End Year * No Data

Haddock Gulf of Maine [HAD5Y]

TB-MT (1964–2011–CHING)



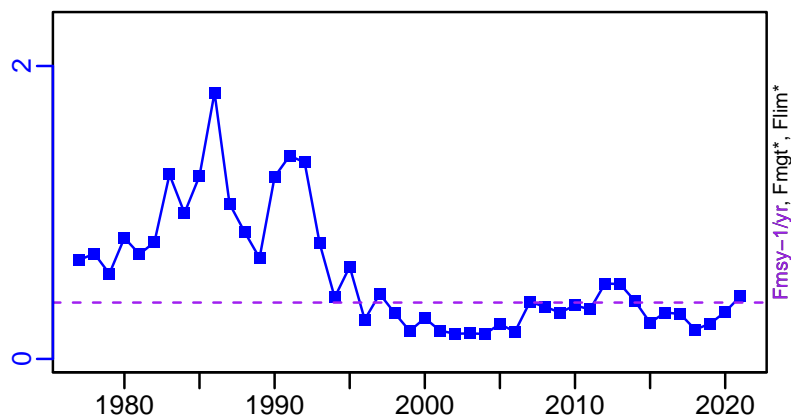
SSB-MT (1976–2021–SISIMP2024)



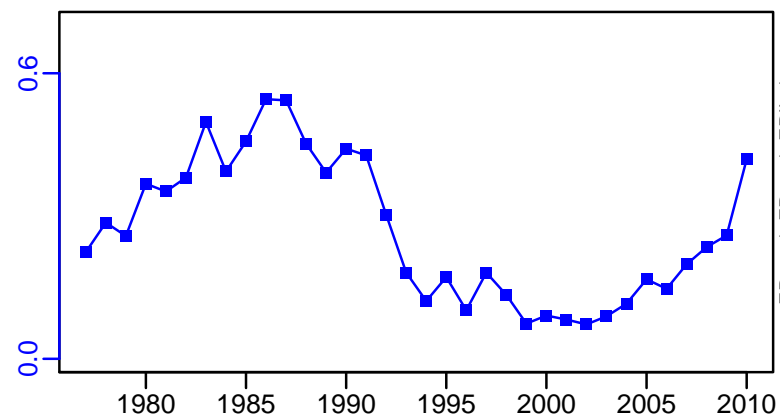
TN *



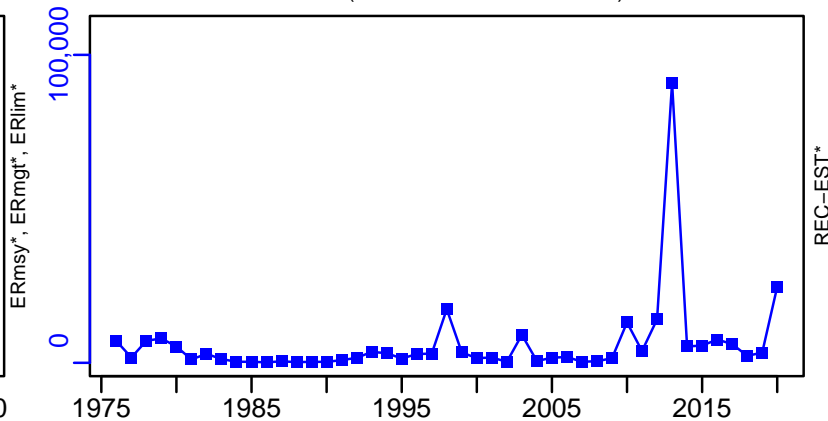
F-1/yr (1976–2021–SISIMP2024)



ER-ratio (1964–2011–CHING)

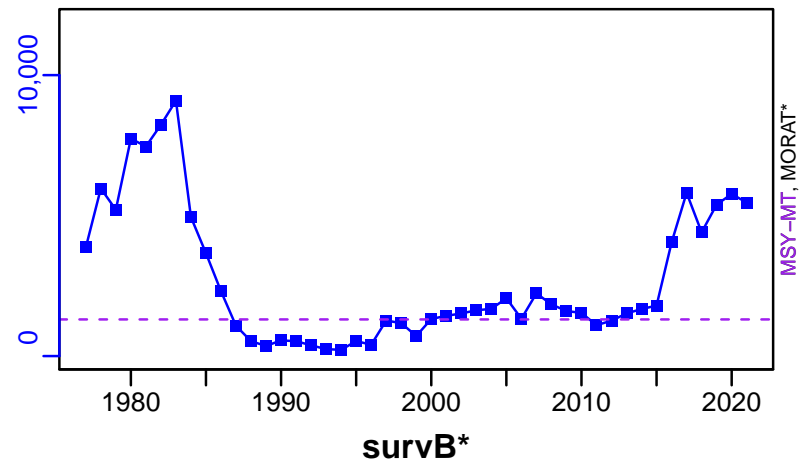


R-E00 (1976–2021–SISIMP2024)



Haddock Gulf of Maine [HAD5Y]

TC-MT, TL*, RecC* (1976-2021-SISIMP2024)



TAC*, Cpair*, Cadv*



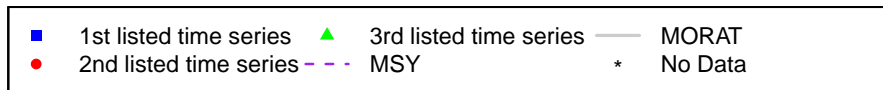
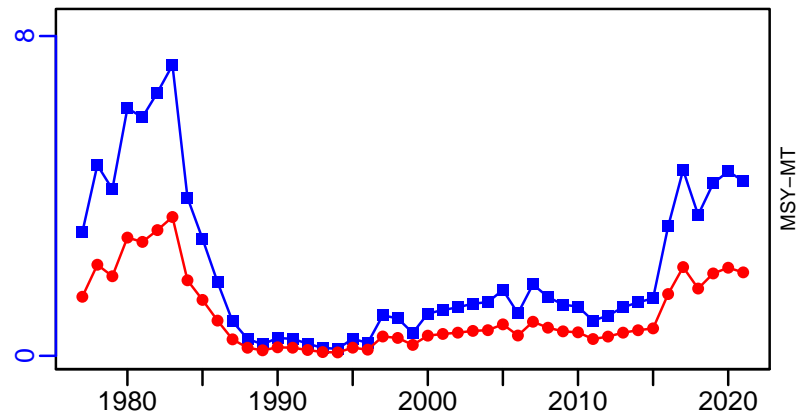
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1976-2021-SISIMP2024)



Haddock Georges Bank [HADGB]

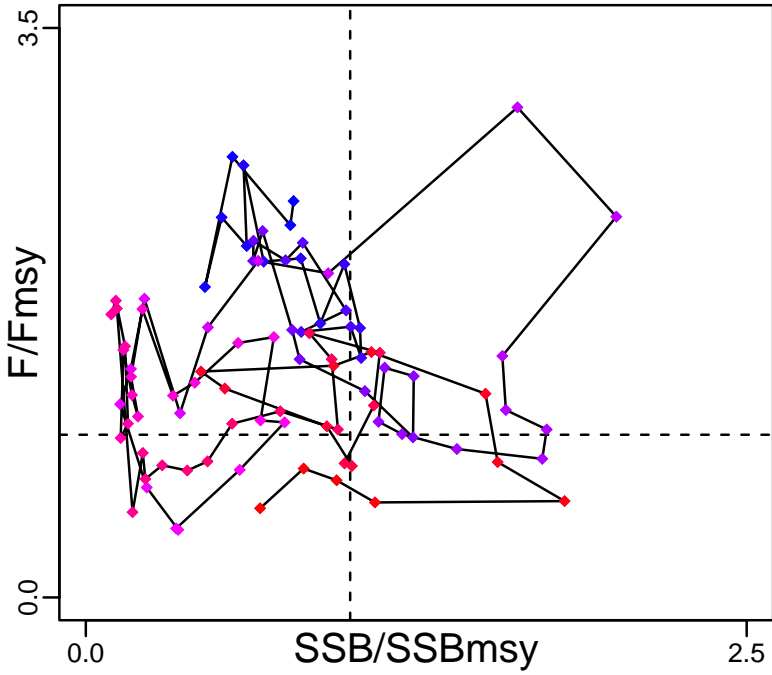
| Metadata | |
|-----------------------------|---|
| Scientific Name | Melanogrammus aeglefinus |
| Current Assess ID | NEFSC-HADGB-1930-2021-SISIMP2024 |
| Area | Georges Bank |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2021, 2010, 2014, 2016, 2018 |

| Reference Points | | | |
|------------------|-----------|-----------|---------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2021 | 120,580 |
| Fmsy | Fmsy-1/yr | 2021 | 0.25 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2021 | 25,494 |
| M | - | - | - |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2021 | 60,290 |
| Flim | Flim-1/yr | 2018 | 0.33 |
| ERlim | - | - | - |

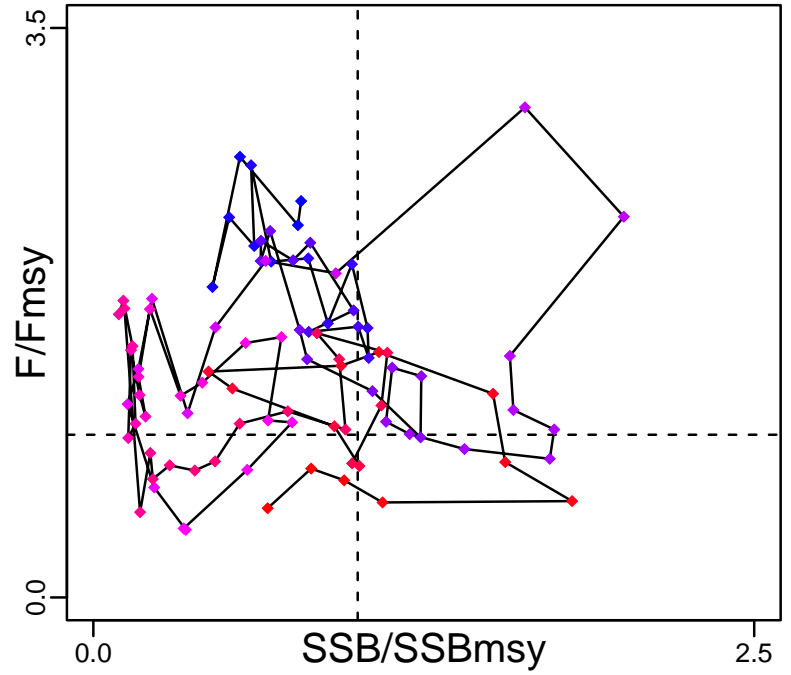
| Time Series | | | | | |
|-------------------|------------------|-----------|------------|-----|--------|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2021 | 79,513 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2021 | 96,151 | - | 1 |
| F | F-1/yr | 2021 | 0.137 | - | 5 to 7 |
| ER | ER-ratio | 2010 | 0.074 | - | - |
| TC | TC-MT | 2021 | 10,691 | | |
| TL | TL-MT | 2010 | 21,500 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2021 | 0.659 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2021 | 0.548 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Haddock Georges Bank [HADGB]

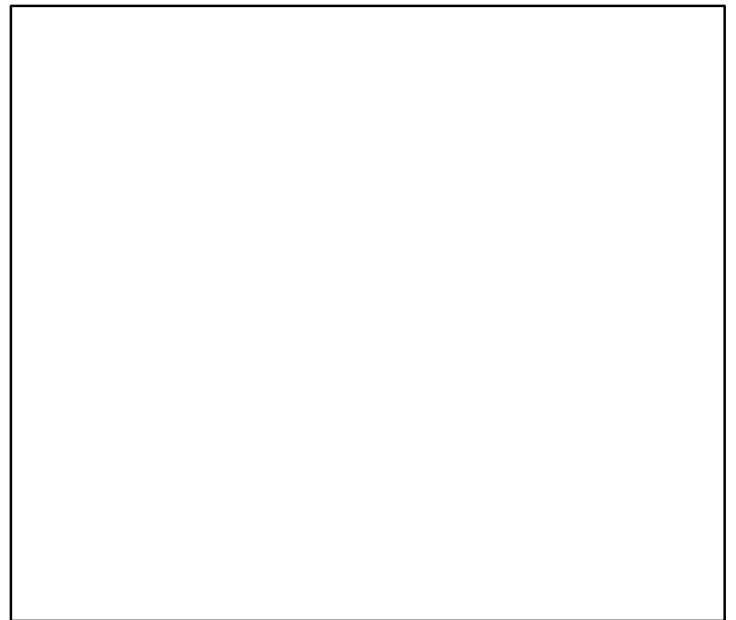
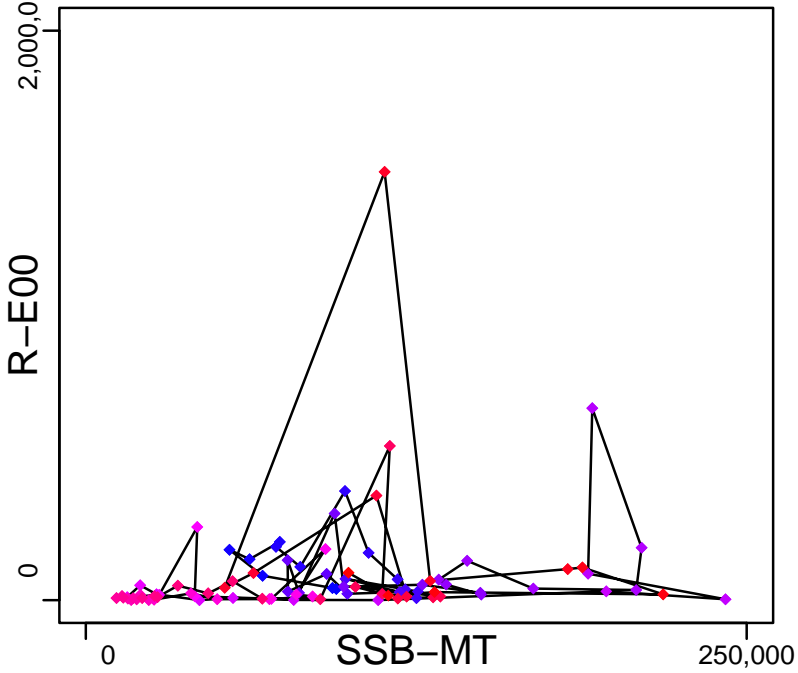
Kobe MSYpref (1930–2021–SISIMP2024)



Kobe MGTpref (1930–2021–SISIMP2024)



Spawner Recruit (1930–2021–SISIMP2024)



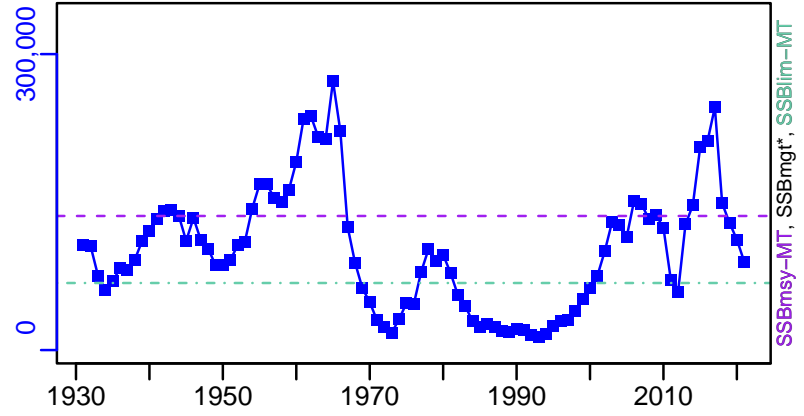
◆ Start Year ◆ End Year * No Data

Haddock Georges Bank [HADGB]

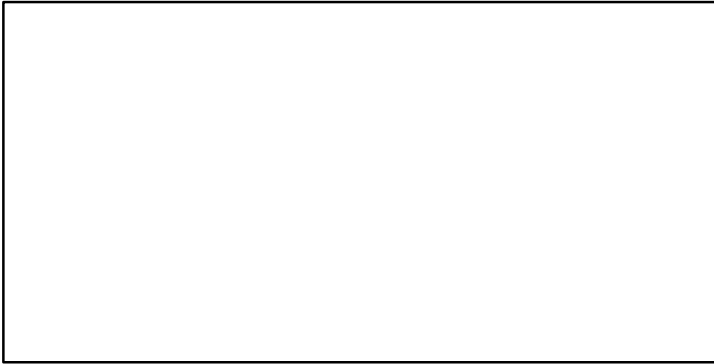
TB*



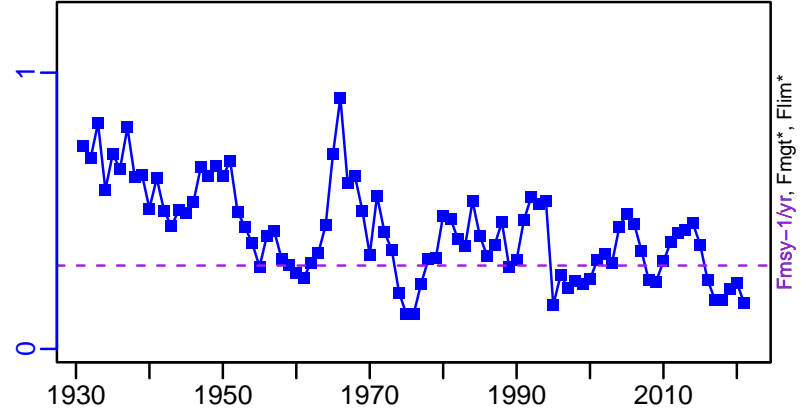
SSB-MT (1930–2021–SISIMP2024)



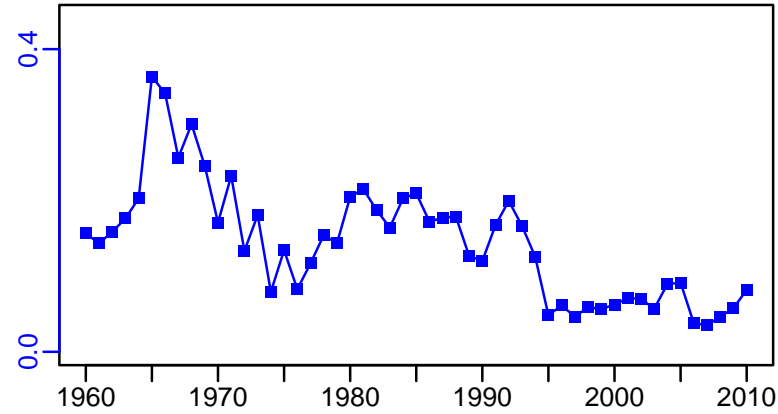
TN *



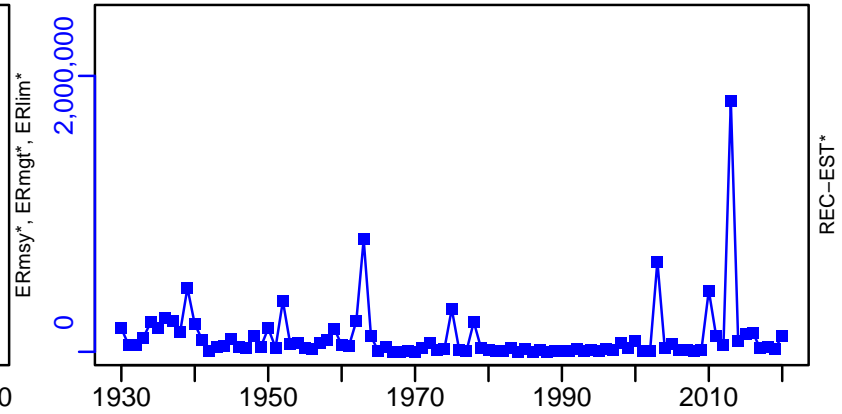
F-1/yr (1930–2021–SISIMP2024)



ER-ratio (1931–2010–CHING)

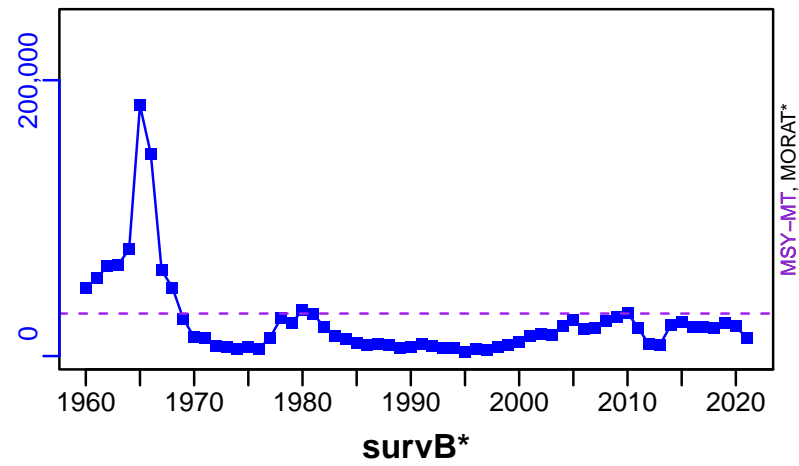


R-E00 (1930–2021–SISIMP2024)



Haddock Georges Bank [HADGB]

TC-MT, TL*, RecC* (1930-2021-SISIMP2024)



TAC*, Cpair*, Cadv*



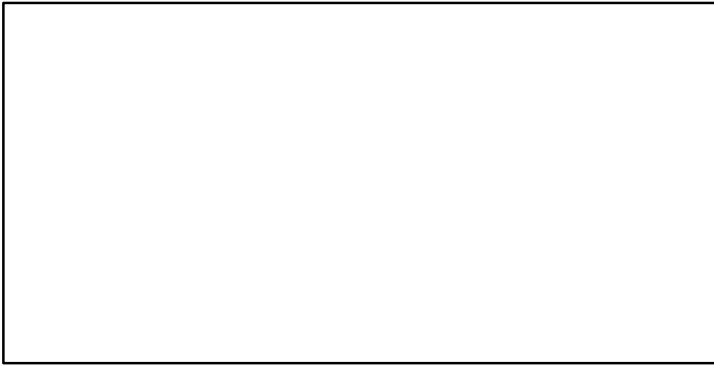
survB*



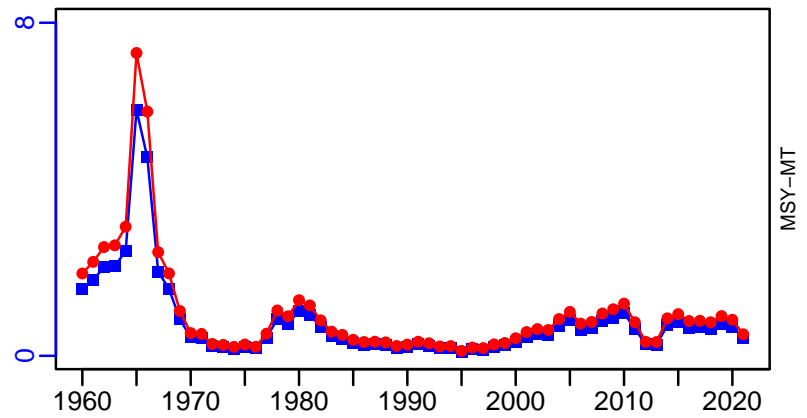
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1930-2021-SISIMP2024)



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

Herring Northwestern Atlantic Coast [HERRNWATLC]

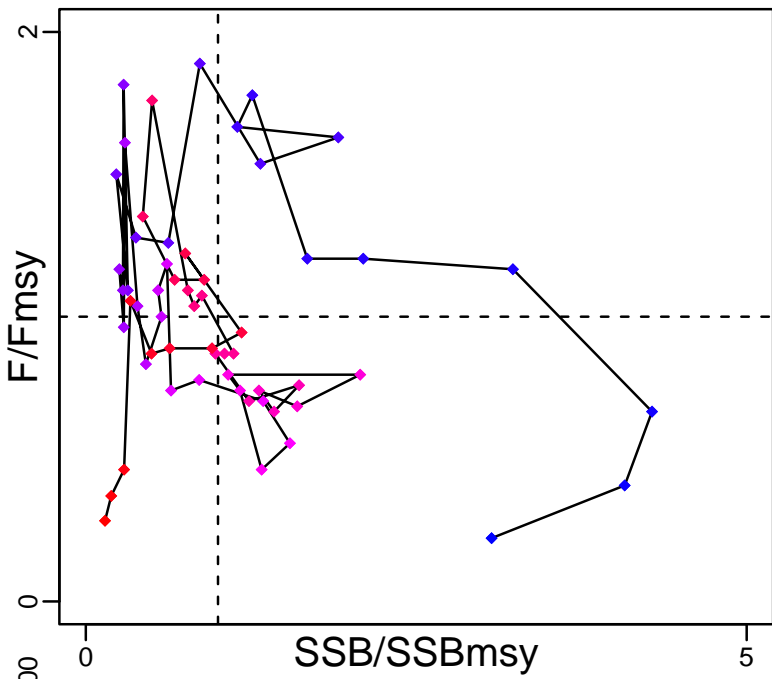
| Metadata | |
|-----------------------------|---|
| Scientific Name | Clupea harengus |
| Current Assess ID | NEFSC-HERRNWATLC-1964-2022-SISIMP2022 |
| Area | Northwestern Atlantic Coast |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2011, 2017, 2022, 2014, 2019 |

| Reference Points | | | |
|------------------|-----------|-----------|---------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2022 | 269,000 |
| Fmsy | Fmsy-1/yr | 2022 | 0.54 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2022 | 99,400 |
| M | - | - | - |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2019 | 135,000 |
| Flim | Flim-1/yr | 2019 | 0.54 |
| ERlim | - | - | - |

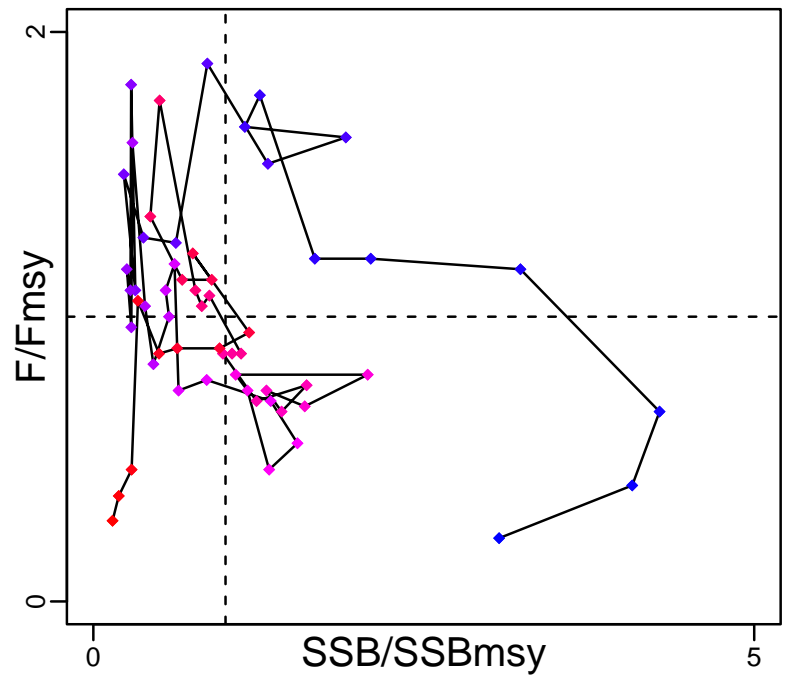
| Time Series | | | | | |
|-------------------|------------------|-----------|---------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2011 | 1,320,000 | - | - |
| SSB | SSB-MT | 2022 | 61,645 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2022 | 2,144,500,000 | - | 1 |
| F | F-1/yr | 2022 | 0.153 | - | - |
| ER | ER-calc-ratio | 2011 | 0.064 | - | - |
| TC | TC-MT | 2022 | 7865 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2022 | 0.229 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2022 | 0.283 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Herring Northwestern Atlantic Coast [HERRNWATLC]

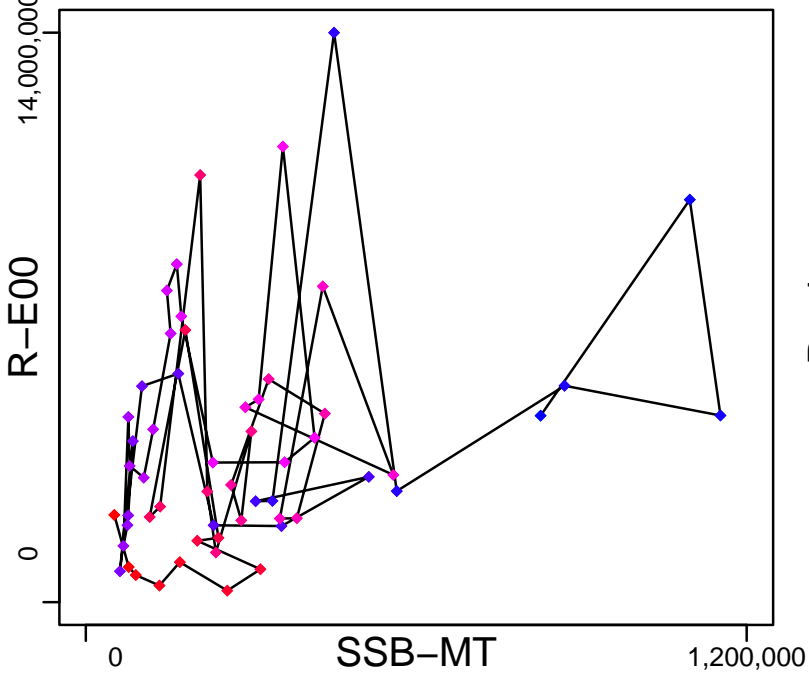
Kobe MSYpref (1964–2022–SISIMP2022)



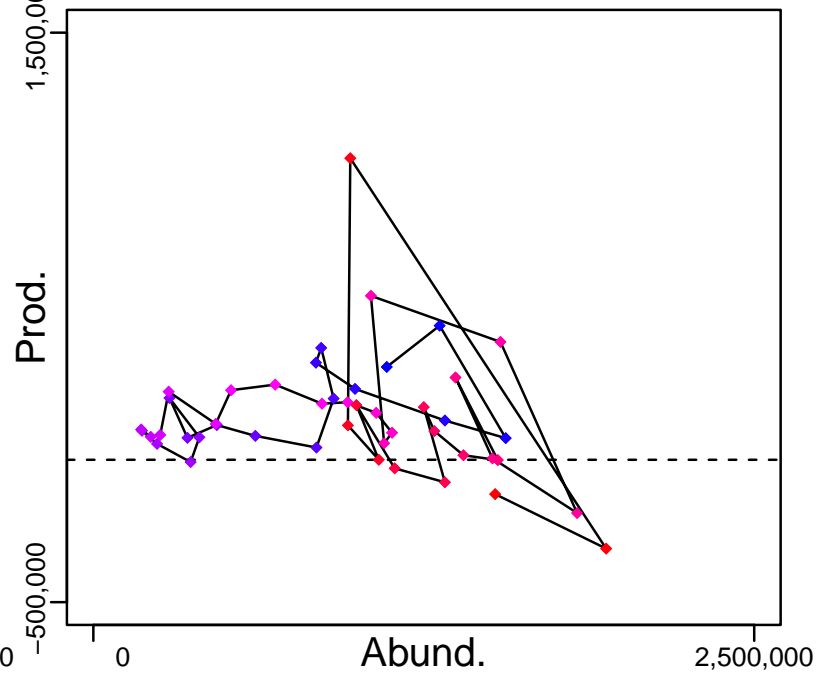
Kobe MGTpref (1964–2022–SISIMP2022)



Spawner Recruit (1964–2022–SISIMP2022)



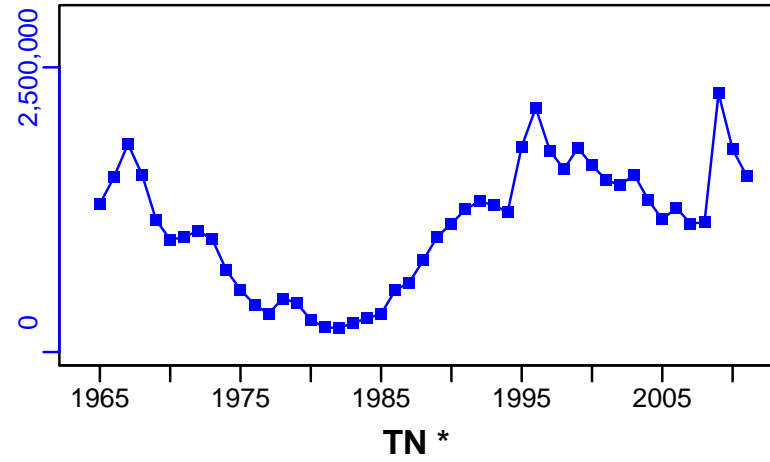
Production (1964–2011–HIVELY)



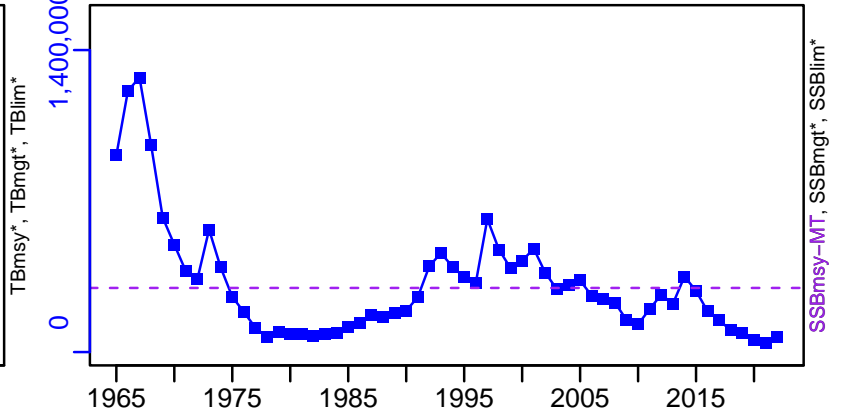
◆ Start Year ◆ End Year * No Data

Herring Northwestern Atlantic Coast [HERRNWATLC]

TB-MT (1964–2011–HIVELY)



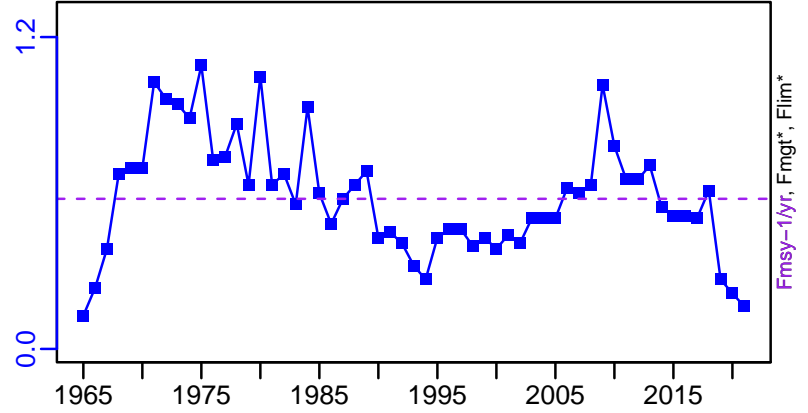
SSB-MT (1964–2022–SISIMP2022)



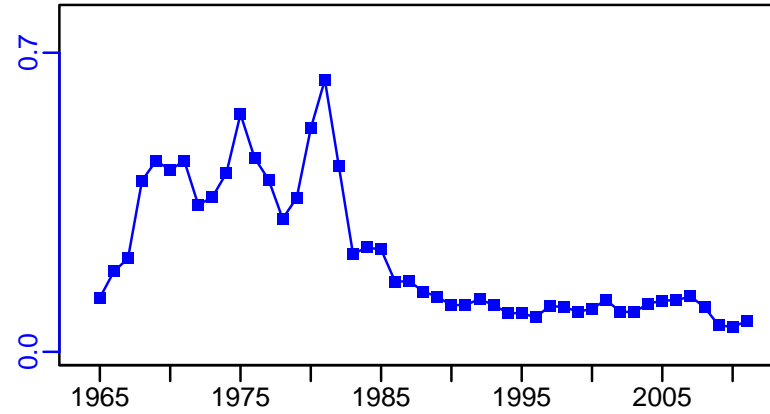
TN *



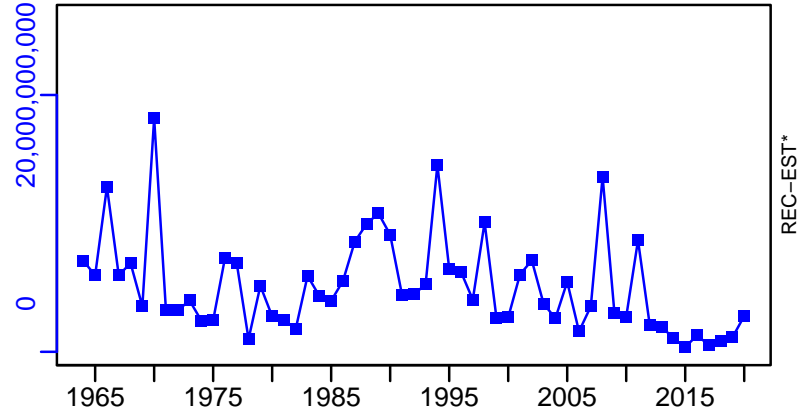
F-1/yr (1964–2022–SISIMP2022)



ER-calc-ratio (1964–2011–HIVELY)

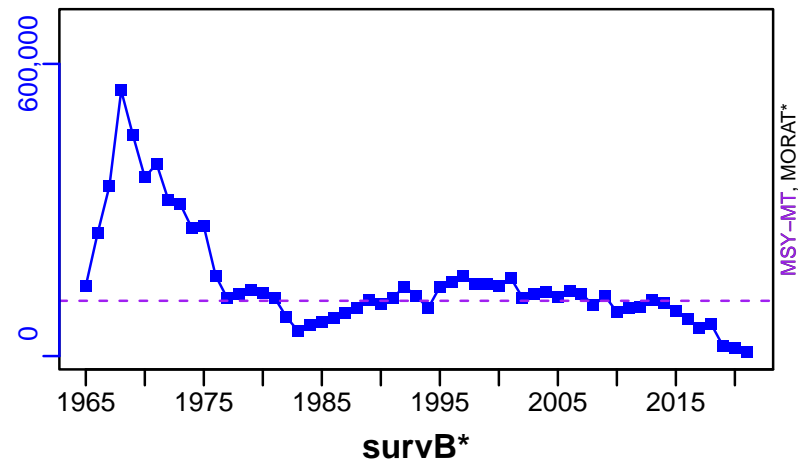


R-E00 (1964–2022–SISIMP2022)



Herring Northwestern Atlantic Coast [HERRNWATLC]

TC-MT, TL*, RecC* (1964–2022–SISIMP2022)



TAC*, Cpair*, Cadv*



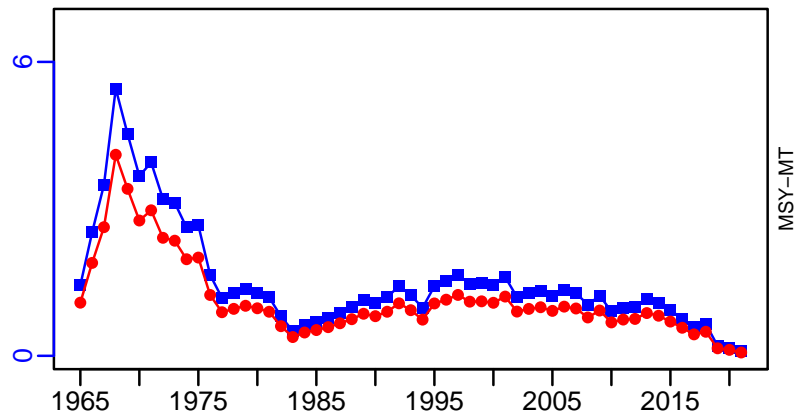
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1964–2022–SISIMP2022)



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

Northern shortfin squid Northwestern Atlantic Coast [ILLEXNWATLC]

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

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

| Time Series | | | | | |
|-------------|-------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-relative | 2005 | 0.7 | - | - |
| SSB | - | - | - | - | - |
| TN | - | - | - | - | - |
| R | - | - | - | - | - |
| F | - | - | - | - | - |
| ER | - | - | - | - | - |
| TC | - | - | - | | |
| TL | TL-MT | 2005 | 12,000 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*

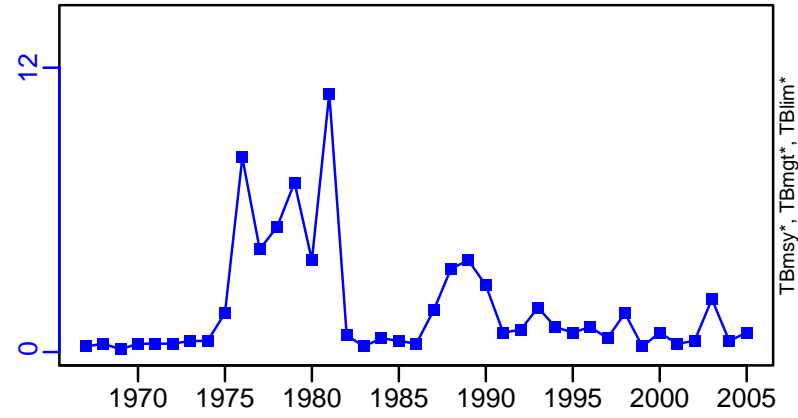


◆ Start Year ◆ End Year * No Data

Northern shortfin squid Northwestern Atlantic Coast [ILLEXNWATLC]

TB-relative (1967–2005–HENDRICKSON)

SSB*

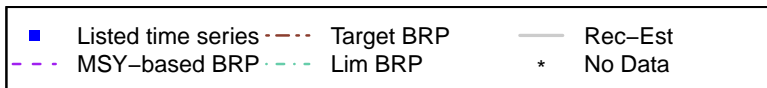


TN *

F*

ER*

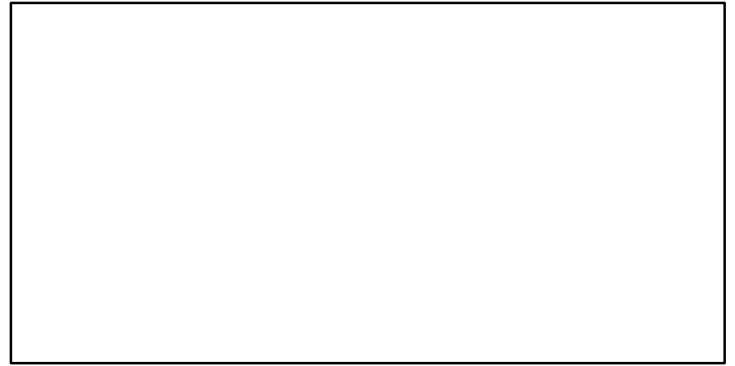
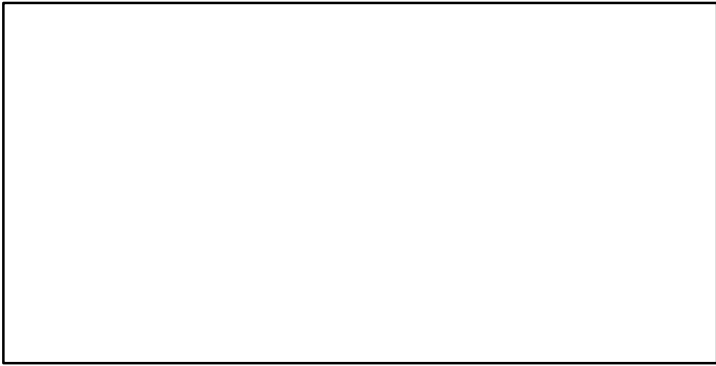
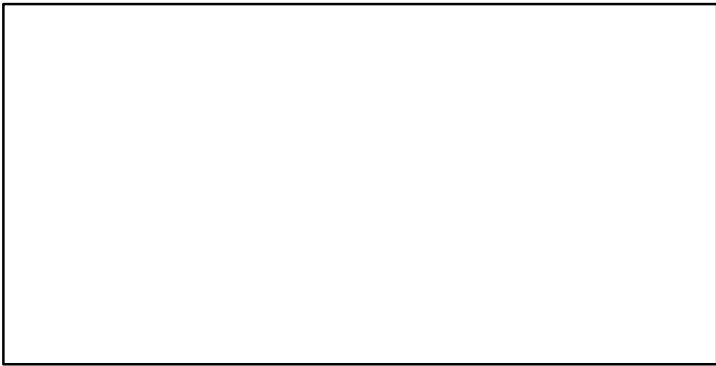
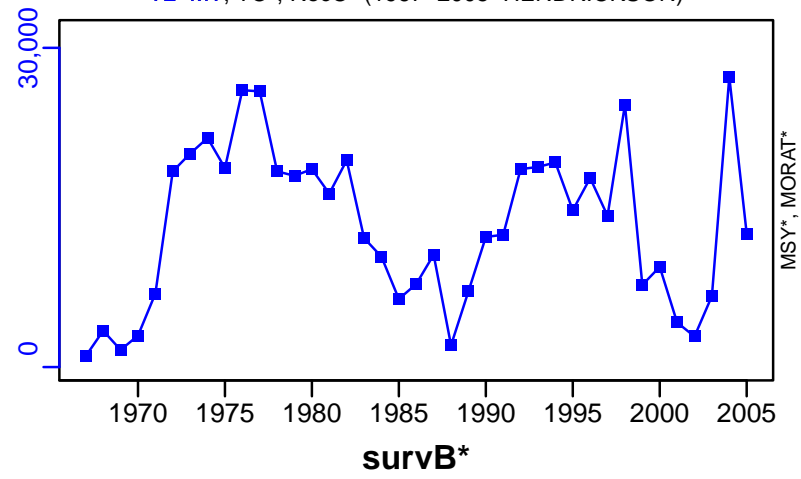
Recruits*



Northern shortfin squid Northwest Atlantic Coast [ILLEXNWATLC]

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

TAC*, Cpair*, Cadv*



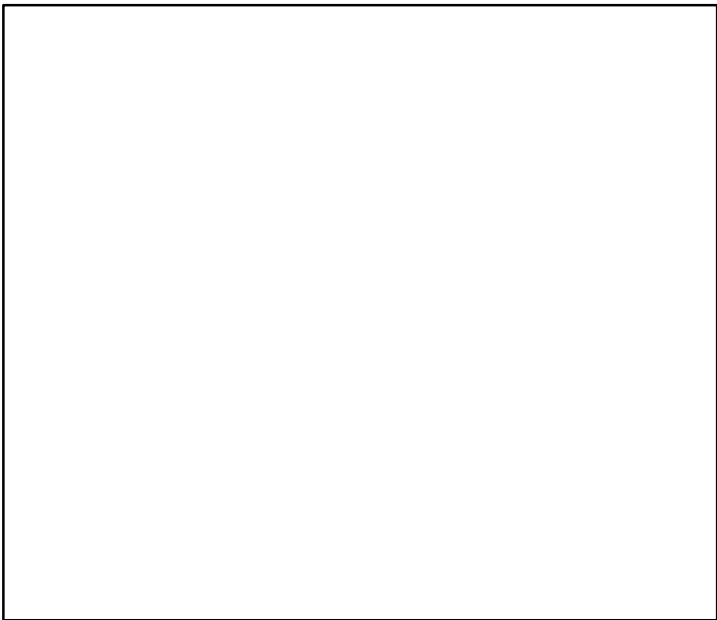
Longfin inshore squid Atlantic Coast [LISQUIDATLC]

| Metadata | |
|-----------------------------|---|
| Scientific Name | Loligo pealeii |
| Current Assess ID | SEFSC-LISQUIDATLC-1977-2022-SISIMP2024 |
| Area | Atlantic Coast |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Southeast Fisheries Science Center |
| Asmts in RAM | 2009, 2016, 2019, 2022 |

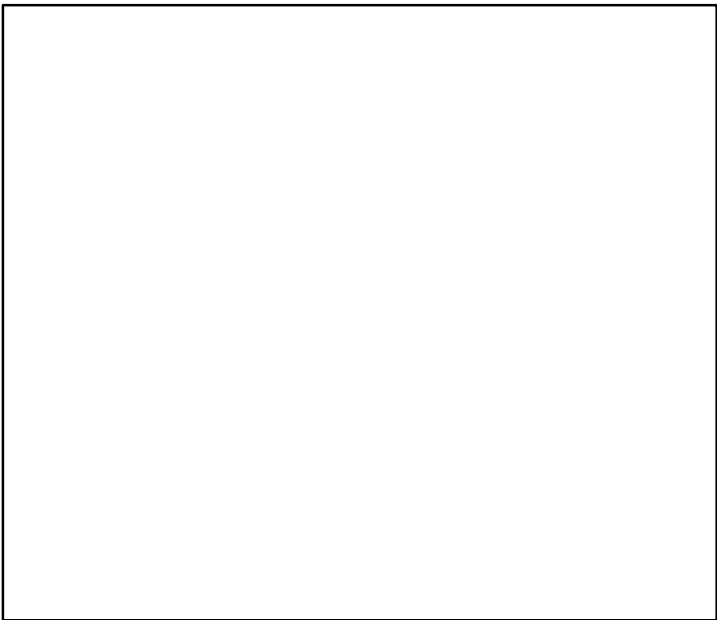
| Reference Points | | | |
|------------------|----------|-----------|--------|
| Type | ID | Asmt Year | Value |
| TBmsy | TBmsy-MT | 2009 | 42,405 |
| SSBmsy | - | - | - |
| Fmsy | - | - | - |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - |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

| Time Series | | | | | |
|-------------------|----------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2009 | 39,800 | - | - |
| SSB | - | - | - | - | - |
| TN | - | - | - | - | - |
| R | - | - | - | - | - |
| F | F-1/yr | 2009 | 0.24 | - | - |
| ER | ER-ratio | 2022 | 0.155 | - | - |
| TC | TC-MT | 2022 | 18,936 | | |
| TL | - | - | - | | |
| TB/TBmsy | TB-MT/TBmsy-MT | 2009 | 0.939 | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

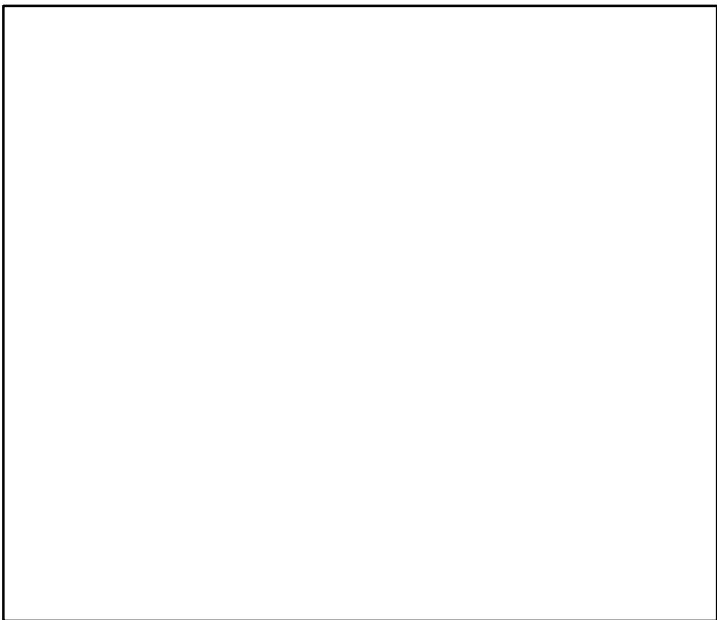
Kobe MSY*



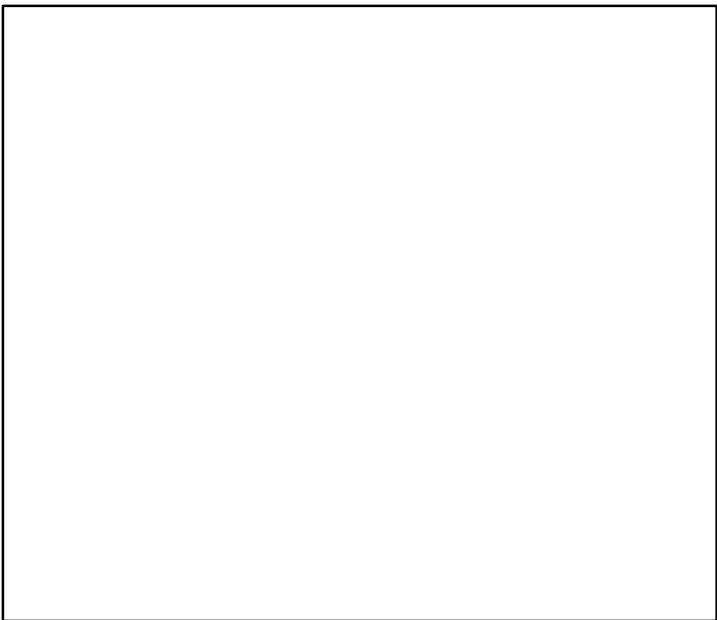
Kobe MGT*



Spawner Recruit*



Production*

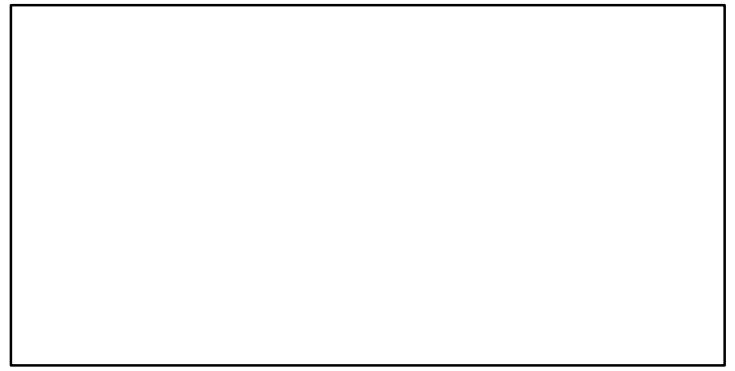
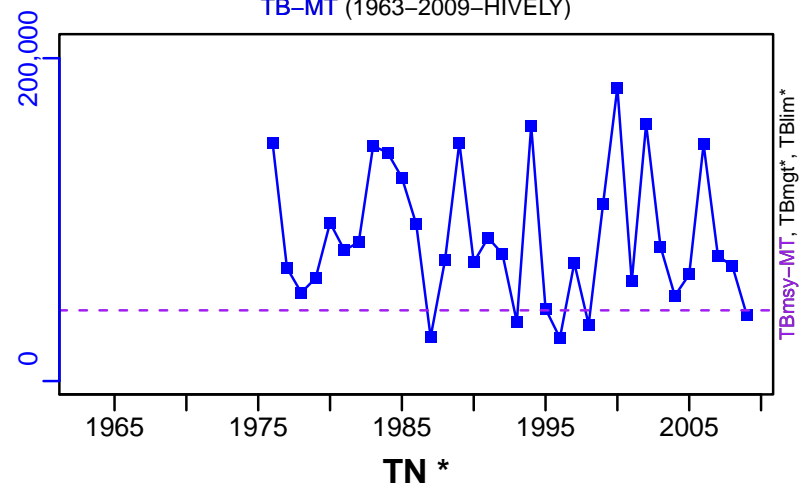


◆ Start Year ◆ End Year * No Data

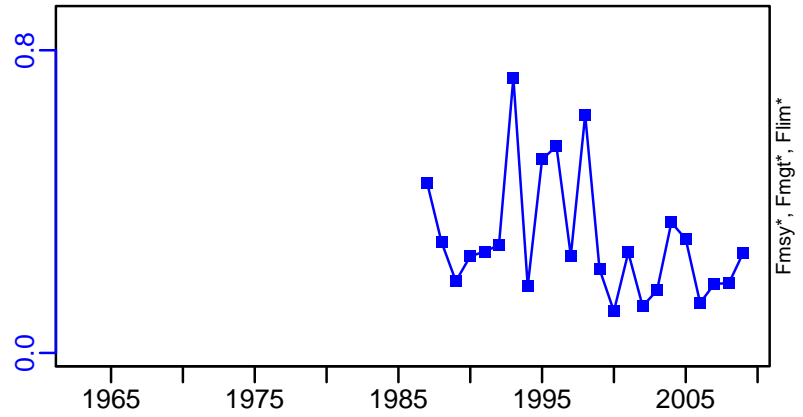
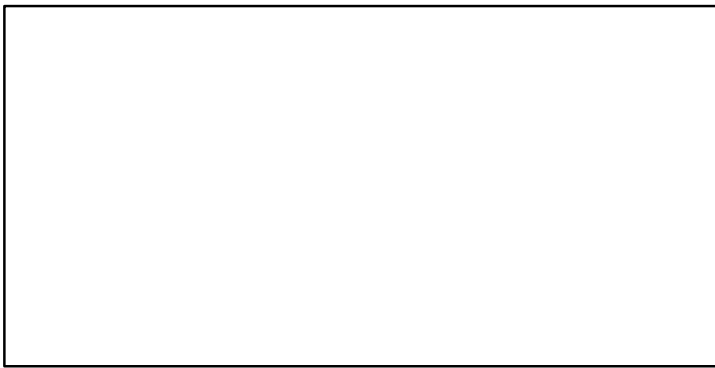
Longfin inshore squid Atlantic Coast [LISQUIDATLC]

TB-MT (1963–2009–HIVELY)

SSB*

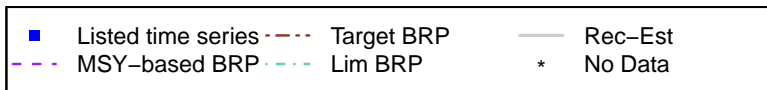
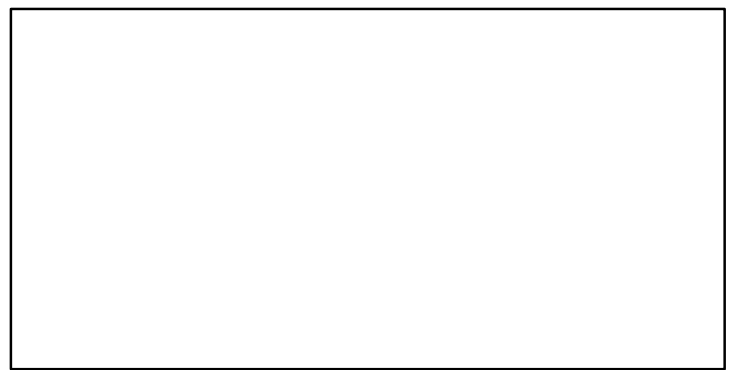
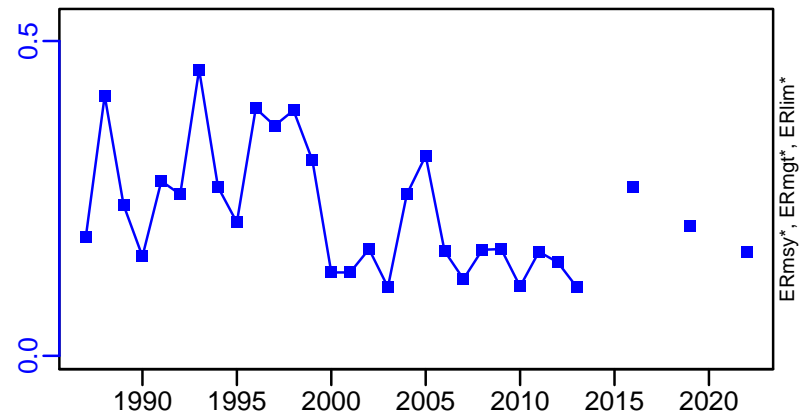


F-1/yr (1963–2009–HIVELY)



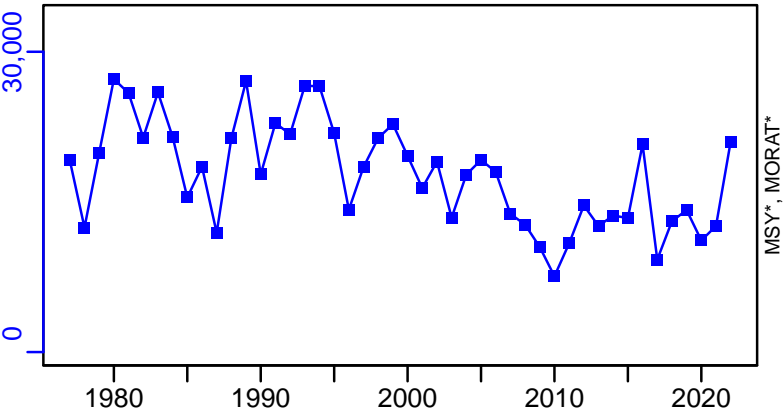
ER-ratio (1977–2022–SISIMP2024)

Recruits*



Longfin inshore squid Atlantic Coast [LISQUIDATLC]

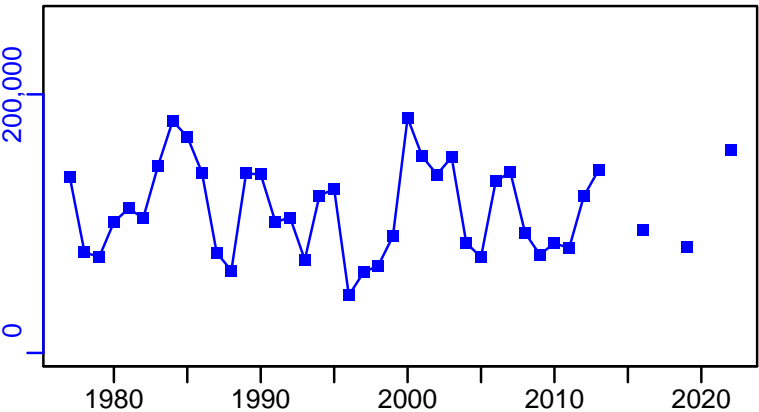
TC-MT, TL*, RecC* (1977-2022-SISIMP2024)



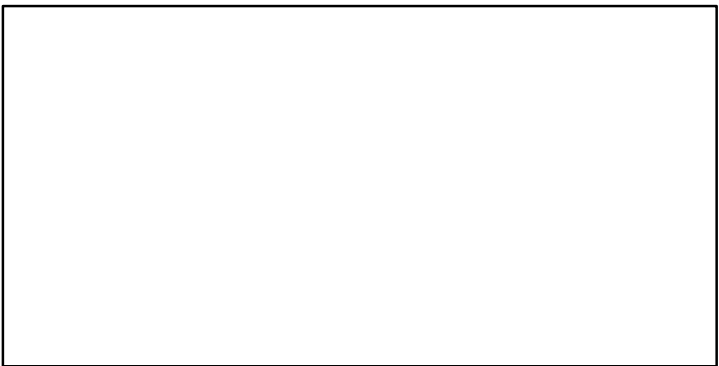
TAC*, Cpair*, Cadv*



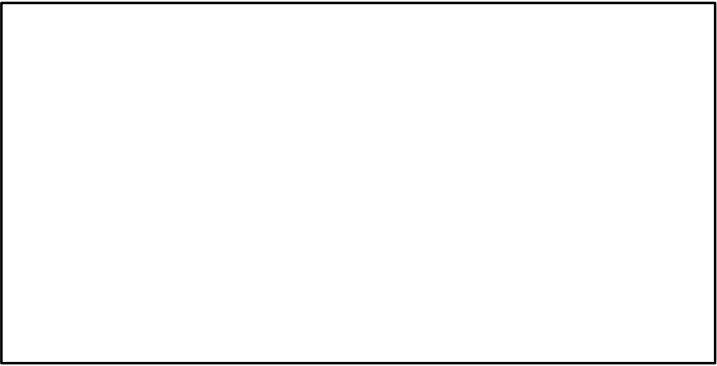
survB-MT (1977-2022-SISIMP2024)



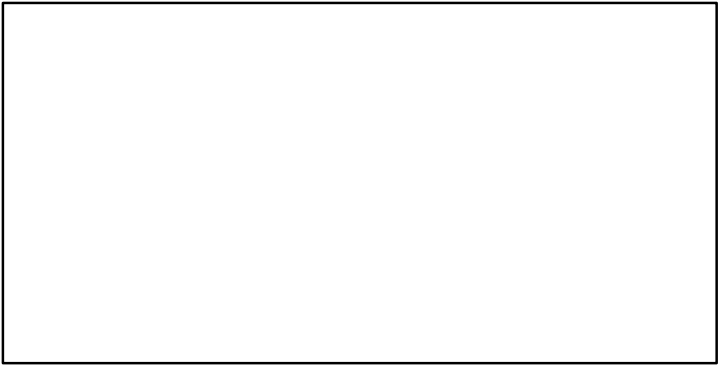
CPUE*



EFFORT*



CdivMSY*



American lobster Gulf of Maine / Georges Bank [LOBSTERGOMGB]

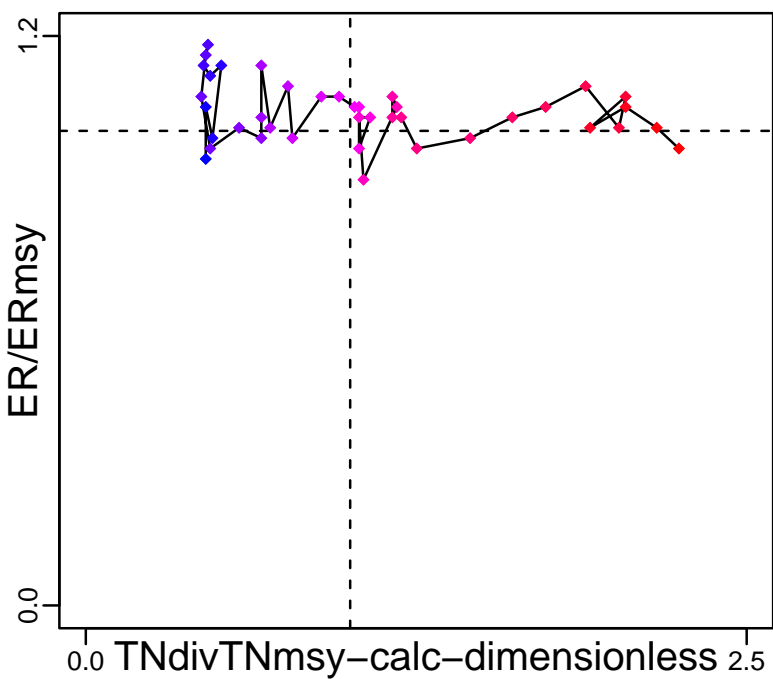
| Metadata | |
|-----------------------------|---|
| Scientific Name | Homarus americanus |
| Current Assess ID | ASMFC-LOBSTERGOMGB-1979-2018-HIVELY |
| Area | Gulf of Maine / Georges Bank |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Atlantic States Marine Fisheries Commission |
| Asmts in RAM | 2018 |

| Reference Points | | | |
|------------------|-------------|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | - | - | - |
| Fmsy | - | - | - |
| ERmsy | ERmsy-ratio | 2018 | 0.457 |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | - | - | - |
| M | M-1/yr | 2018 | 0.15 |
| TBlim | - | - | - |
| SSBlim | - | - | - |
| Flim | - | - | - |
| ERlim | - | - | - |

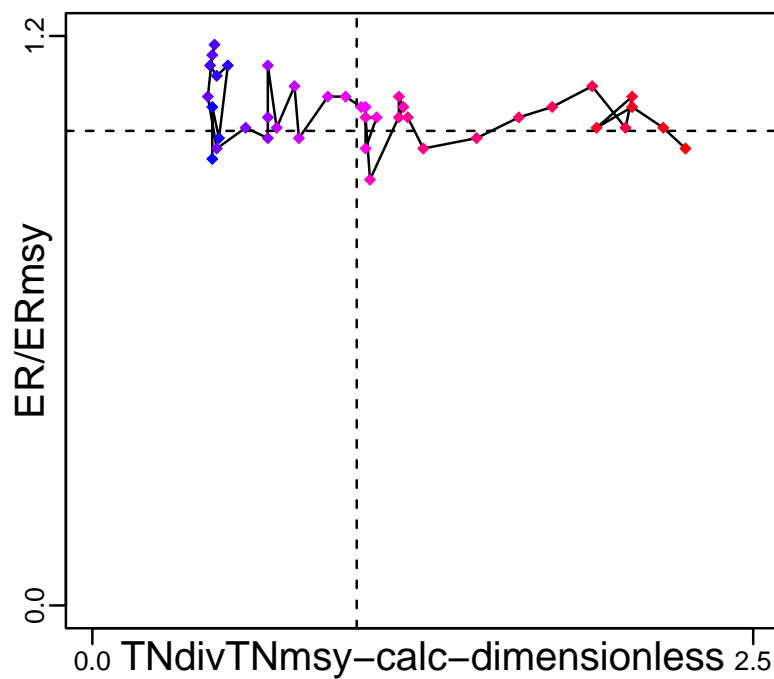
| Time Series | | | | | |
|-------------------|----------------------|-----------|--------------------|---------|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2018 | 39,445 | Females | - |
| TN | TN-E00 | 2018 | 2.67×10^8 | Both | - |
| R | R-E00 | 2018 | 3.73×10^8 | Both | - |
| F | - | - | - | - | - |
| ER | ER-ratio | 2018 | 0.44 | Both | - |
| TC | - | - | - | | |
| TL | TL-MT | 2018 | 64,447 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | ER-ratio/ERmsy-ratio | 2018 | 0.963 | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

American lobster Gulf of Maine / Georges Bank [LOBSTERGOMGB]

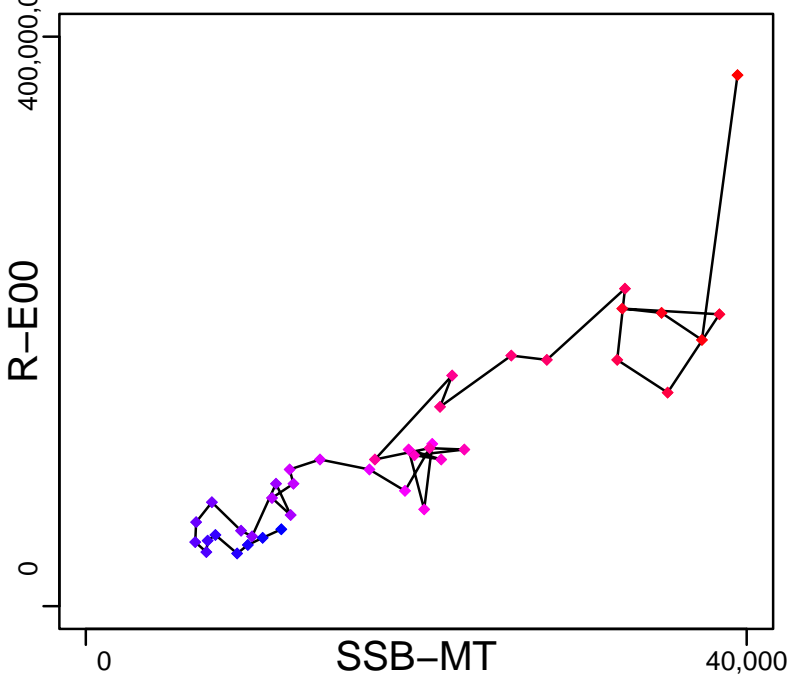
Kobe MSYpref (1979–2018–HIVELY)



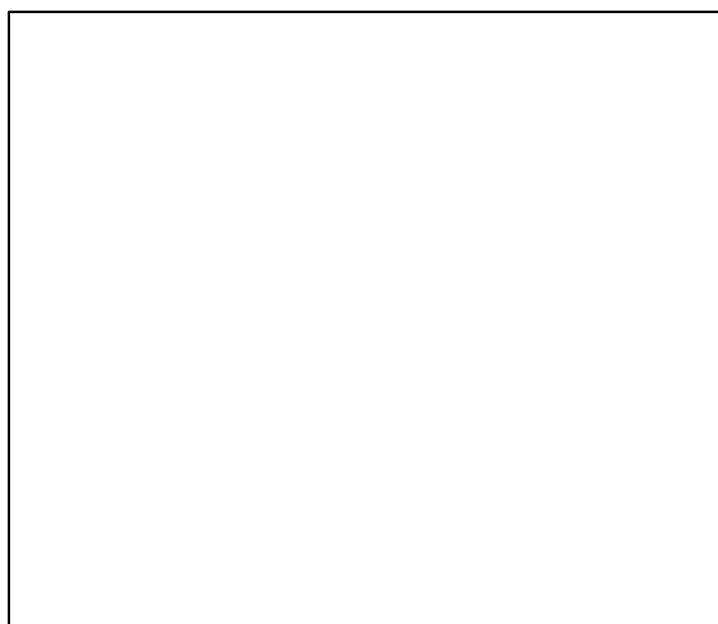
Kobe MGTpref (1979–2018–HIVELY)



Spawner Recruit (1979–2018–HIVELY)



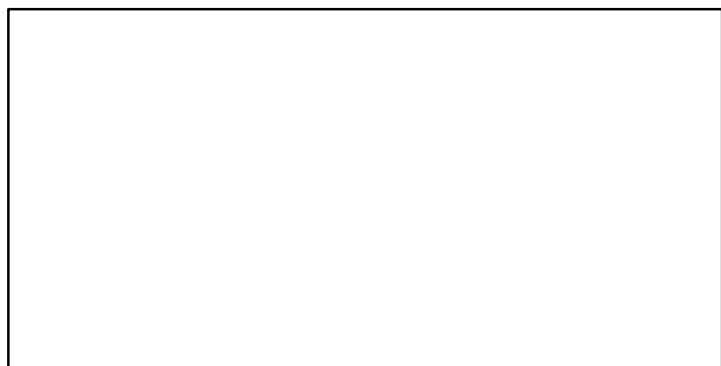
Production*



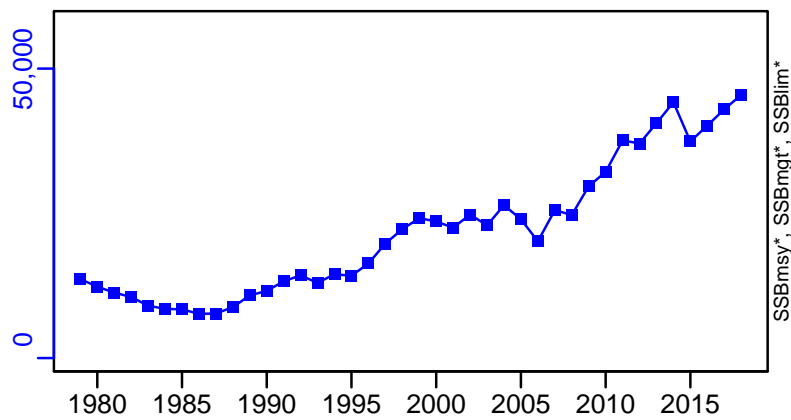
◆ Start Year ◆ End Year * No Data

American lobster Gulf of Maine / Georges Bank [LOBSTERGOMGB]

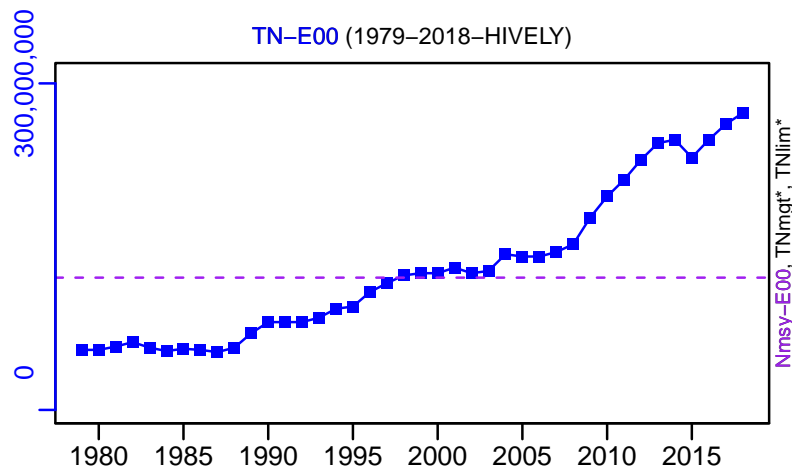
TB*



SSB-MT (1979–2018–HIVELY)



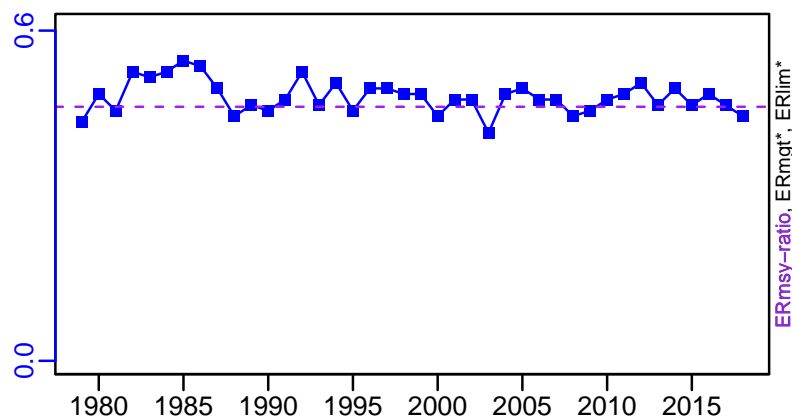
TN-E00 (1979–2018–HIVELY)



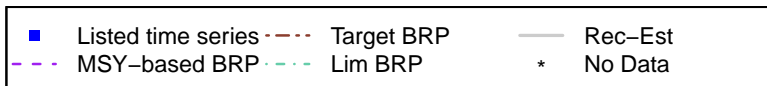
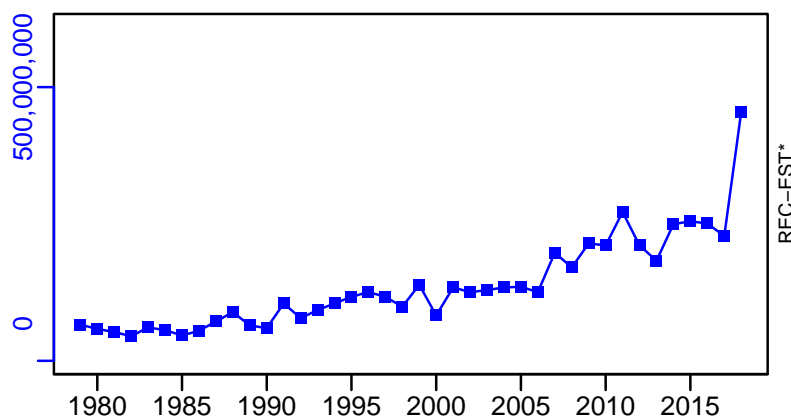
F*



ER-ratio (1979–2018–HIVELY)

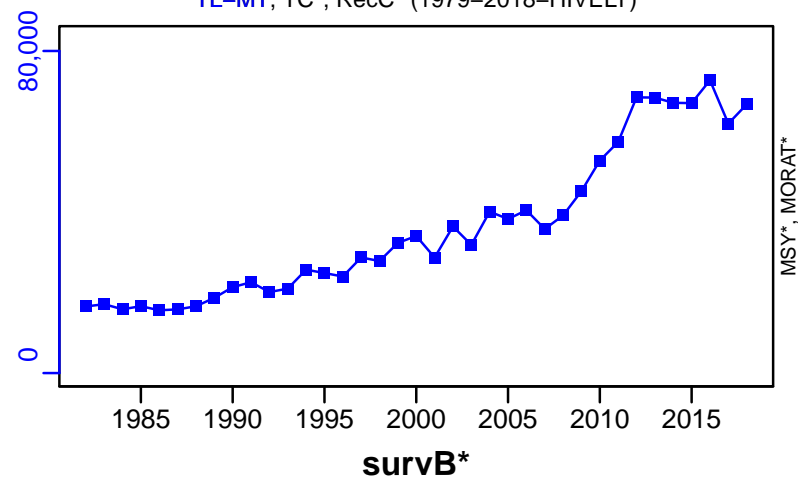


R-E00 (1979–2018–HIVELY)

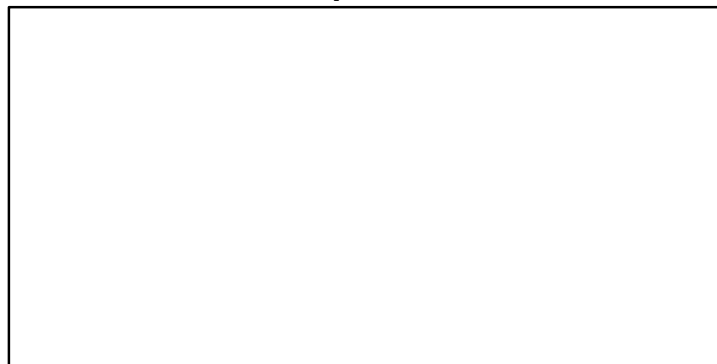


American lobster Gulf of Maine / Georges Bank [LOBSTERGOMGB]

TL-MT, TC*, RecC* (1979-2018-HIVELY)



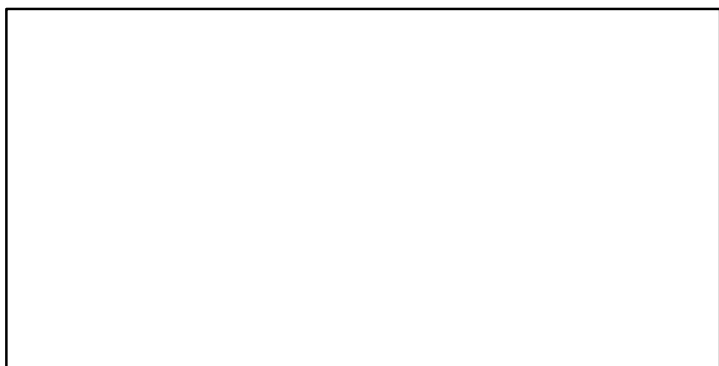
TAC*, Cpair*, Cadv*



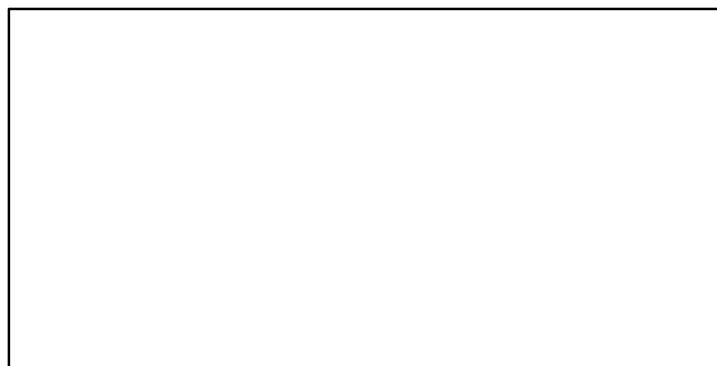
CPUE*



EFFORT*



CdivMSY*



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

American lobster Southern New England [LOBSTERSNE]

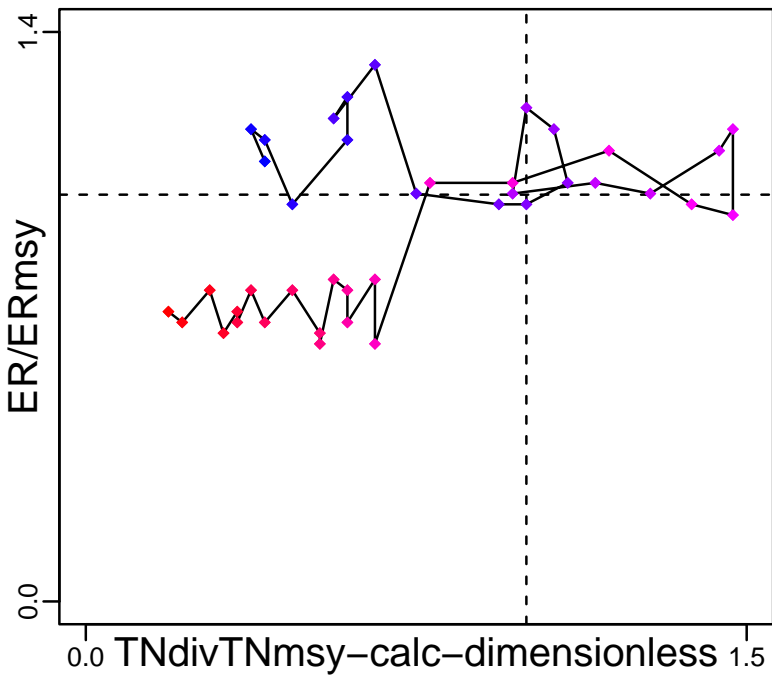
| Metadata | |
|-----------------------------|---|
| Scientific Name | Homarus americanus |
| Current Assess ID | ASMFC-LOBSTERSNE-1979-2018-HIVELY |
| Area | Southern New England |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Atlantic States Marine Fisheries Commission |
| Asmts in RAM | 2018, 2007 |

| Reference Points | | | |
|------------------|-------------|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | - | - | - |
| Fmsy | - | - | - |
| ERmsy | ERmsy-ratio | 2018 | 0.379 |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | - | - | - |
| M | M-1/yr | 2018 | 0.285 |
| TBlim | - | - | - |
| SSBlim | - | - | - |
| Flim | - | - | - |
| ERlim | - | - | - |

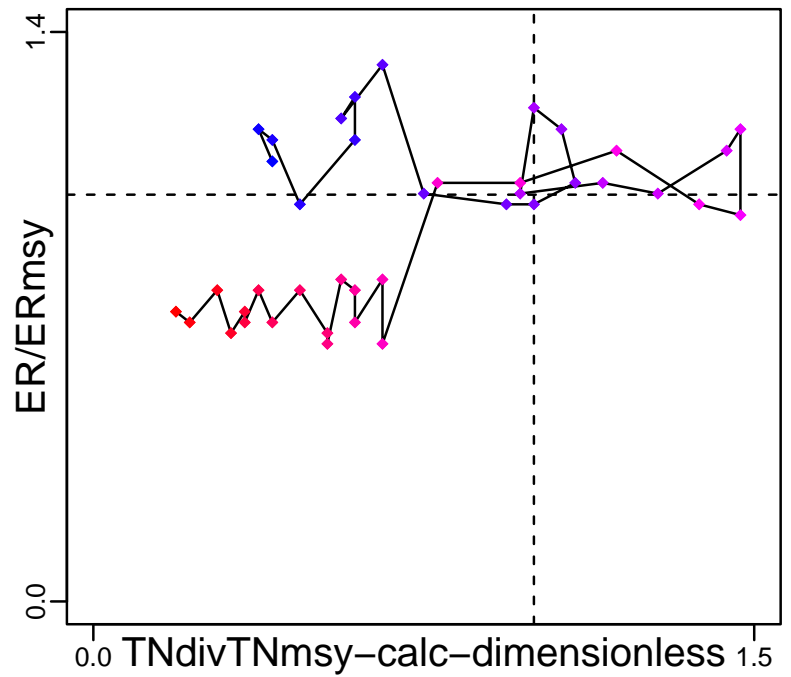
| Time Series | | | | | |
|-------------------|----------------------|-----------|-----------------|---------|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2018 | 966 | Females | - |
| TN | TN-E00 | 2018 | 6×10^6 | Both | - |
| R | R-E00 | 2018 | 2×10^6 | Both | - |
| F | F-1/yr | 2007 | 1.04 | - | - |
| ER | ER-ratio | 2018 | 0.27 | Both | - |
| TC | - | - | - | | |
| TL | TL-MT | 2018 | 1243 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | ER-ratio/ERmsy-ratio | 2018 | 0.712 | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

American lobster Southern New England [LOBSTERSNE]

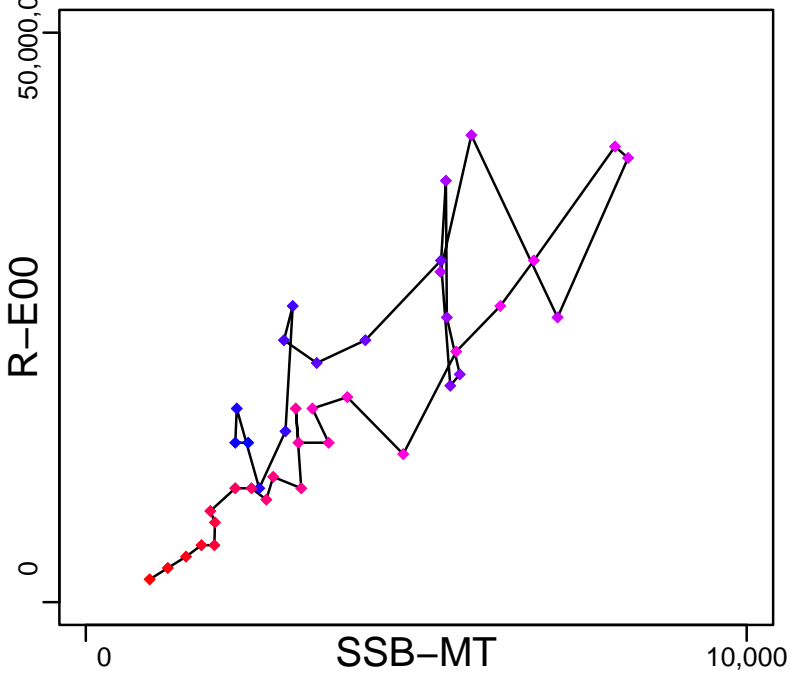
Kobe MSYpref (1979–2018–HIVELY)



Kobe MGTpref (1979–2018–HIVELY)



Spawner Recruit (1979–2018–HIVELY)



Production*



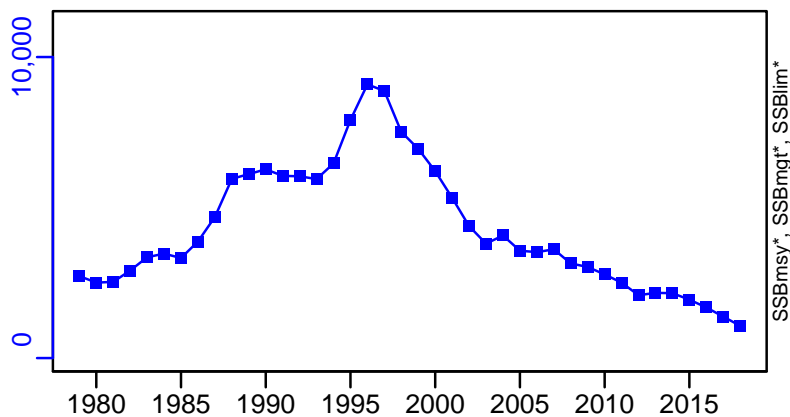
◆ Start Year ◆ End Year * No Data

American lobster Southern New England [LOBSTERSNE]

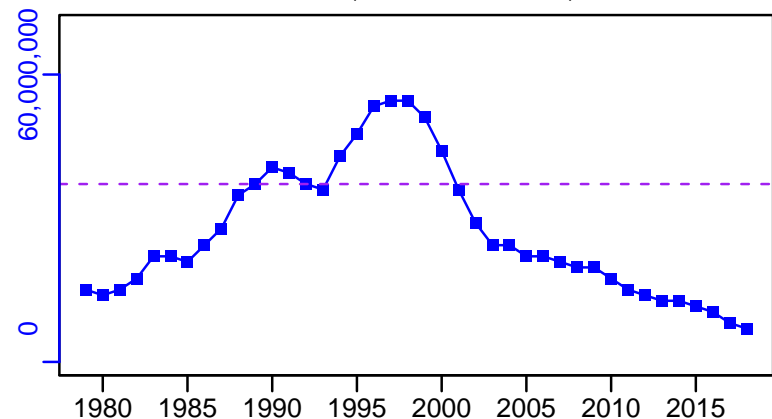
TB*



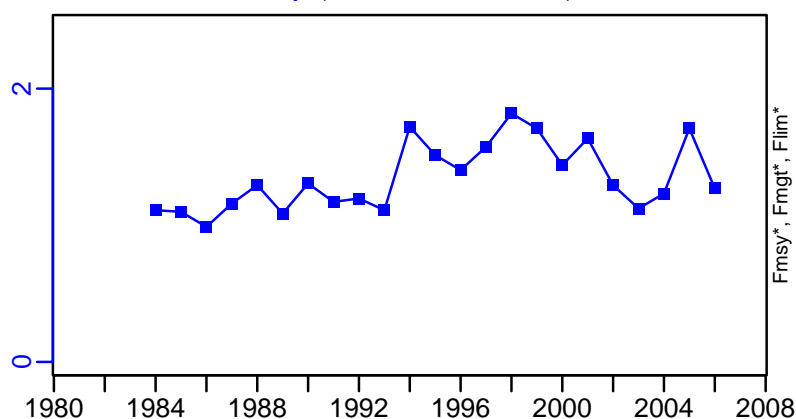
SSB-MT (1979–2018–HIVELY)



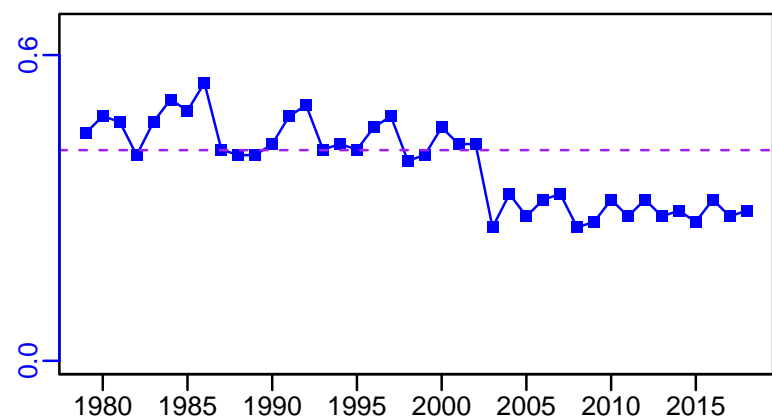
TN-E00 (1979–2018–HIVELY)



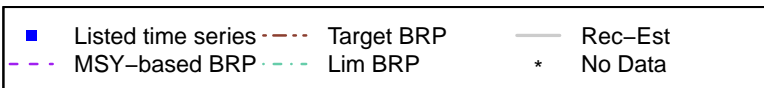
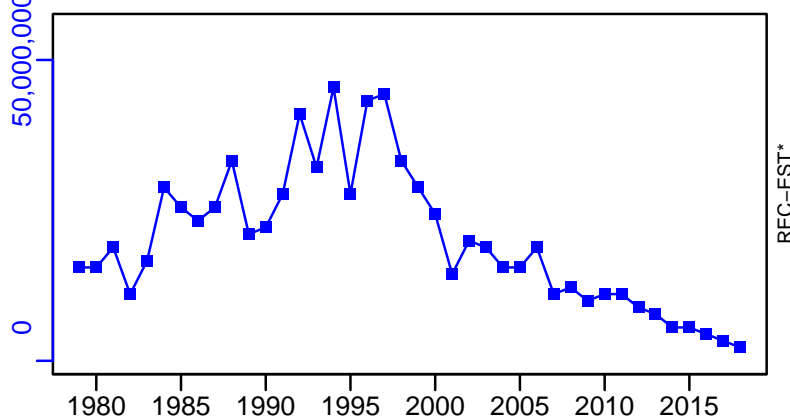
F-1/yr (1981–2007–STANTON)



ER-ratio (1979–2018–HIVELY)



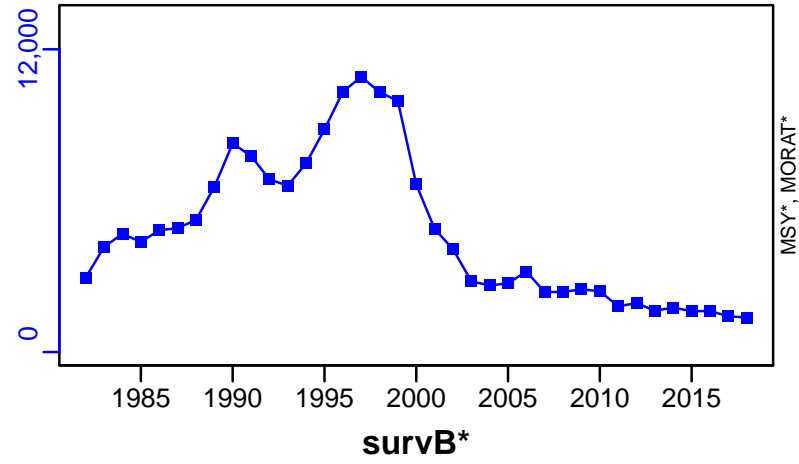
R-E00 (1979–2018–HIVELY)



American lobster Southern New England [LOBSTERSNE]

TL-MT, TC*, RecC* (1979-2018-HIVELY)

TAC*, Cpair*, Cadv*



Little skate Gulf of Maine / Cape Hatteras [LSKAT5YCHATT]

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

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

| Time Series | | | | | |
|-------------|-------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | - | - | - | - | - |
| TN | - | - | - | - | - |
| R | - | - | - | - | - |
| F | - | - | - | - | - |
| ER | - | - | - | - | - |
| TC | TC-MT | 2006 | 3320 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*



Recruits*

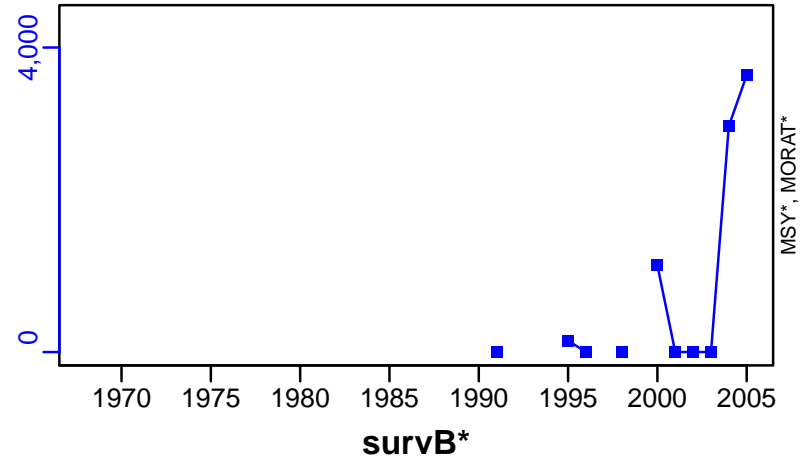


| | | |
|----------------------|------------------|-----------|
| ■ Listed time series | - - - Target BRP | — Rec-Est |
| - - - MSY-based BRP | · · · Lim BRP | * No Data |

Little skate Gulf of Maine / Cape Hatteras [LSKAT5YCHATT]

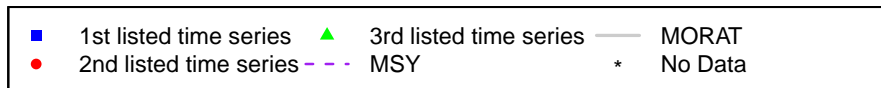
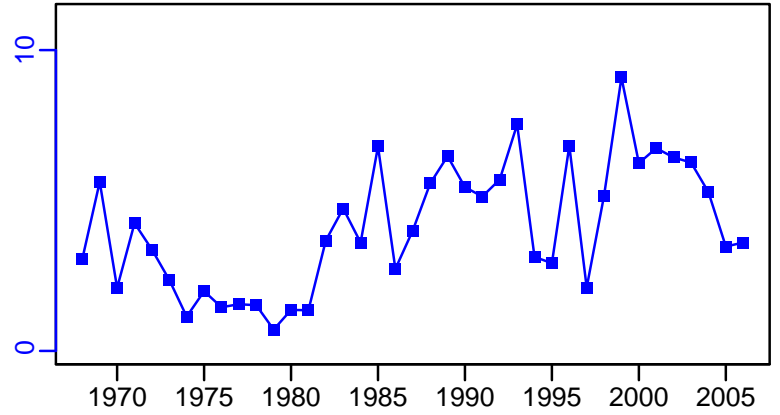
TC-MT, TL*, RecC* (1968-2006-SOSEBEE)

TAC*, Cpair*, Cadv*



EFFORT*

CPUE-kgpertow (1968-2006-SOSEBEE)



Little skate Georges Bank-Southern New England [LSKAT5ZSNE]

| Metadata | |
|-----------------------------|---|
| Scientific Name | Leucoraja erinacea |
| Current Assess ID | NEFSC-LSKAT5ZSNE-1968-2019-SISIMP2021-2 |
| Area | Georges Bank-Southern New England |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2019 |

| 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 | 2019 | 8840 | | |
| 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

Little skate Georges Bank–Southern New England [LSKAT5ZSNE]

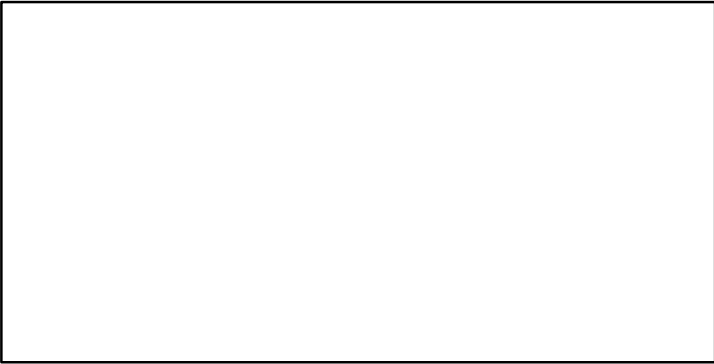
TB*



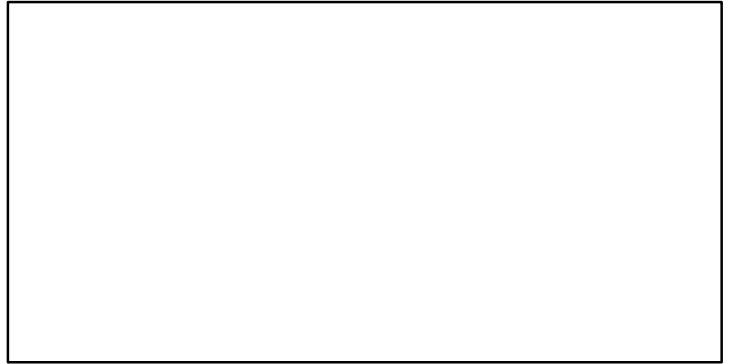
SSB*



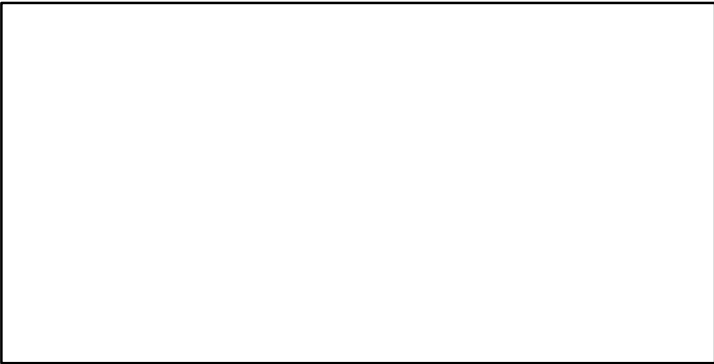
TN *



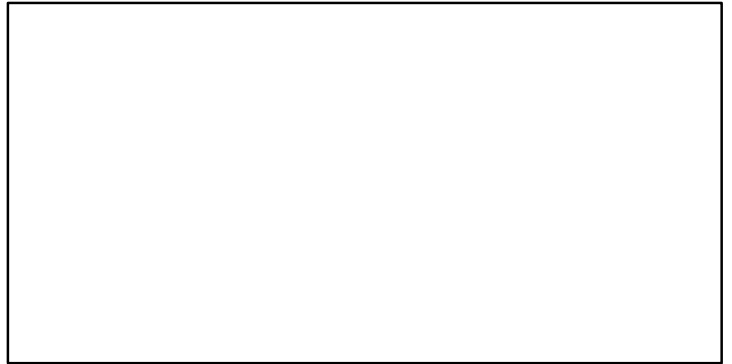
F*



ER*

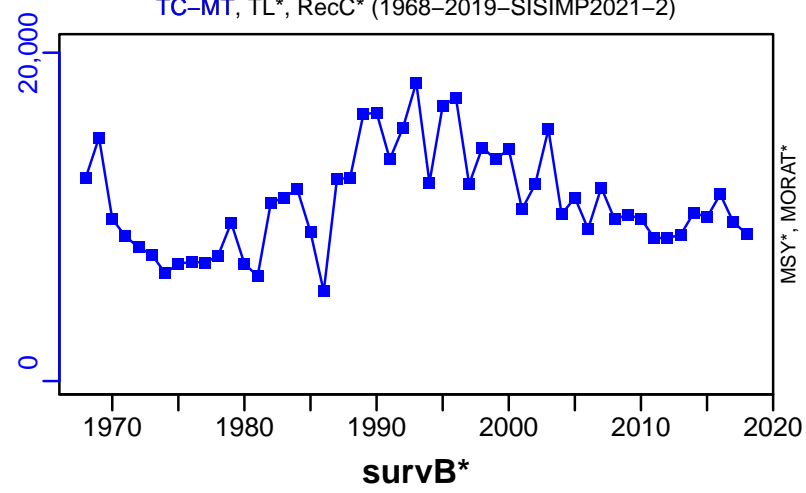


Recruits*



Little skate Georges Bank–Southern New England [LSKAT5ZSNE]

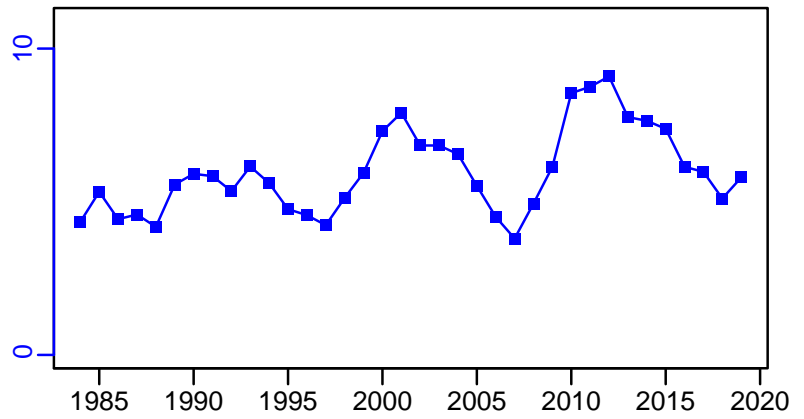
TC–MT, TL*, RecC* (1968–2019–SISIMP2021–2)



TAC*, Cpair*, Cadv*



CPUE–index (1968–2019–SISIMP2021–2)



EFFORT*



CdivMSY*



Atlantic mackerel Gulf of Maine / Cape Hatteras [MACK5YCHATT]

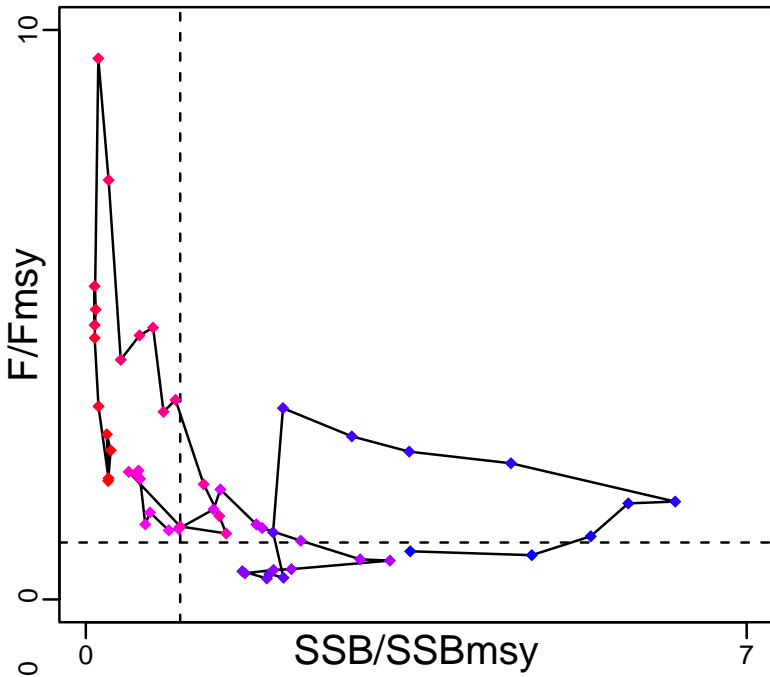
| Metadata | |
|-----------------------------|---|
| Scientific Name | Scomber scombrus |
| Current Assess ID | NEFSC-MACK5YCHATT-1960-2019-SISIMP2021-2 |
| Area | Gulf of Maine / Cape Hatteras |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2016, 2019 |

| Reference Points | | | |
|------------------|-----------|-----------|---------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2019 | 181,000 |
| Fmsy | Fmsy-1/yr | 2019 | 0.22 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | - | - | - |
| M | - | - | - |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2019 | 90,500 |
| Flim | - | - | - |
| ERlim | - | - | - |

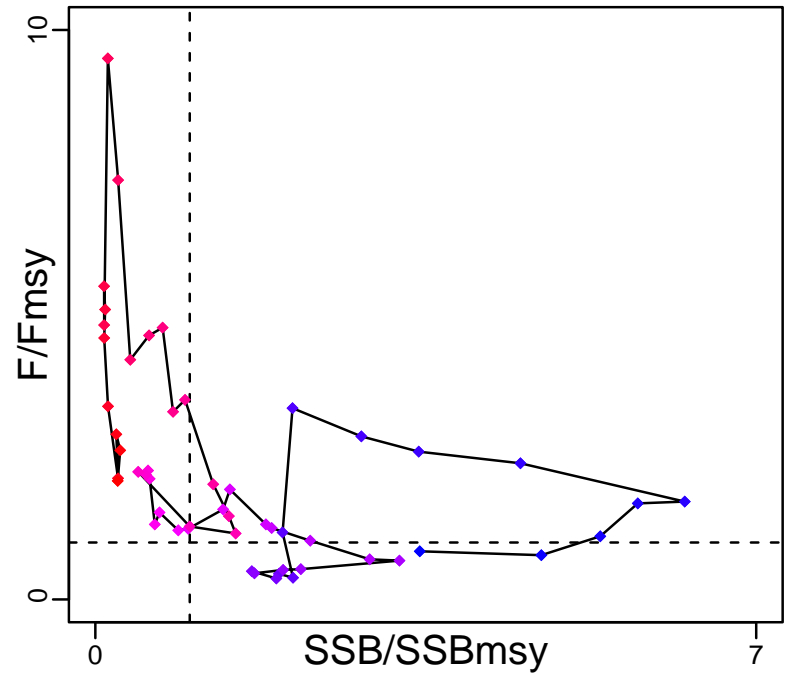
| Time Series | | | | | |
|-------------------|------------------|-----------|--------------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2019 | 42,900 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2019 | 1.36×10^8 | - | 1 |
| F | F-1/yr | 2019 | 0.458 | - | - |
| ER | - | - | - | - | - |
| TC | TC-MT | 2019 | 16,300 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2019 | 0.237 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2019 | 2.082 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Atlantic mackerel Gulf of Maine / Cape Hatteras [MACK5YCHATT]

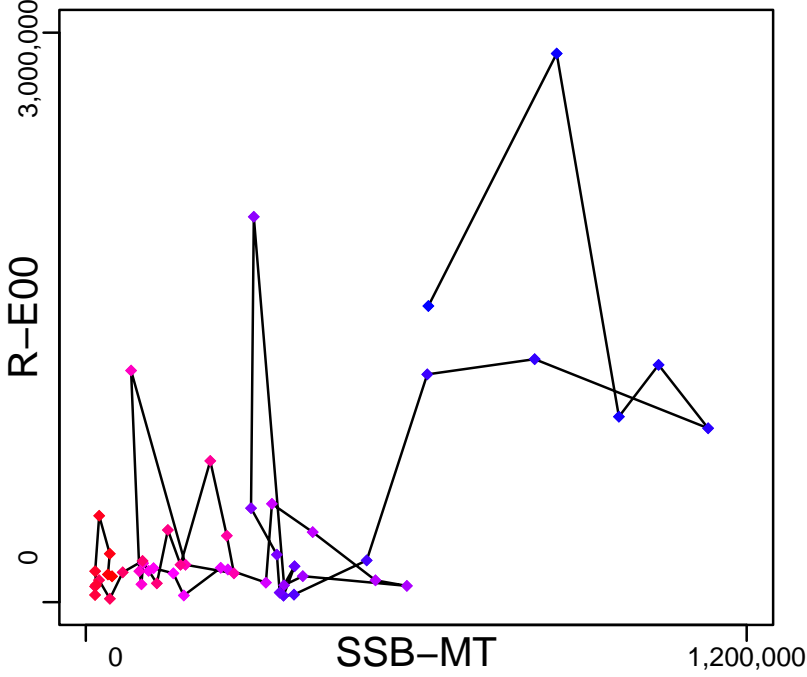
Kobe MSYpref (1960–2019–SISIMP2021–2)



Kobe MGTpref (1960–2019–SISIMP2021–2)



Spawner Recruit (1960–2019–SISIMP2021–2)



Production*



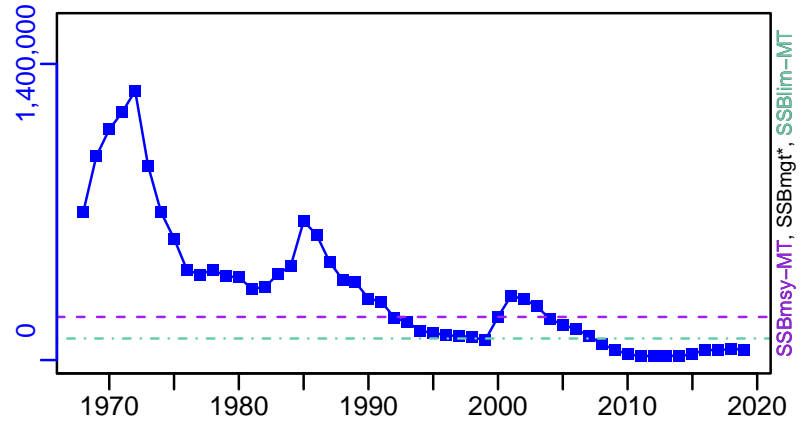
◆ Start Year ◆ End Year * No Data

Atlantic mackerel Gulf of Maine / Cape Hatteras [MACK5YCHATT]

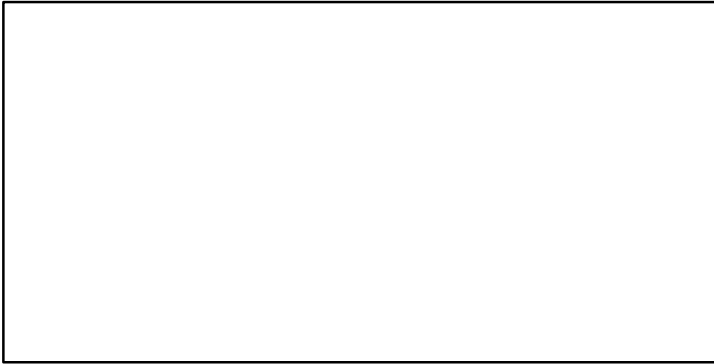
TB*



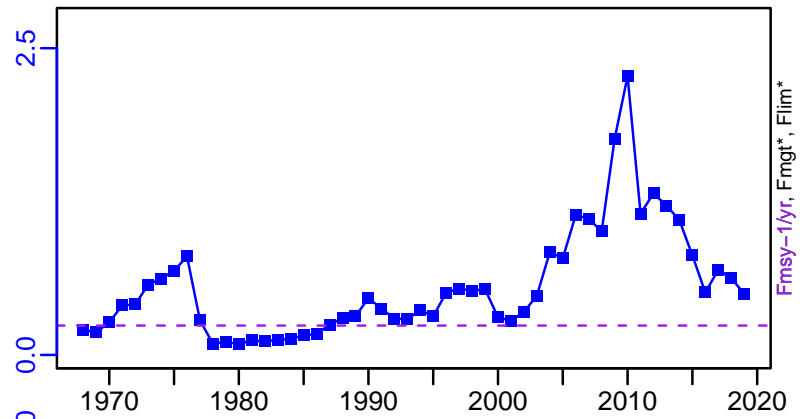
SSB-MT (1960–2019–SISIMP2021–2)



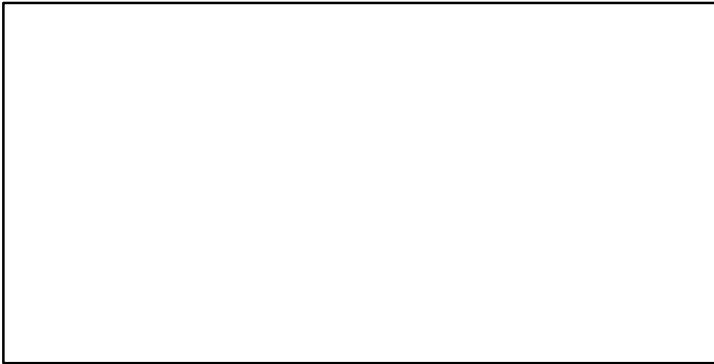
TN *



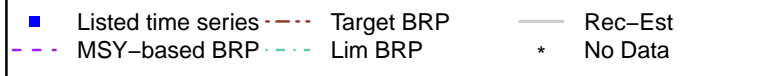
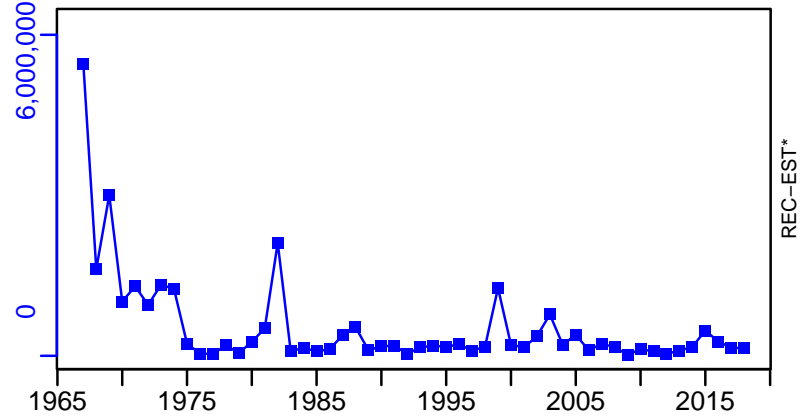
F-1/yr (1960–2019–SISIMP2021–2)



ER*

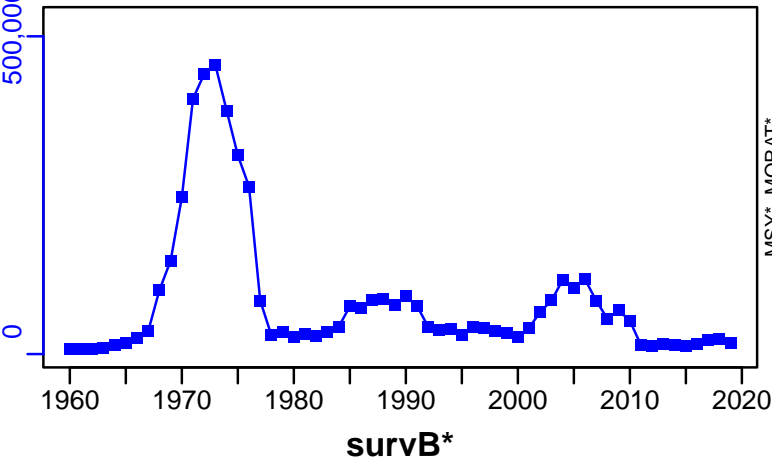


R-E00 (1960–2019–SISIMP2021–2)

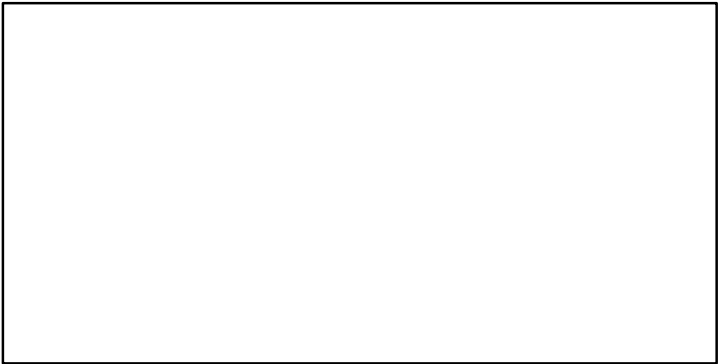


Atlantic mackerel Gulf of Maine / Cape Hatteras [MACK5YCHATT]

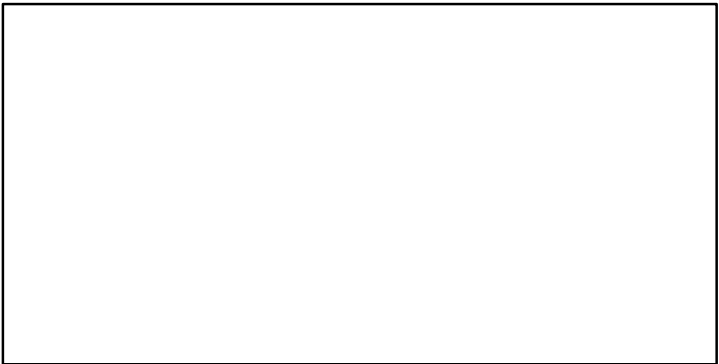
TC-MT, TL*, RecC* (1960-2019-SISIMP2021-2)



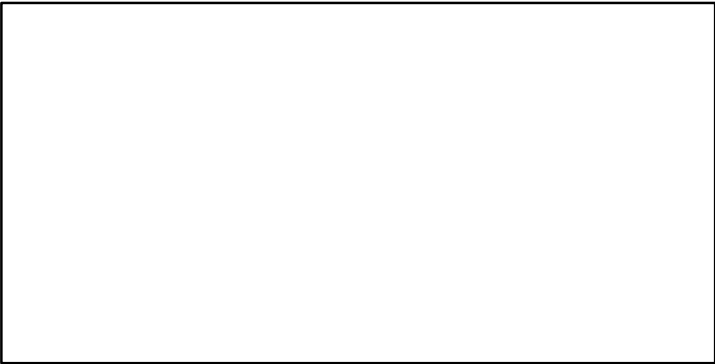
TAC*, Cpair*, Cadv*



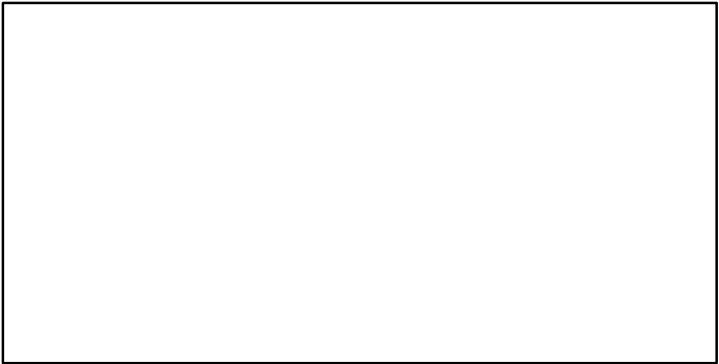
CPUE*



EFFORT*



CdivMSY*



Atlantic menhaden Atlantic [MENATLAN]

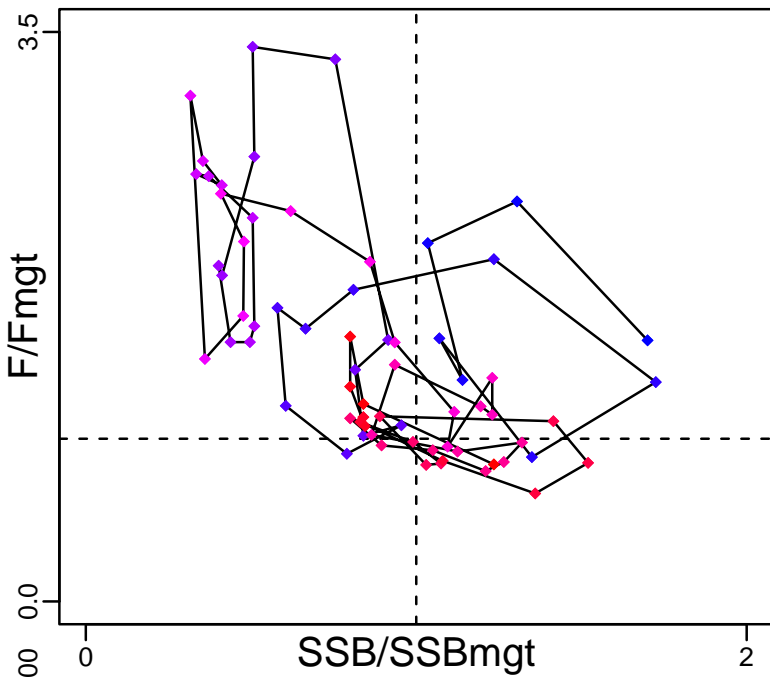
| Metadata | |
|-----------------------------|---|
| Scientific Name | Brevoortia tyrannus |
| Current Assess ID | ASMFC-MENATLAN-1955-2021-HIVELY |
| Area | Atlantic |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Atlantic States Marine Fisheries Commission |
| Asmts in RAM | 2017, 2021, 2005 |

| Reference Points | | | |
|------------------|----------------|-----------|--------------------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | - | - | - |
| Fmsy | - | - | - |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | SSBmgt-E00eggs | 2021 | 2×10^{15} |
| Fmgt | Fmgt-1/yr | 2021 | 0.19 |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | - | - | - |
| M | M-1/yr | 2005 | 0.5 |
| TBlim | - | - | - |
| SSBlim | - | - | - |
| Flim | - | - | - |
| ERlim | - | - | - |

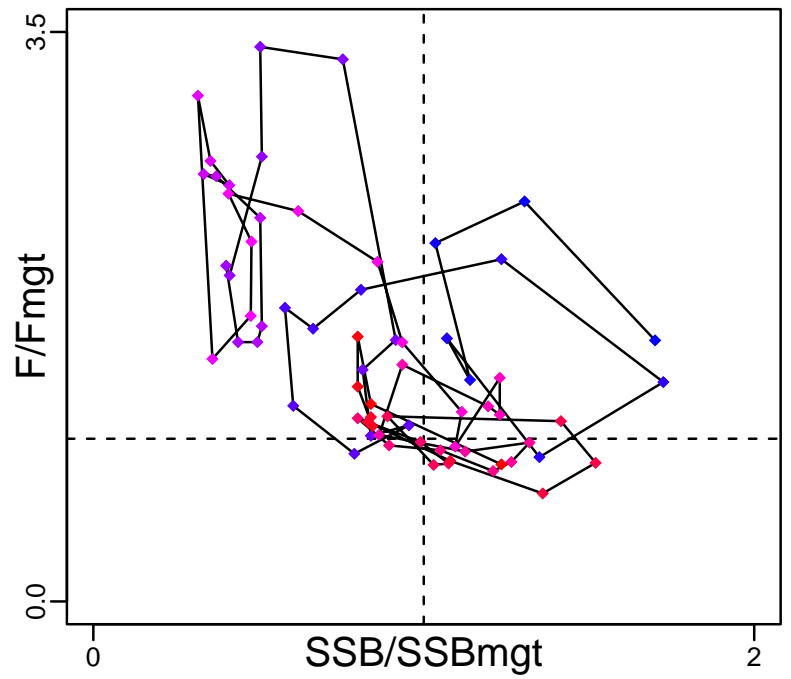
| Time Series | | | | | |
|-------------------|----------------------------|-----------|-----------------------|-----|--------|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2021 | 4,551,064 | - | 1+ |
| SSB | SSB-E00eggs | 2021 | 2.47×10^{15} | - | - |
| TN | TN-E00 | 2017 | 1.84×10^{10} | - | 0-6+ |
| R | R-E00 | 2021 | 1.01×10^{11} | - | - |
| F | F-1/yr | 2021 | 0.16 | - | 2 to 4 |
| ER | ER-calc-ratio | 2021 | 0.043 | - | - |
| TC | - | - | - | | |
| TL | TL-MT | 2021 | 197,650 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | SSB-E00eggs/SSBmgt-E00eggs | 2021 | 1.235 | | |
| F/Fmgt | F-1/yr/Fmgt-1/yr | 2021 | 0.842 | | |
| ER/ERmgt | - | - | - | | |

Atlantic menhaden Atlantic [MENATLAN]

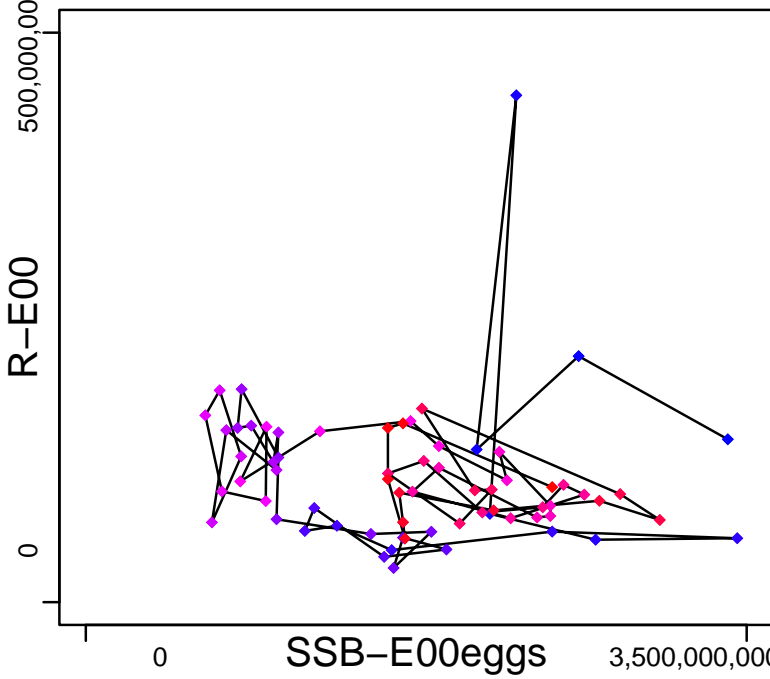
Kobe MSYpref (1955–2021–HIVELY)



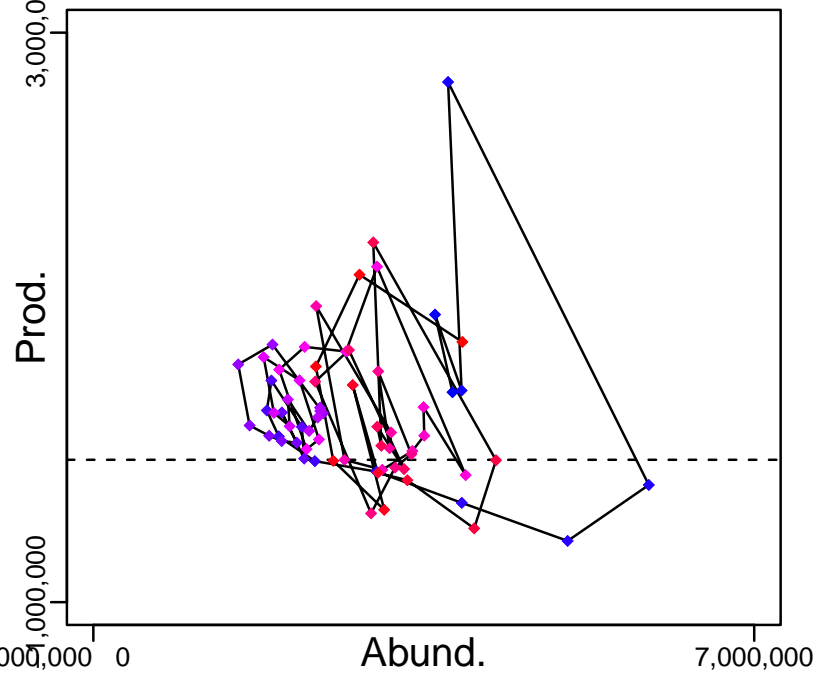
Kobe MGTpref (1955–2021–HIVELY)



Spawner Recruit (1955–2021–HIVELY)

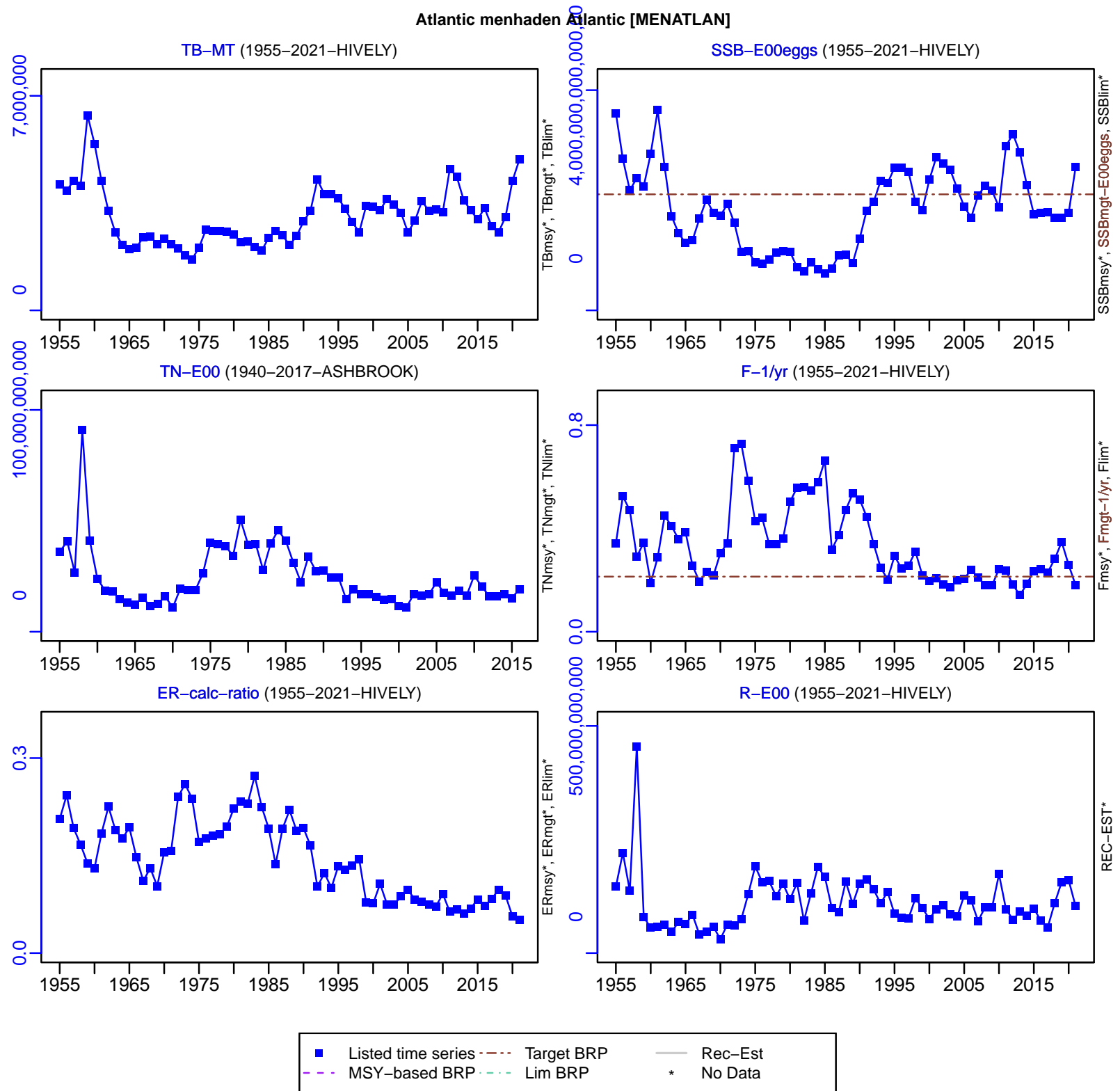


Production (1955–2021–HIVELY)



◆ Start Year ◆ End Year * No Data

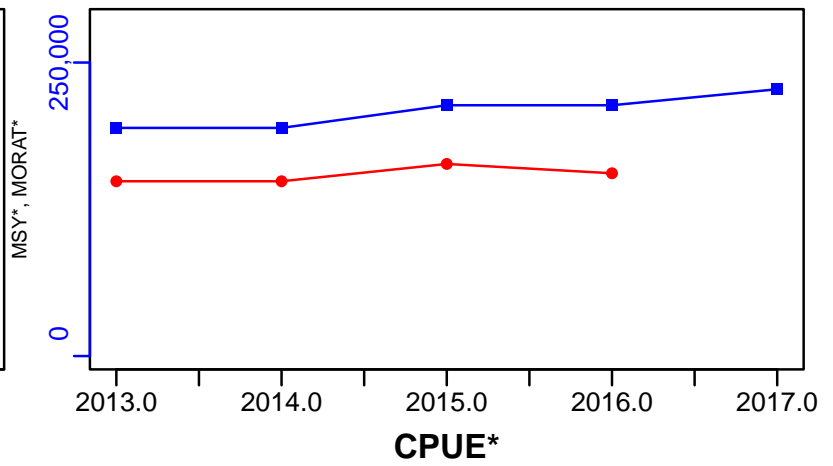
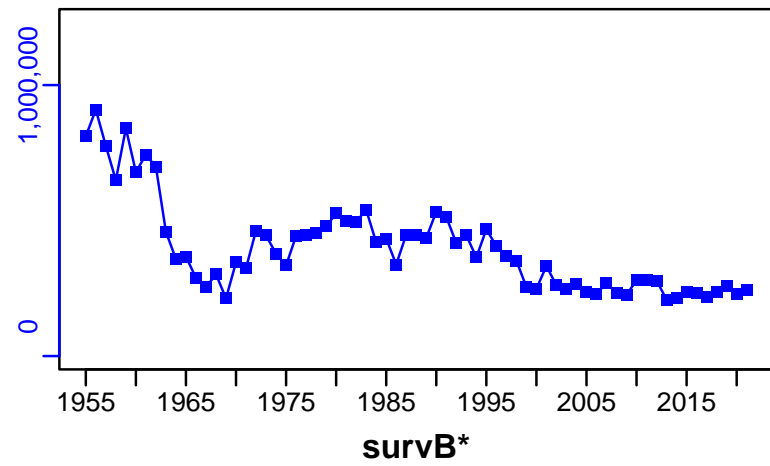
Atlantic menhaden Atlantic [MENATLAN]



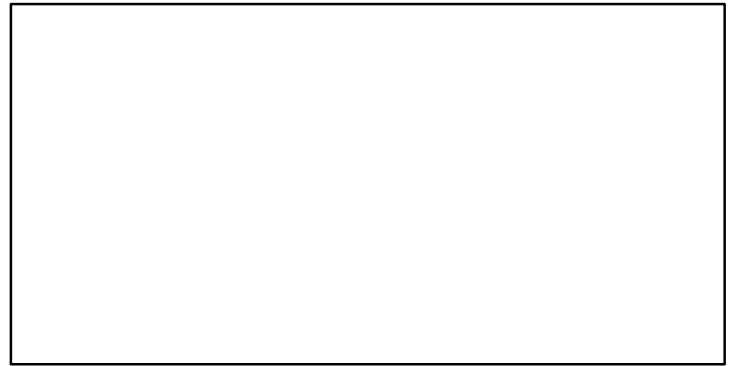
Atlantic menhaden Atlantic [MENATLAN]

TL-MT, TC*, RecC* (1955–2021–HIVELY)

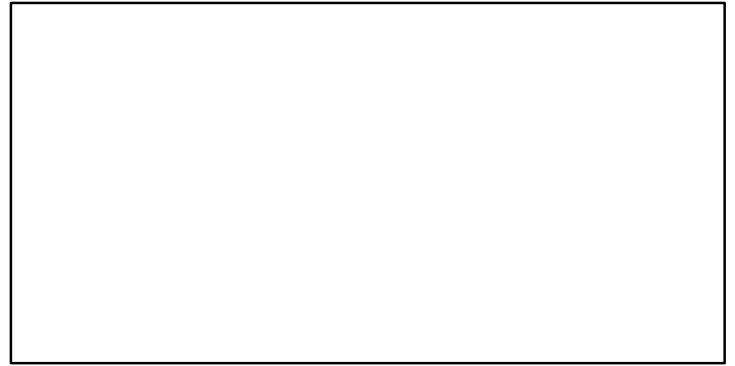
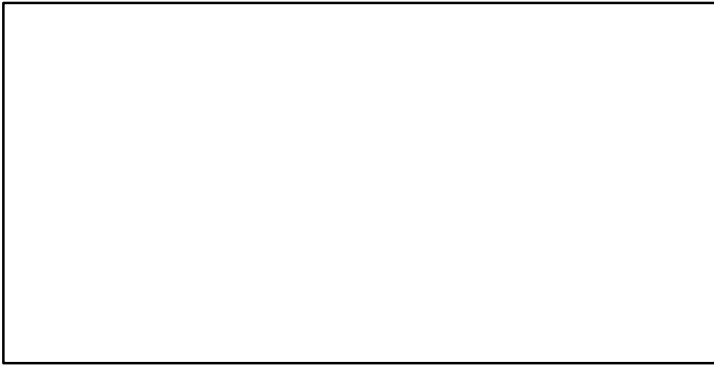
TAC-MT, Cpair-MT, Cadv* (1940–2017–ASHBROOK)



EFFORT*



CdivMSY*



Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]

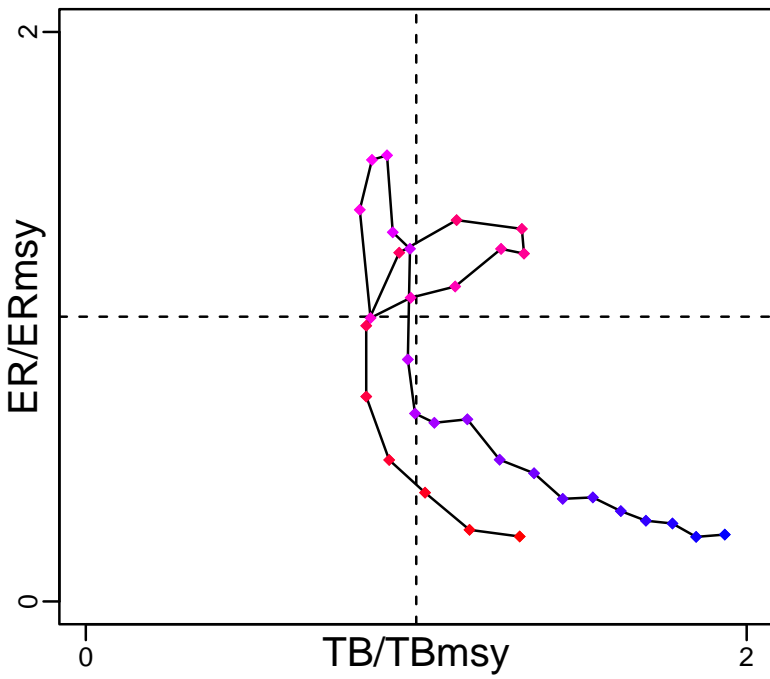
| Metadata | |
|-----------------------------|---|
| Scientific Name | Lophius americanus |
| Current Assess ID | NEFSC-MONKGOMNGB-1980-2018-SISIMP2021-2 |
| Area | Gulf of Maine / Northern Georges Bank |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2010, 2009, 2018 |

| Reference Points | | | |
|------------------|------------------|-----------|--------|
| Type | ID | Asmt Year | Value |
| TBmsy | TBmsy-MT | 2010 | 46,074 |
| SSBmsy | - | - | - |
| Fmsy | Fmsy-1/yr | 2010 | 0.44 |
| ERmsy | ERmsy-calc-ratio | 2010 | 0.204 |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2010 | 9383 |
| M | M-1/yr | 2009 | 0.3 |
| TBlim | TBlim-MT | 2010 | 23,037 |
| SSBlim | - | - | - |
| Flim | Flim-1/yr | 2010 | 0.44 |
| ERlim | - | - | - |

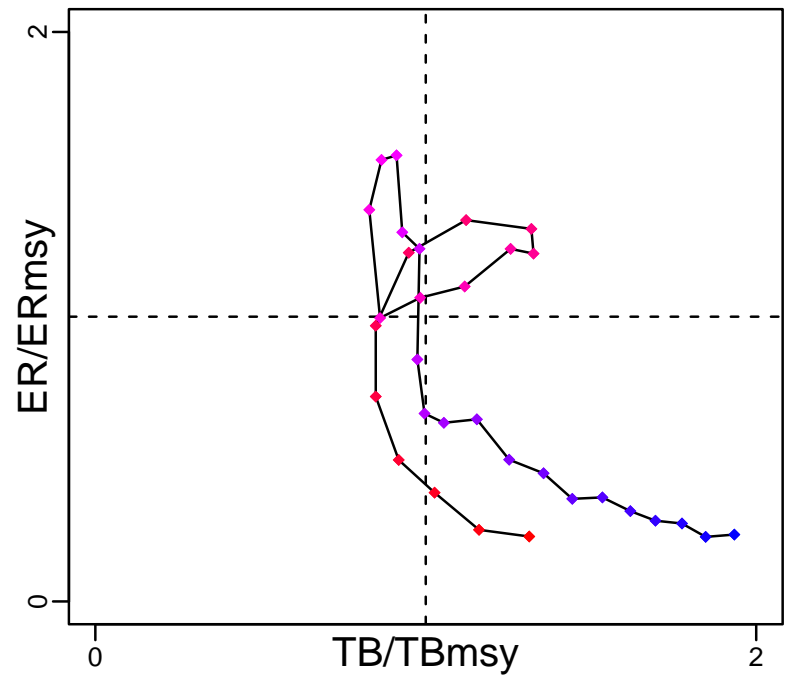
| Time Series | | | | | |
|-------------------|--------------------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2010 | 60,500 | - | - |
| SSB | - | - | - | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2010 | 11,700,000 | - | 1 |
| F | F-1/yr | 2010 | 0.08 | - | - |
| ER | ER-calc-ratio | 2010 | 0.046 | - | - |
| TC | TC-MT | 2018 | 8120 | | |
| TL | TL-MT | 2009 | 3260 | | |
| TB/TBmsy | TB-MT/TBmsy-MT | 2010 | 1.313 | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2010 | 0.182 | | |
| ER/ERmsy | ER-calc-ratio/ERmsy-calc-ratio | 2010 | 0.228 | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]

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



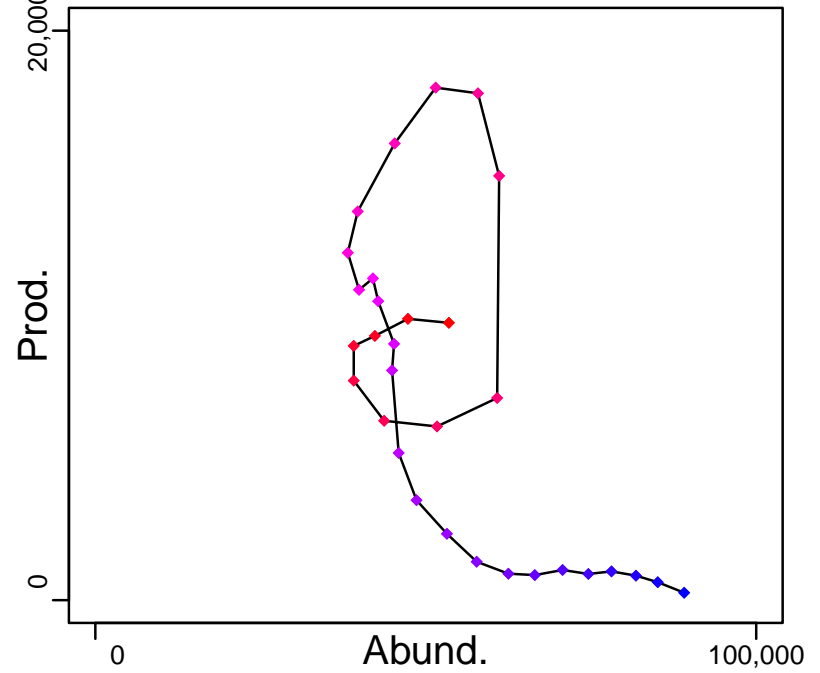
Kobe MGT_{pref} (1979–2010–SISIMP2016)



Spawner Recruit*



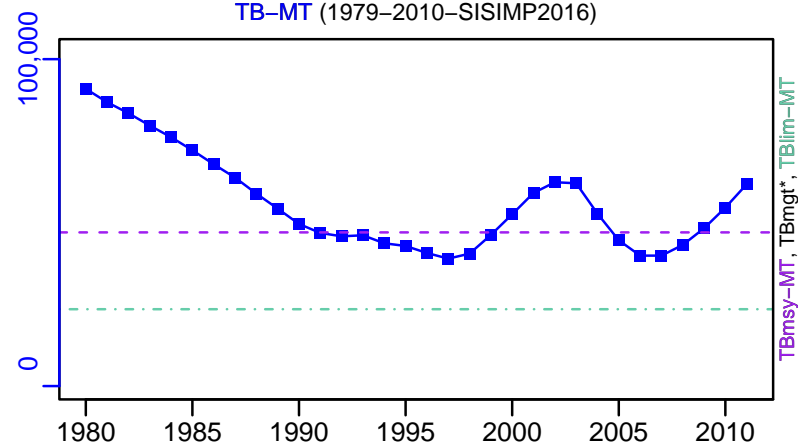
Production (1979–2010–SISIMP2016)



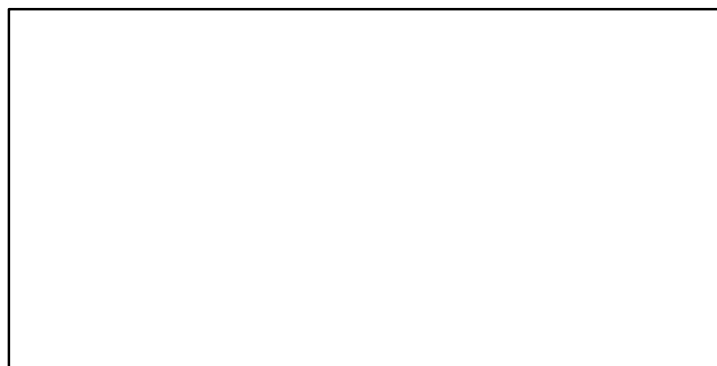
◆ Start Year ◆ End Year * No Data

Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]

TB-MT (1979–2010–SISIMP2016)



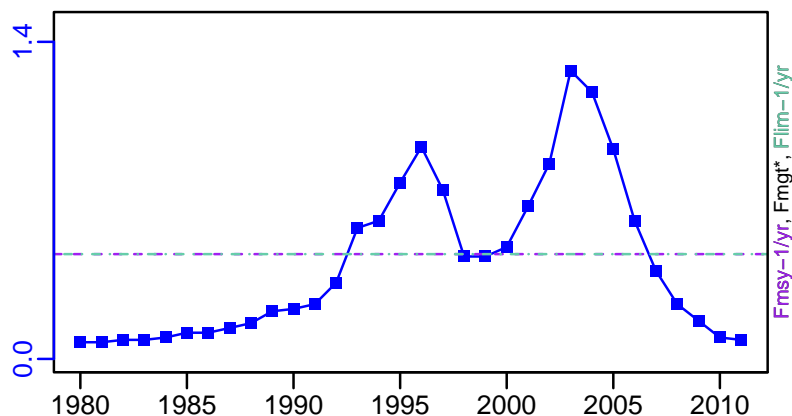
SSB*



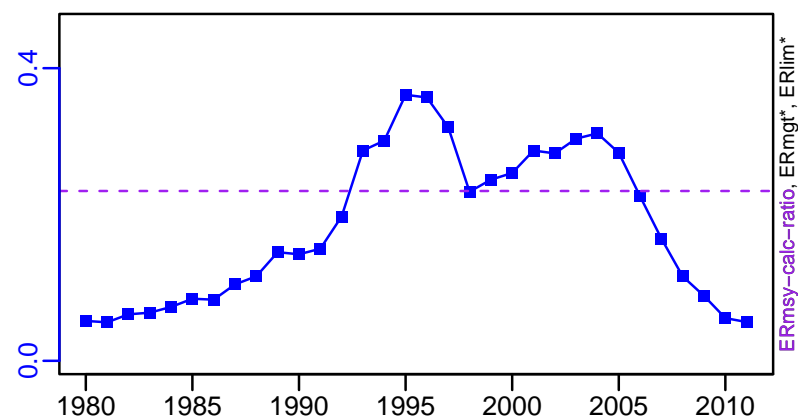
TN *



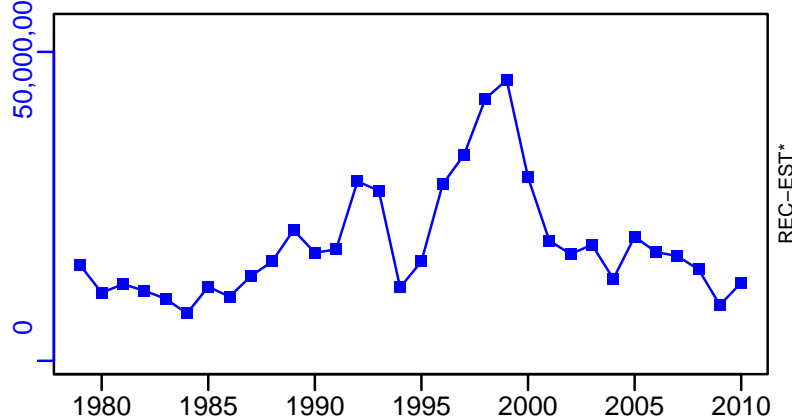
F-1/yr (1979–2010–SISIMP2016)



ER-calc-ratio (1979–2010–SISIMP2016)

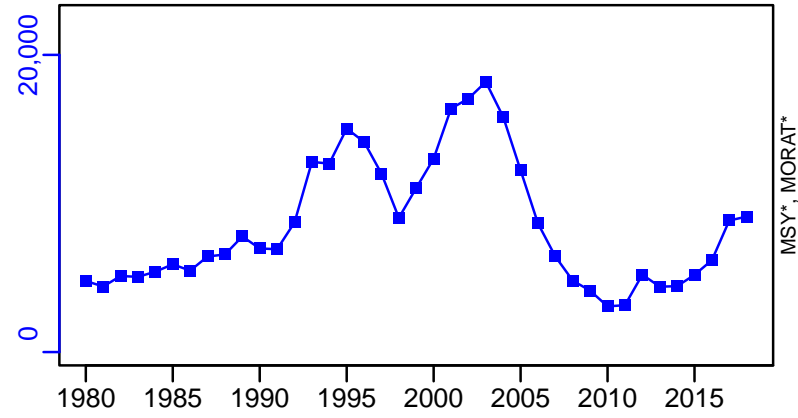


R-E00 (1979–2010–SISIMP2016)



Monkfish Gulf of Maine / Northern Georges Bank [MONKGOMNGB]

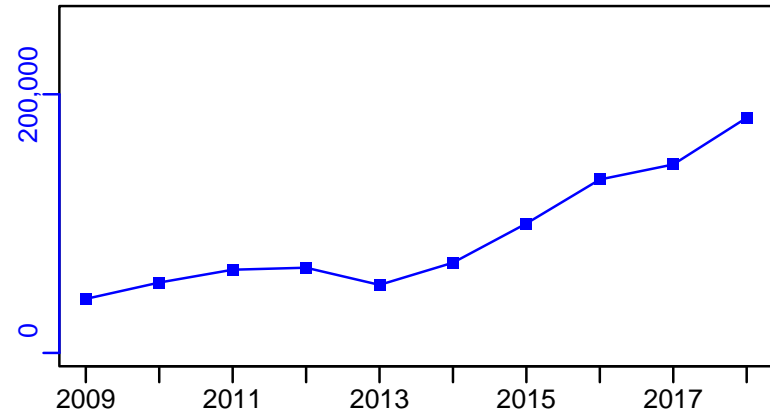
TC-MT, TL*, RecC* (1980-2018-SISIMP2021-2)



TAC*, Cpair*, Cadv*



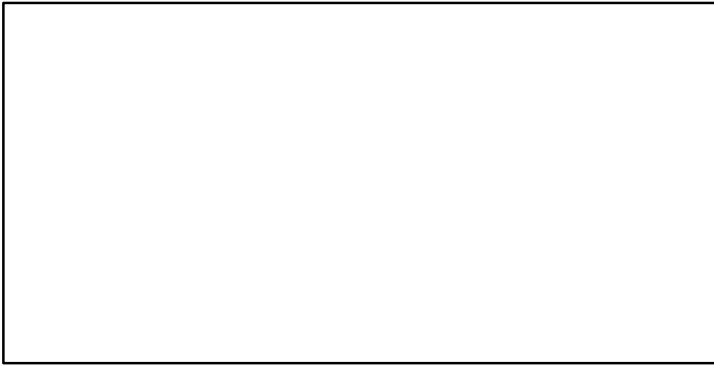
survB-MT (1980-2018-SISIMP2021-2)



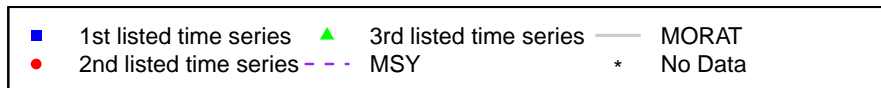
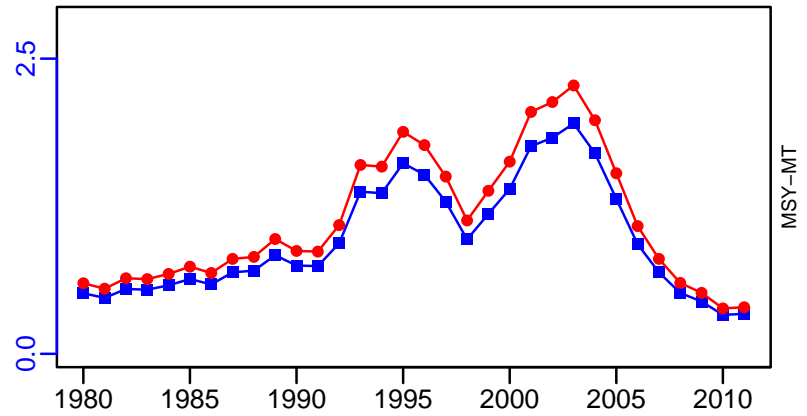
CPUE*



EFFORT*



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



Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]

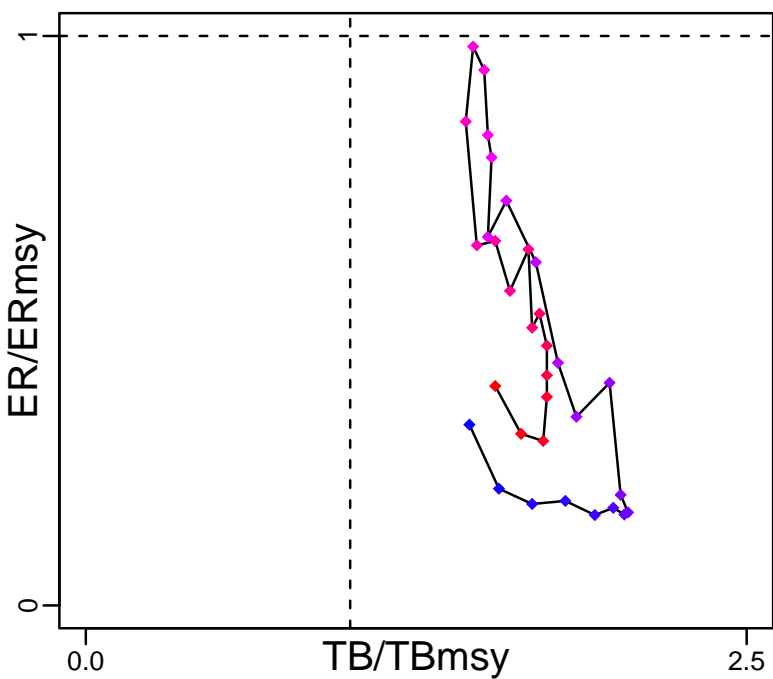
| Metadata | |
|-----------------------------|---|
| Scientific Name | Lophius americanus |
| Current Assess ID | NEFSC-MONKSGBMATL-1980-2018-SISIMP2021-2 |
| Area | Southern Georges Bank / Mid-Atlantic |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2010, 2009, 2018 |

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

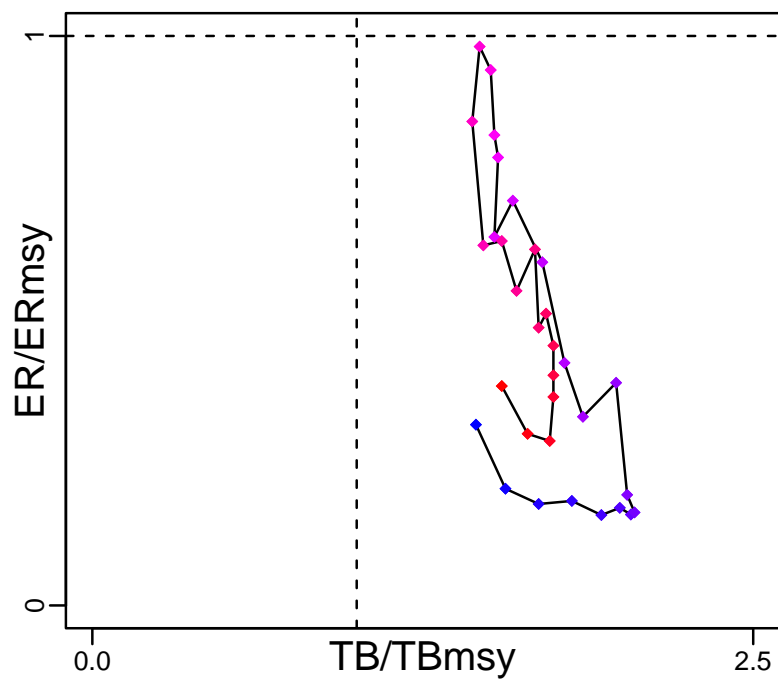
| Time Series | | | | | |
|-------------------|--------------------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2010 | 111,000 | - | - |
| SSB | - | - | - | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2010 | 23,300,000 | - | 1 |
| F | F-1/yr | 2010 | 0.11 | - | - |
| ER | ER-calc-ratio | 2010 | 0.077 | - | - |
| TC | TC-MT | 2018 | 9620 | | |
| TL | TL-MT | 2009 | 5300 | | |
| TB/TBmsy | TB-MT/TBmsy-MT | 2010 | 1.549 | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2010 | 0.297 | | |
| ER/ERmsy | ER-calc-ratio/ERmsy-calc-ratio | 2010 | 0.385 | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]

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



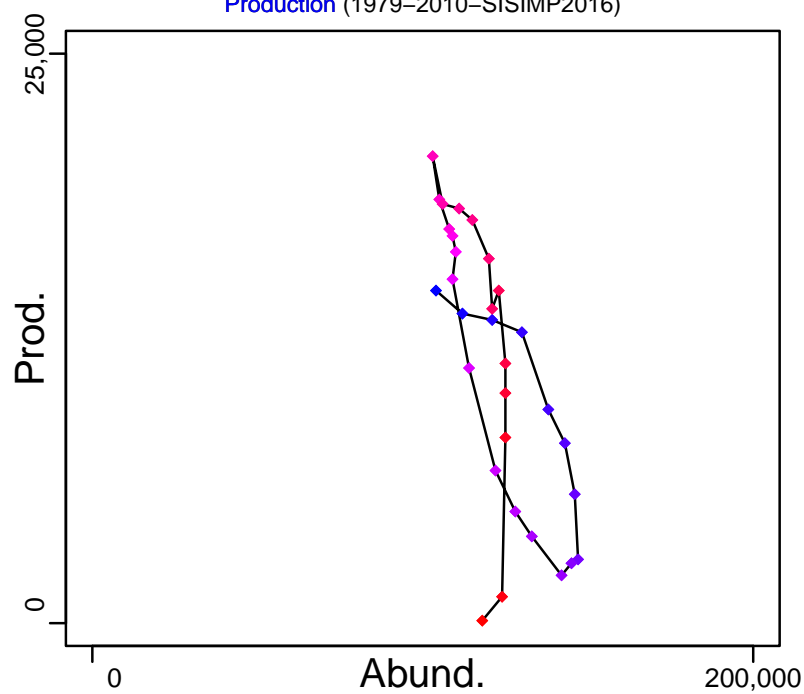
Kobe MGT_{pref} (1979–2010–SISIMP2016)



Spawner Recruit*



Production (1979–2010–SISIMP2016)

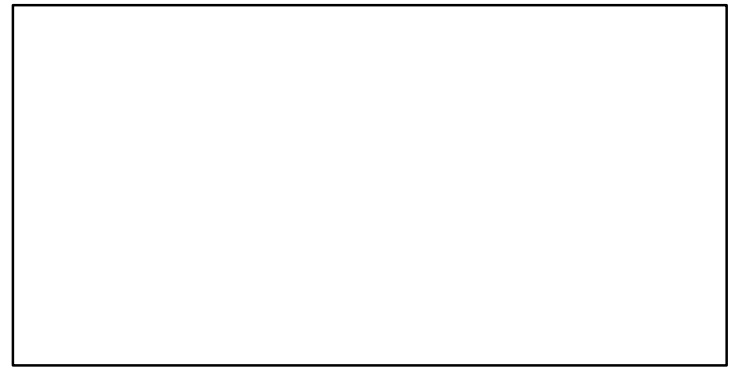
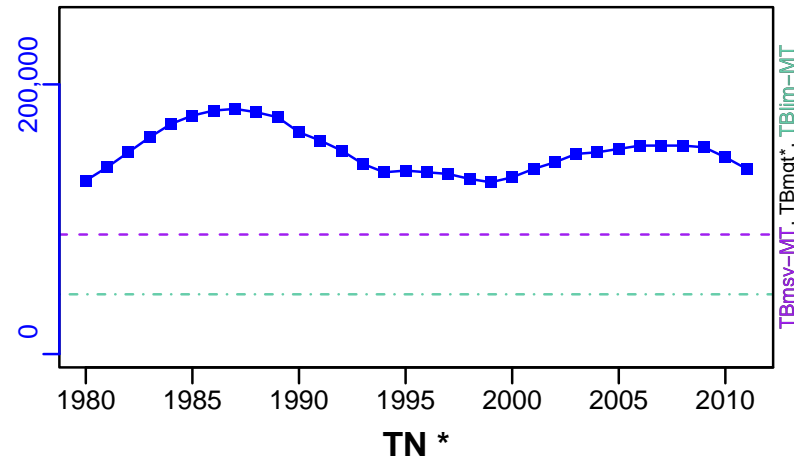


◆ Start Year ◆ End Year * No Data

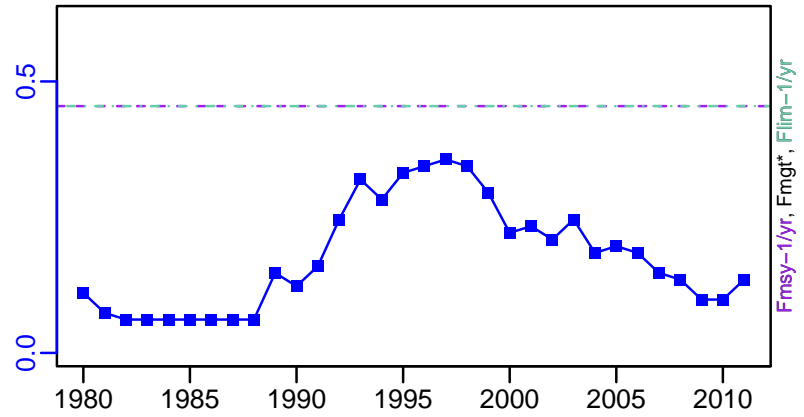
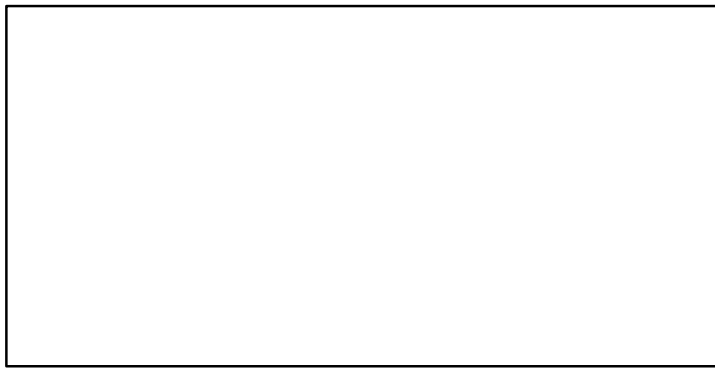
Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]

TB-MT (1979–2010–SISIMP2016)

SSB*

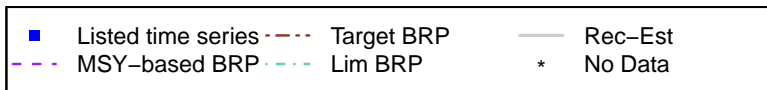
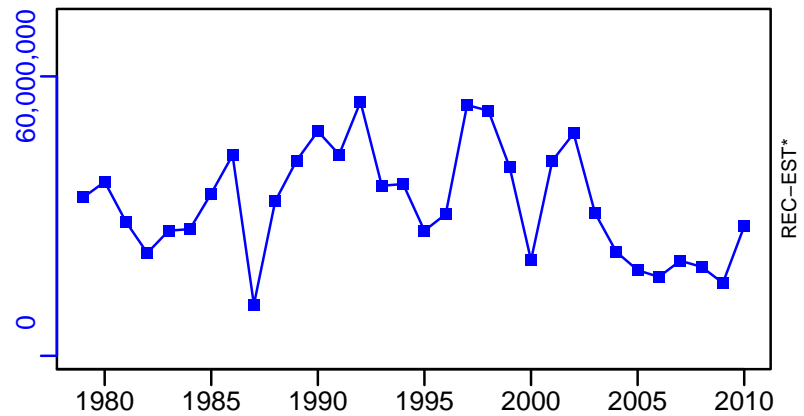
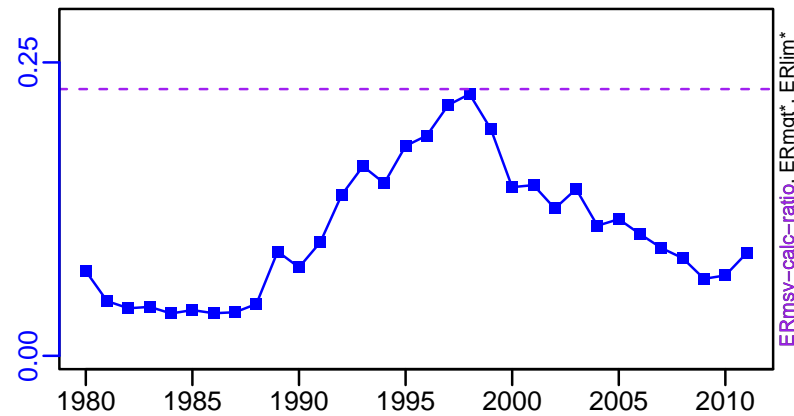


F-1/yr (1979–2010–SISIMP2016)



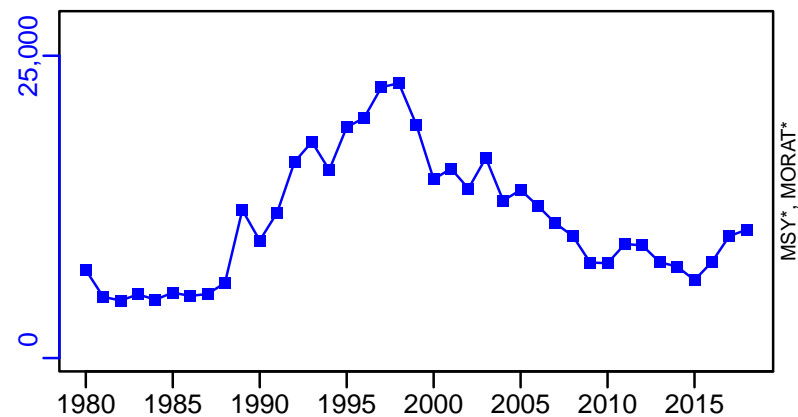
ER-calc-ratio (1979–2010–SISIMP2016)

R-E00 (1979–2010–SISIMP2016)



Monkfish Southern Georges Bank / Mid-Atlantic [MONKSGBMATL]

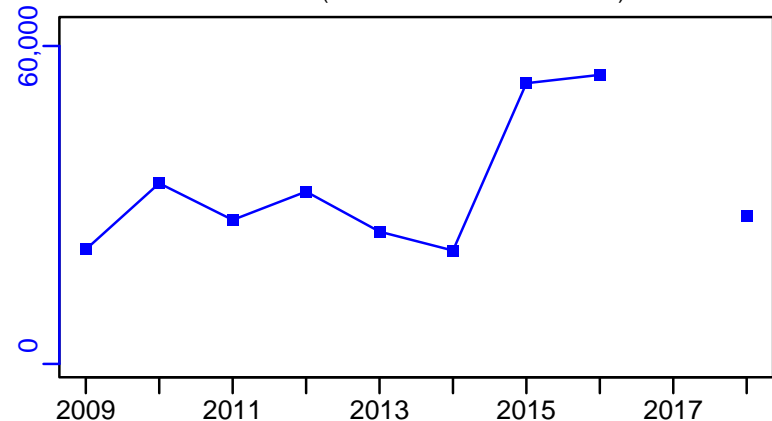
TC-MT, TL*, RecC* (1980-2018-SISIMP2021-2)



TAC*, Cpair*, Cadv*



survB-MT (1980-2018-SISIMP2021-2)



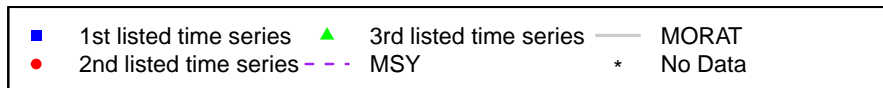
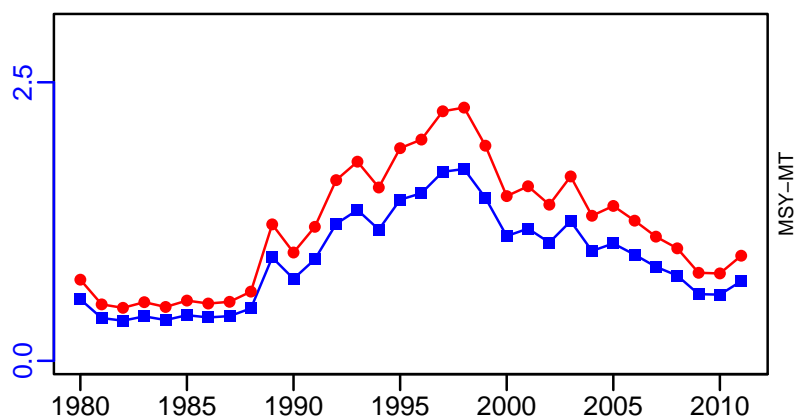
CPUE*



EFFORT*



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



Ocean pout Northwestern Atlantic Coast [OPOUTNWATLC]

| Metadata | |
|-----------------------------|---|
| Scientific Name | Zoarces americanus |
| Current Assess ID | NEFSC-OPOUTNWATLC-1968-2019-SISIMP2021-2 |
| Area | Northwestern Atlantic Coast |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2008, 2014, 2016, 2019 |

| Reference Points | | | |
|------------------|---------------|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | TBmsy-calc-MT | 2019 | 4934 |
| SSBmsy | - | - | - |
| Fmsy | Fmsy-1/yr | 2008 | 0.76 |
| ERmsy | ERmsy-ratio | 2019 | 0.76 |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2019 | 3750 |
| M | M-1/yr | 2008 | 0.2 |
| TBlim | - | - | - |
| SSBlim | - | - | - |
| Flim | - | - | - |
| ERlim | ERlim-ratio | 2019 | 0.76 |

| Time Series | | | | | |
|-------------------|----------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | - | - | - | - | - |
| TN | - | - | - | - | - |
| R | - | - | - | - | - |
| F | - | - | - | - | - |
| ER | ER-ratio | 2019 | 0.485 | - | - |
| TC | TC-MT | 2019 | 79 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | ER-ratio/ERmsy-ratio | 2019 | 0.638 | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Ocean pout Northwestern Atlantic Coast [OPOUTNWATLC]

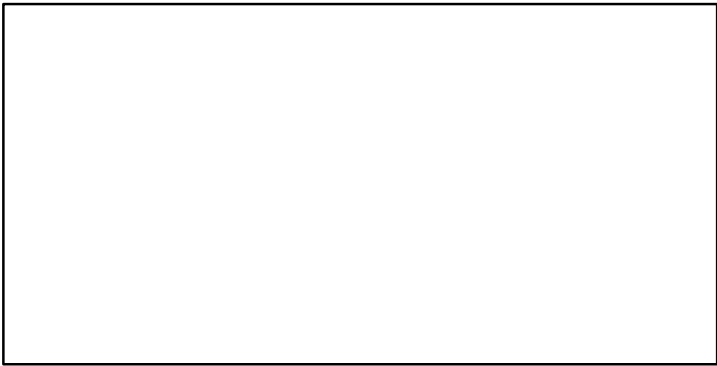
TB*



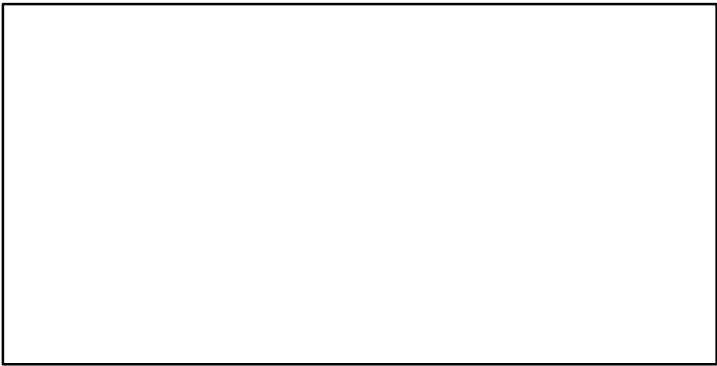
SSB*



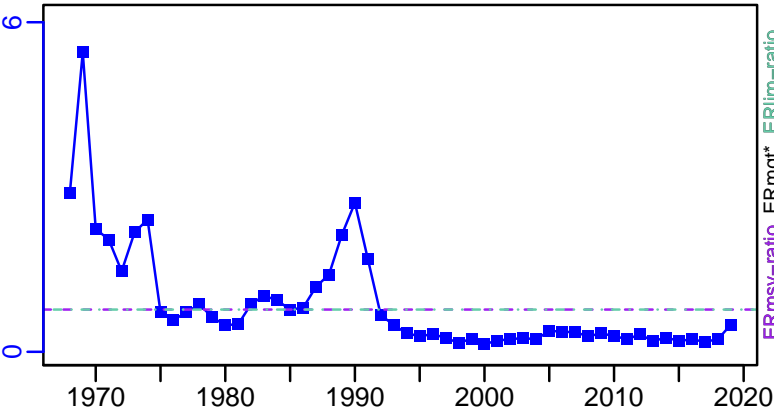
TN *



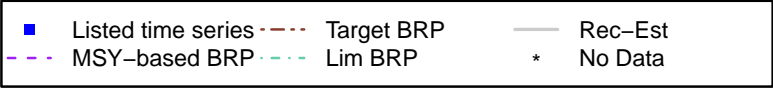
F*



ER-ratio (1968–2019–SISIMP2021–2)



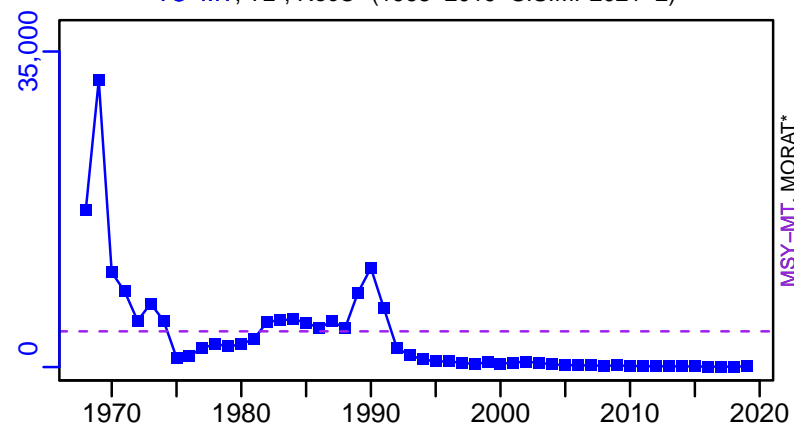
Recruits*



Ocean pout Northwestern Atlantic Coast [OPOUTNWATLC]

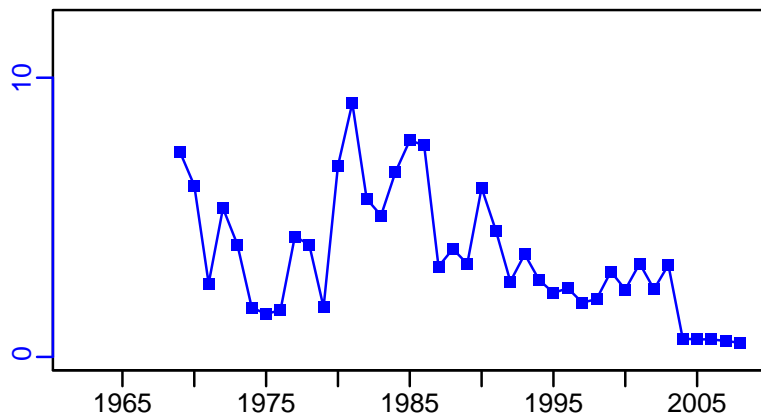
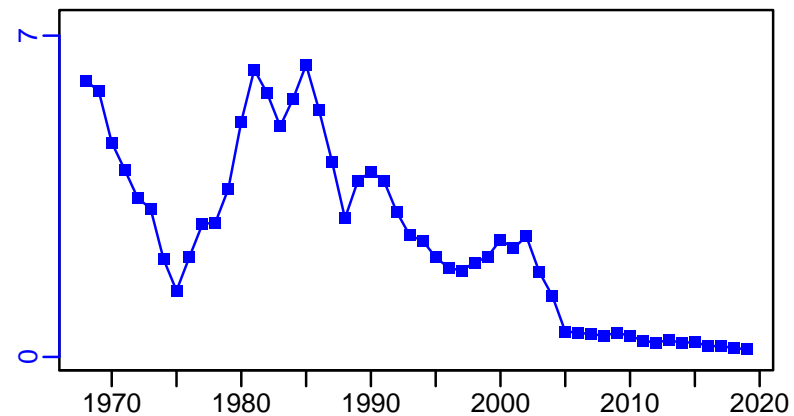
TC-MT, TL*, RecC* (1968-2019-SISIMP2021-2)

TAC*, Cpair*, Cadv*



survB-index (1968-2019-SISIMP2021-2)

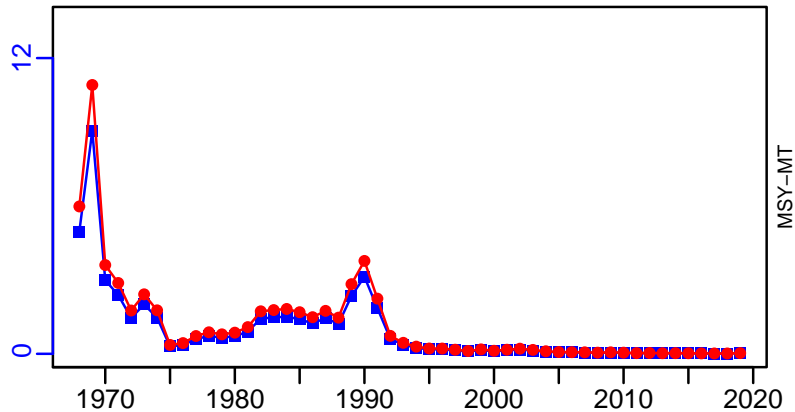
CPUE-kgpertow (1962-2008-WIGLEY)



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1968-2019-SISIMP2021-2)



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

Northern shrimp Gulf of Maine [PANDALGOM]

| Metadata | |
|-----------------------------|---|
| Scientific Name | Pandalus borealis |
| Current Assess ID | ASMFC-PANDALGOM-1984-2020-HIVELY |
| Area | Gulf of Maine |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Atlantic States Marine Fisheries Commission |
| Asmts in RAM | 2009, 2020 |

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

| Time Series | | | | | |
|-------------|---------------|-----------|-------------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2020 | 2728 | - | - |
| SSB | SSB-MT | 2020 | 707 | - | - |
| TN | TN-E00 | 2020 | 1.5×10^9 | - | - |
| R | R-E00 | 2020 | 1.2×10^9 | - | - |
| F | F-1/yr | 2020 | 0.002 | - | - |
| ER | ER-calc-ratio | 2020 | 0 | - | - |
| TC | - | - | - | | |
| TL | TL-MT | 2020 | 0 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Northern shrimp Gulf of Maine [PANDALGOM]

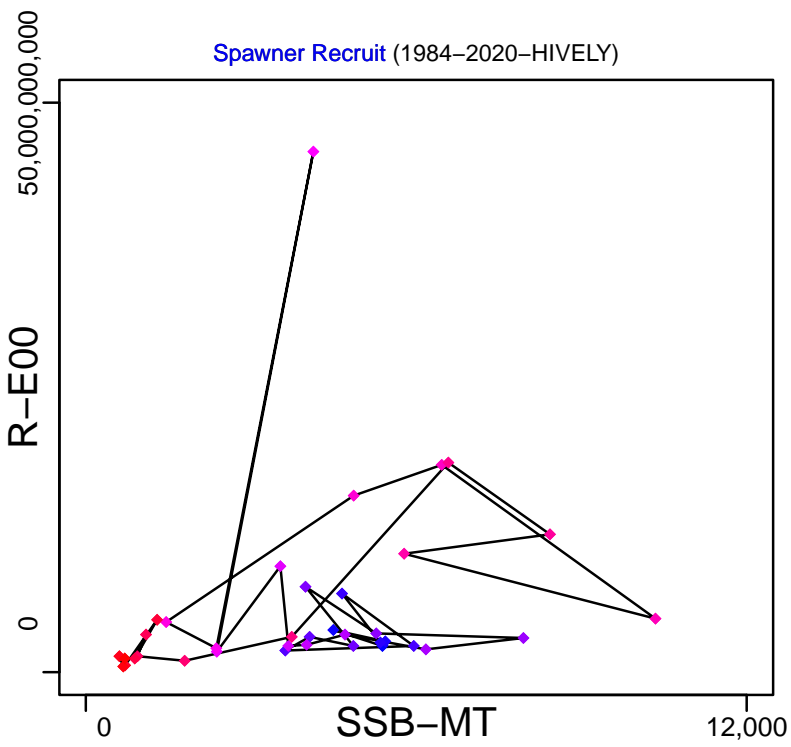
Kobe MSY*



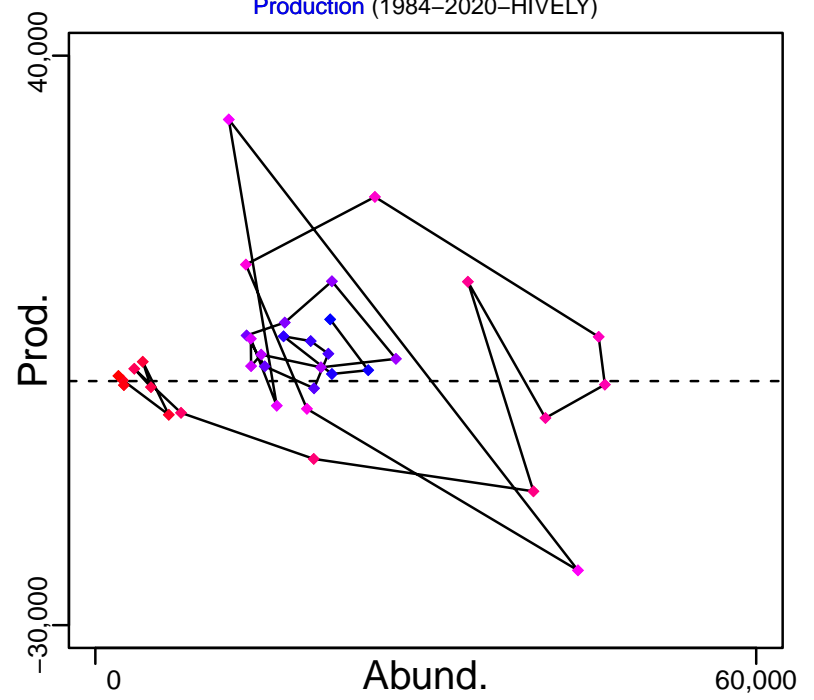
Kobe MGT*



Spawner Recruit (1984–2020–HIVELY)



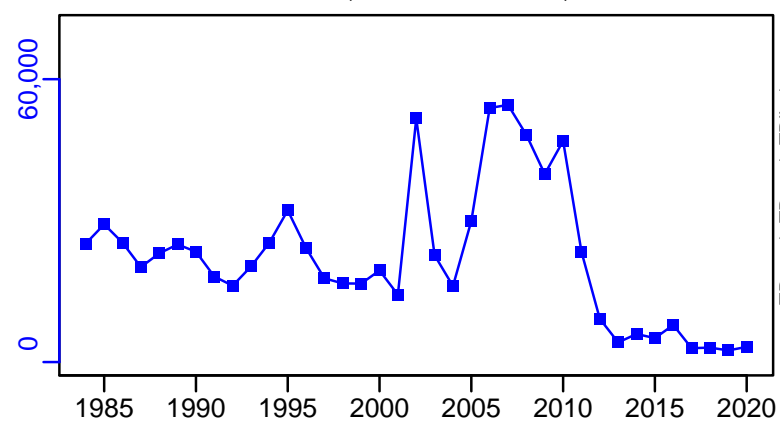
Production (1984–2020–HIVELY)



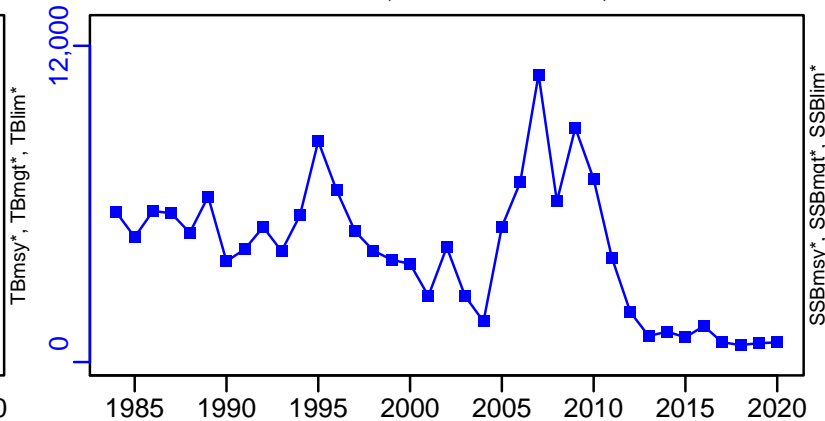
◆ Start Year ◆ End Year * No Data

Northern shrimp Gulf of Maine [PANDALGOM]

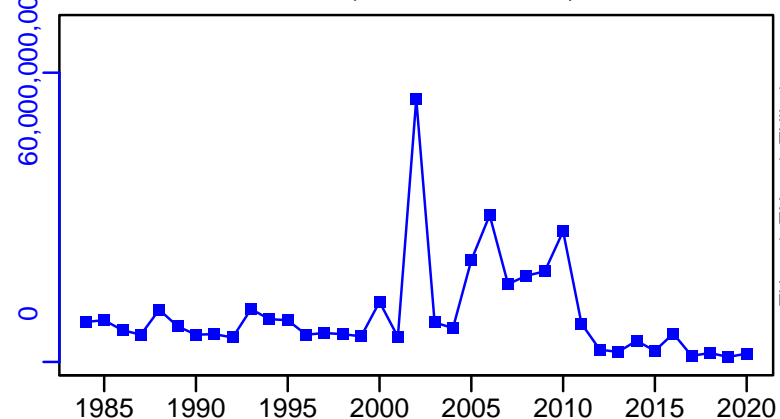
TB-MT (1984–2020–HIVELY)



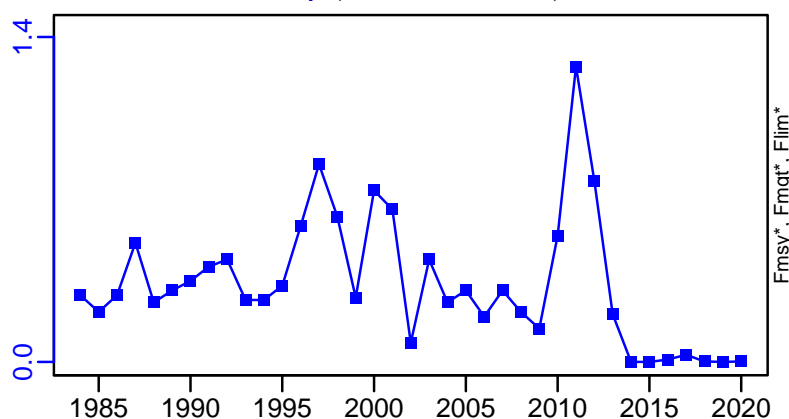
SSB-MT (1984–2020–HIVELY)



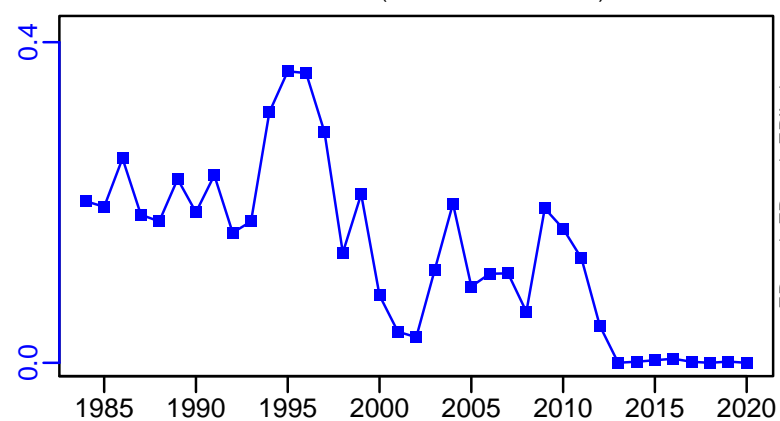
TN-E00 (1984–2020–HIVELY)



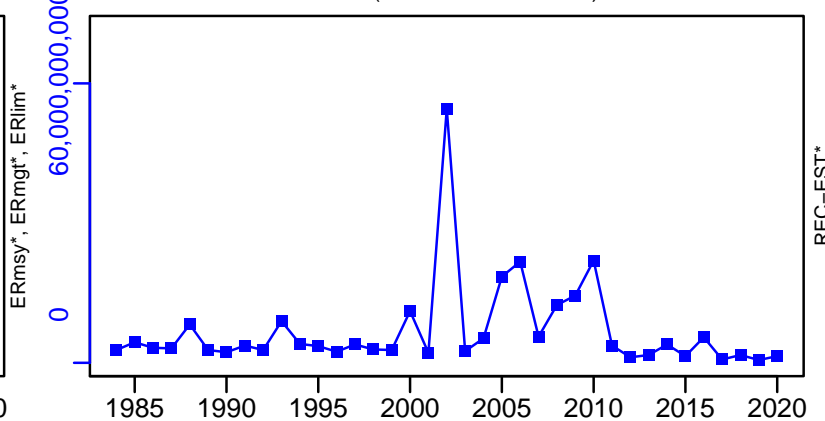
F-1/yr (1984–2020–HIVELY)



ER-calc-ratio (1984–2020–HIVELY)



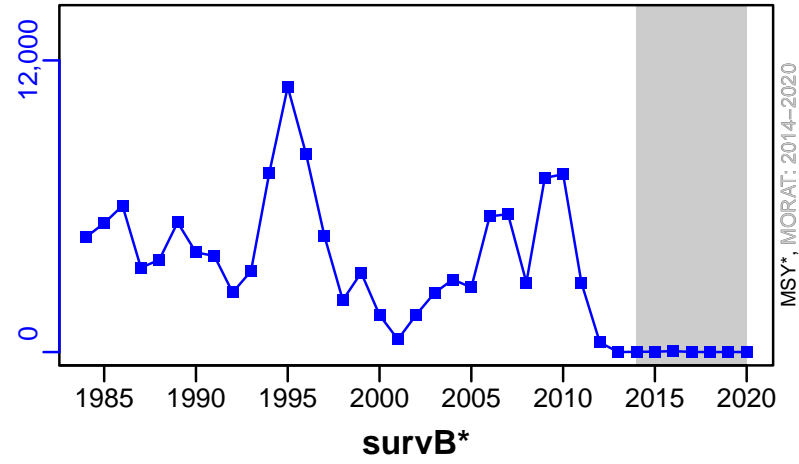
R-E00 (1984–2020–HIVELY)



Northern shrimp Gulf of Maine [PANDALGOM]

TL-MT, TC*, RecC* (1984–2020–HIVELY)

TAC*, Cpair*, Cadv*



CPUE*

EFFORT*

CdivMSY*

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

Pollock Gulf of Maine / Georges Bank [POLL5YZ]

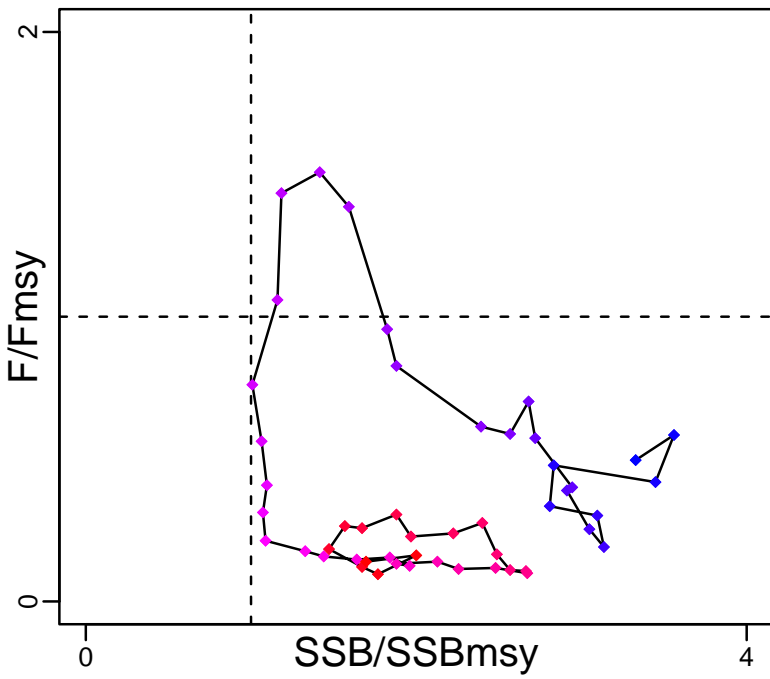
| Metadata | |
|-----------------------------|---|
| Scientific Name | Pollachius virens |
| Current Assess ID | NEFSC-POLL5YZ-1960-2018-SISIMP2021-2 |
| Area | Gulf of Maine / Georges Bank |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2009, 2018, 2016, 2014 |

| Reference Points | | | |
|------------------|-----------|-----------|---------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2018 | 125,000 |
| Fmsy | Fmsy-1/yr | 2018 | 0.272 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2014 | 19,678 |
| M | - | - | - |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2018 | 62,300 |
| Flim | Flim-1/yr | 2018 | 0.272 |
| ERlim | - | - | - |

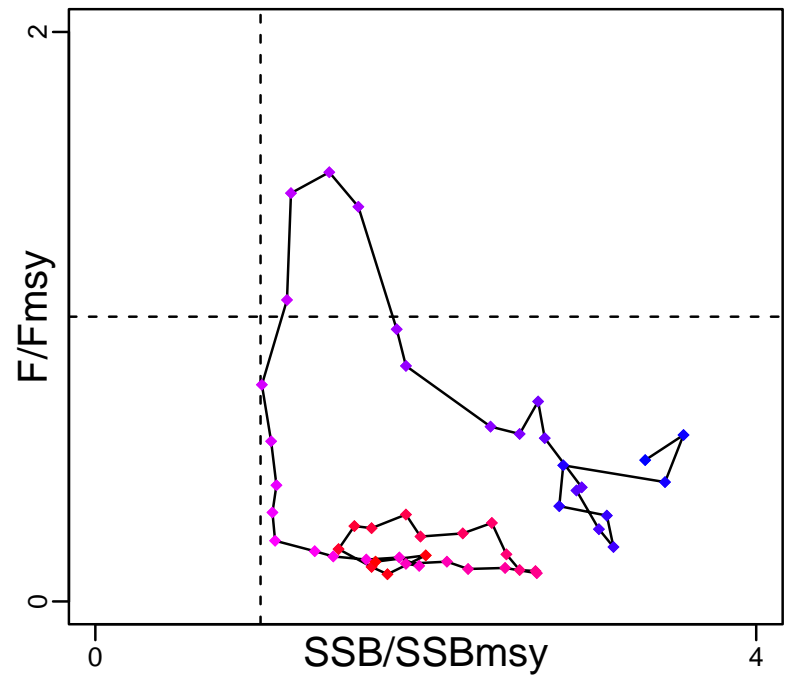
| Time Series | | | | | |
|-------------------|------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2009 | 210,000 | - | - |
| SSB | SSB-MT | 2018 | 212,000 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2018 | 24,200,000 | - | 1 |
| F | F-1/yr | 2018 | 0.038 | - | - |
| ER | ER-calc-ratio | 2009 | 0.042 | - | - |
| TC | TC-MT | 2018 | 4780 | | |
| TL | TL-MT | 2009 | 7950 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2018 | 1.696 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2018 | 0.14 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Pollock Gulf of Maine / Georges Bank [POLL5YZ]

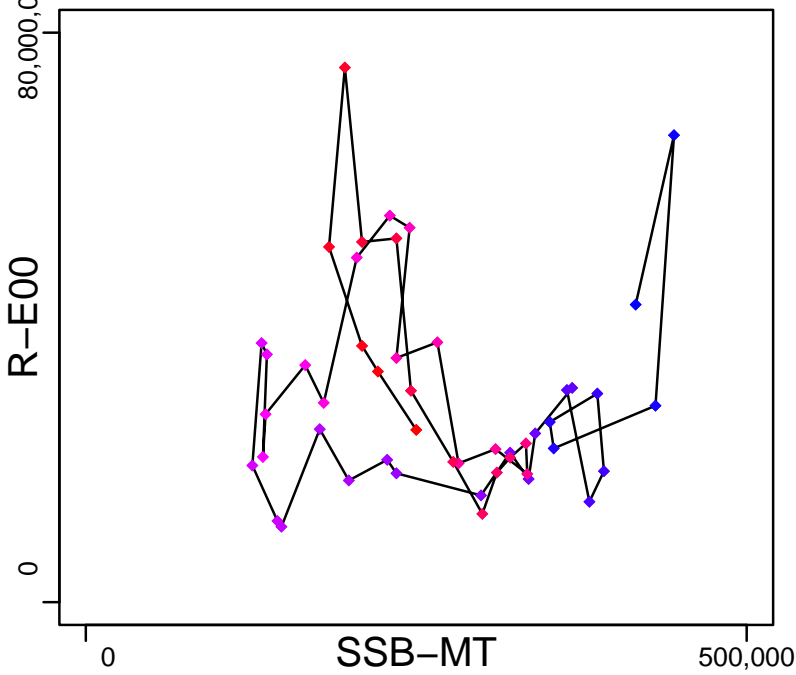
Kobe MSYpref (1960–2018–SISIMP2021–2)



Kobe MGTpref (1960–2018–SISIMP2021–2)

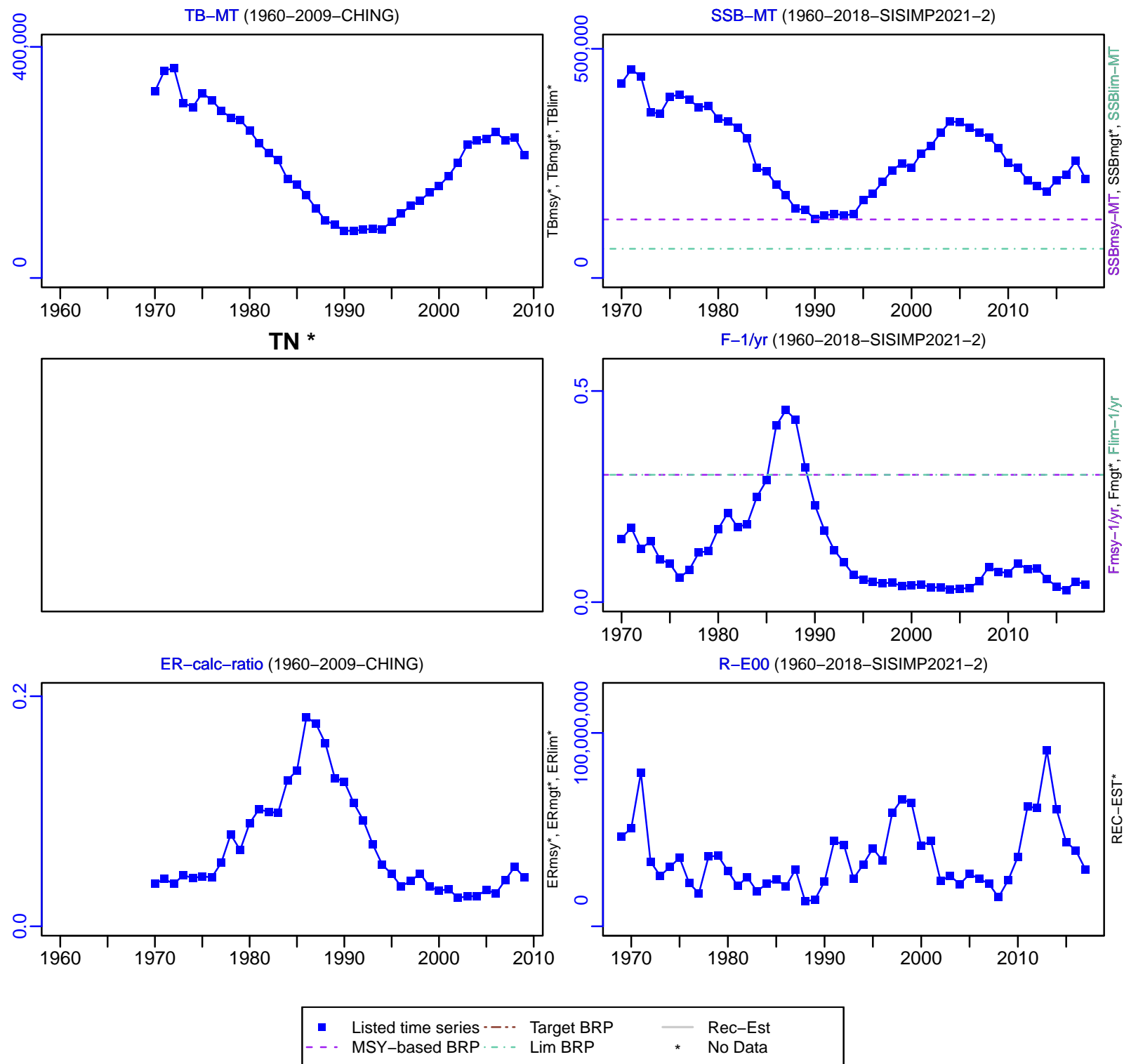


Spawner Recruit (1960–2018–SISIMP2021–2)



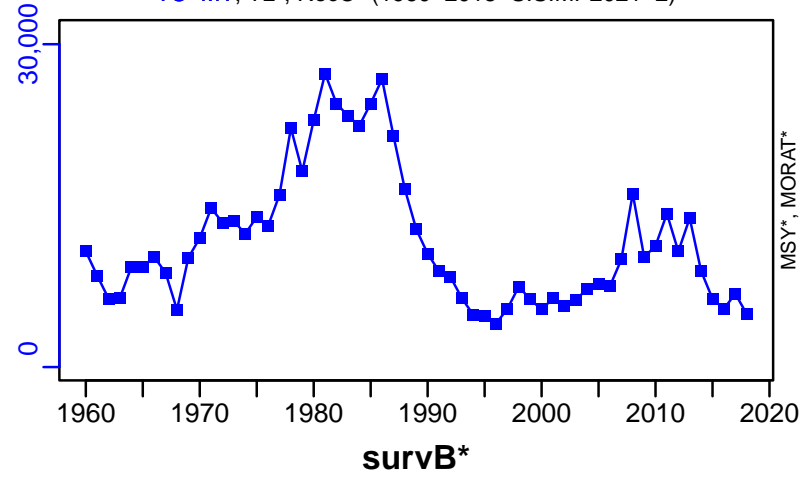
◆ Start Year ◆ End Year * No Data

Pollock Gulf of Maine / Georges Bank [POLL5YZ]



Pollock Gulf of Maine / Georges Bank [POLL5YZ]

TC-MT, TL*, RecC* (1960–2018–SISIMP2021–2)



TAC*, Cpair*, Cadv*



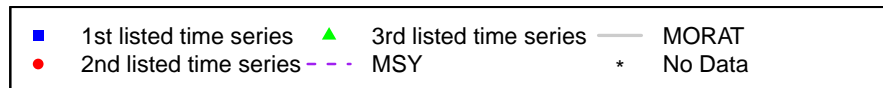
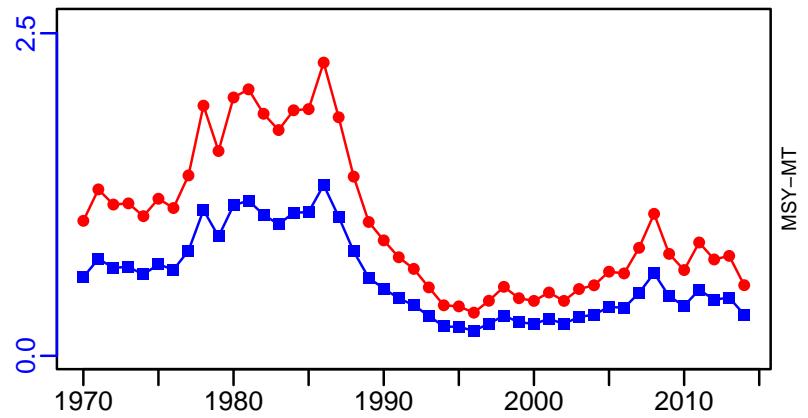
CPUE*



EFFORT*



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



Ocean quahog Atlantic Coast [QUAHATLC]

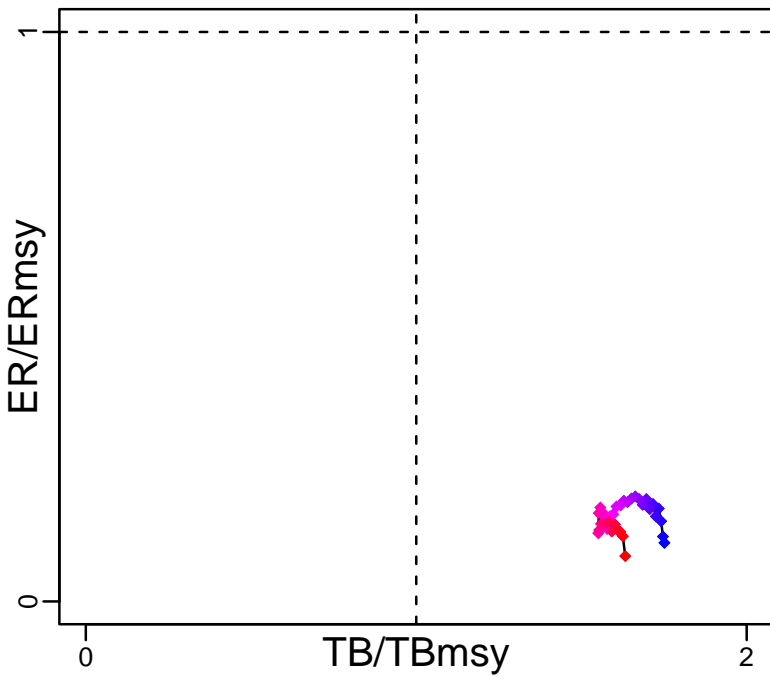
| Metadata | |
|-----------------------------|---|
| Scientific Name | Arctica islandica |
| Current Assess ID | NEFSC-QUAHATLC-1980-2016-SISIMP2021 |
| Area | Atlantic Coast |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2008, 2011, 2016 |

| Reference Points | | | |
|------------------|------------------|-----------|-----------|
| Type | ID | Asmt Year | Value |
| TBmsy | TBmsy-MT | 2016 | 2,013,585 |
| SSBmsy | - | - | - |
| Fmsy | Fmsy-1/yr | 2016 | 0.019 |
| ERmsy | ERmsy-calc-ratio | 2016 | 0.036 |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2016 | 73,298 |
| M | M-1/yr | 2008 | 0.02 |
| TBlim | TBlim-MT | 2016 | 1,610,868 |
| SSBlim | - | - | - |
| Flim | Flim-1/yr | 2016 | 0.019 |
| ERlim | - | - | - |

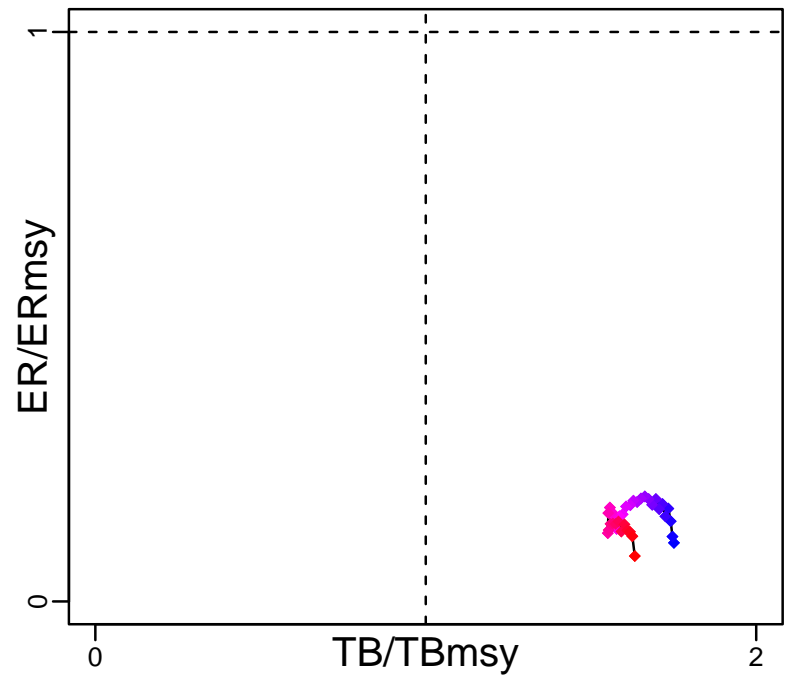
| Time Series | | | | | |
|-------------------|--------------------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2016 | 3,287,300 | - | - |
| SSB | - | - | - | - | - |
| TN | - | - | - | - | - |
| R | - | - | - | - | - |
| F | F-1/yr | 2016 | 0.005 | - | - |
| ER | ER-calc-ratio | 2016 | 0.003 | - | - |
| TC | TC-MT | 2016 | 9542 | | |
| TL | TL-MT | 2008 | 15,500 | | |
| TB/TBmsy | TB-MT/TBmsy-MT | 2016 | 1.633 | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2016 | 0.263 | | |
| ER/ERmsy | ER-calc-ratio/ERmsy-calc-ratio | 2016 | 0.08 | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Ocean quahog Atlantic Coast [QUAHATLC]

Kobe MSY_{pref} (1980–2016–SISIMP2021)



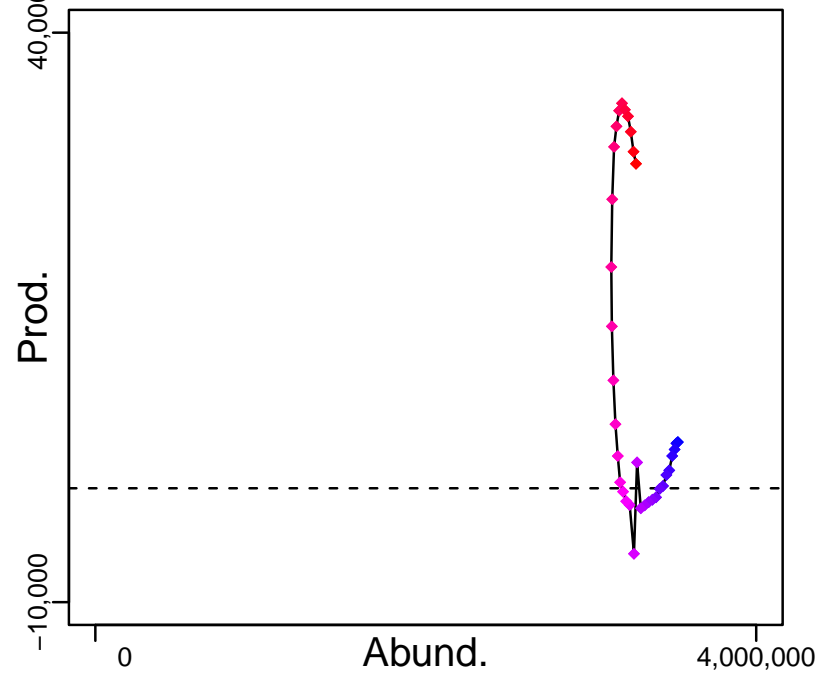
Kobe MGT_{pref} (1980–2016–SISIMP2021)



Spawner Recruit*



Production (1980–2016–SISIMP2021)

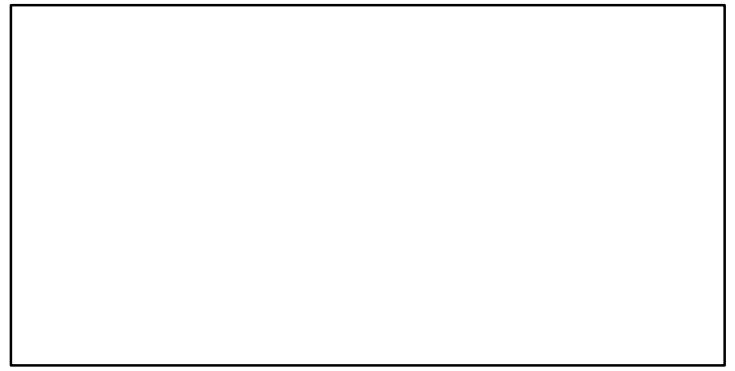
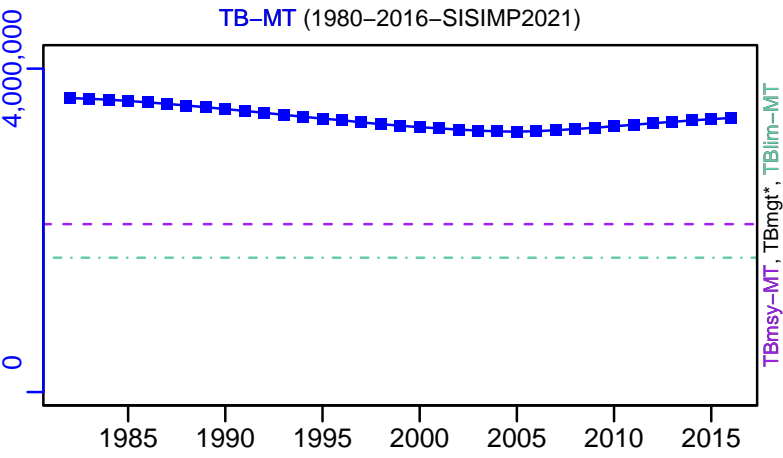


◆ Start Year ◆ End Year * No Data

Ocean quahog Atlantic Coast [QUAHATLC]

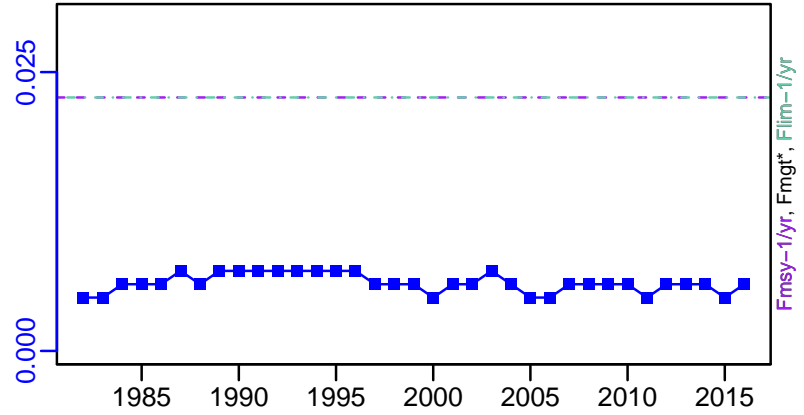
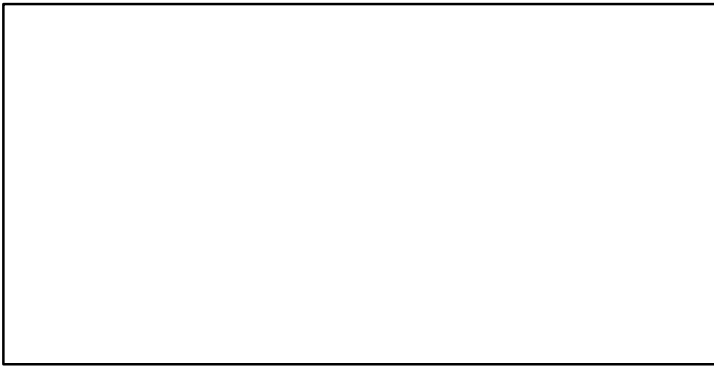
TB-MT (1980-2016-SISIMP2021)

SSB*



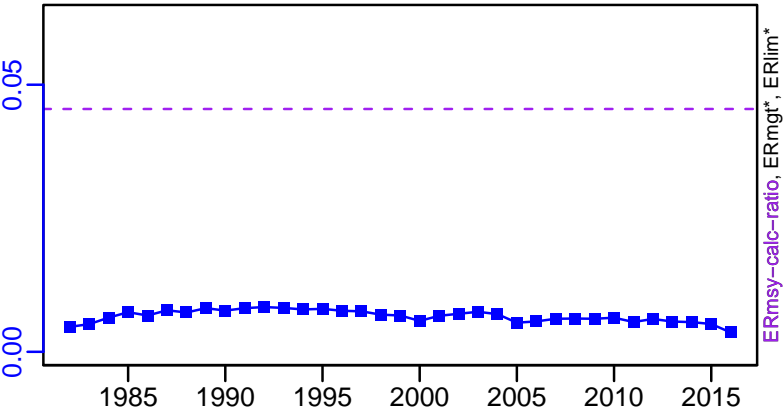
TN *

F-1/yr (1980-2016-SISIMP2021)



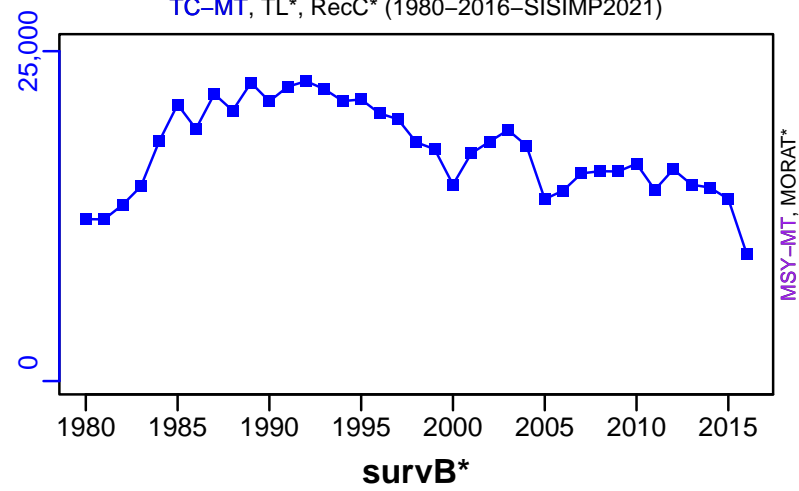
ER-calc-ratio (1980-2016-SISIMP2021)

Recruits*



Ocean quahog Atlantic Coast [QUAHATLC]

TC-MT, TL*, RecC* (1980-2016-SISIMP2021)



TAC*, Cpair*, Cadv*



survB*



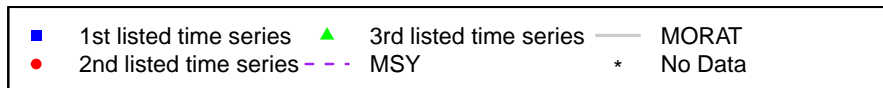
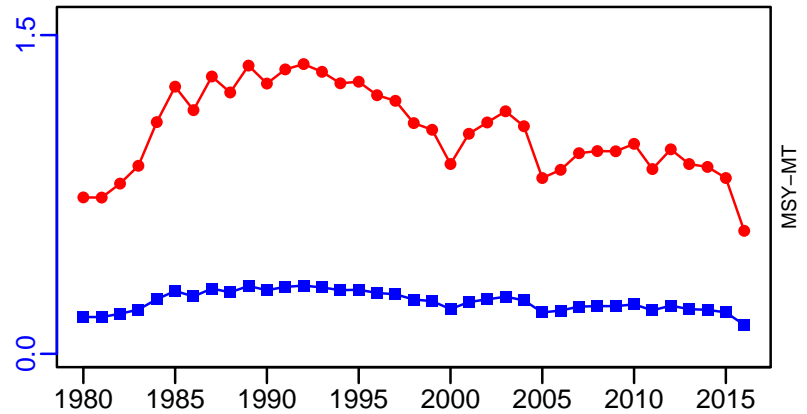
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1980-2016-SISIMP2021)



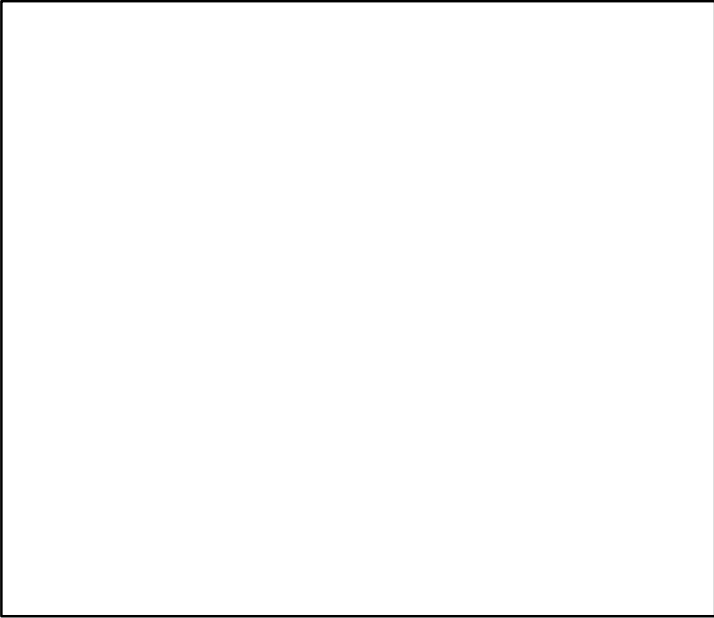
Red deepsea crab Northwestern Atlantic [RDEEPCRABNWATL]

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

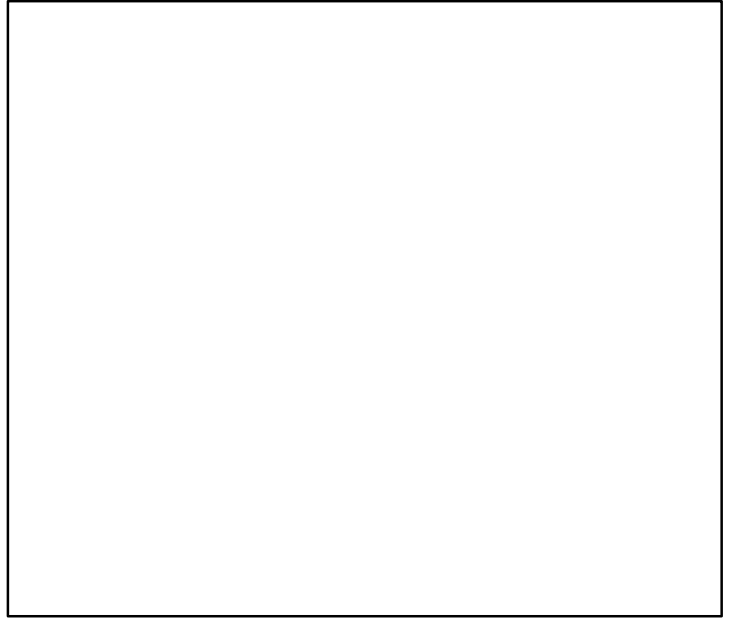
| Reference Points | | | |
|------------------|----|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | - | - | - |
| Fmsy | - | - | - |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | -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

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

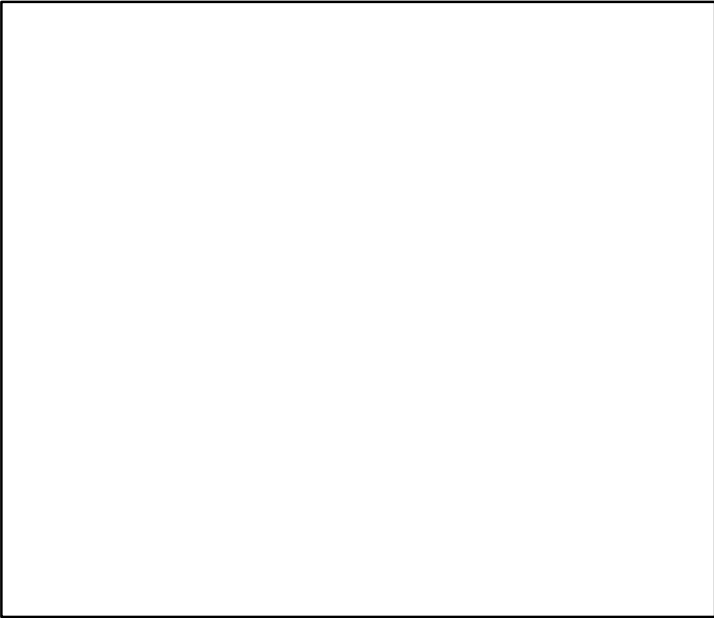
Kobe MSY*



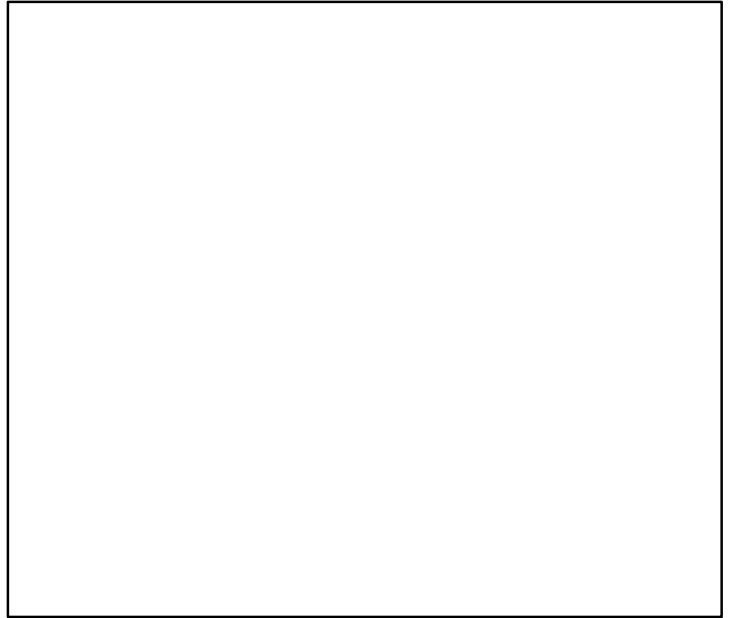
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Red deepsea crab Northwestern Atlantic [RDEEPCRABNWATL]

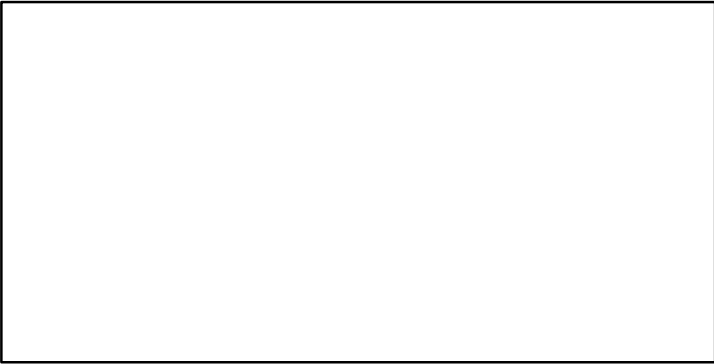
TB*



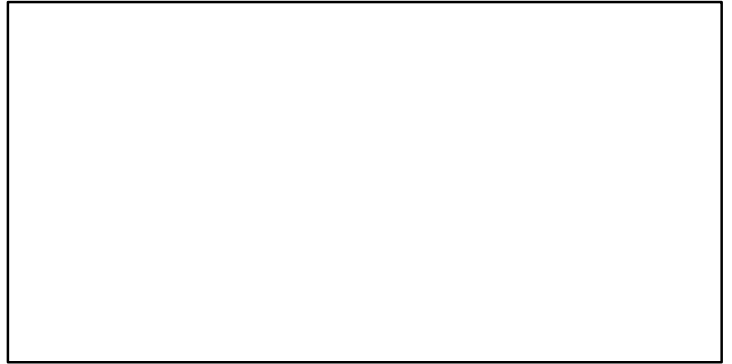
SSB*



TN *



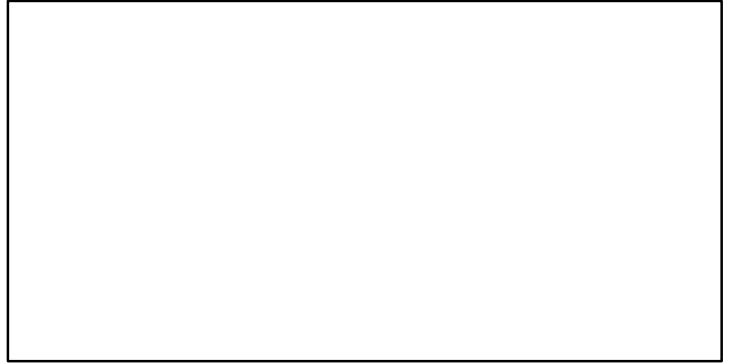
F*



ER*



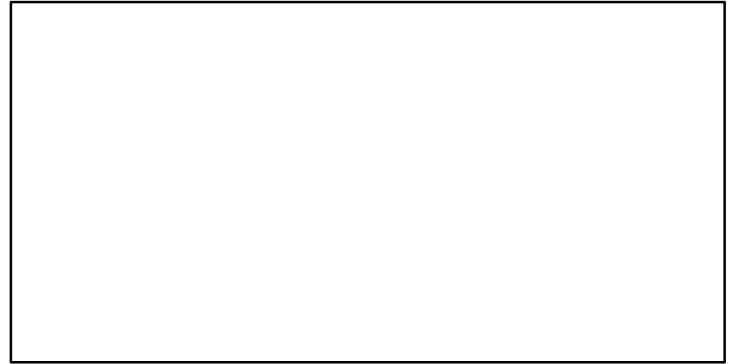
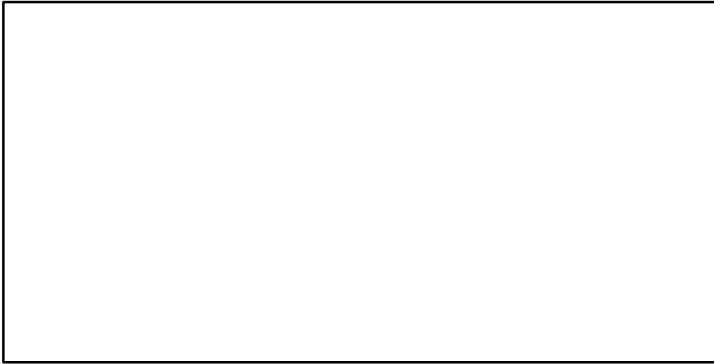
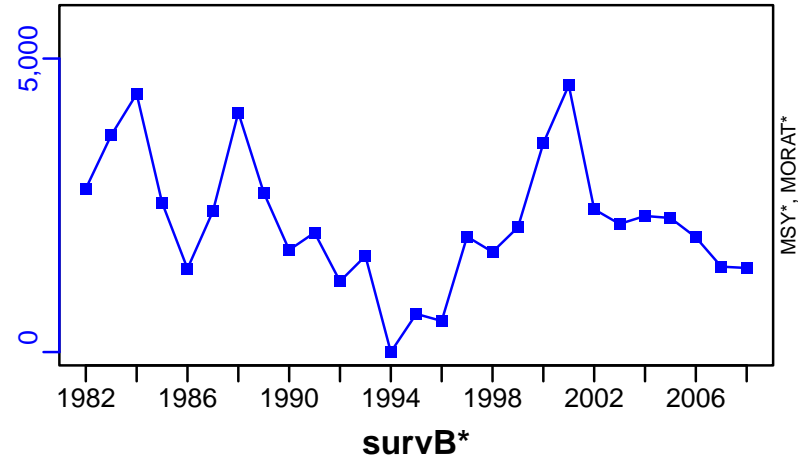
Recruits*



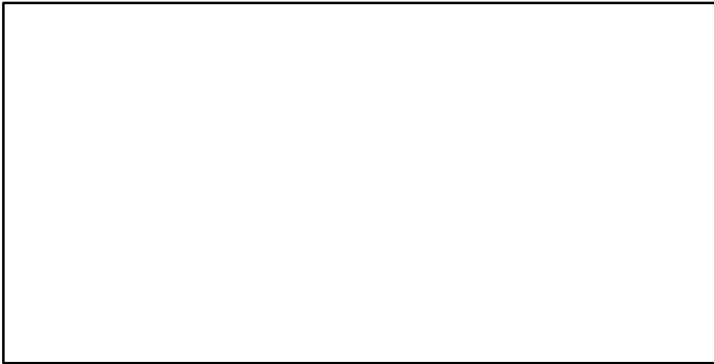
Red deepsea crab Northwestern Atlantic [RDEEPCRABNWATL]

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

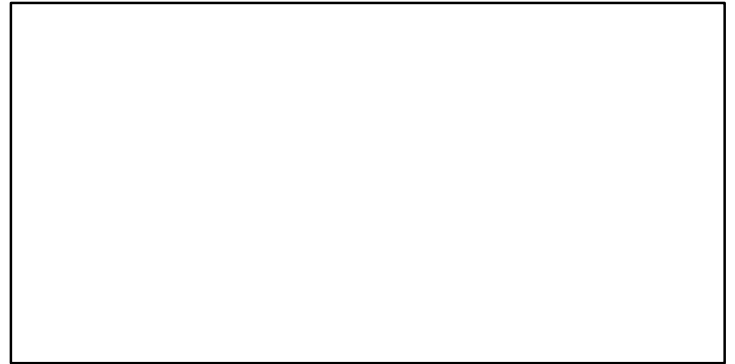
TAC*, Cpair*, Cadv*



EFFORT*



CdivMSY*



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

| Metadata | |
|-----------------------------|---|
| Scientific Name | Urophycis chuss |
| Current Assess ID | NEFSC-RHAKEGOMNGB-1981-2019-SISIMP2021-2 |
| Area | Gulf of Maine / Northern Georges Bank |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2016, 2014, 2019 |

| 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 | ER-ratio | 2019 | 0.12 | - | - |
| TC | TC-MT | 2019 | 236 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Kobe MSY*



Kobe MGT*



Spawner Recruit*



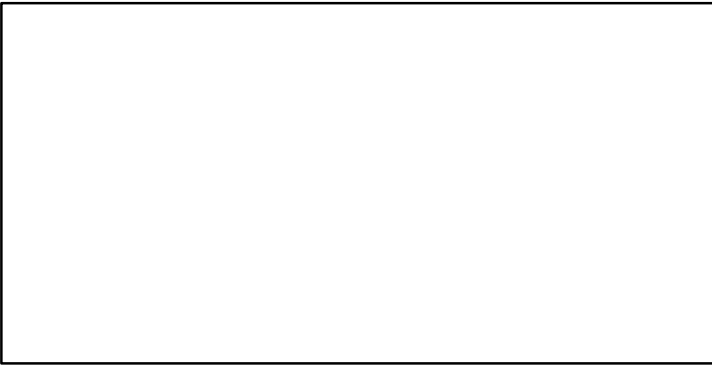
Production*



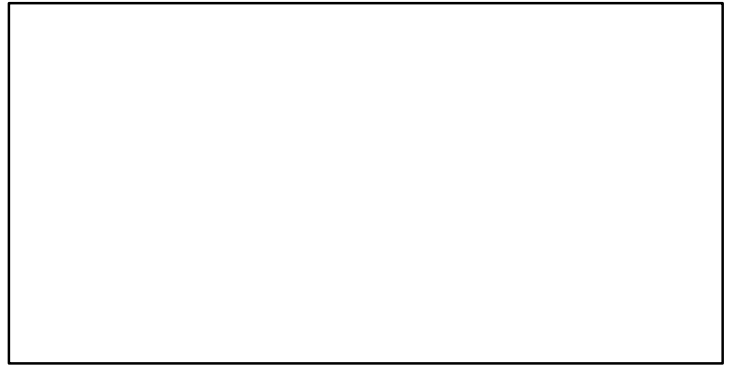
◆ Start Year ◆ End Year * No Data

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

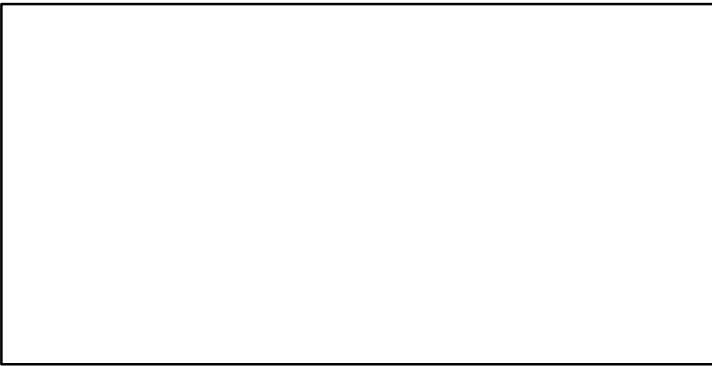
TB*



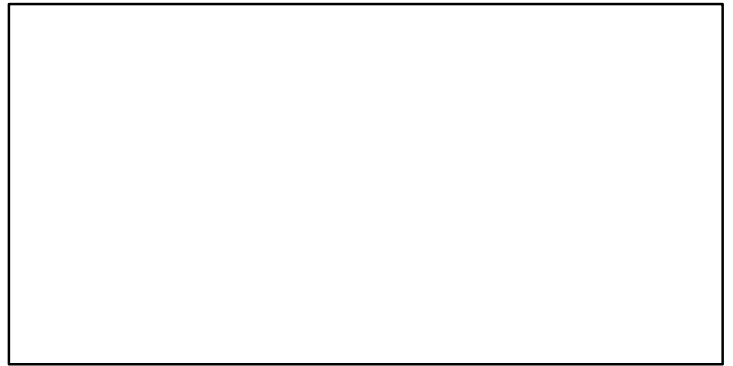
SSB*



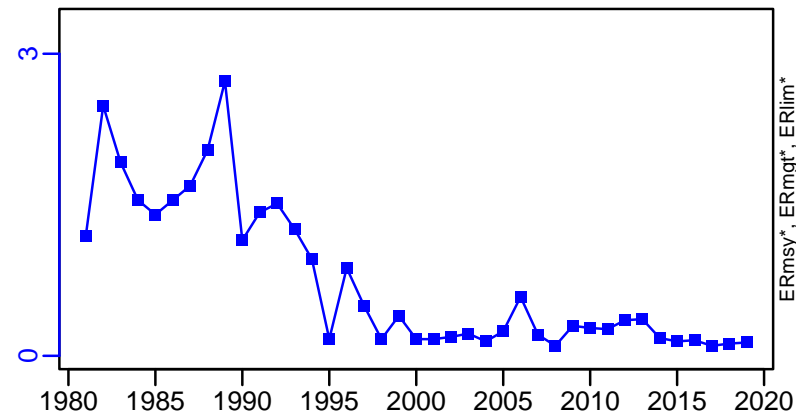
TN *



F*



ER-ratio (1981–2019–SISIMP2021–2)

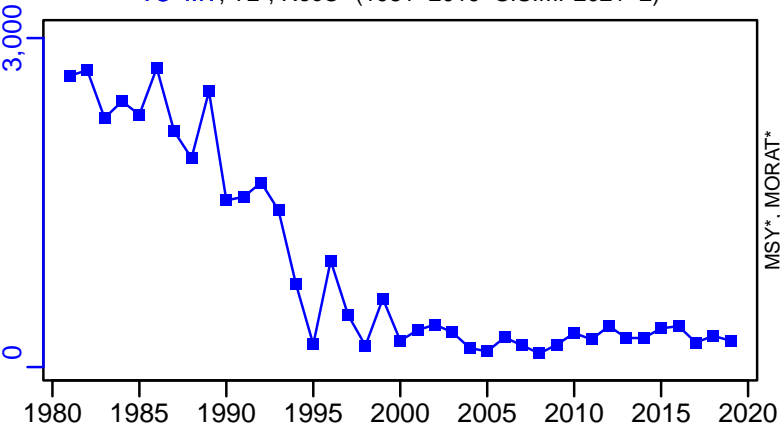


Recruits*



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

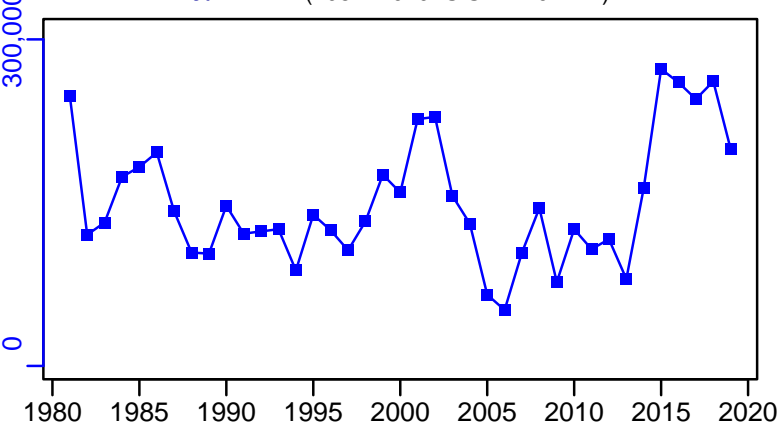
TC-MT, TL*, RecC* (1981-2019-SISIMP2021-2)



TAC*, Cpair*, Cadv*



survB-MT (1981-2019-SISIMP2021-2)



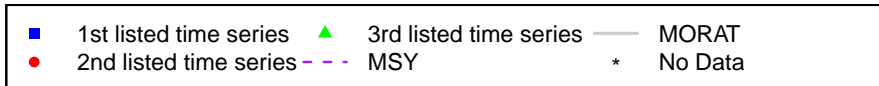
CPUE*



EFFORT*



CdivMSY*



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

| Metadata | |
|-----------------------------|---|
| Scientific Name | Urophycis chuss |
| Current Assess ID | NEFSC-RHAKESGBMATL-1981-2019-SISIMP2021-2 |
| Area | Southern Georges Bank / Mid-Atlantic |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2016, 2014, 2019 |

| 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 | ER-ratio | 2019 | 2.53 | - | - |
| TC | TC-MT | 2019 | 1890 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



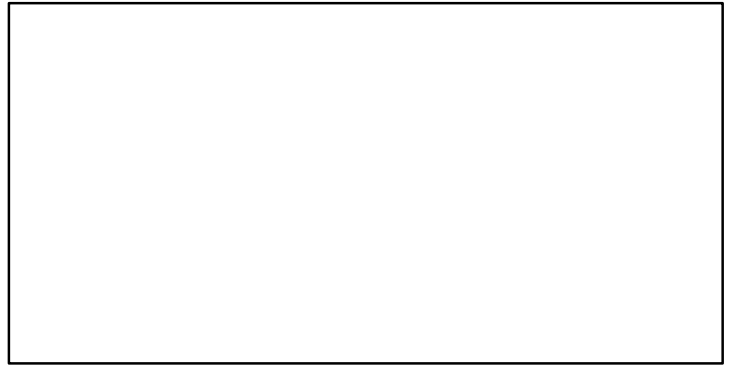
◆ Start Year ◆ End Year * No Data

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

TB*



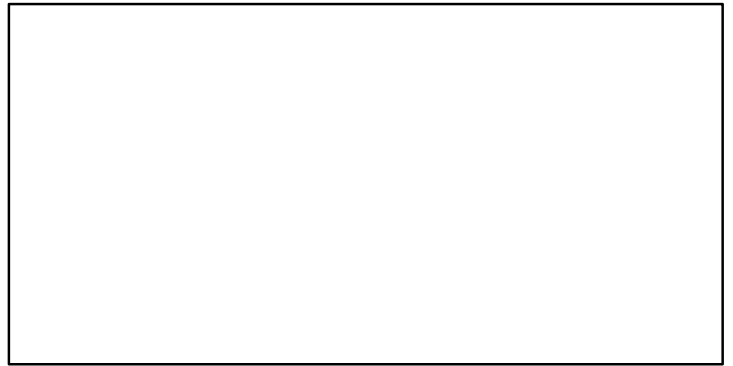
SSB*



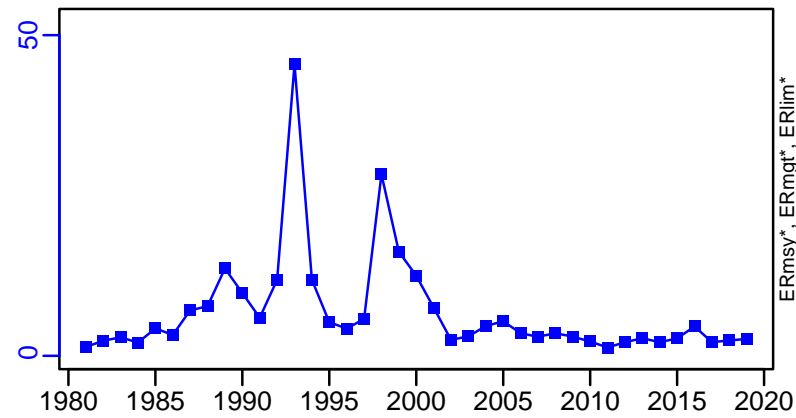
TN *



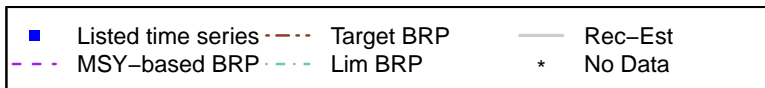
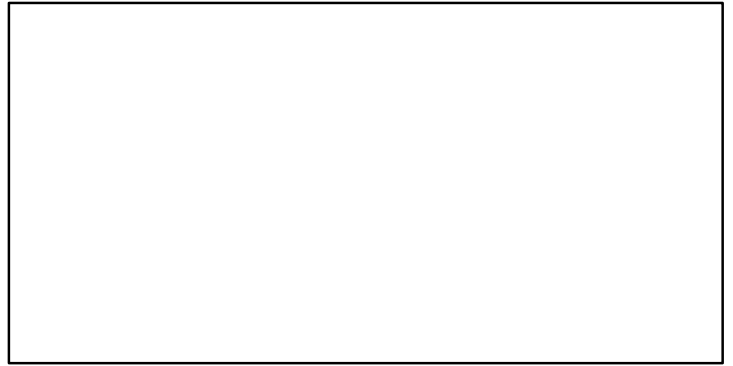
F*



ER-ratio (1981–2019–SISIMP2021–2)

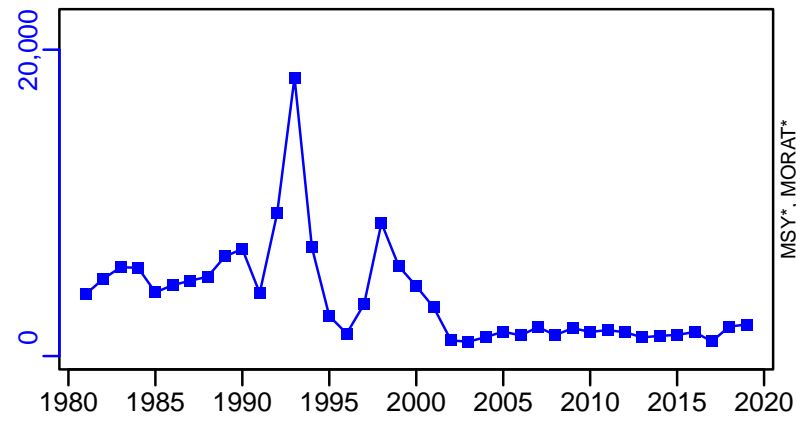


Recruits*



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

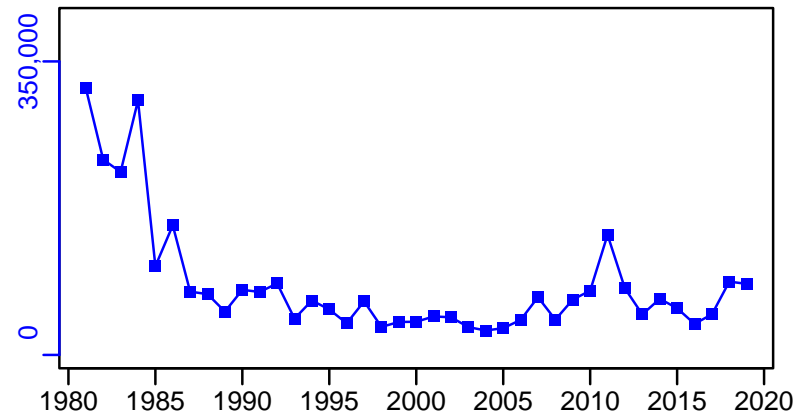
TC-MT, TL*, RecC* (1981-2019-SISIMP2021-2)



TAC*, Cpair*, Cadv*



survB-MT (1981-2019-SISIMP2021-2)



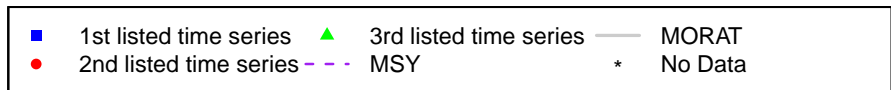
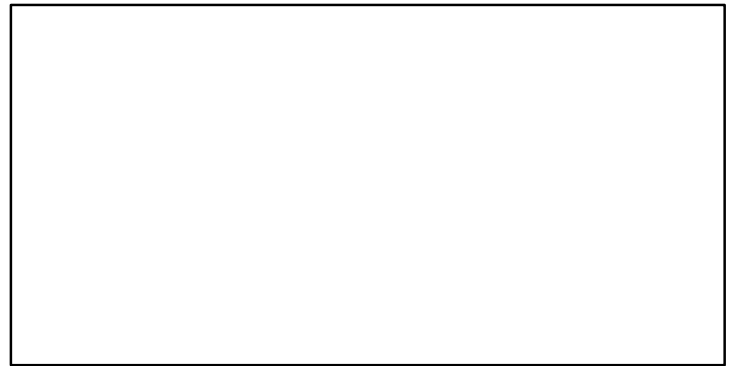
CPUE*



EFFORT*



CdivMSY*



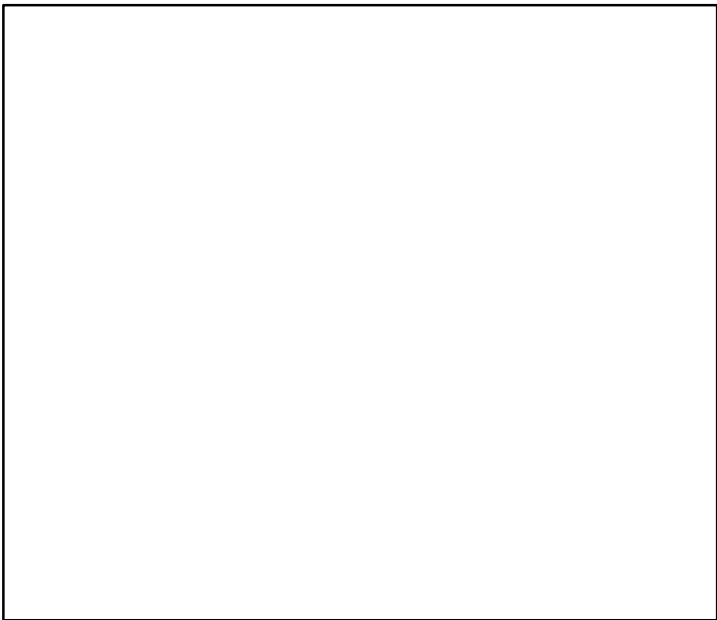
Rosette skate Mid-Atlantic Coast [RSKATMATLC]

| Metadata | |
|-----------------------------|---|
| Scientific Name | Leucoraja garmani |
| Current Assess ID | NEFSC-RSKATMATLC-1968-2019-SISIMP2021-2 |
| Area | Mid-Atlantic Coast |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2005, 2018, 2019 |

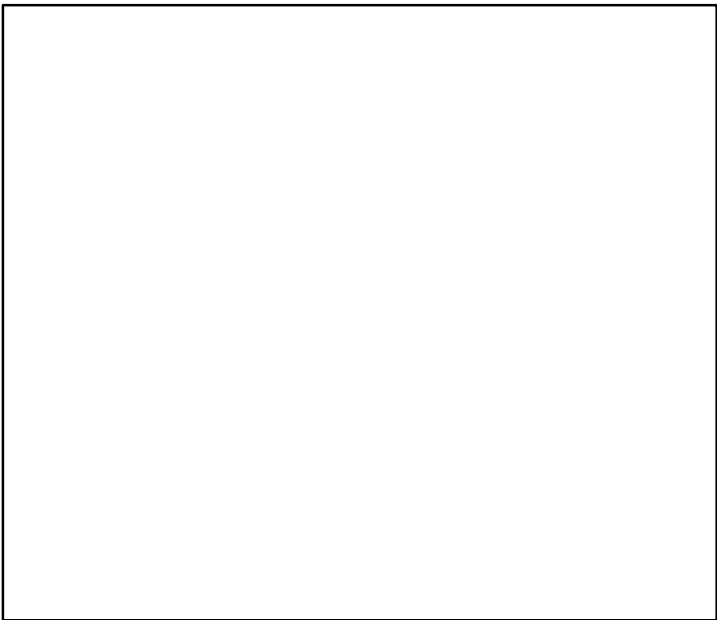
| Reference Points | | | |
|------------------|----|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | - | - | - |
| Fmsy | - | - | - |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| 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 | 2019 | 48 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

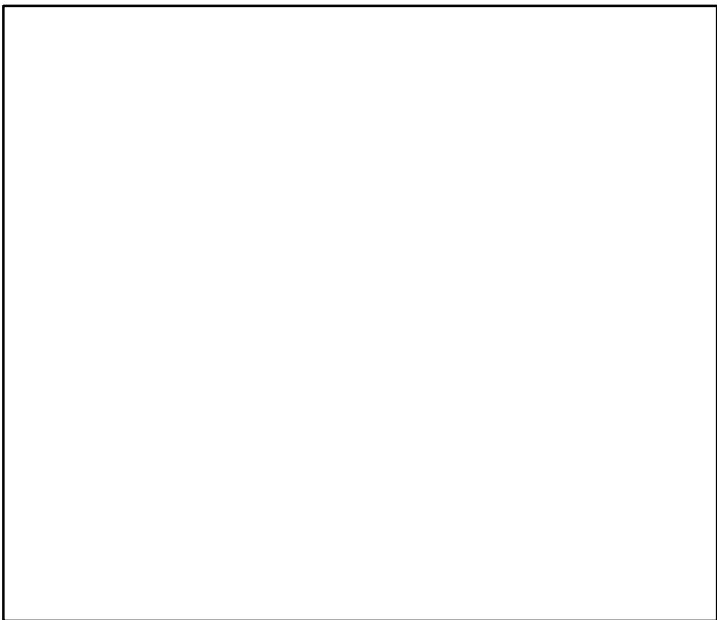
Kobe MSY*



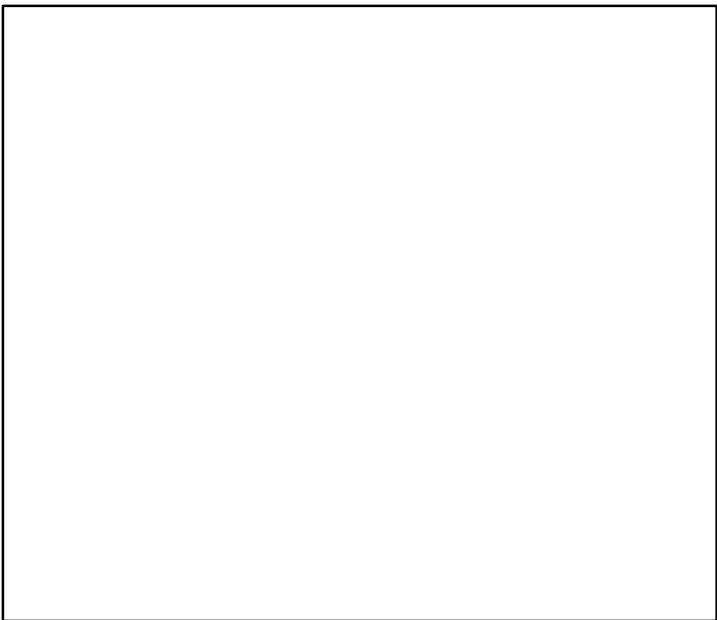
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Rosette skate Mid-Atlantic Coast [RSKATMATLC]

TB*



SSB*



TN *



F*



ER*



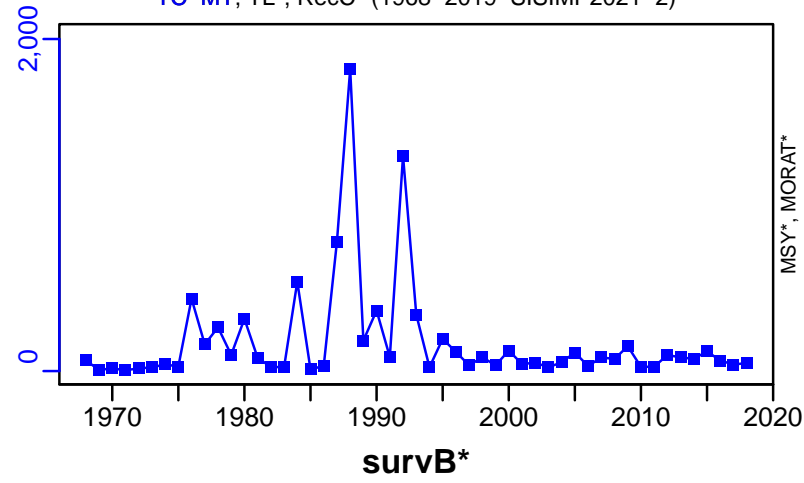
Recruits*



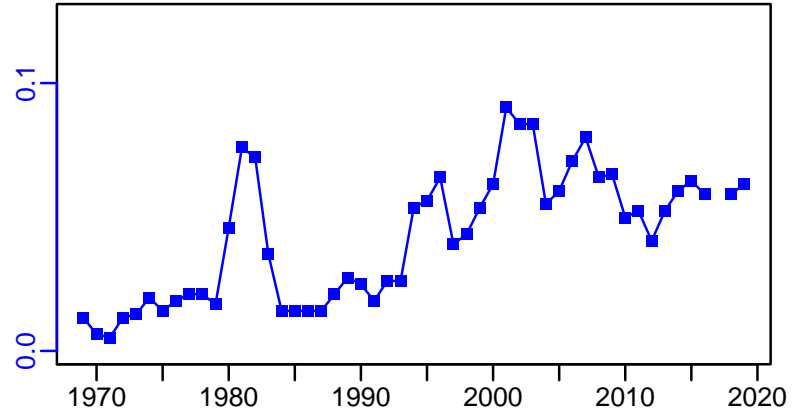
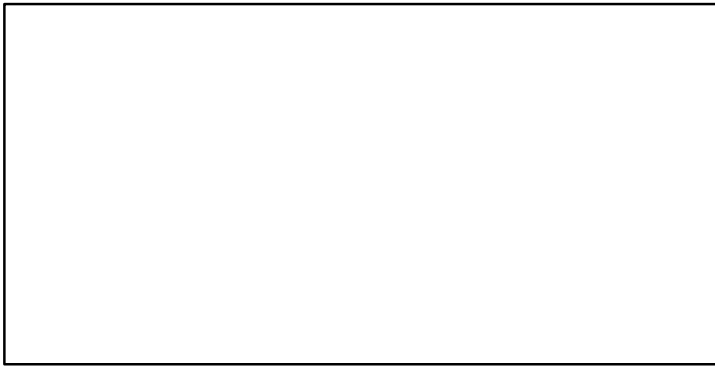
Rosette skate Mid-Atlantic Coast [RSKATMATLC]

TC-MT, TL*, RecC* (1968-2019-SISIMP2021-2)

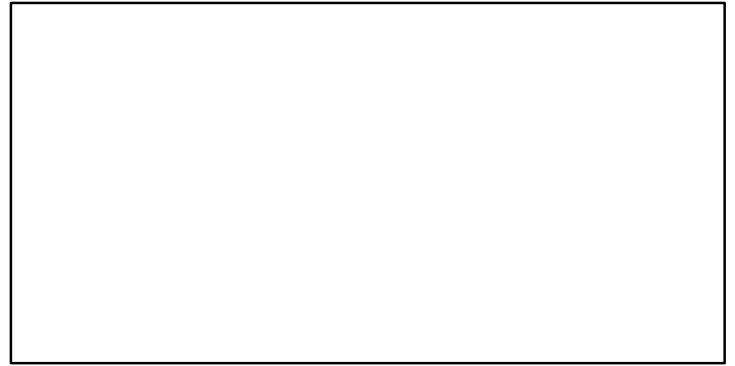
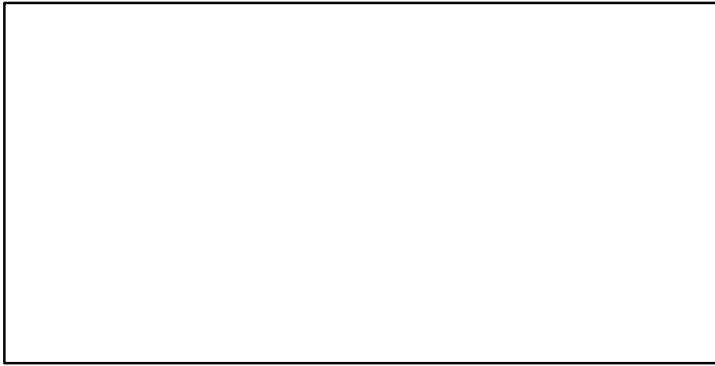
TAC*, Cpair*, Cadv*



CPUE-index (1968-2019-SISIMP2021-2)



EFFORT*



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

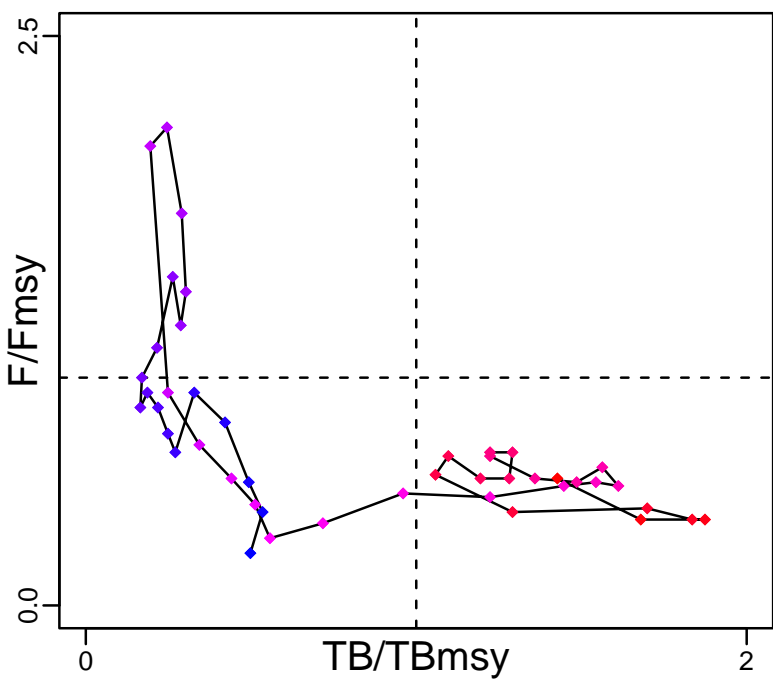
| Metadata | |
|-----------------------------|---|
| Scientific Name | Placopecten magellanicus |
| Current Assess ID | NEFSC-SCALL5ZMAB-1964-2019-SISIMP2021-2 |
| Area | Georges Bank and Mid-Atlantic Bight |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2013, 2017, 2019 |

| Reference Points | | | |
|------------------|------------------|-----------|---------|
| Type | ID | Asmt Year | Value |
| TBmsy | TBmsy-MT | 2019 | 103,000 |
| SSBmsy | - | - | - |
| Fmsy | Fmsy-1/yr | 2019 | 0.61 |
| ERmsy | ERmsy-calc-ratio | 2017 | 0.398 |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2017 | 46,531 |
| M | M-1/yr | 2013 | 0.12 |
| TBlim | TBlim-MT | 2019 | 51,300 |
| SSBlim | - | - | - |
| Flim | Flim-1/yr | 2019 | 0.61 |
| ERlim | - | - | - |

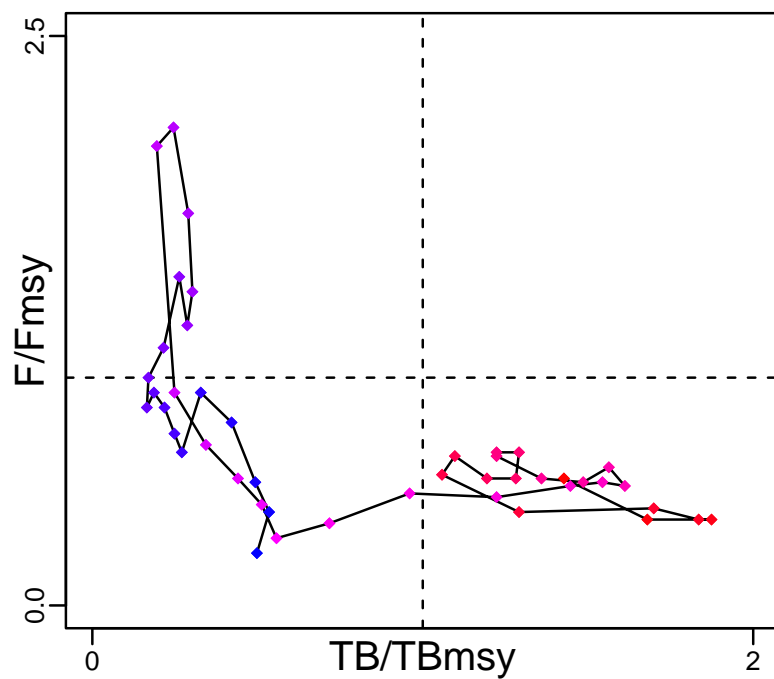
| Time Series | | | | | |
|-------------------|--------------------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2019 | 147,000 | - | - |
| SSB | - | - | - | - | - |
| TN | - | - | - | - | - |
| R | - | - | - | - | - |
| F | F-1/yr | 2019 | 0.34 | - | - |
| ER | ER-calc-ratio | 2019 | 0.188 | - | - |
| TC | TC-MT | 2019 | 27,600 | | |
| TL | TL-MT | 2013 | 18,700 | | |
| TB/TBmsy | TB-MT/TBmsy-MT | 2019 | 1.427 | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2019 | 0.557 | | |
| ER/ERmsy | ER-calc-ratio/ERmsy-calc-ratio | 2017 | 0.186 | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

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

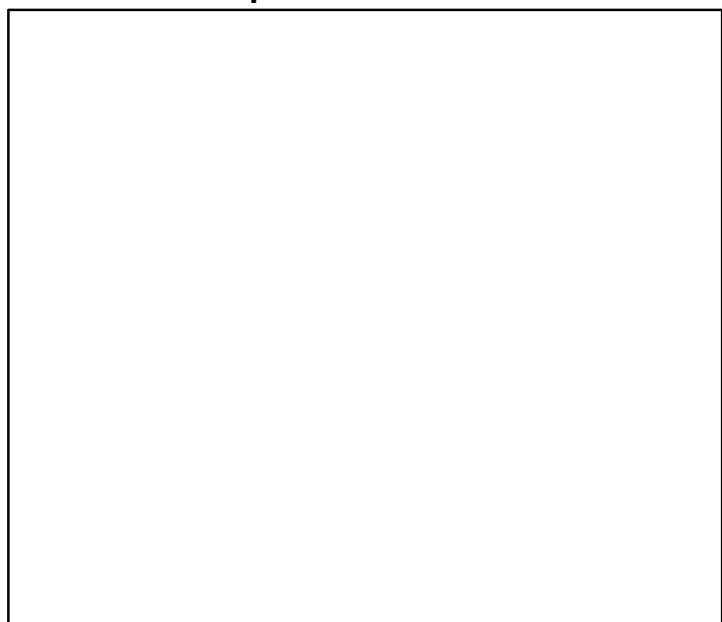
Kobe MSYpref (1964–2019–SISIMP2021–2)



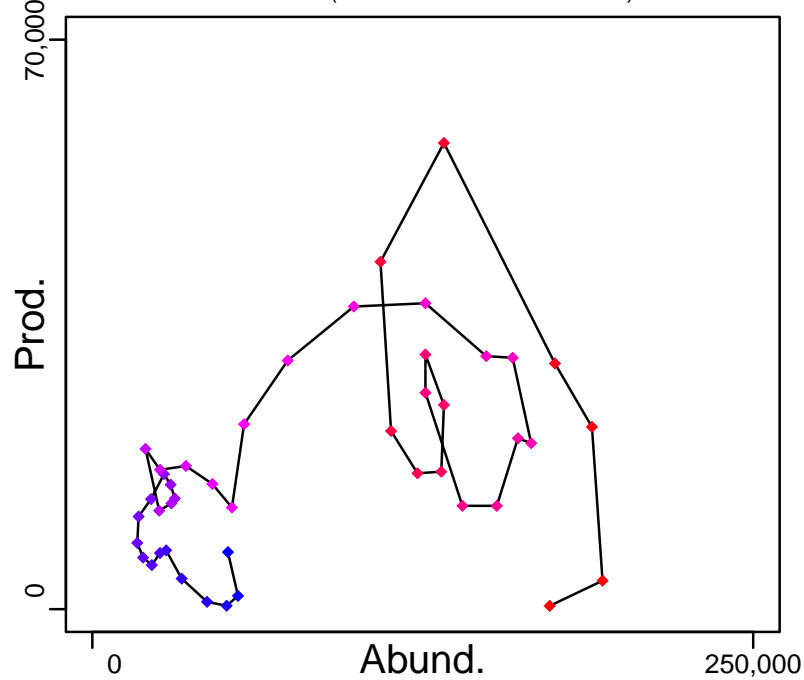
Kobe MGTpref (1964–2019–SISIMP2021–2)



Spawner Recruit*



Production (1964–2019–SISIMP2021–2)

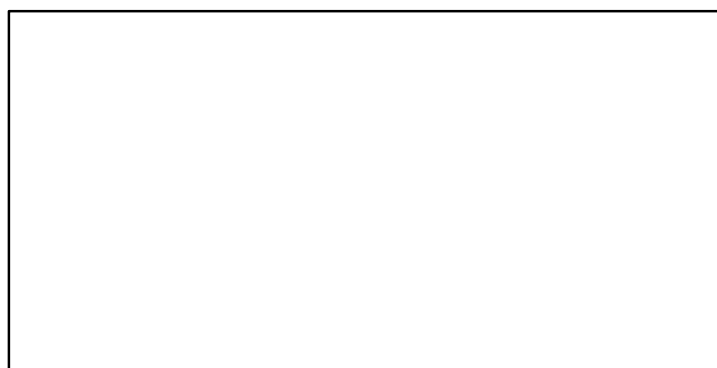
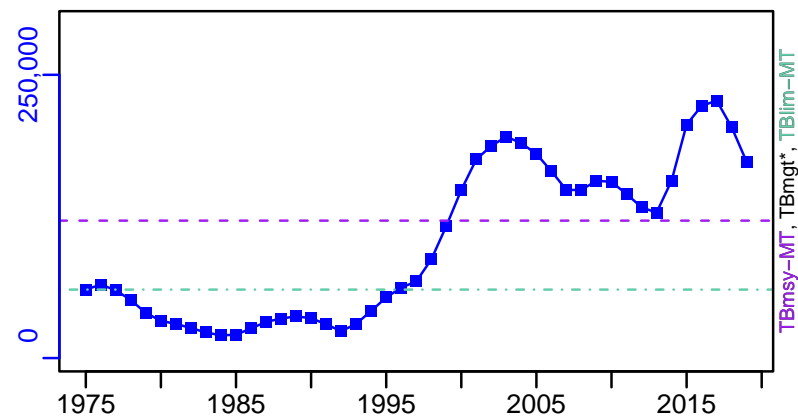


◆ Start Year ◆ End Year * No Data

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

TB-MT (1964-2019-SISIMP2021-2)

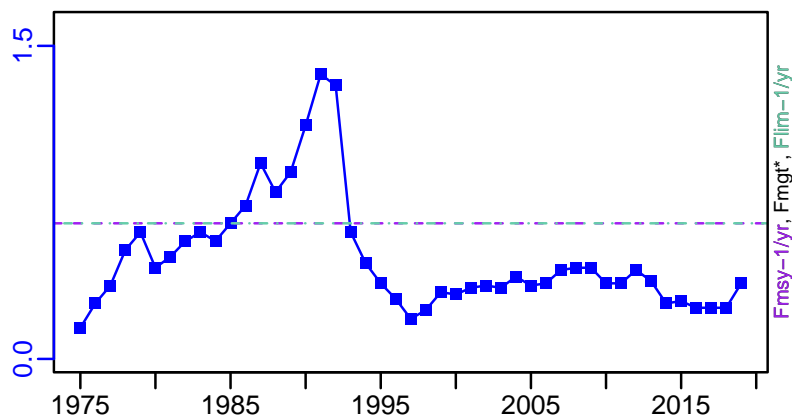
SSB*



TN *

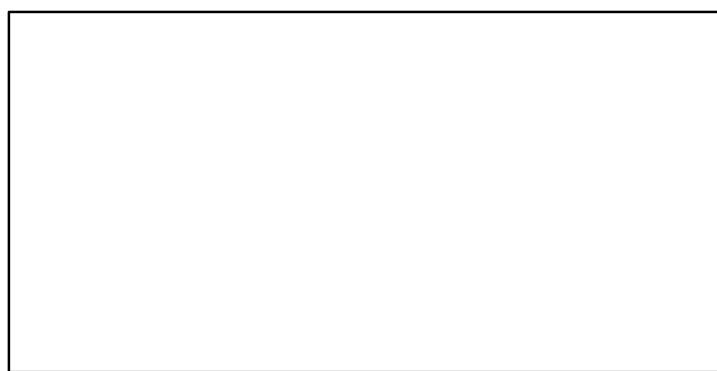
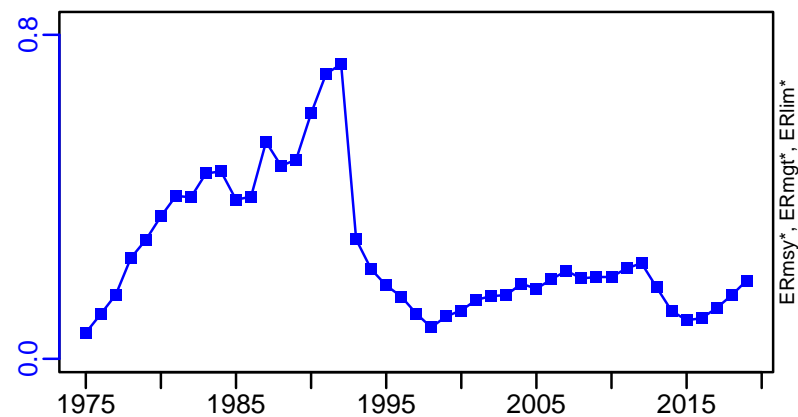


F-1/yr (1964-2019-SISIMP2021-2)



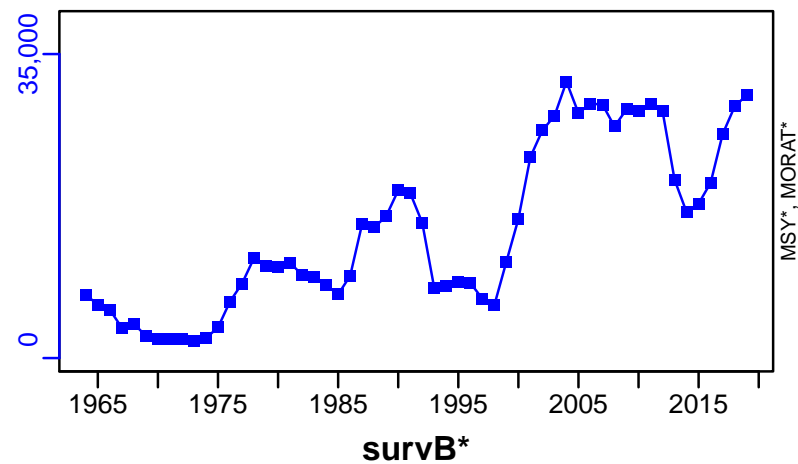
ER-calc-ratio (1964-2019-SISIMP2021-2)

Recruits*



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

TC-MT, TL*, RecC* (1964–2019–SISIMP2021–2)



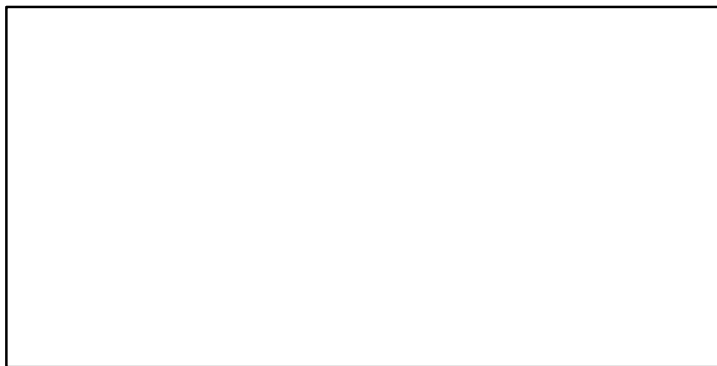
TAC*, Cpair*, Cadv*



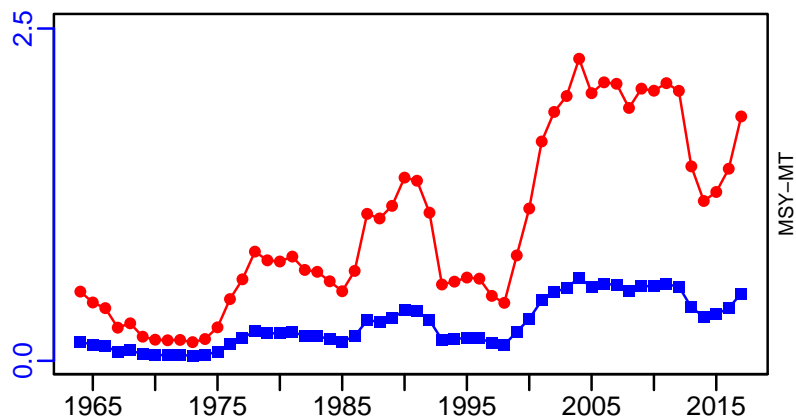
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1964–2017–SISIMP2021)



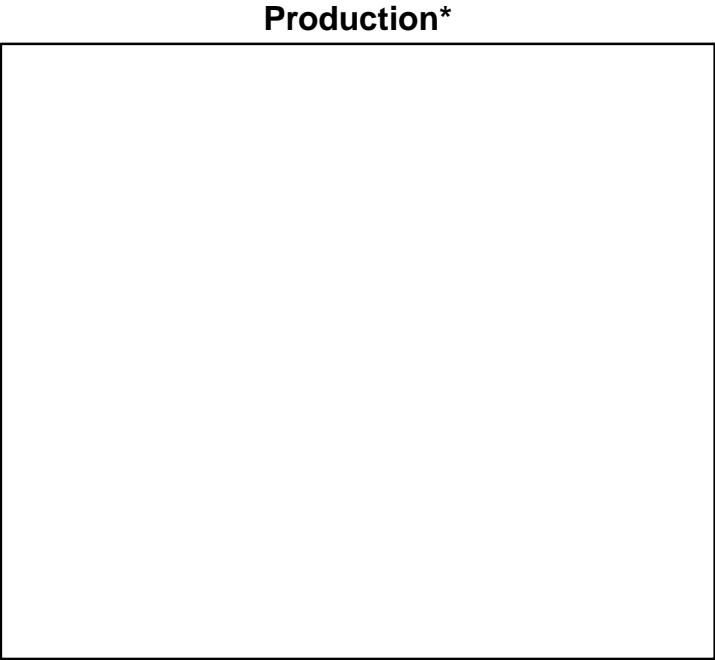
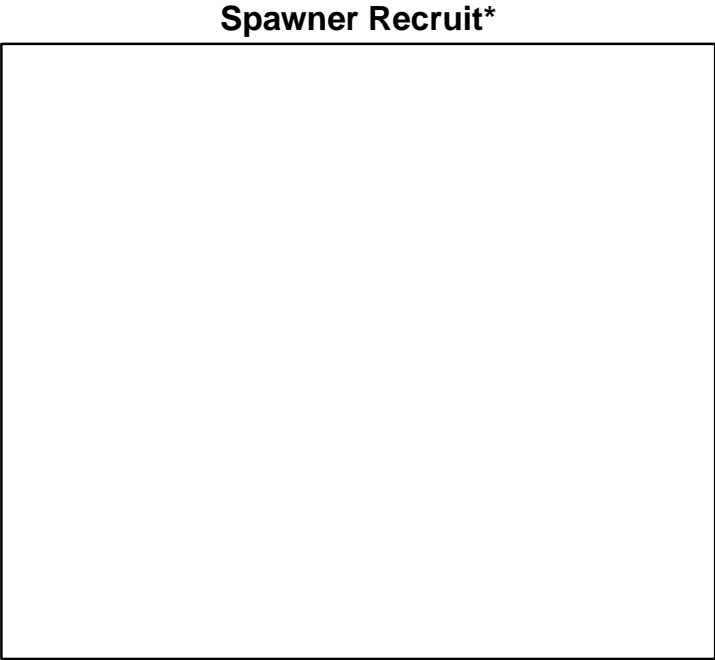
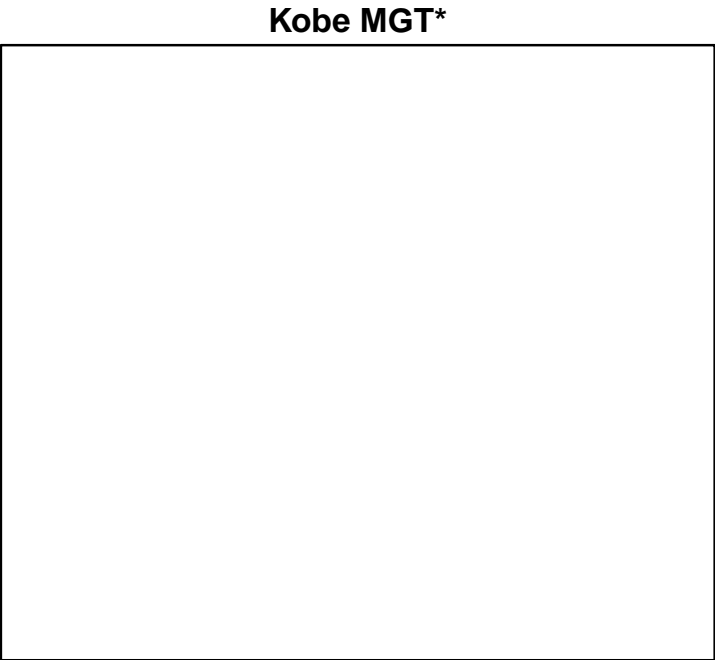
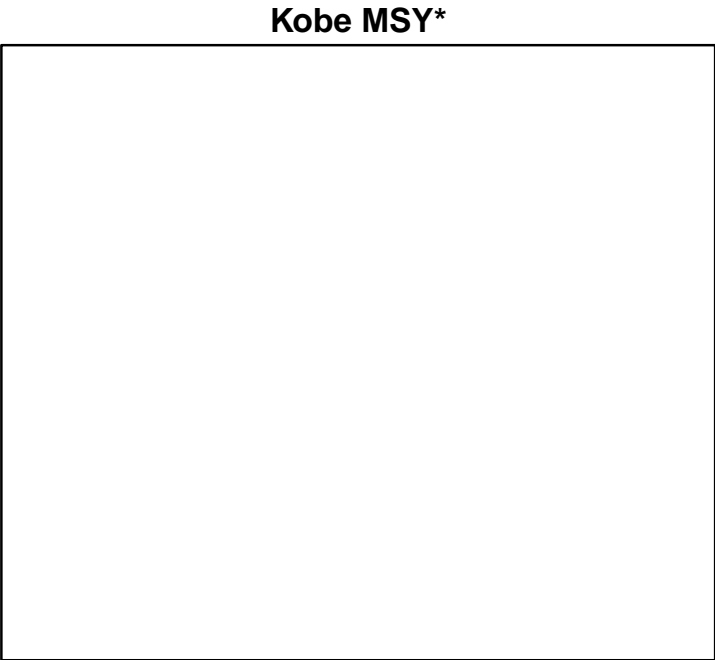
- 1st listed time series
- 2nd listed time series
- 3rd listed time series
- MSY
- MORAT
- No Data

Scalloped hammerhead Atlantic [SCHHEADATL]

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

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

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



◆ Start Year ♦ End Year * No Data

Scalloped hammerhead Atlantic [SCHHEADATL]

TB*



SSB*



TN *



F*



ER*



Recruits*

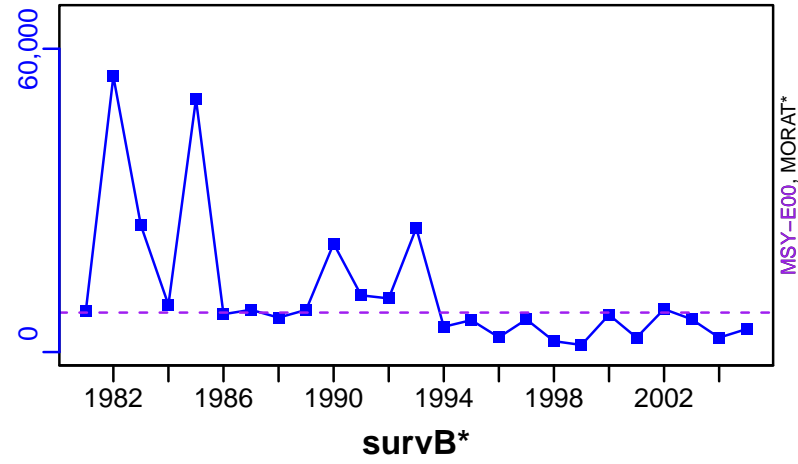


| | | |
|----------------------|------------------|-----------|
| ■ Listed time series | - - - Target BRP | — Rec-Est |
| - - - MSY-based BRP | · · · Lim BRP | * No Data |

Scalloped hammerhead Atlantic [SCHHEADATL]

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

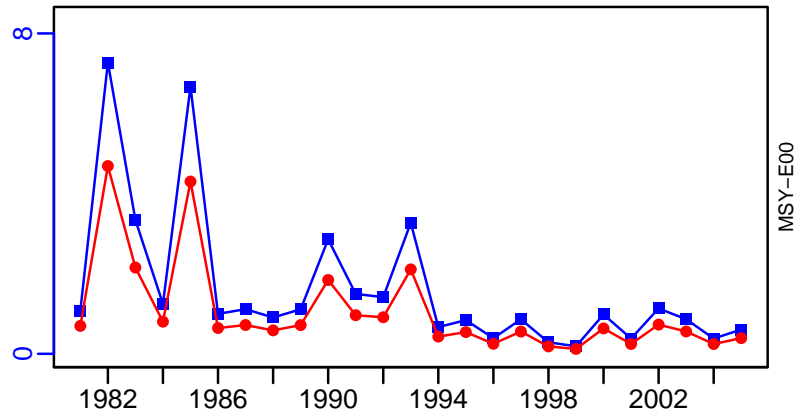
TAC*, Cpair*, Cadv*



EFFORT*



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



Scup Northwestern Atlantic Coast [SCUPNWATLC]

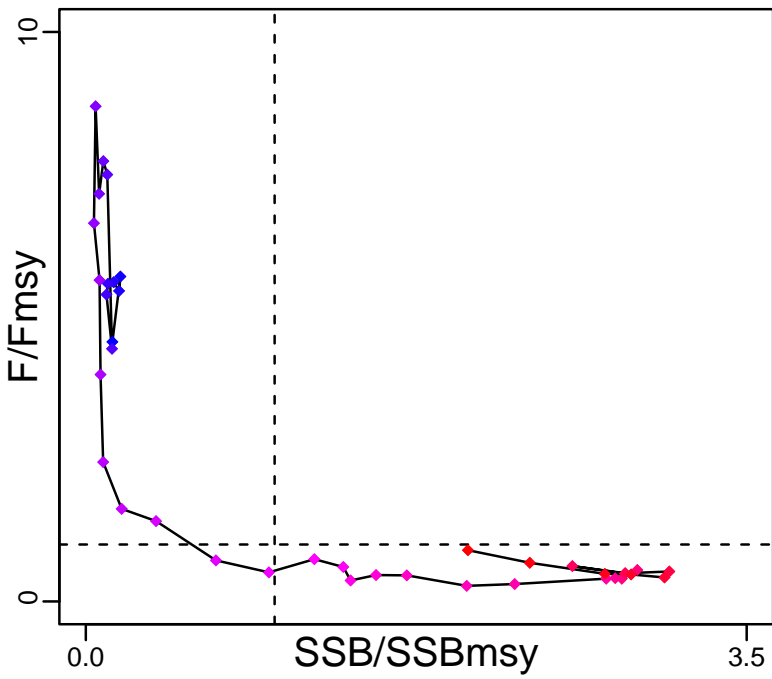
| Metadata | |
|-----------------------------|---|
| Scientific Name | Stenotomus chrysops |
| Current Assess ID | NEFSC-SCUPNWATLC-1984-2022-SISIMP2024 |
| Area | Northwestern Atlantic Coast |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2007, 2016, 2018, 2019, 2014, 2022 |

| Reference Points | | | |
|------------------|-----------|-----------|--------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2022 | 78,593 |
| Fmsy | Fmsy-1/yr | 2022 | 0.19 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2022 | 11,959 |
| M | M-1/yr | 2007 | 0.2 |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2022 | 39,296 |
| Flim | Flim-1/yr | 2019 | 0.2 |
| ERlim | - | - | - |

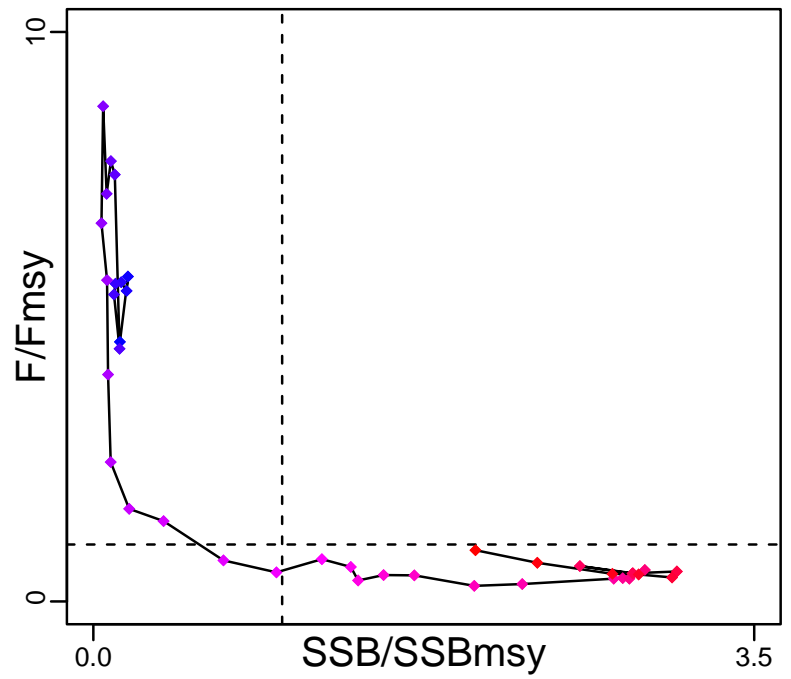
| Time Series | | | | | |
|-------------------|------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2022 | 159,050 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2022 | 106,037 | - | 0 |
| F | F-1/yr | 2022 | 0.171 | - | 4+ |
| ER | ER-ratio | 2007 | 0.029 | - | - |
| TC | TC-MT | 2022 | 16,291 | | |
| TL | TL-MT | 2007 | 4200 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2022 | 2.024 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2022 | 0.9 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Scup Northwestern Atlantic Coast [SCUPNWATLC]

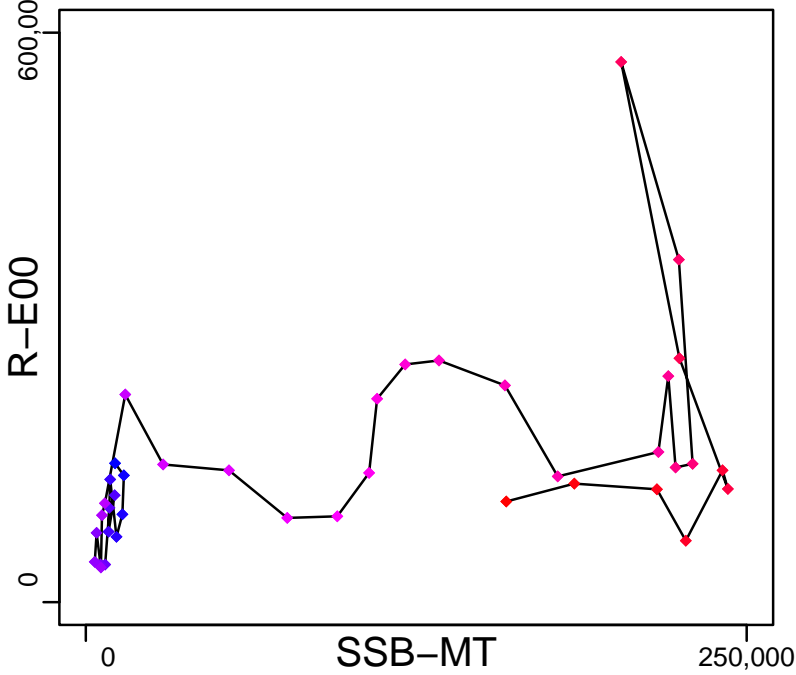
Kobe MSY_{pref} (1984–2022–SISIMP2024)



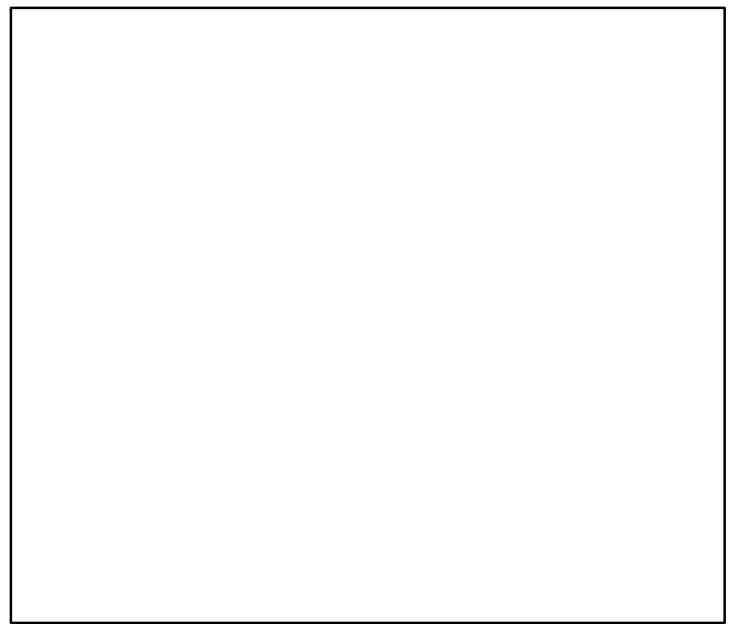
Kobe MGT_{pref} (1984–2022–SISIMP2024)



Spawner Recruit (1984–2022–SISIMP2024)



Production*



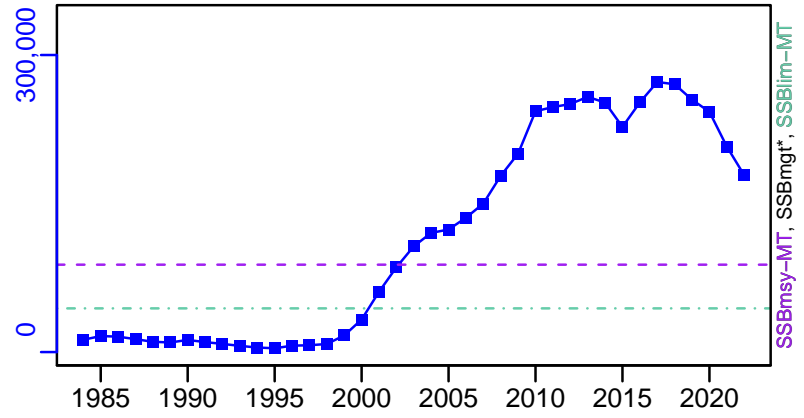
◆ Start Year ◆ End Year * No Data

Scup Northwestern Atlantic Coast [SCUPNWATLC]

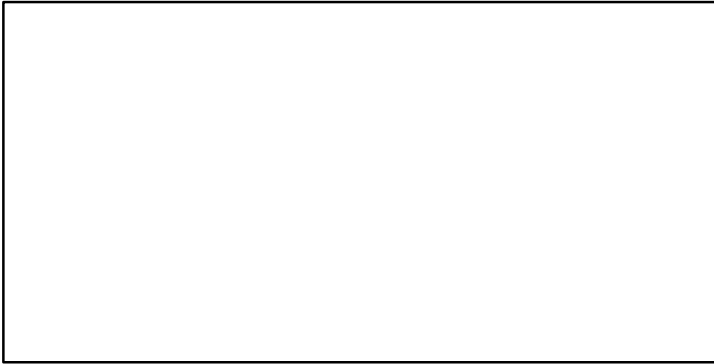
TB*



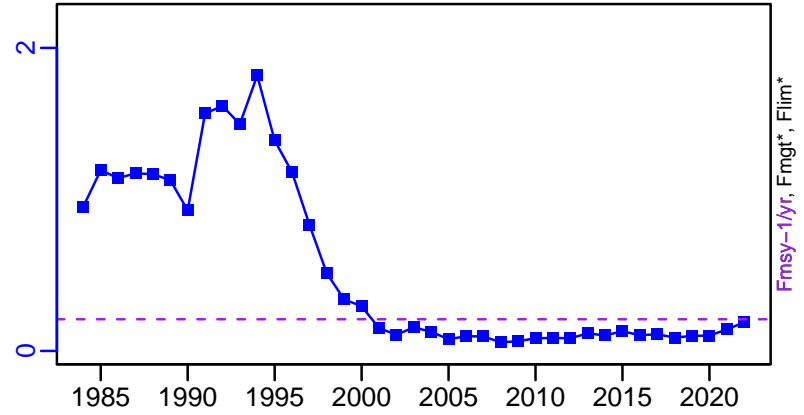
SSB-MT (1984–2022–SISIMP2024)



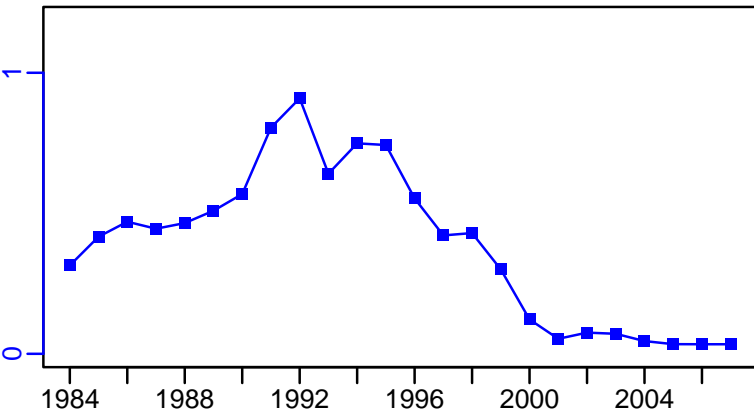
TN *



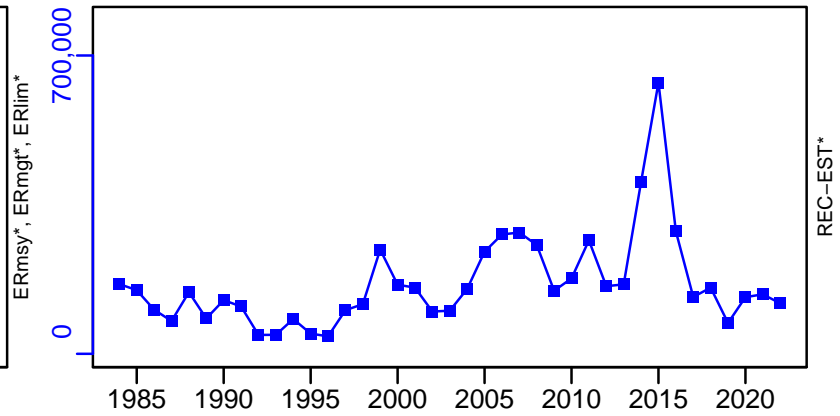
F-1/yr (1984–2022–SISIMP2024)



ER-ratio (1960–2007–TERCEIRO)

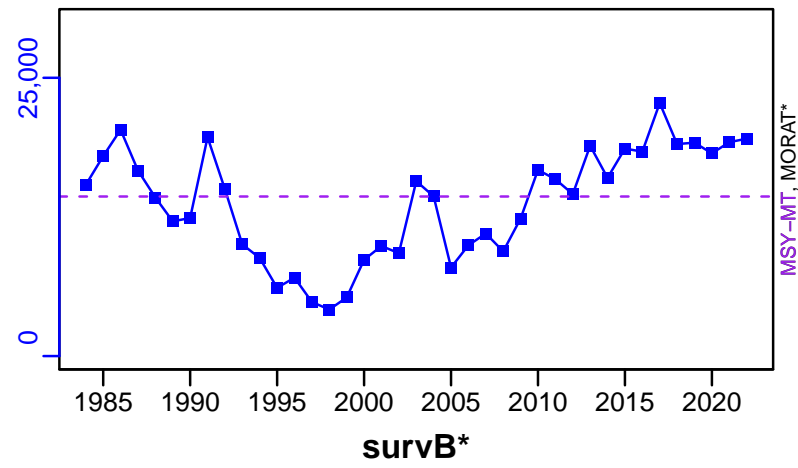


R-E00 (1984–2022–SISIMP2024)



Scup Northwestern Atlantic Coast [SCUPNWATLC]

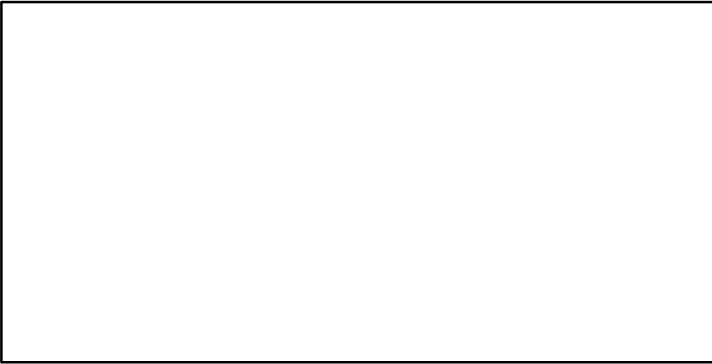
TC-MT, TL*, RecC* (1984-2022-SISIMP2024)



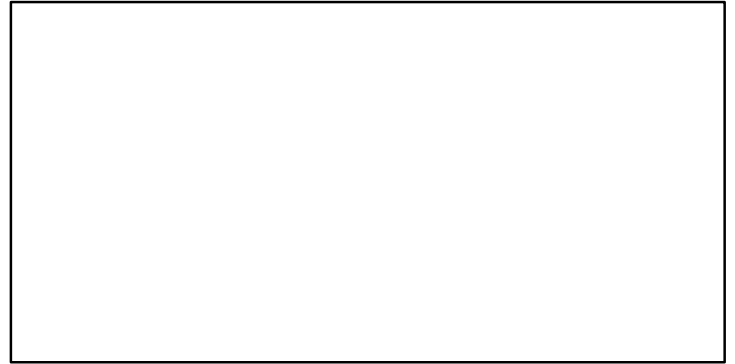
TAC*, Cpair*, Cadv*



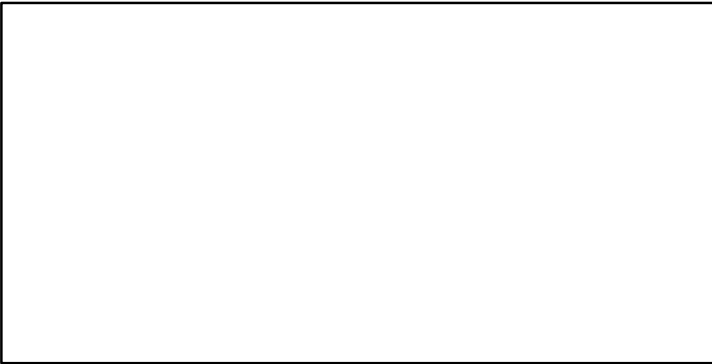
survB*



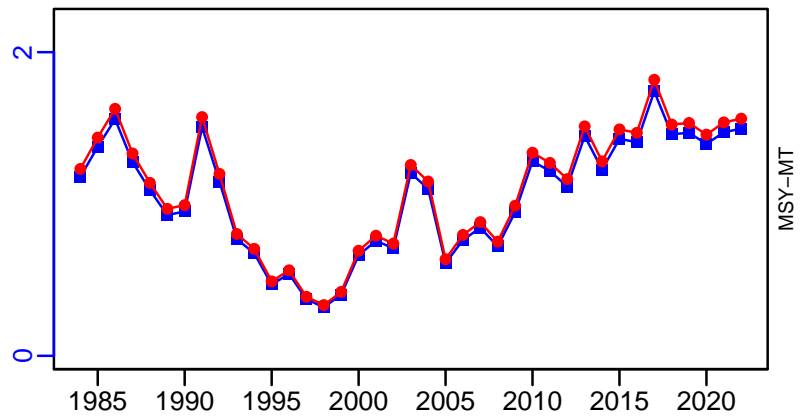
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1984-2022-SISIMP2024)



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

Spiny dogfish Atlantic Coast [SDOGATLC]

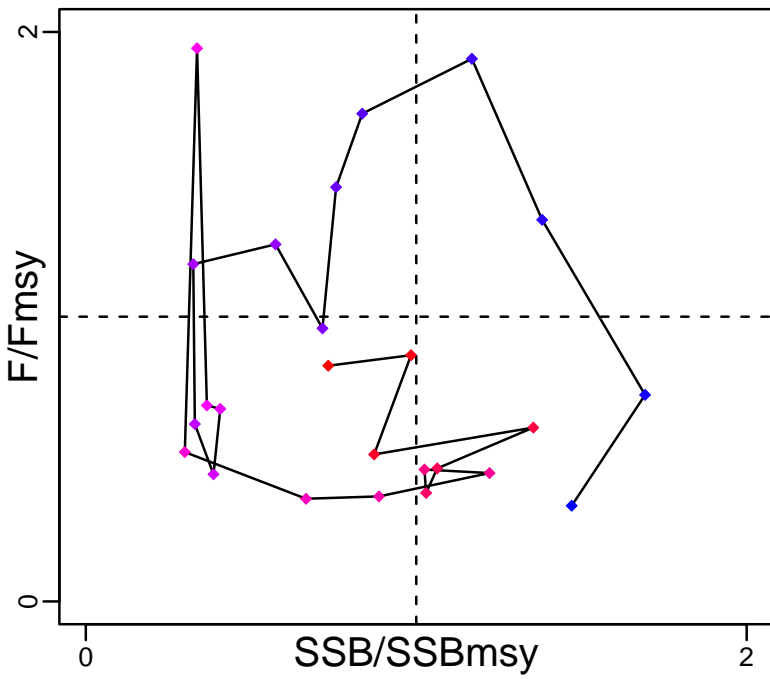
| Metadata | |
|-----------------------------|---|
| Scientific Name | Squalus acanthias |
| Current Assess ID | NEFSC-SDOGATLC-1968-2018-SISIMP2021 |
| Area | Atlantic Coast |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2006, 2018, 2015 |

| Reference Points | | | |
|------------------|-----------|-----------|---------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2018 | 159,300 |
| Fmsy | Fmsy-1/yr | 2018 | 0.244 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | - | - | - |
| M | - | - | - |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2018 | 79,600 |
| Flim | Flim-1/yr | 2015 | 0.244 |
| ERlim | - | - | - |

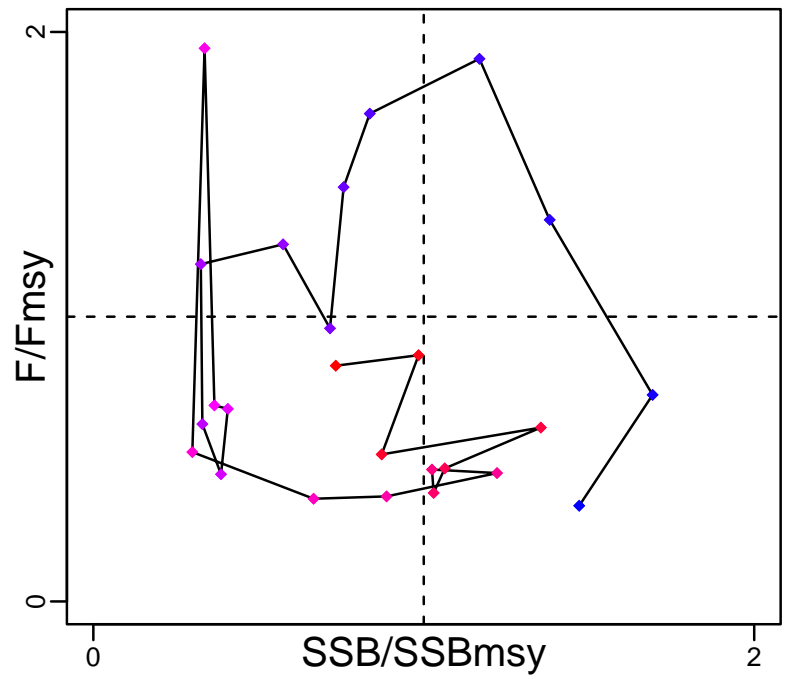
| Time Series | | | | | |
|-------------------|------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2006 | 454,000 | - | - |
| SSB | SSB-MT | 2018 | 106,753 | - | - |
| TN | - | - | - | - | - |
| R | R-MT | 2018 | 1510 | - | - |
| F | F-1/yr | 2018 | 0.202 | - | - |
| ER | ER-ratio | 2006 | 0.017 | - | - |
| TC | TC-MT | 2018 | 14,326 | | |
| TL | TL-MT | 2006 | 3020 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2018 | 0.67 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2018 | 0.828 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Spiny dogfish Atlantic Coast [SDOGATLC]

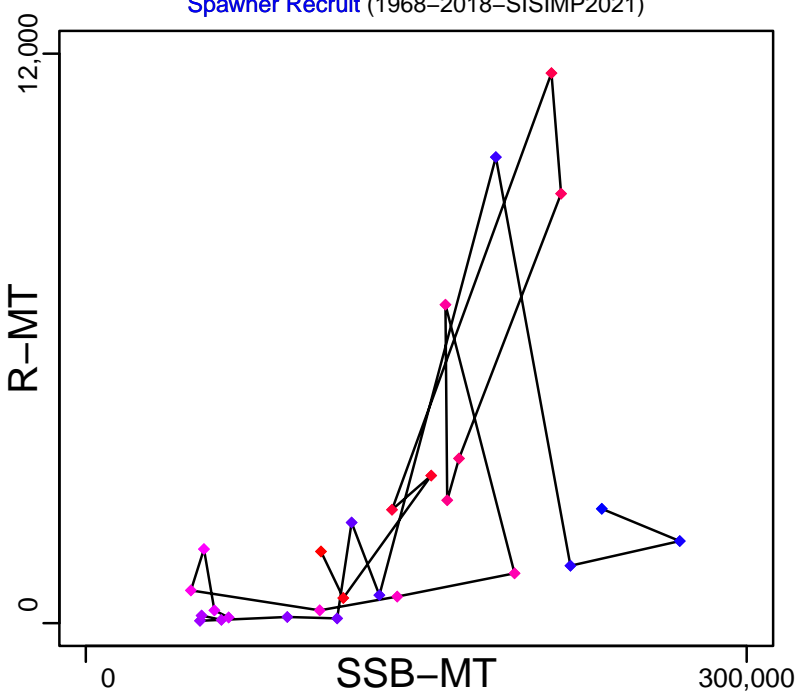
Kobe MSY_{pref} (1968–2018–SISIMP2021)



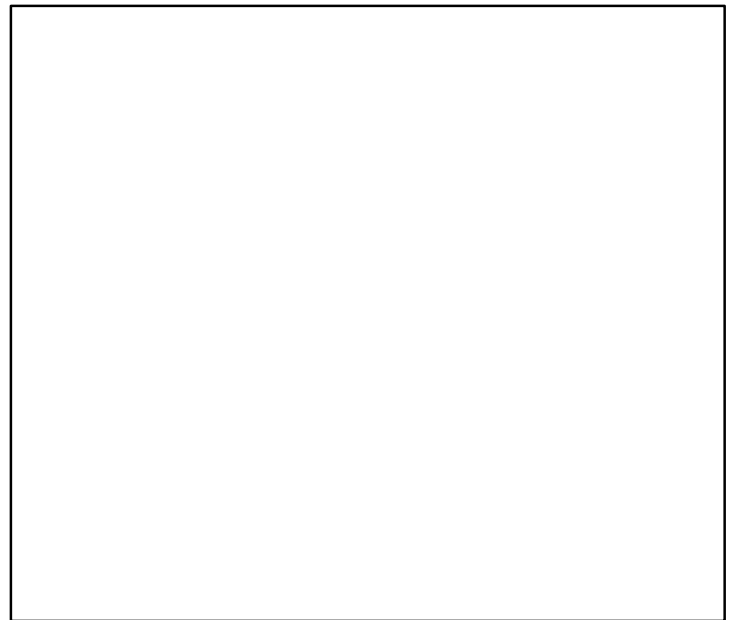
Kobe MGT_{pref} (1968–2018–SISIMP2021)



Spawner Recruit (1968–2018–SISIMP2021)



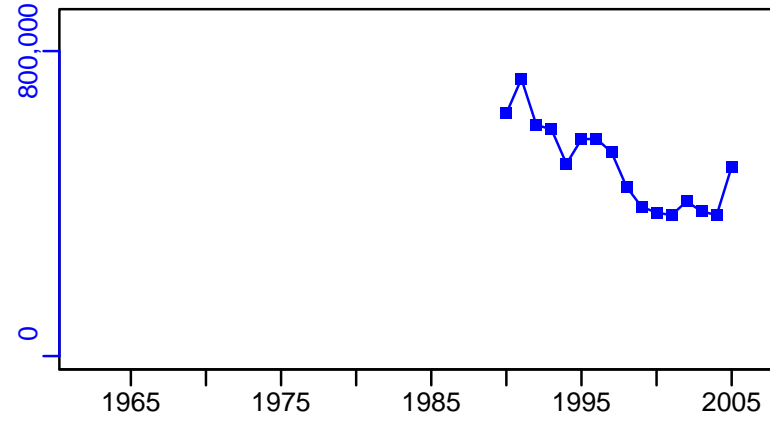
Production*



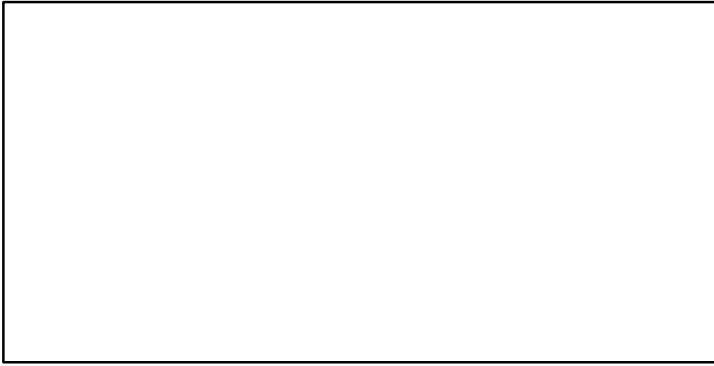
◆ Start Year ◆ End Year * No Data

Spiny dogfish Atlantic Coast [SDOGATLC]

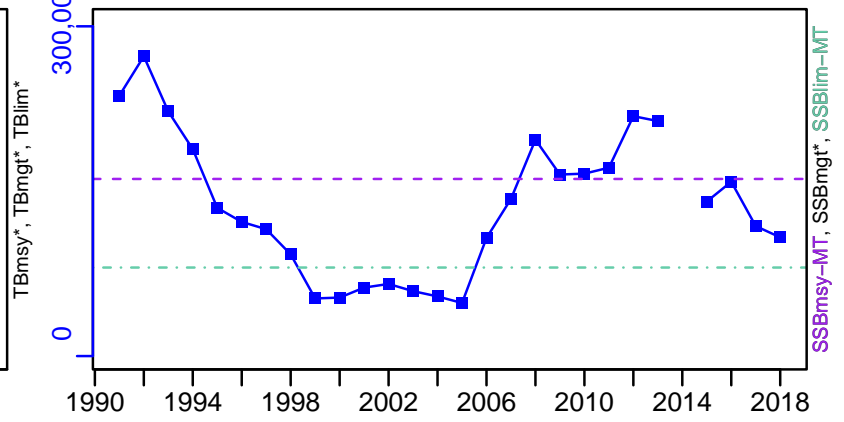
TB-MT (1962–2006–SOSEBEE)



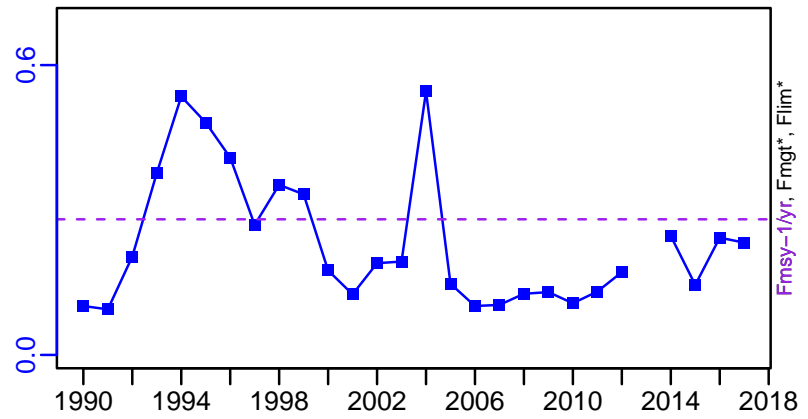
TN *



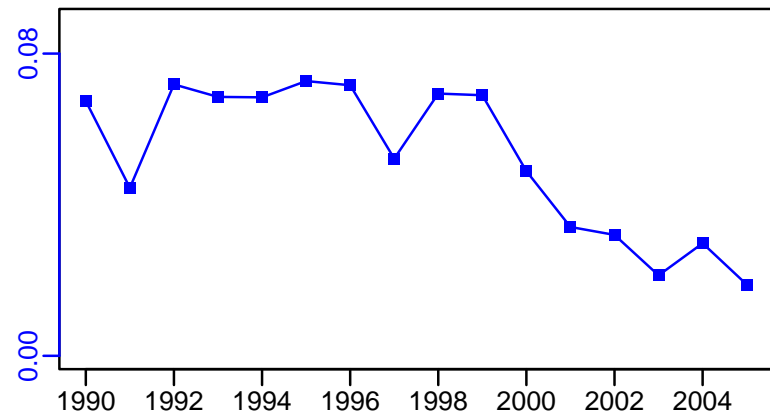
SSB-MT (1968–2018–SISIMP2021)



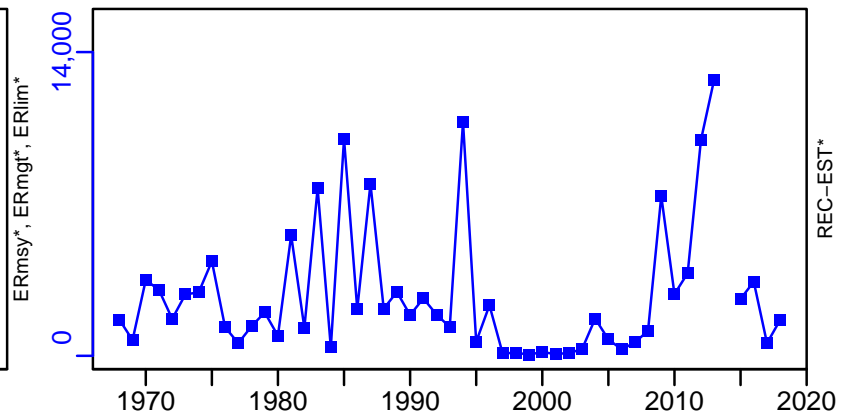
F-1/yr (1968–2018–SISIMP2021)



ER-ratio (1962–2006–SOSEBEE)



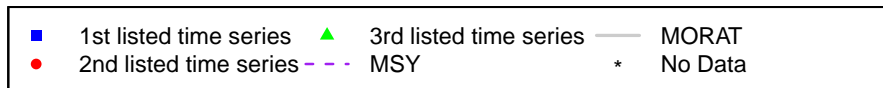
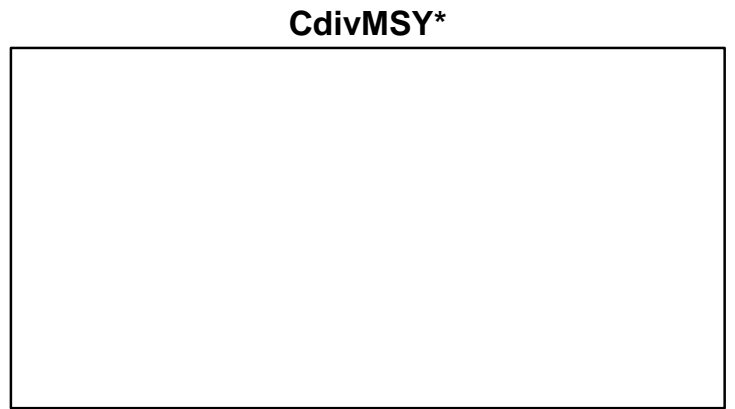
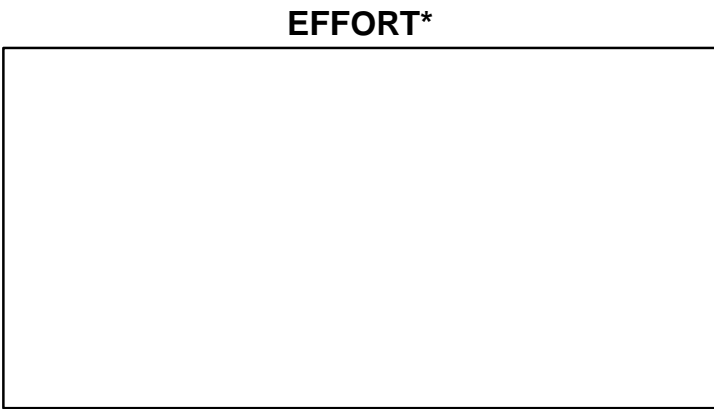
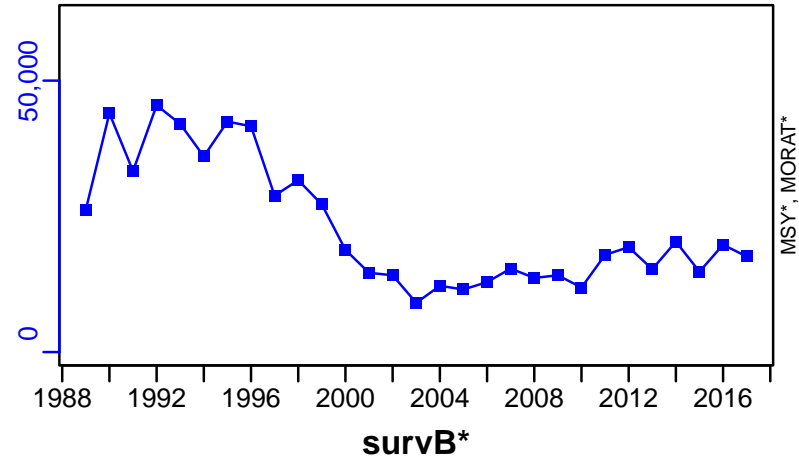
R-MT (1968–2018–SISIMP2021)



Spiny dogfish Atlantic Coast [SDOGATLC]

TC-MT, TL*, RecC* (1968-2018-SISIMP2021)

TAC*, Cpair*, Cadv*



Summer flounder Mid-Atlantic Coast [SFLOUNMATLC]

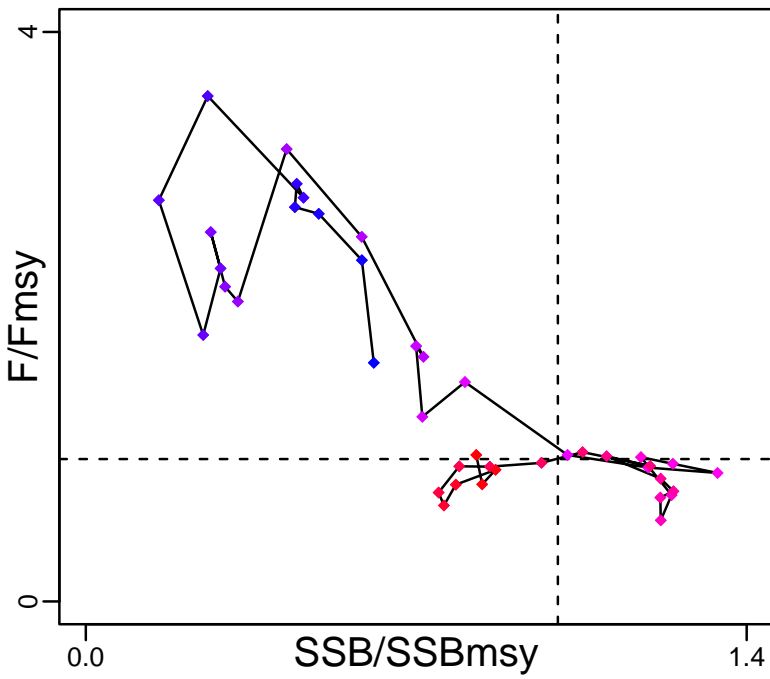
| Metadata | |
|-----------------------------|---|
| Scientific Name | Paralichthys dentatus |
| Current Assess ID | NEFSC-SFLOUNMATLC-1982-2022-SISIMP2024 |
| Area | Mid-Atlantic Coast |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2012, 2014, 2015, 2017, 2019, 2022 |

| Reference Points | | | |
|------------------|-----------|-----------|--------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2022 | 49,561 |
| Fmsy | Fmsy-1/yr | 2022 | 0.451 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2022 | 14,097 |
| M | M-1/yr | 2012 | 0.25 |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2022 | 24,780 |
| Flim | Flim-1/yr | 2019 | 0.422 |
| ERlim | - | - | - |

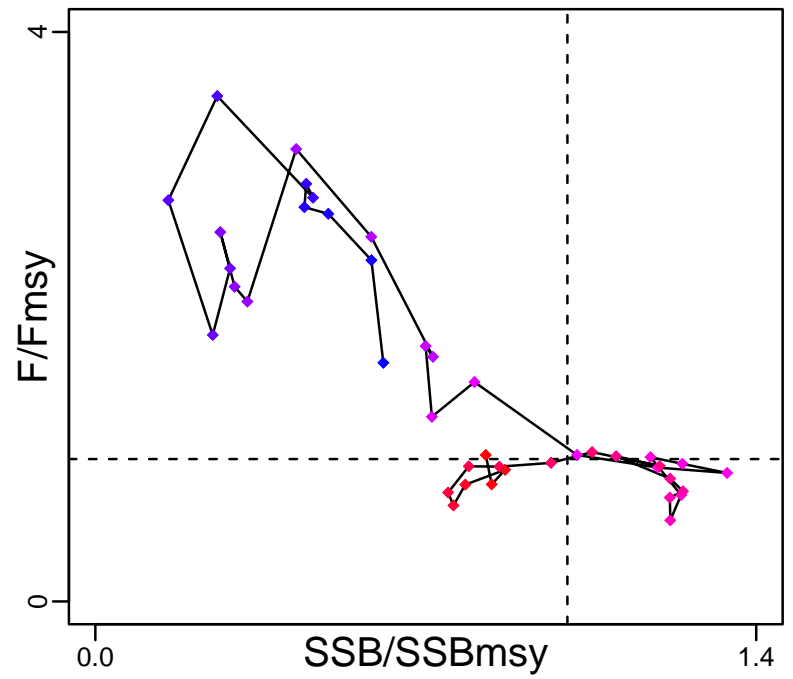
| Time Series | | | | | |
|-------------------|------------------|-----------|--------------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2022 | 40,994 | - | - |
| TN | TN-E00 | 2012 | 1.17×10^8 | - | - |
| R | R-E00 | 2022 | 38,371 | - | 0 |
| F | F-1/yr | 2022 | 0.464 | - | 4+ |
| ER | - | - | - | - | - |
| TC | TC-MT | 2022 | 11,615 | | |
| TL | TL-MT | 2012 | 6050 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2022 | 0.827 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2022 | 1.029 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Summer flounder Mid-Atlantic Coast [SFLOUNMATLC]

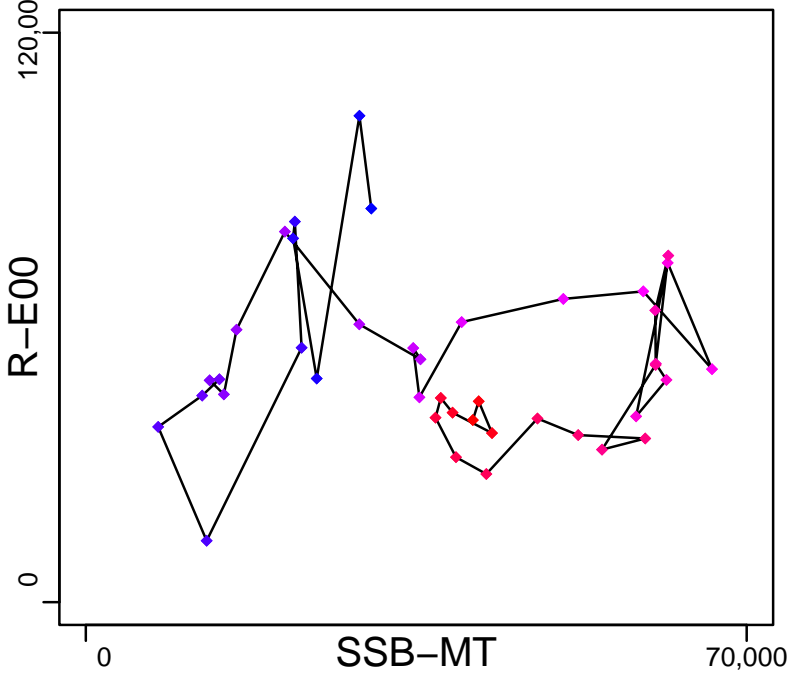
Kobe MSYpref (1982–2022–SISIMP2024)



Kobe MGTpref (1982–2022–SISIMP2024)



Spawner Recruit (1982–2022–SISIMP2024)



Production*



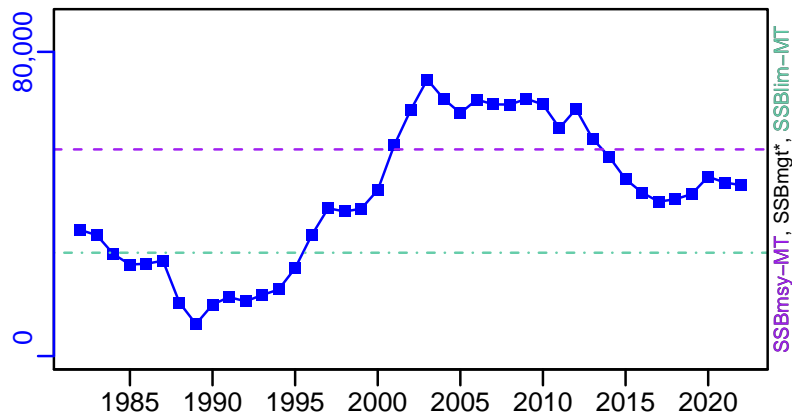
◆ Start Year ◆ End Year * No Data

Summer flounder Mid-Atlantic Coast [SFLOUNMATLC]

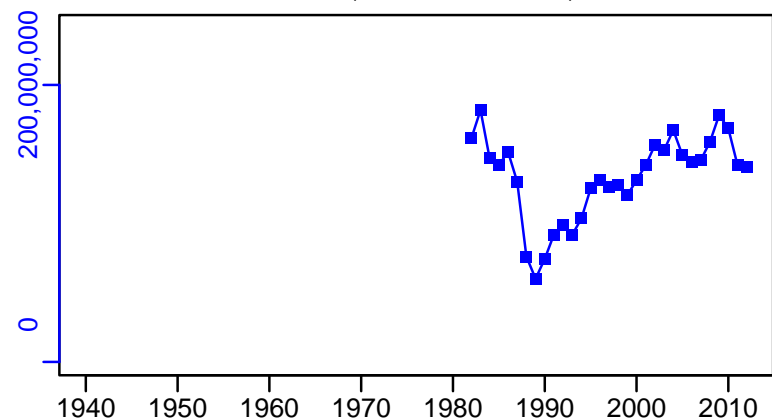
TB*



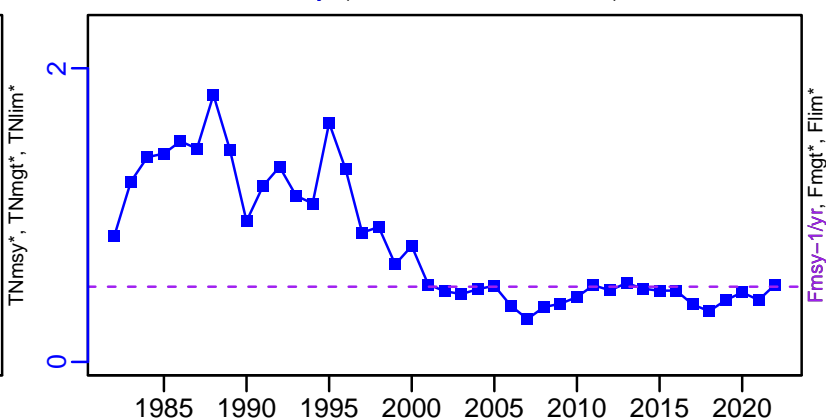
SSB-MT (1982-2022-SISIMP2024)



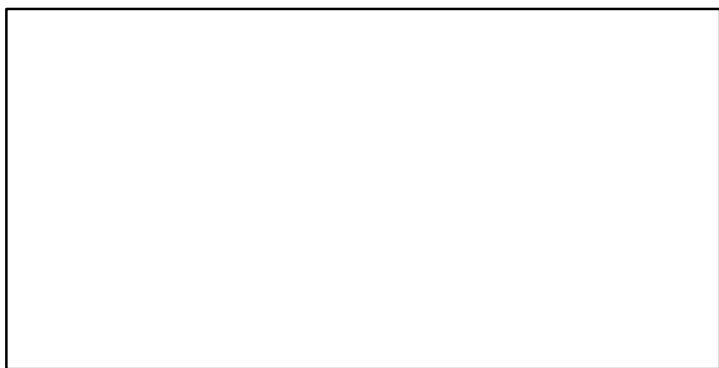
TN-E00 (1940-2012-HIVELY)



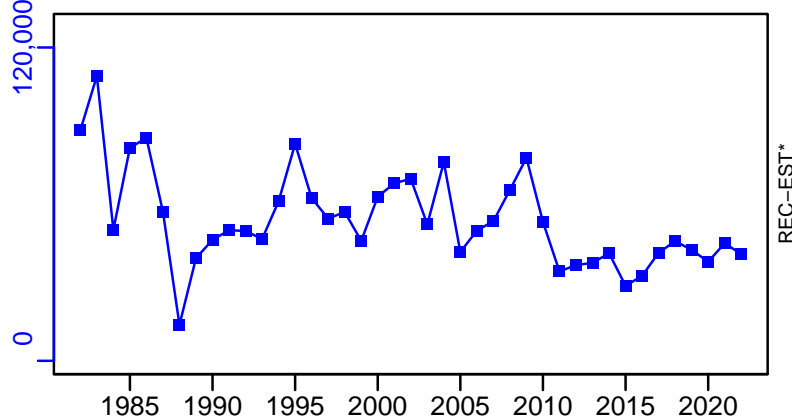
F-1/yr (1982-2022-SISIMP2024)



ER*



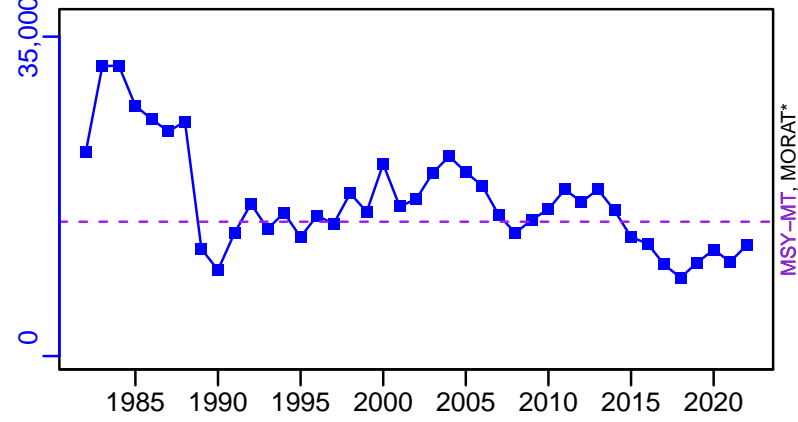
R-E00 (1982-2022-SISIMP2024)



Summer flounder Mid-Atlantic Coast [SFLOUNMATLC]

TC-MT, TL*, RecC* (1982-2022-SISIMP2024)

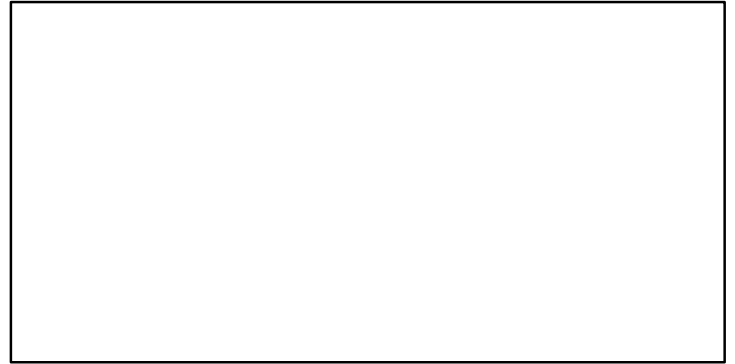
TAC*, Cpair*, Cadv*



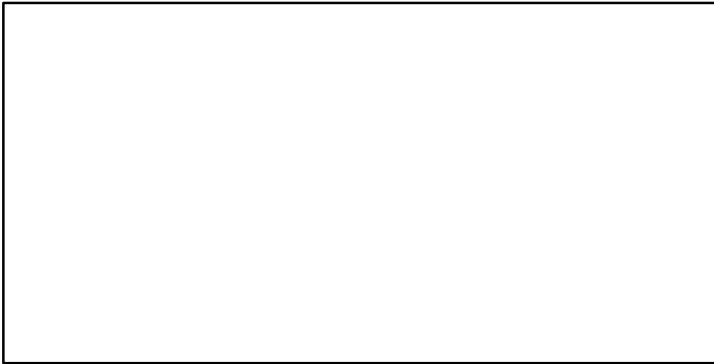
survB*



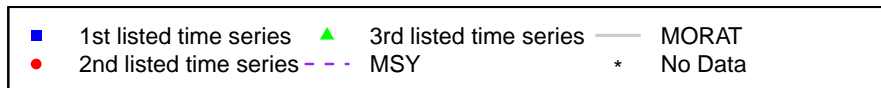
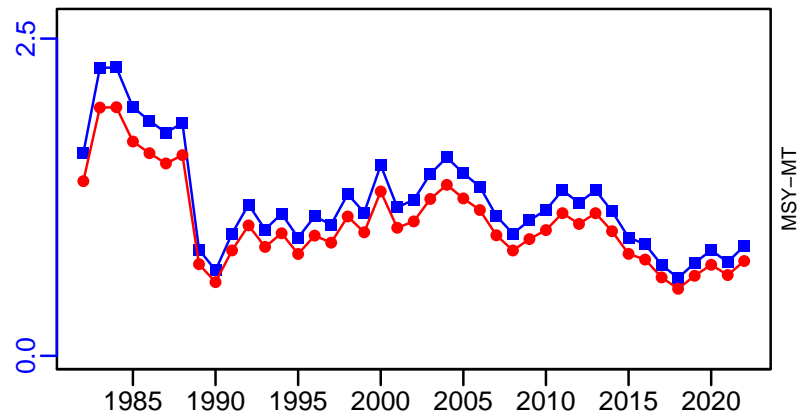
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1982-2022-SISIMP2024)



Silver hake Gulf of Maine / Georges Bank [SHAKEGOMNGB]

| Metadata | |
|-----------------------------|---|
| Scientific Name | Merluccius bilinearis |
| Current Assess ID | NEFSC-SHAKEGOMNGB-1973-2019-SISIMP2021-2 |
| Area | Gulf of Maine / Georges Bank |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2009, 2013, 2016, 2019 |

| Reference Points | | | |
|------------------|---------------|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | TBmsy-calc-MT | 2019 | 3213 |
| SSBmsy | - | - | - |
| Fmsy | - | - | - |
| ERmsy | ERmsy-ratio | 2019 | 2.77 |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2019 | 8900 |
| M | - | - | - |
| TBlim | - | - | - |
| SSBlim | - | - | - |
| Flim | - | - | - |
| ERlim | ERlim-ratio | 2019 | 2.77 |

| Time Series | | | | | |
|-------------------|----------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | - | - | - | - | - |
| TN | TN-E00 | 2009 | 14,300,000 | - | - |
| R | - | - | - | - | - |
| F | - | - | - | - | - |
| ER | ER-ratio | 2019 | 0.15 | - | - |
| TC | TC-MT | 2019 | 1300 | | |
| TL | TL-MT | 2009 | 972 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | ER-ratio/ERmsy-ratio | 2019 | 0.054 | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



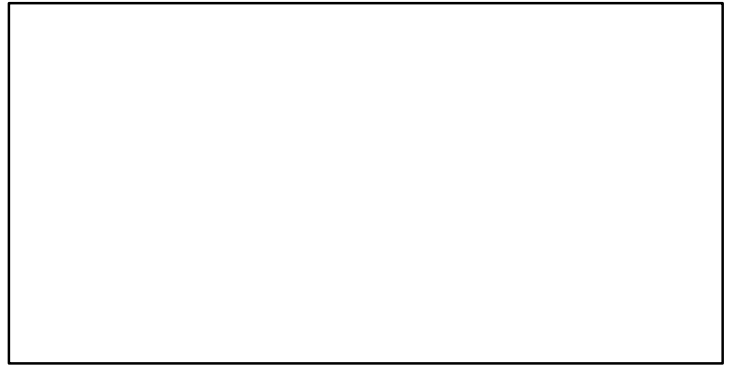
◆ Start Year ◆ End Year * No Data

Silver hake Gulf of Maine / Georges Bank [SHAKEGOMNGB]

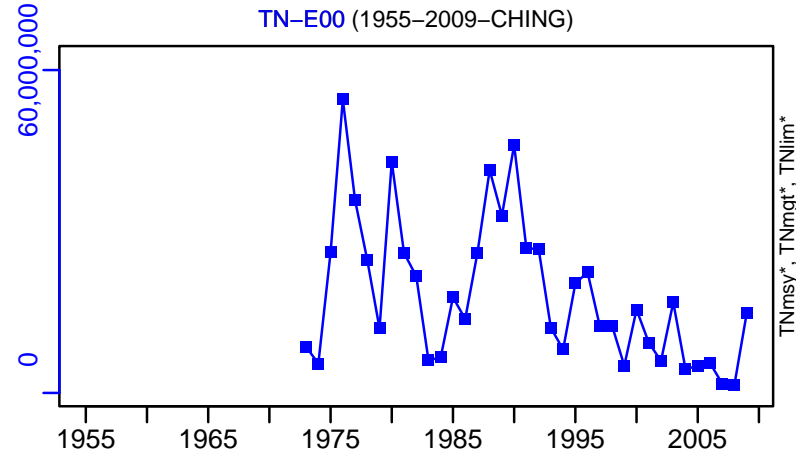
TB*



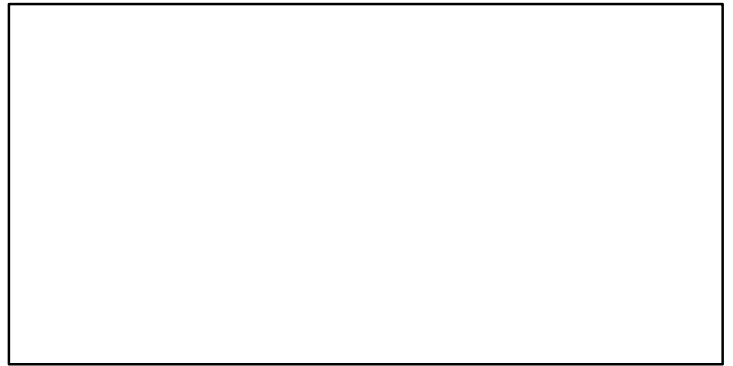
SSB*



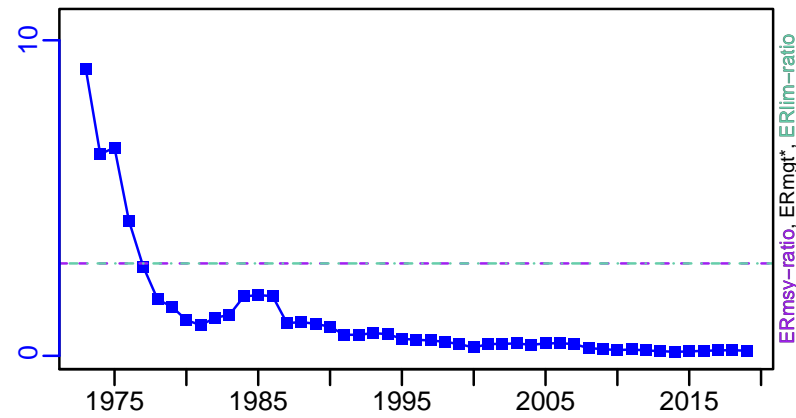
TN-E00 (1955–2009–CHING)



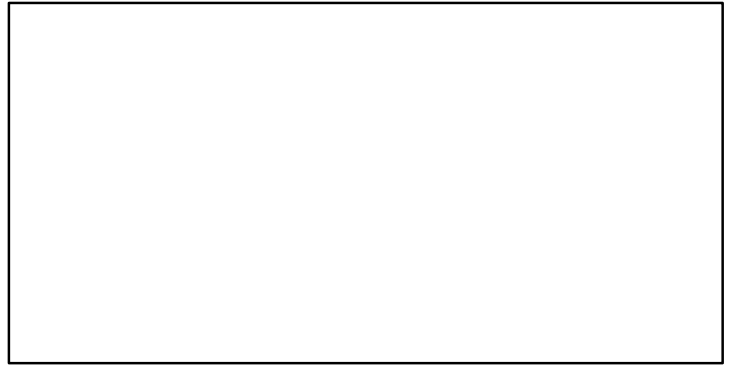
F*



ER-ratio (1973–2019–SISIMP2021–2)



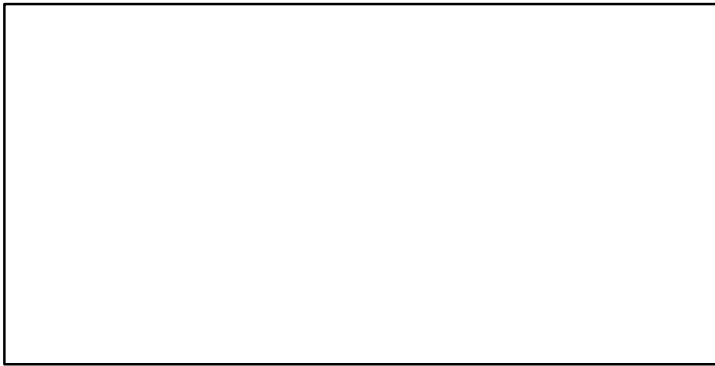
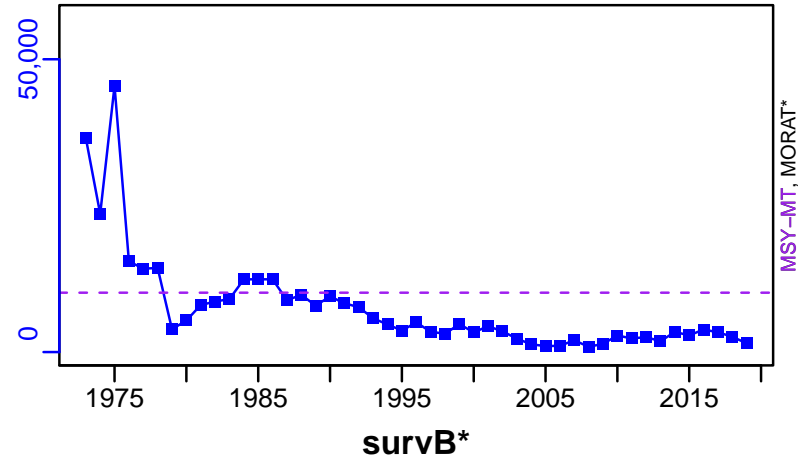
Recruits*



Silver hake Gulf of Maine / Georges Bank [SHAKEGOMNGB]

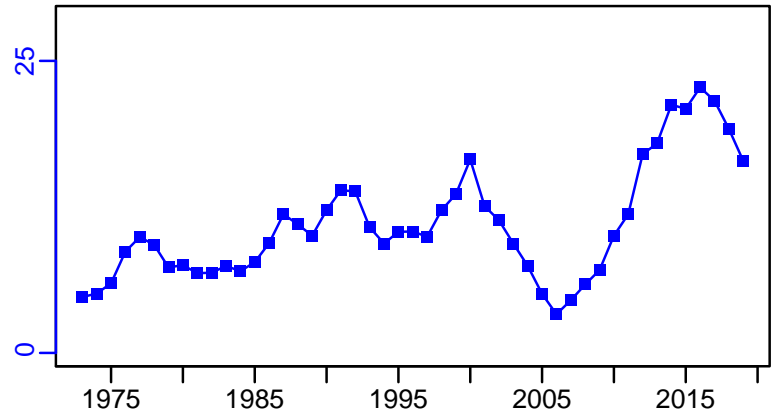
TC-MT, TL*, RecC* (1973-2019-SISIMP2021-2)

TAC*, Cpair*, Cadv*

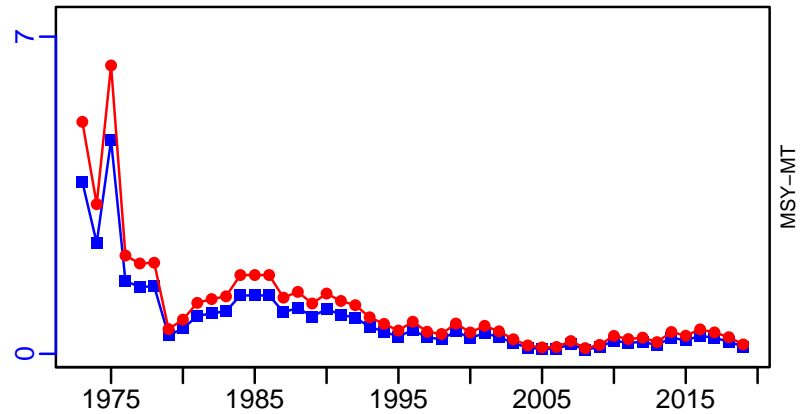


EFFORT*

CPUE-index (1973-2019-SISIMP2021-2)



TC-MT/MSY-MT, CdivMEANC-ratio, (1973-2019-SISIMP2021-2)



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

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

| Metadata | |
|-----------------------------|---|
| Scientific Name | Merluccius bilinearis |
| Current Assess ID | NEFSC-SHAKESGBMATL-1973-2019-SISIMP2021-2 |
| Area | Southern Georges Bank / Mid-Atlantic |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2009, 2013, 2016, 2019 |

| Reference Points | | | |
|------------------|---------------|-----------|--------|
| Type | ID | Asmt Year | Value |
| TBmsy | TBmsy-calc-MT | 2019 | 825 |
| SSBmsy | - | - | - |
| Fmsy | - | - | - |
| ERmsy | ERmsy-ratio | 2019 | 34.2 |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2019 | 28,200 |
| M | - | - | - |
| TBlim | - | - | - |
| SSBlim | - | - | - |
| Flim | - | - | - |
| ERlim | ERlim-ratio | 2019 | 34.2 |

| Time Series | | | | | |
|-------------------|----------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | - | - | - | - | - |
| TN | TN-E00 | 2009 | 1,690,000 | - | - |
| R | - | - | - | - | - |
| F | - | - | - | - | - |
| ER | ER-ratio | 2019 | 1.91 | - | - |
| TC | TC-MT | 2019 | 5400 | | |
| TL | TL-MT | 2009 | 6640 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | ER-ratio/ERmsy-ratio | 2019 | 0.056 | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



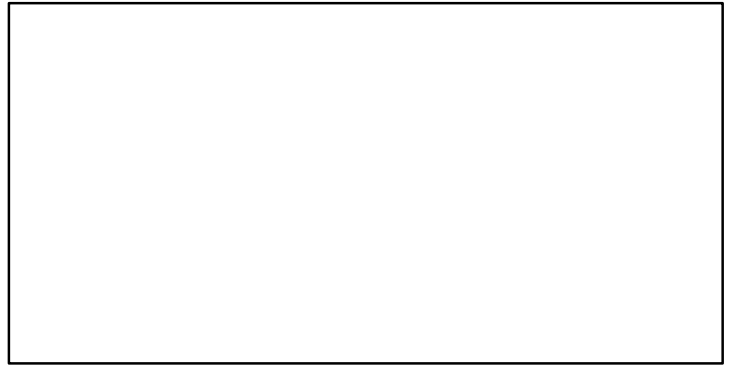
◆ Start Year ◆ End Year * No Data

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

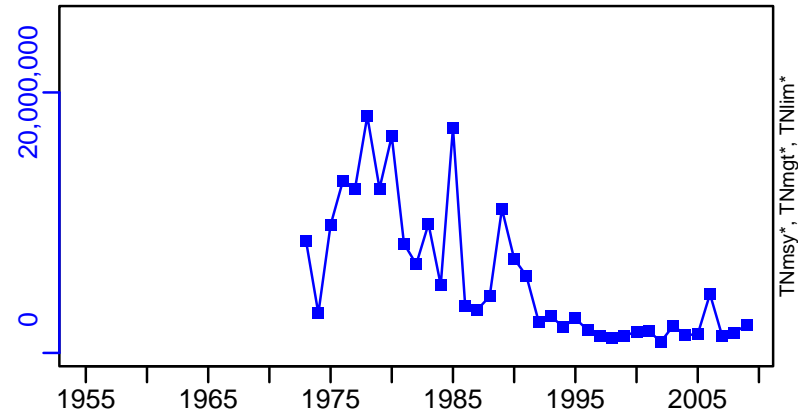
TB*



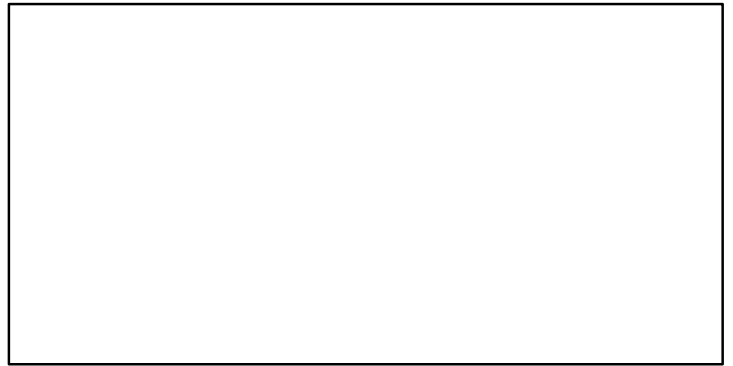
SSB*



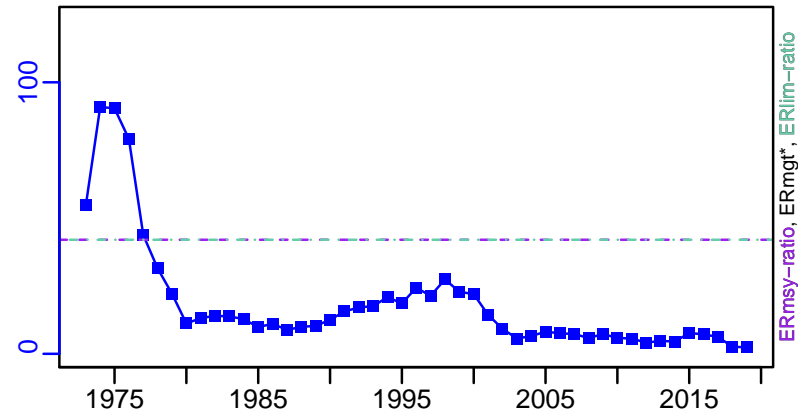
TN-E00 (1955–2009–CHING)



F*



ER-ratio (1973–2019–SISIMP2021–2)

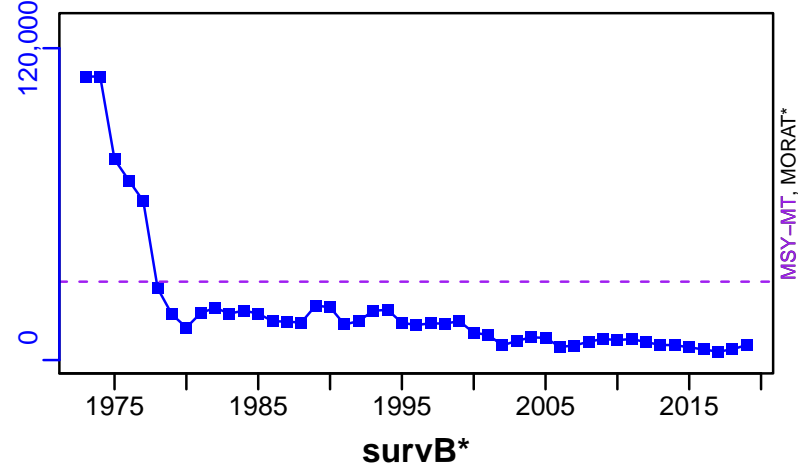


Recruits*



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

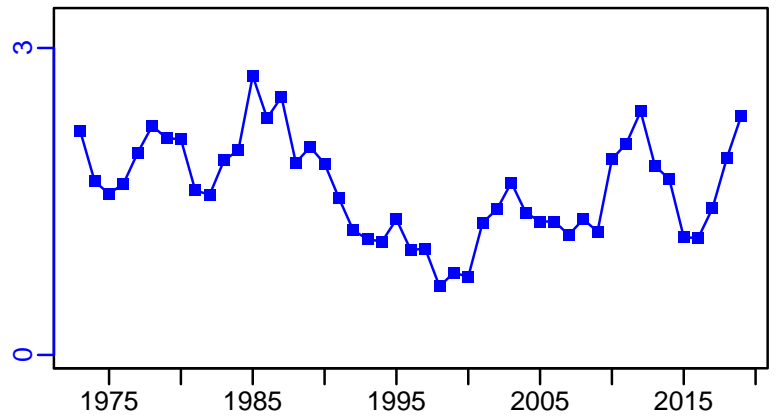
TC-MT, TL*, RecC* (1973-2019-SISIMP2021-2)



TAC*, Cpair*, Cadv*



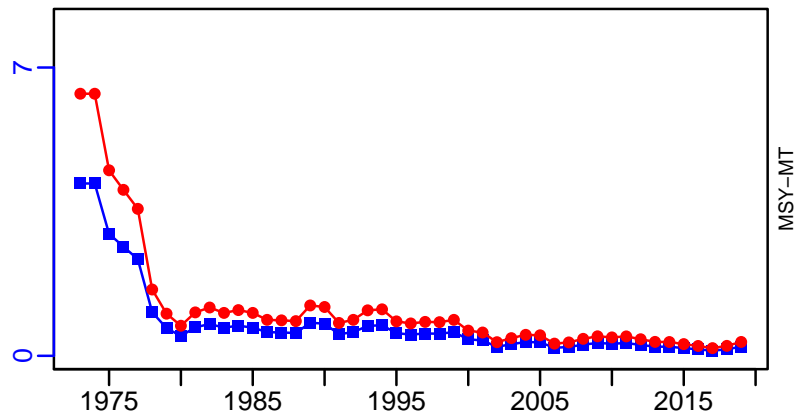
CPUE-index (1973-2019-SISIMP2021-2)



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1973-2019-SISIMP2021-2)



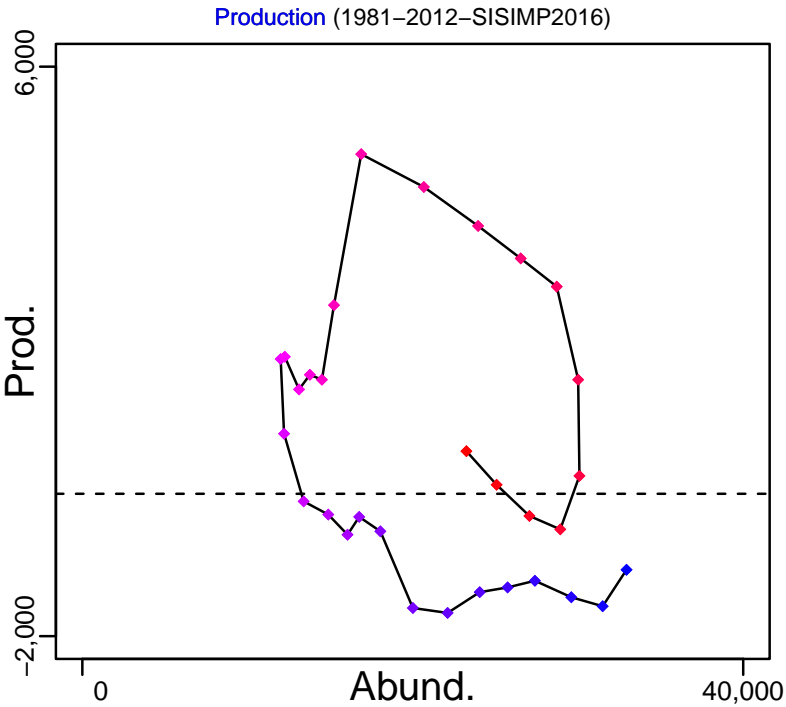
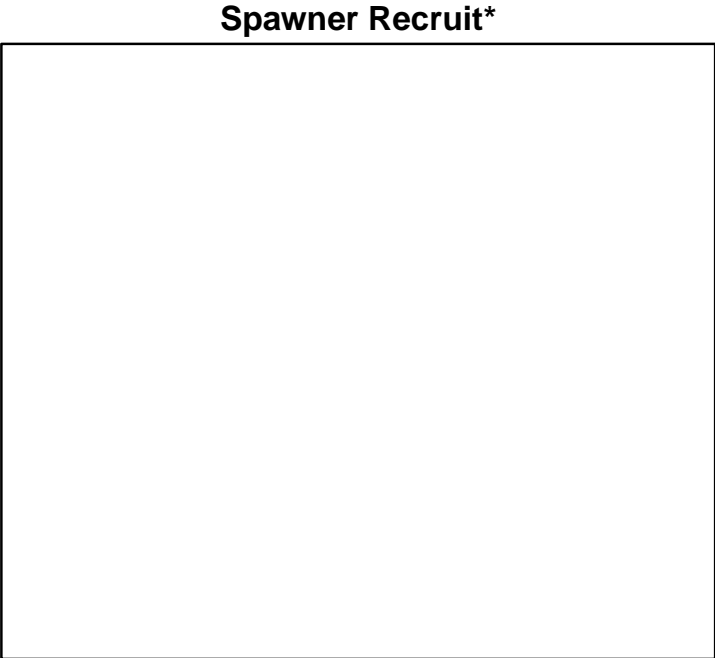
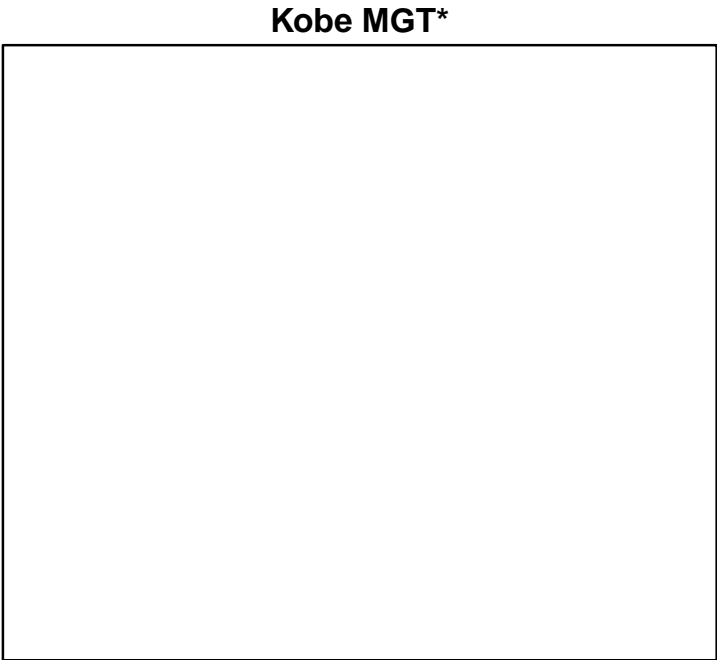
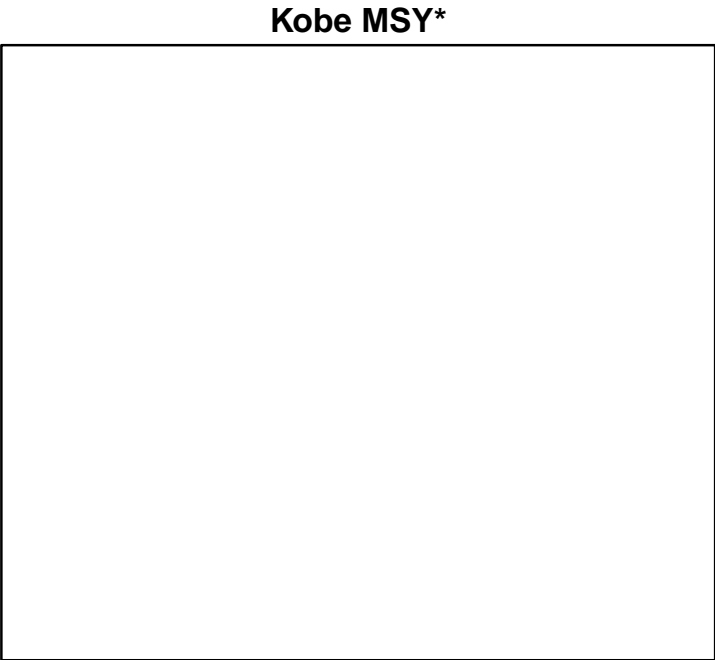
■ 1st listed time series ▲ 3rd listed time series — MORAT
● 2nd listed time series - - - MSY * No Data

Smooth dogfish Atlantic [SMDOGATL]

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

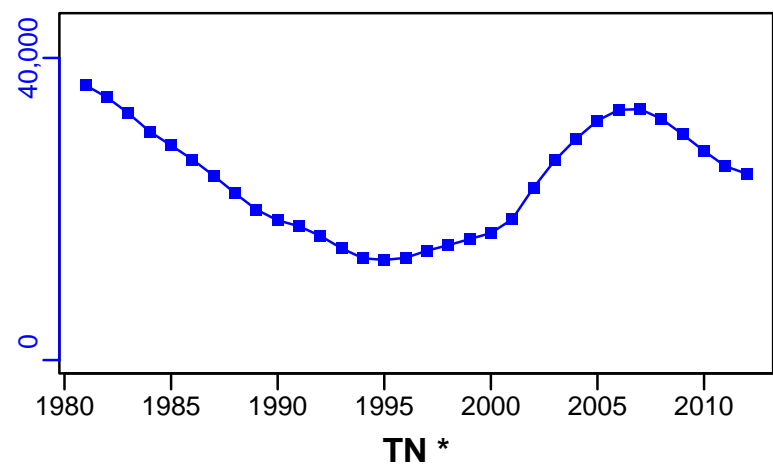
| Reference Points | | | |
|------------------|----------------|-----------|-----------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-E00pups | 2012 | 4,746,000 |
| Fmsy | - | - | - |
| ERmsy | ERmsy-ratio | 2012 | 0.129 |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt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

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

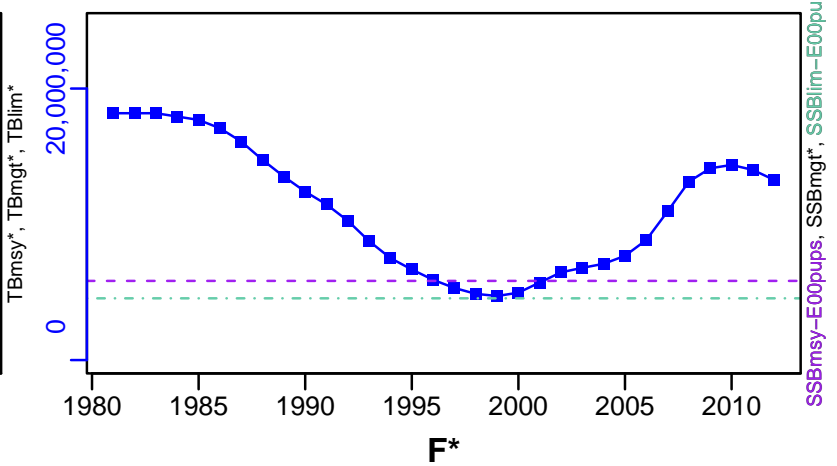


Smooth dogfish Atlantic [SMDOGATL]

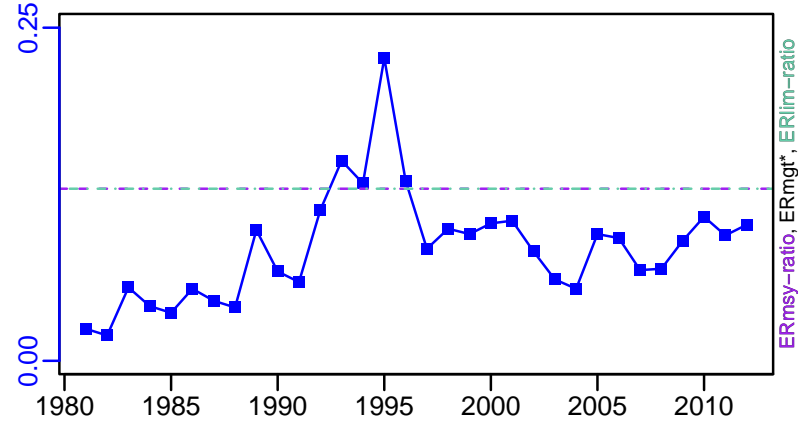
TB-MT (1981–2012–SISIMP2016)



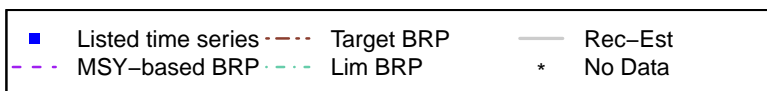
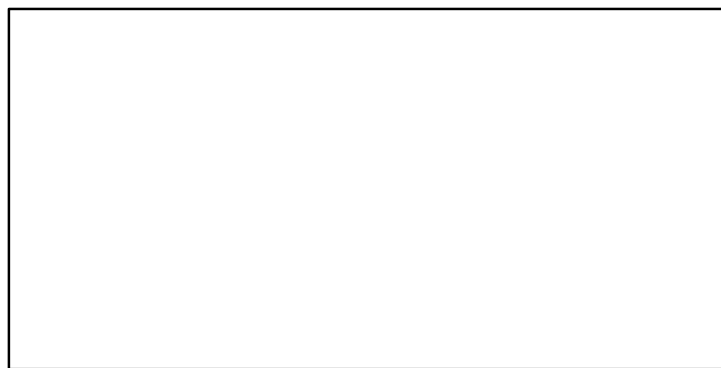
SSB-E00pups (1981–2012–SISIMP2016)



ER-ratio (1981–2012–SISIMP2016)

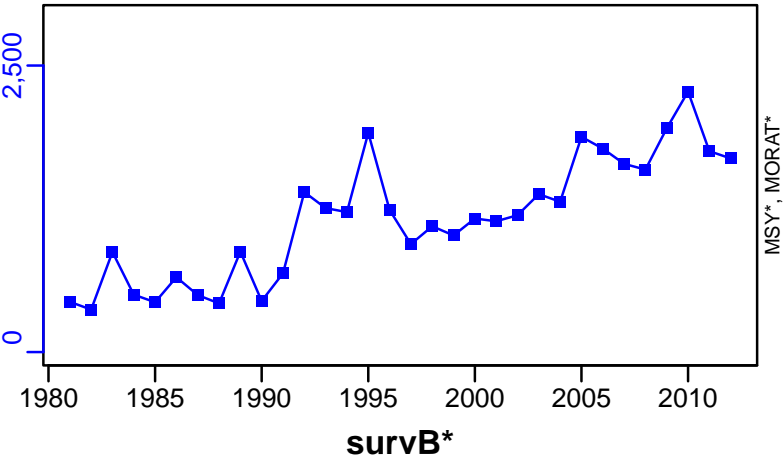


Recruits*



Smooth dogfish Atlantic [SMDOGATL]

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



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



CdivMSY*



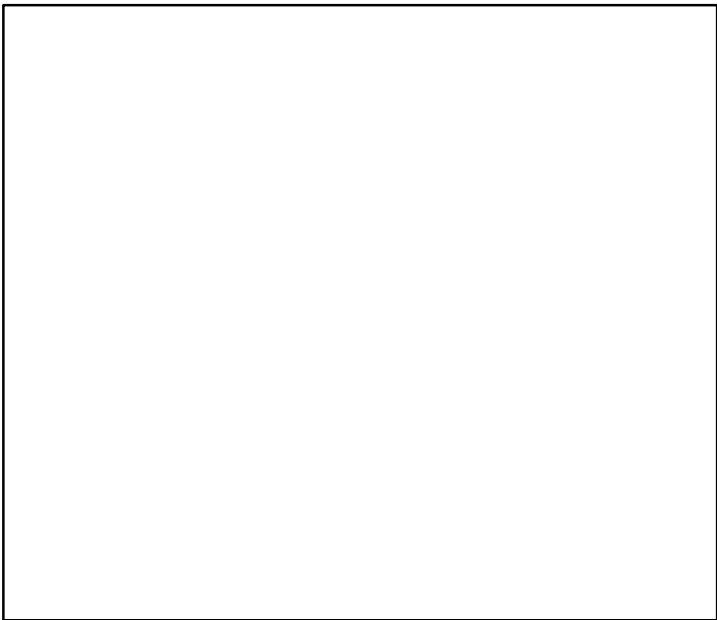
**Smooth skate Gulf of Maine / Georges Bank-Southern New England
[SSKAT5YZSNE]**

| Metadata | |
|-----------------------------|---|
| Scientific Name | Malacoraja senta |
| Current Assess ID | NEFSC-SSKAT5YZSNE-1965-2019-SISIMP2021-2 |
| Area | Gulf of Maine / Georges Bank-Southern New England |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2005, 2018, 2019 |

| 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 | 2019 | 339 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

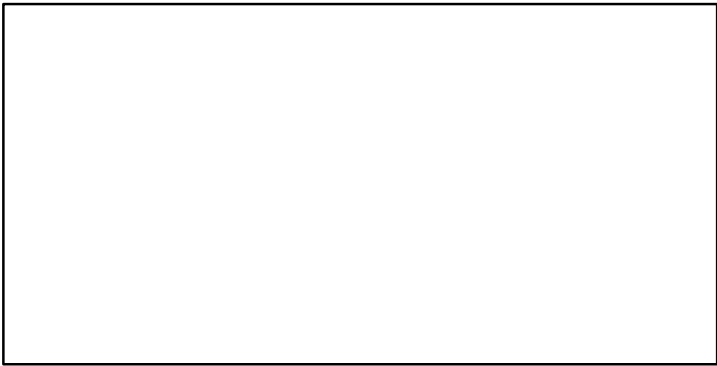
TB*



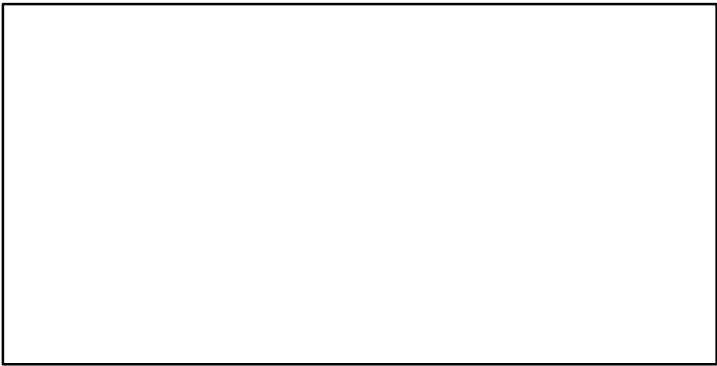
SSB*



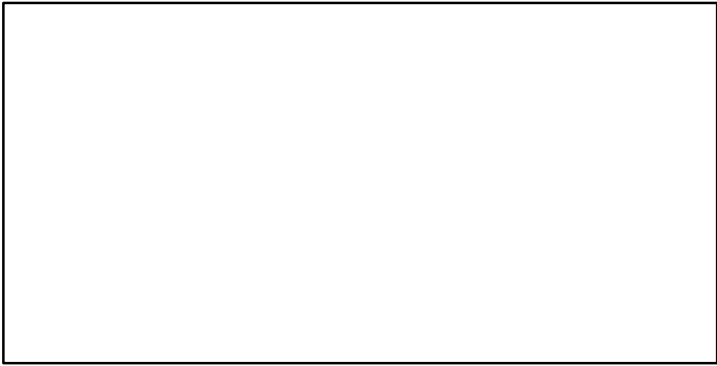
TN *



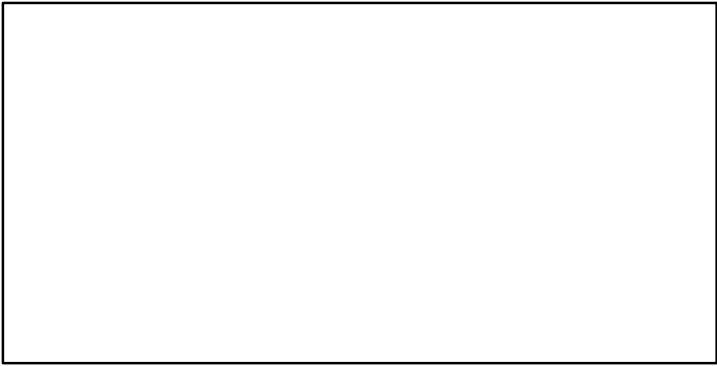
F*



ER*



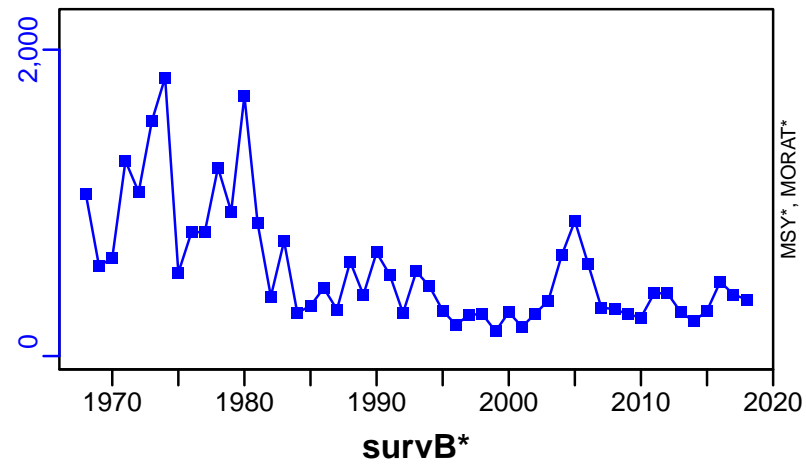
Recruits*



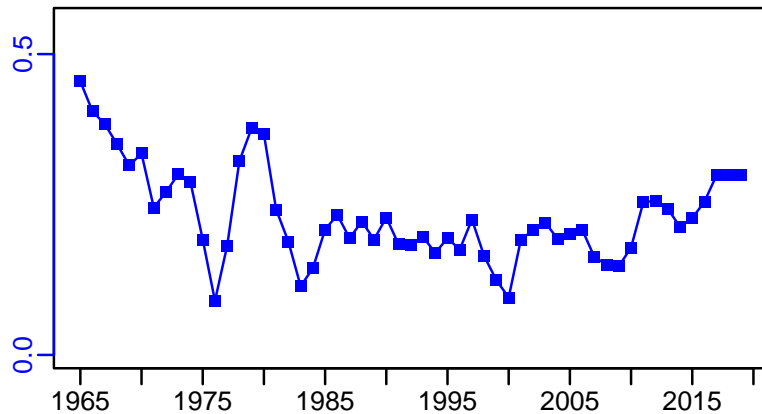
Smooth skate Gulf of Maine / Georges Bank–Southern New England [SSKAT5YZSNE]

TC–MT, TL*, RecC* (1965–2019–SISIMP2021–2)

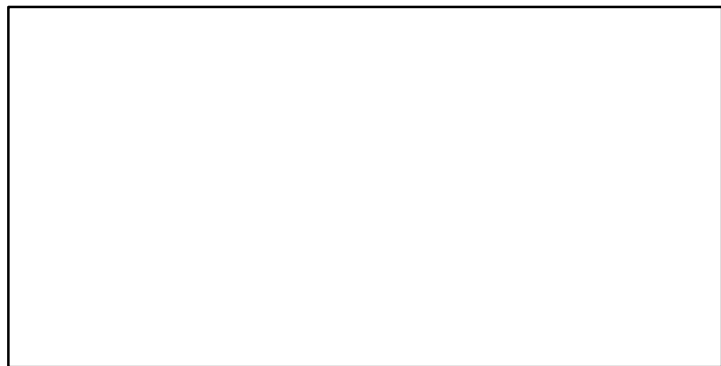
TAC*, Cpair*, Cadv*



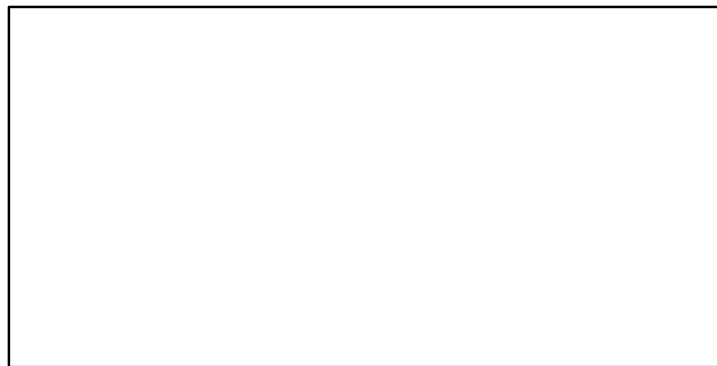
CPUE–index (1965–2019–SISIMP2021–2)



EFFORT*



CdivMSY*



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

Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]

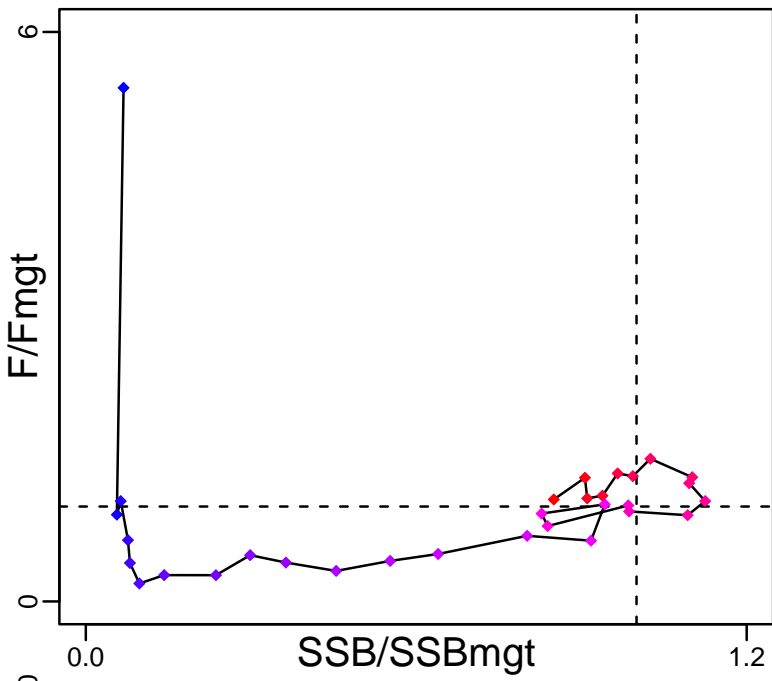
| Metadata | |
|-----------------------------|---|
| Scientific Name | Morone saxatilis |
| Current Assess ID | NEFSC-STRIPEDBASSGOMCHATT-1981-2012-HIVELY |
| Area | Gulf of Maine / Cape Hatteras |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast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

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

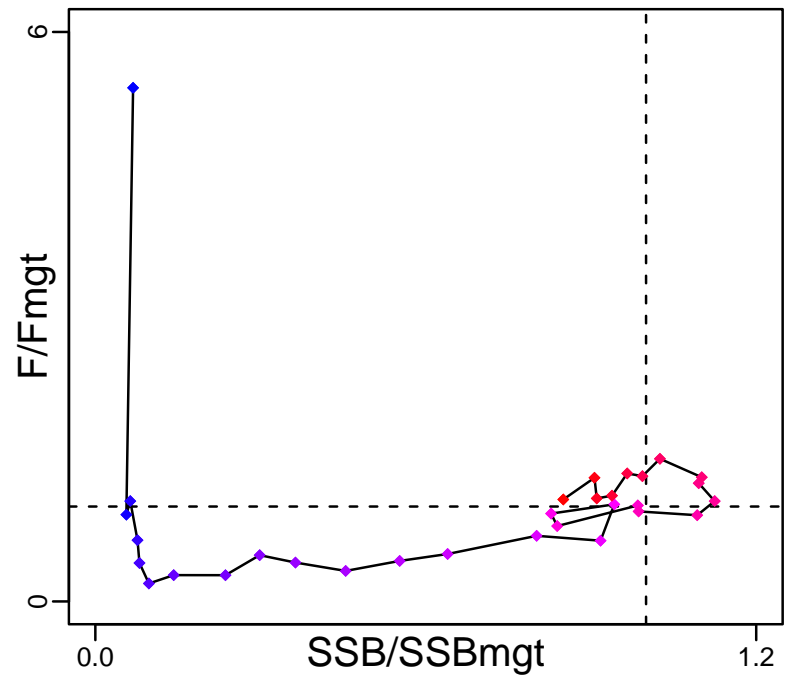
| Time Series | | | | | |
|-------------------|------------------|-----------|--------------------|---------|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2012 | 61,500 | Females | 4+ |
| TN | TN-E00 | 2012 | 2.15×10^8 | - | - |
| R | R-E00 | 2012 | 1.44×10^8 | - | 1 |
| F | F-1/yr | 2012 | 0.188 | - | - |
| ER | ER-calc-ratio | 2012 | 0.017 | - | - |
| TC | TC-E00 | 2012 | 3,600,000 | | |
| TL | TL-MT | 2012 | 3080 | | |
| 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 | 1.074 | | |
| ER/ERmgt | - | - | - | | |

Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]

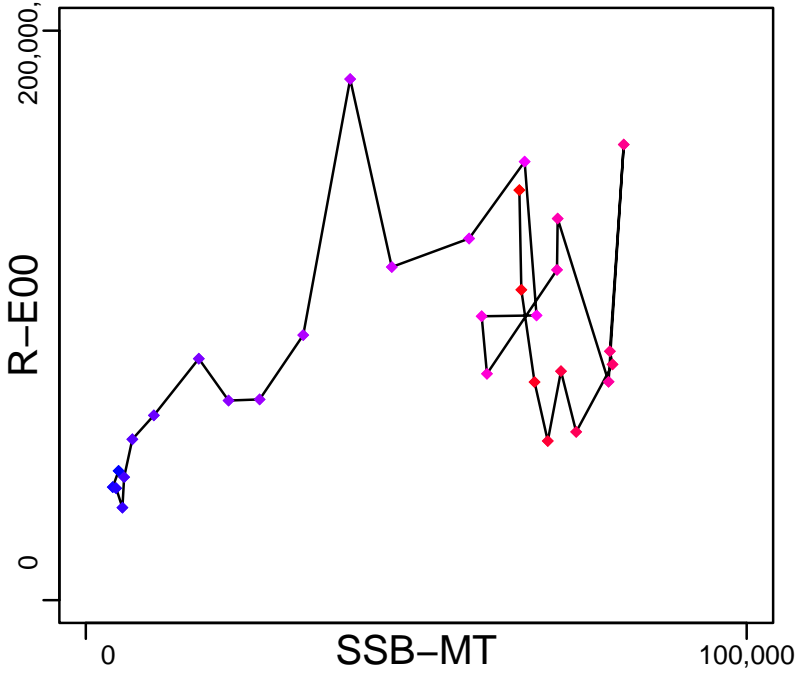
Kobe MSYpref (1981–2012–HIVELY)



Kobe MGTpref (1981–2012–HIVELY)



Spawner Recruit (1981–2012–HIVELY)



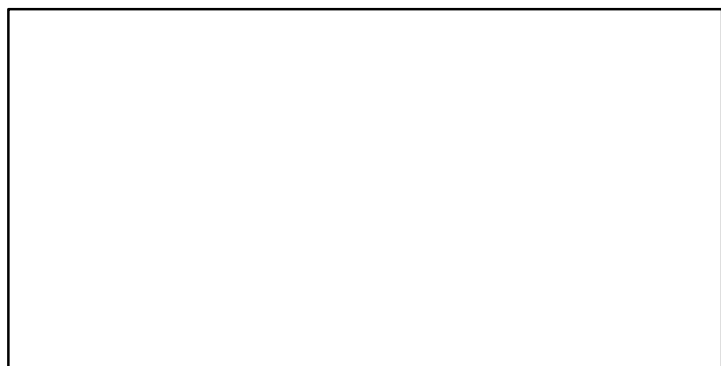
Production*



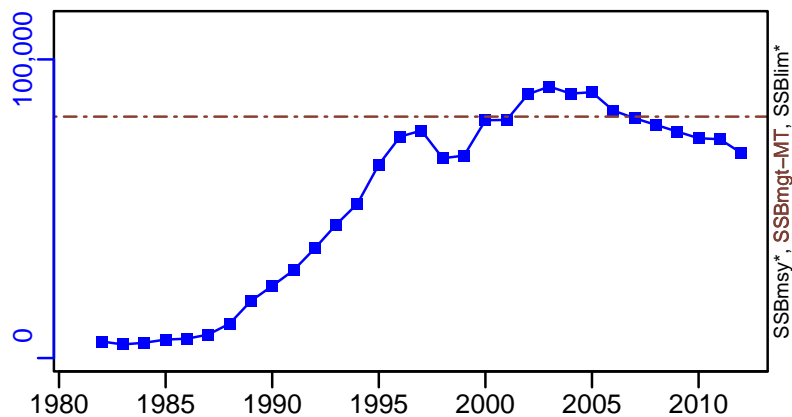
◆ Start Year ◆ End Year * No Data

Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]

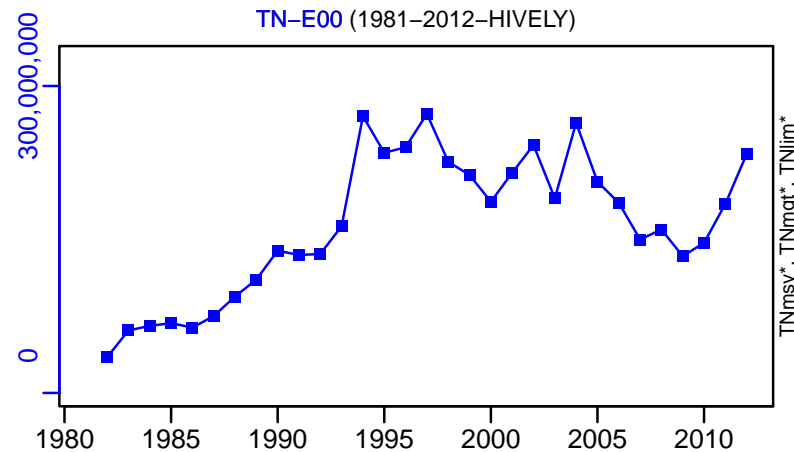
TB*



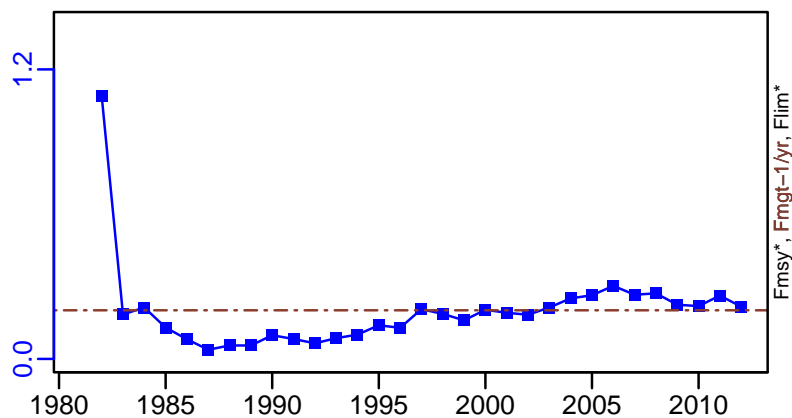
SSB-MT (1981-2012-HIVELY)



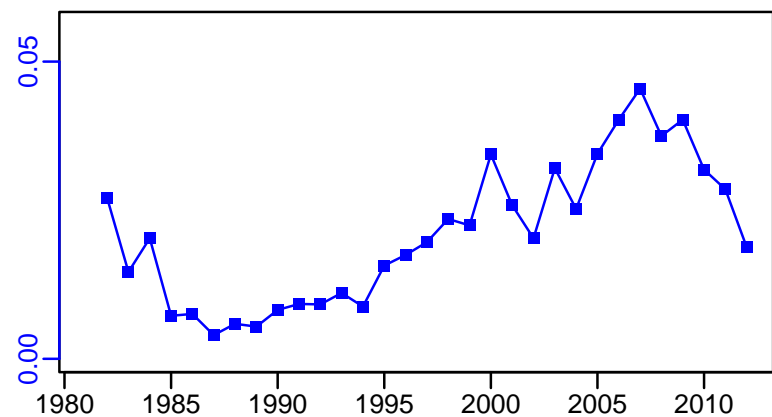
TN-E00 (1981-2012-HIVELY)



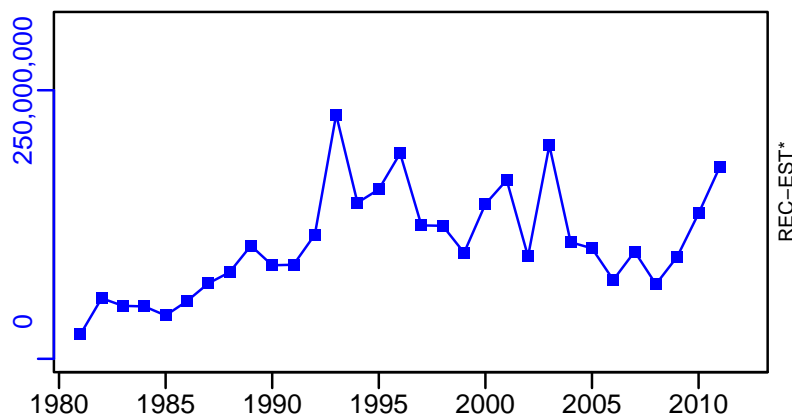
F-1/yr (1981-2012-HIVELY)



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



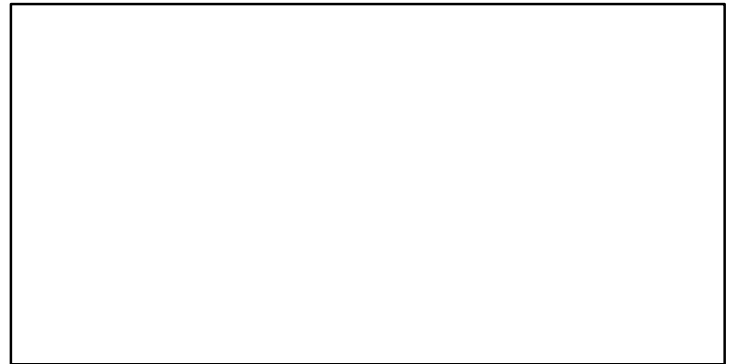
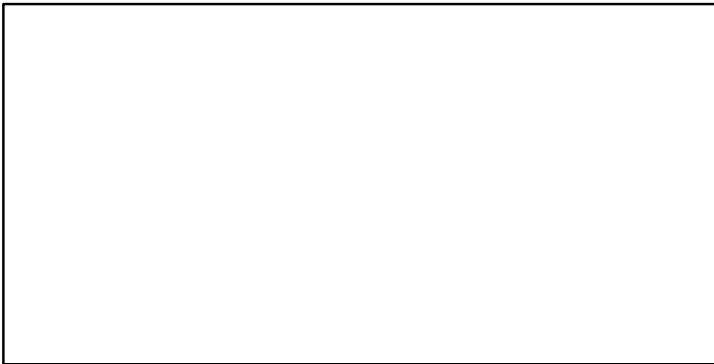
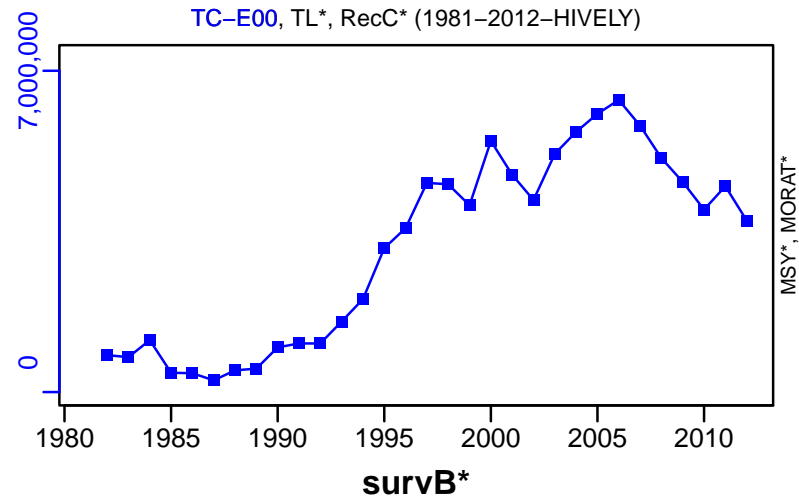
R-E00 (1981-2012-HIVELY)



Striped bass Gulf of Maine / Cape Hatteras [STRIPEDBASSGOMCHATT]

TC-E00, TL*, RecC* (1981–2012–HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*

CdivMSY*



Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]

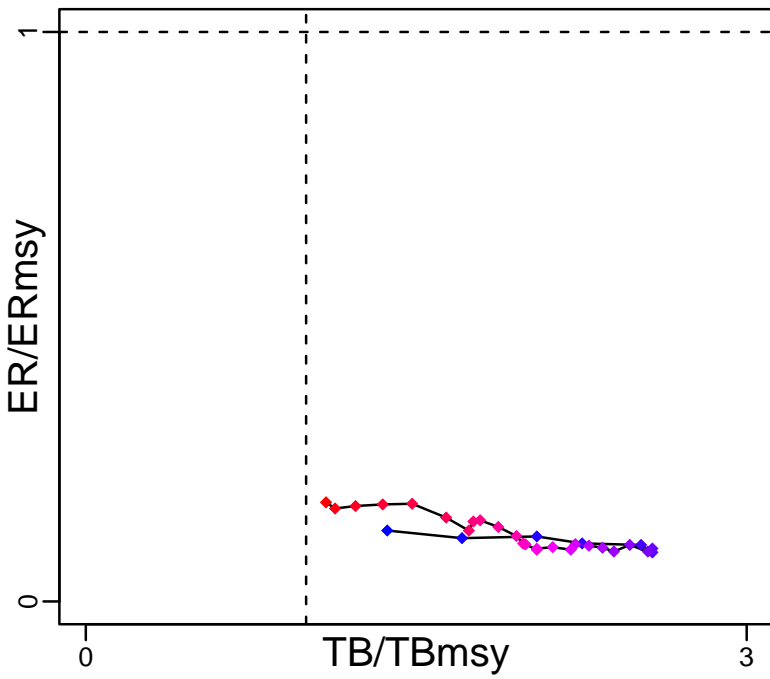
| Metadata | |
|-----------------------------|---|
| Scientific Name | Spisula solidissima |
| Current Assess ID | NEFSC-SURFMATLC-1965-2015-SISIMP2021 |
| Area | Mid-Atlantic Coast |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2008, 2015, 2011 |

| Reference Points | | | |
|------------------|------------------|-----------|---------|
| Type | ID | Asmt Year | Value |
| TBmsy | TBmsy-MT | 2011 | 972,000 |
| SSBmsy | - | - | - |
| Fmsy | Fmsy-1/yr | 2011 | 0.15 |
| ERmsy | ERmsy-calc-ratio | 2011 | 0.101 |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2011 | 98,000 |
| M | M-1/yr | 2008 | 0.15 |
| TBlim | TBlim-MT | 2011 | 486,000 |
| SSBlim | - | - | - |
| Flim | Flim-1/yr | 2011 | 0.15 |
| ERlim | - | - | - |

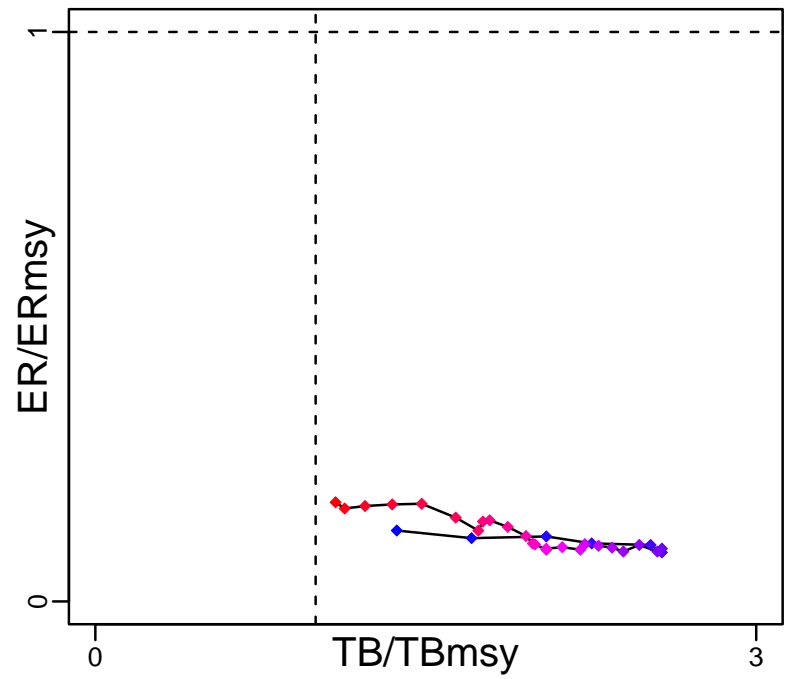
| Time Series | | | | | |
|-------------------|--------------------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2011 | 1,060,000 | - | - |
| SSB | - | - | - | - | - |
| TN | - | - | - | - | - |
| R | R-MT | 2011 | 2,090,000 | - | - |
| F | F-1/yr | 2011 | 0.027 | - | - |
| ER | ER-calc-ratio | 2011 | 0.018 | - | - |
| TC | TC-MT | 2015 | 18,284 | | |
| TL | TL-MT | 2008 | 22,500 | | |
| TB/TBmsy | TB-MT/TBmsy-MT | 2011 | 1.091 | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2011 | 0.18 | | |
| ER/ERmsy | ER-calc-ratio/ERmsy-calc-ratio | 2011 | 0.174 | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]

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



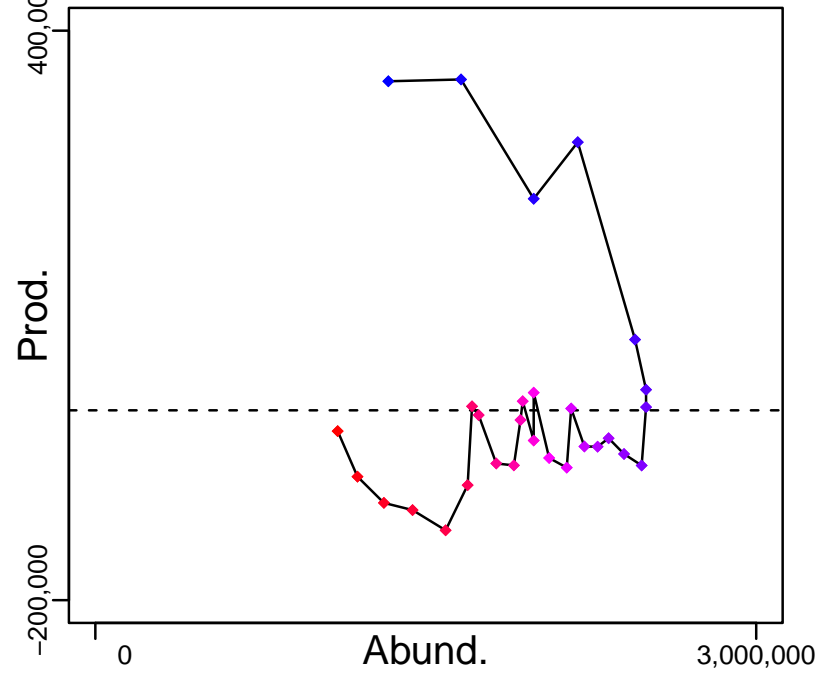
Kobe MGT_{pref} (1982–2011–SISIMP2016)



Spawner Recruit*



Production (1982–2011–SISIMP2016)

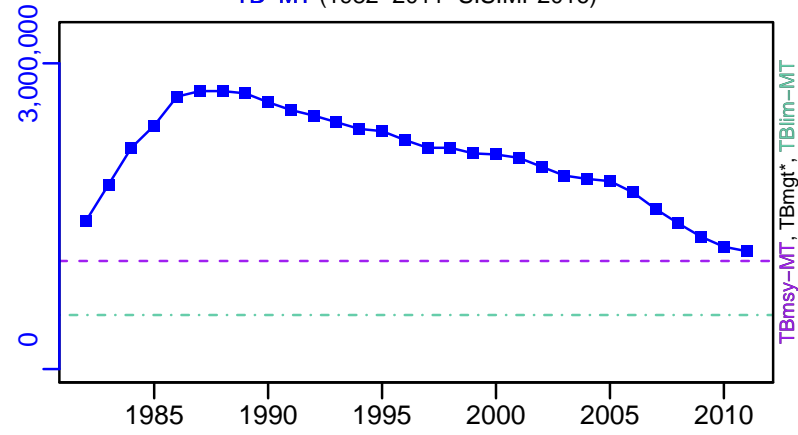


◆ Start Year ◆ End Year * No Data

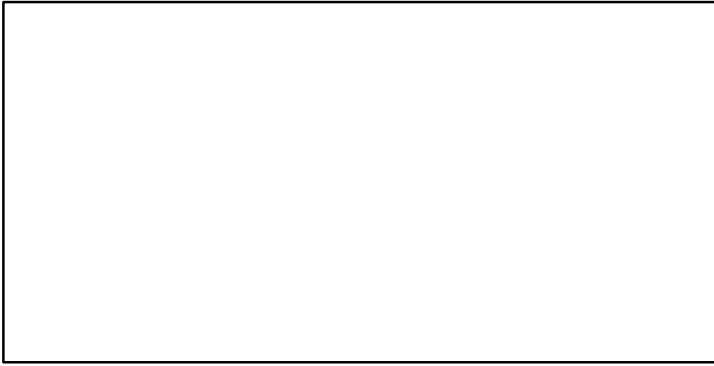
Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]

TB-MT (1982-2011-SISIMP2016)

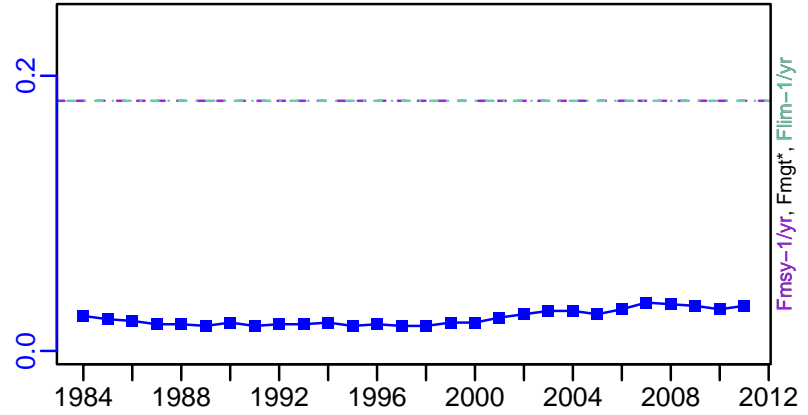
SSB*



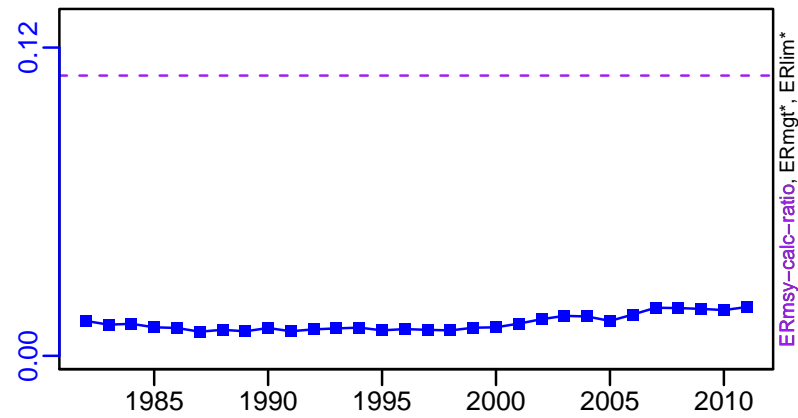
TN *



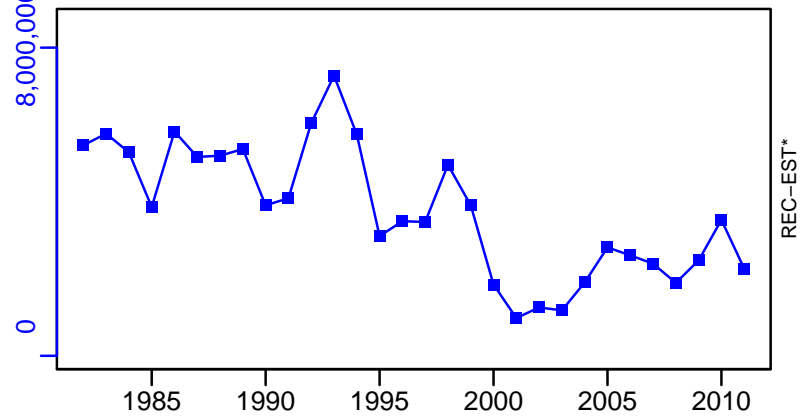
F-1/yr (1982-2011-SISIMP2016)



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

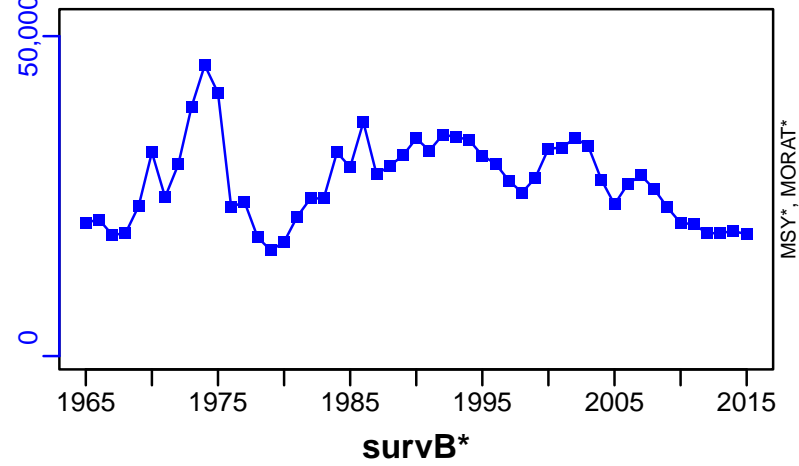


R-MT (1982-2011-SISIMP2016)



Atlantic surfclam Mid-Atlantic Coast [SURFMATLC]

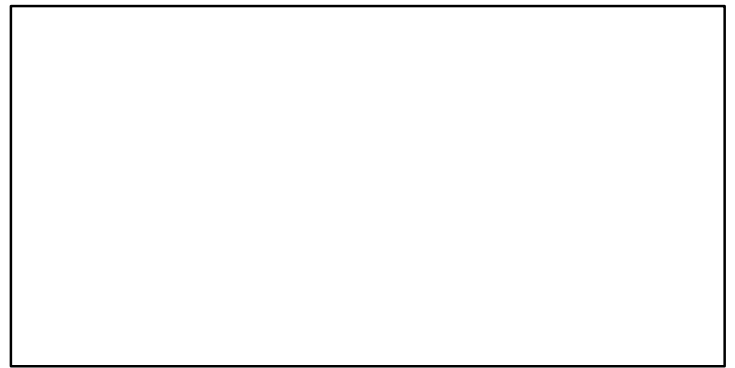
TC-MT, TL*, RecC* (1965-2015-SISIMP2021)



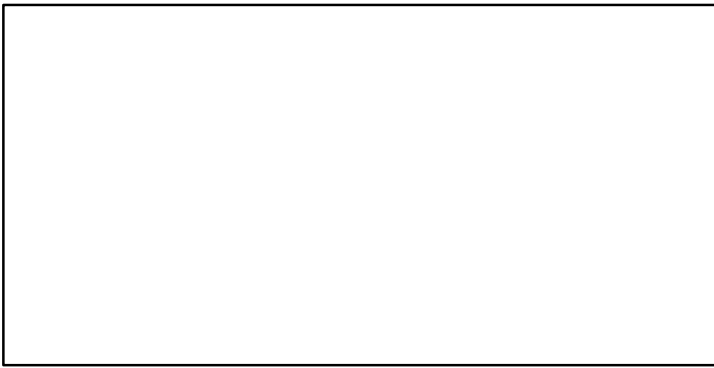
TAC*, Cpair*, Cadv*



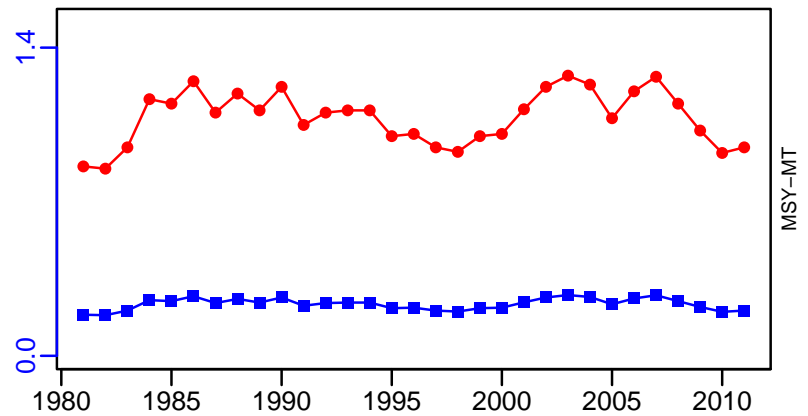
CPUE*



EFFORT*



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



Tilefish Mid-Atlantic Coast [TILEMATLC]

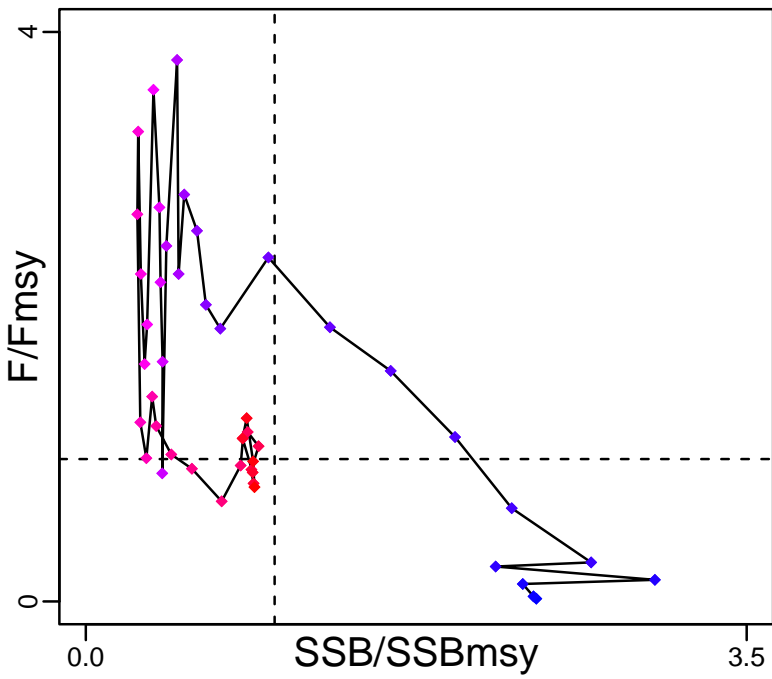
| Metadata | |
|-----------------------------|---|
| Scientific Name | Lopholatilus chamaeleonticeps |
| Current Assess ID | NEFSC-TILEMATLC-1970-2016-SISIMP2021 |
| Area | Mid-Atlantic Coast |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2012, 2016 |

| Reference Points | | | |
|------------------|-----------|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2016 | 9492 |
| Fmsy | Fmsy-1/yr | 2016 | 0.31 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2012 | 1029 |
| M | - | - | - |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2016 | 4746 |
| Flim | Flim-1/yr | 2016 | 0.31 |
| ERlim | - | - | - |

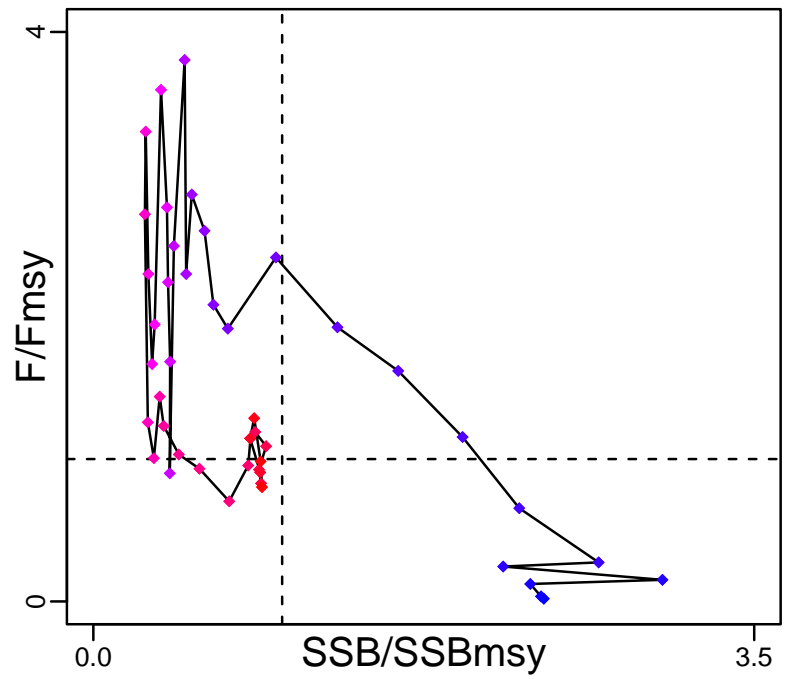
| Time Series | | | | | |
|-------------|------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2016 | 8479 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2016 | 1,184,000 | - | 1 |
| F | F-1/yr | 2016 | 0.249 | - | - |
| ER | - | - | - | - | - |
| TC | TC-MT | 2016 | 502 | | |
| TL | TL-MT | 2012 | 834 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2016 | 0.893 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2016 | 0.803 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Tilefish Mid-Atlantic Coast [TILEMATLC]

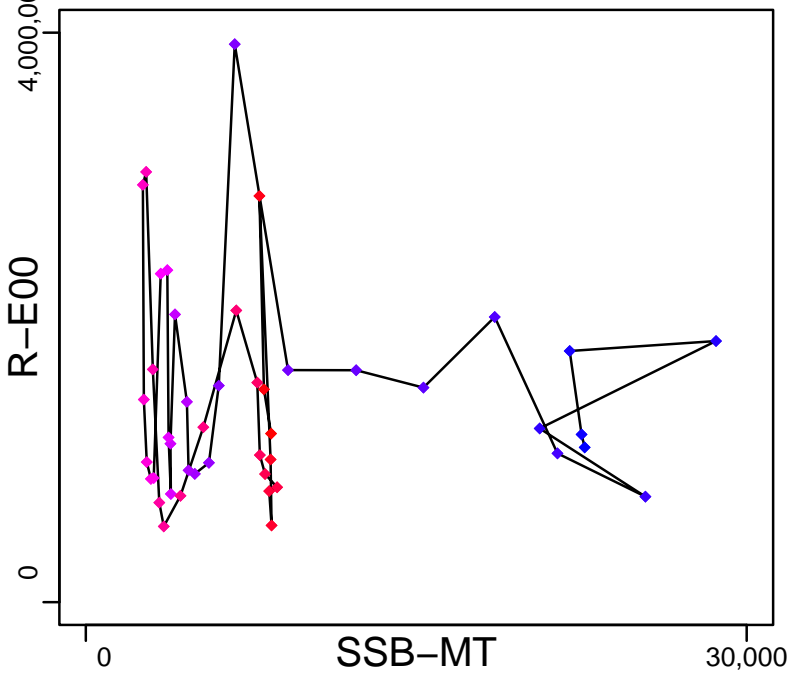
Kobe MSYpref (1970–2016–SISIMP2021)



Kobe MGTpref (1970–2016–SISIMP2021)



Spawner Recruit (1970–2016–SISIMP2021)



Production*



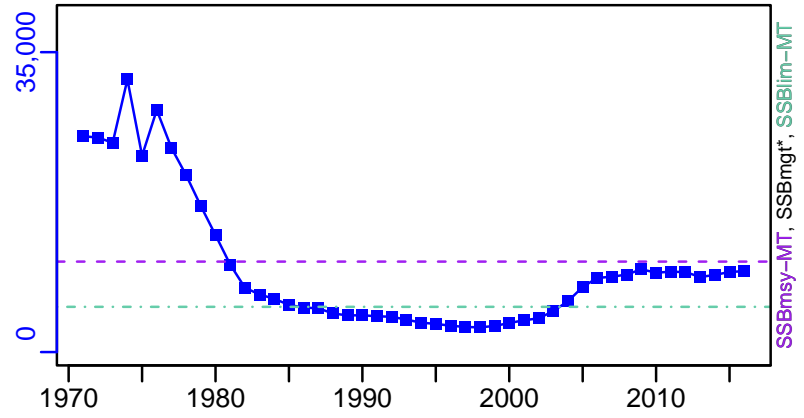
◆ Start Year ◆ End Year * No Data

Tilefish Mid-Atlantic Coast [TILEMATLC]

TB*



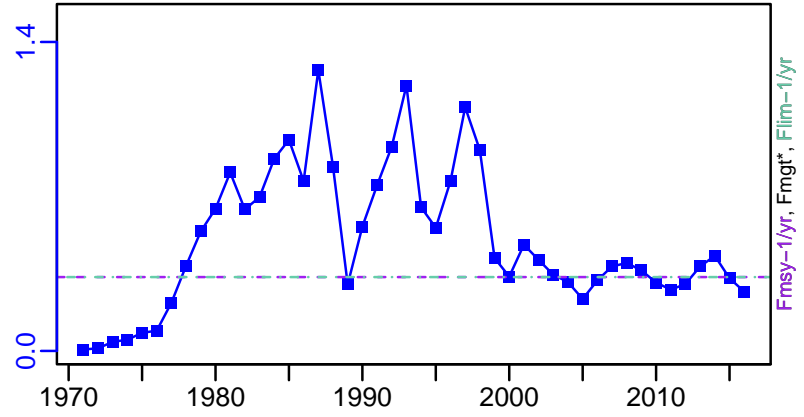
SSB-MT (1970–2016–SISIMP2021)



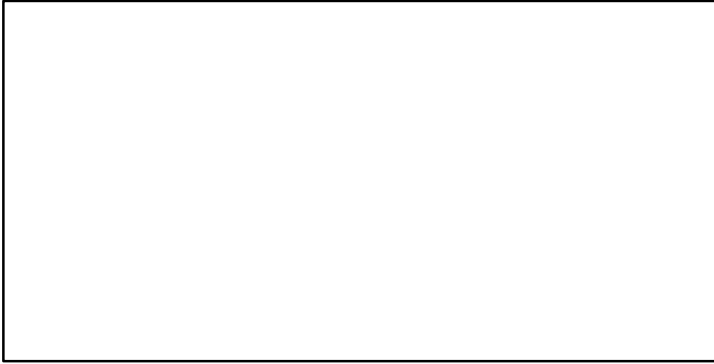
TN *



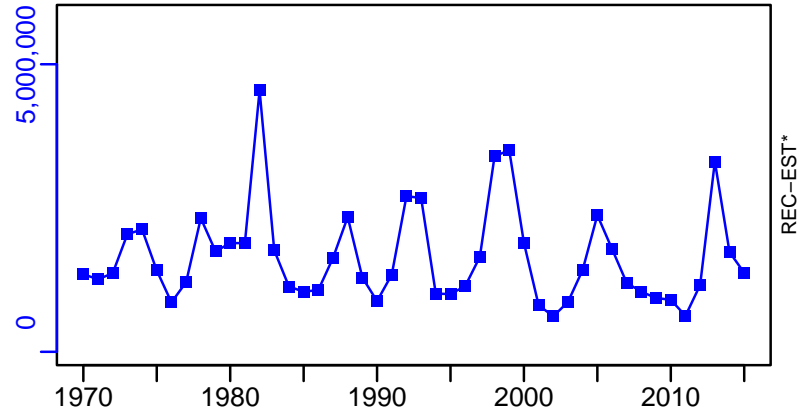
F-1/yr (1970–2016–SISIMP2021)



ER*



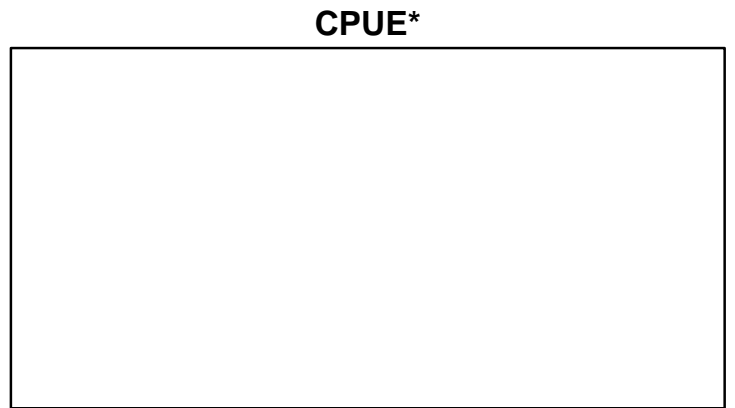
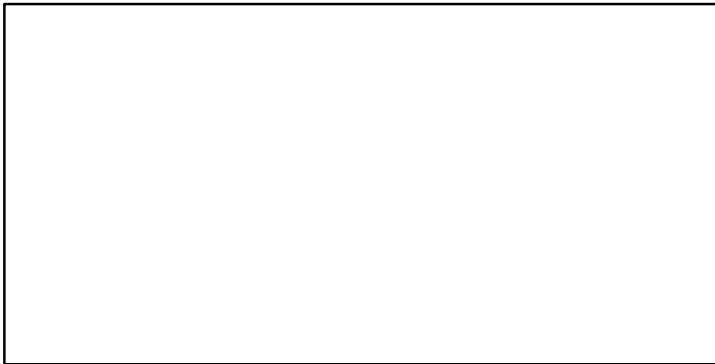
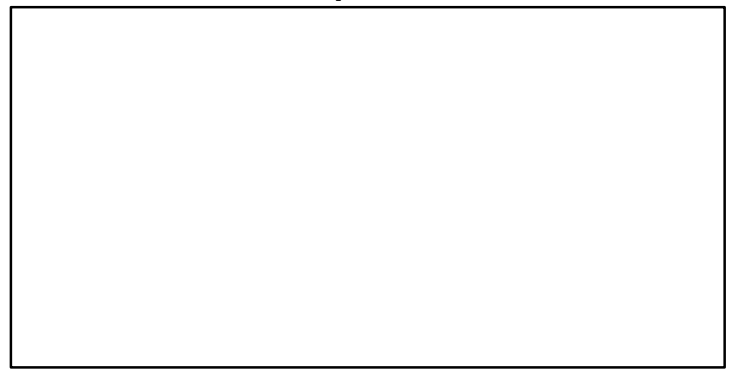
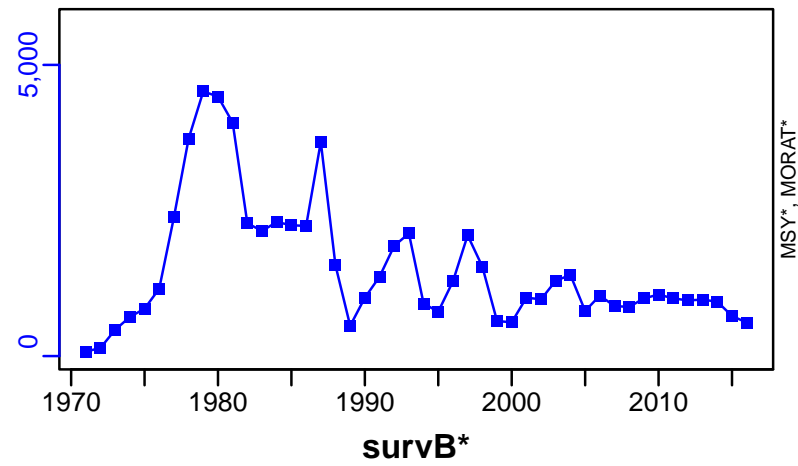
R-E00 (1970–2016–SISIMP2021)



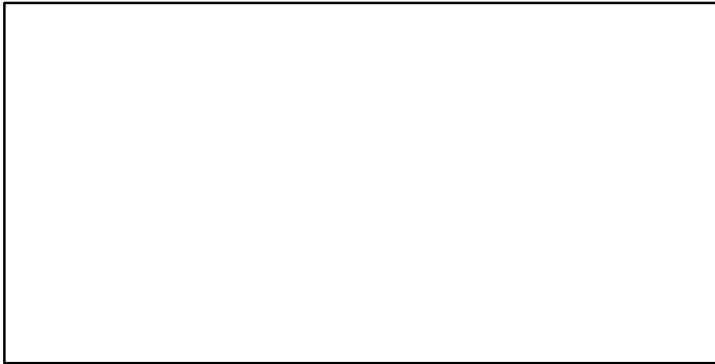
Tilefish Mid-Atlantic Coast [TILEMATLC]

TC-MT, TL*, RecC* (1970-2016-SISIMP2021)

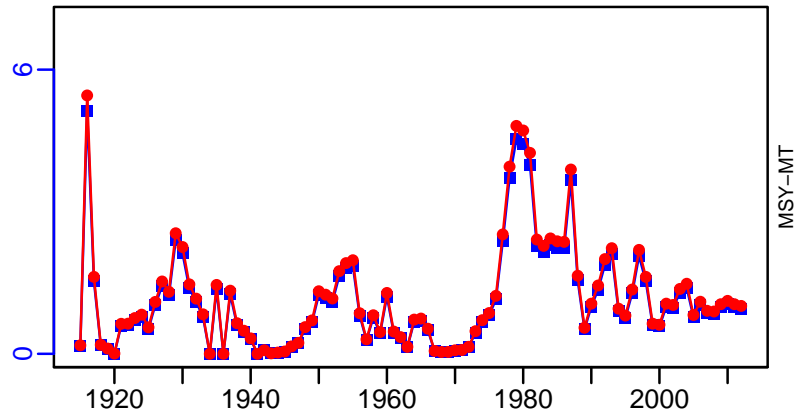
TAC*, Cpair*, Cadv*



EFFORT*



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



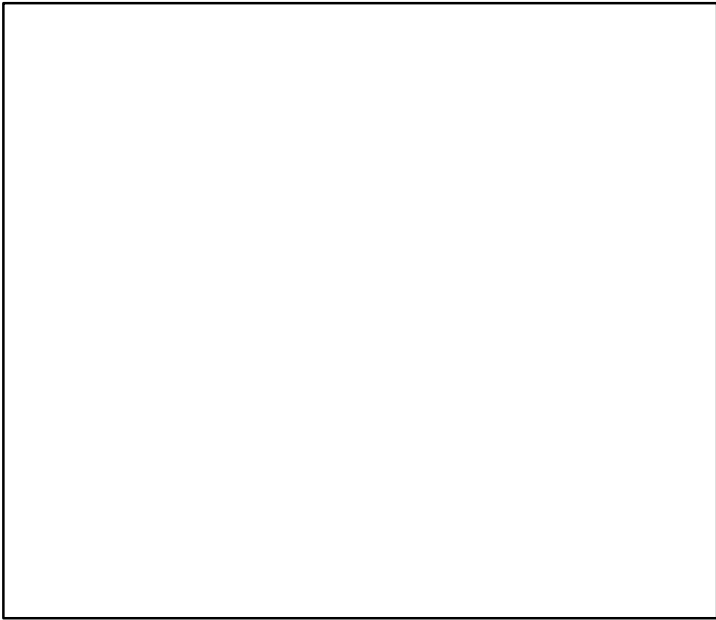
**Thorny skate Gulf of Maine / Georges Bank-Southern New England
[TSKAT5YZSNE]**

| Metadata | |
|-----------------------------|---|
| Scientific Name | Amblyraja radiata |
| Current Assess ID | NEFSC-TSKAT5YZSNE-1965-2019-SISIMP2021-2 |
| Area | Gulf of Maine / Georges Bank-Southern New England |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2005, 2018, 2019 |

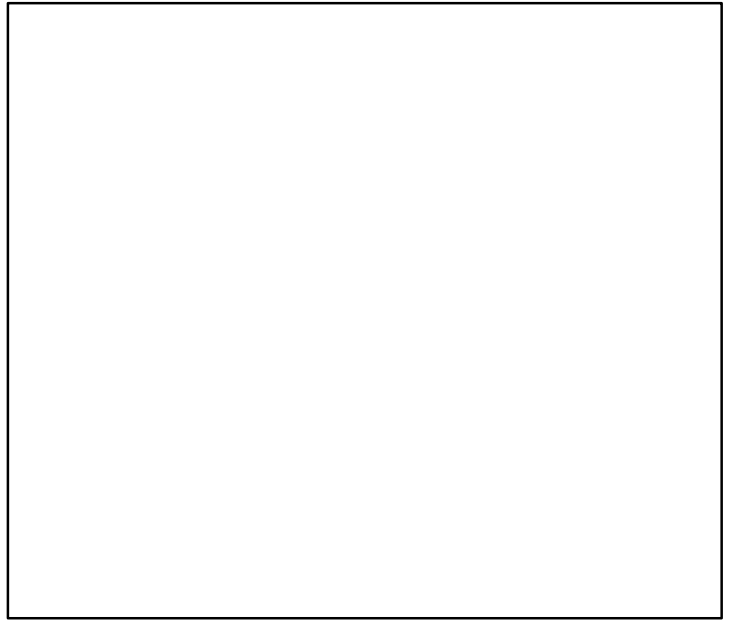
| Reference Points | | | |
|------------------|----|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | - | - | - |
| Fmsy | - | - | - |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| 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 | 2019 | 167 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

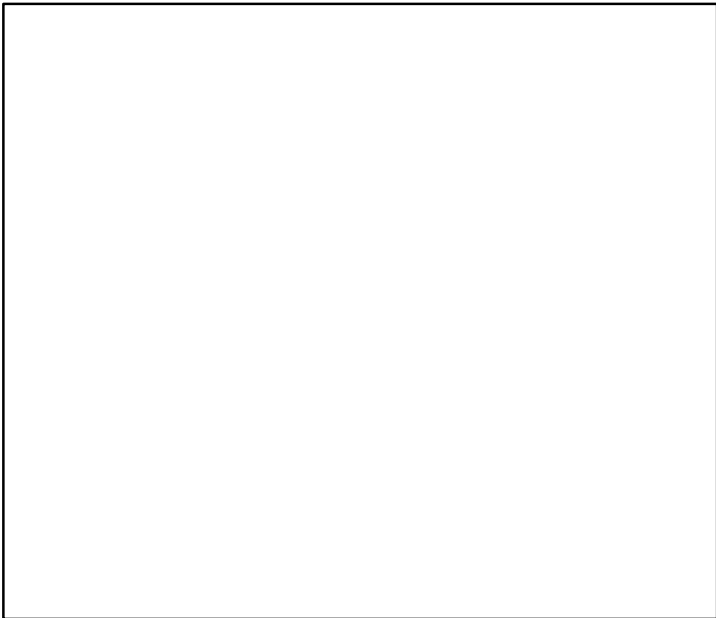
Kobe MSY*



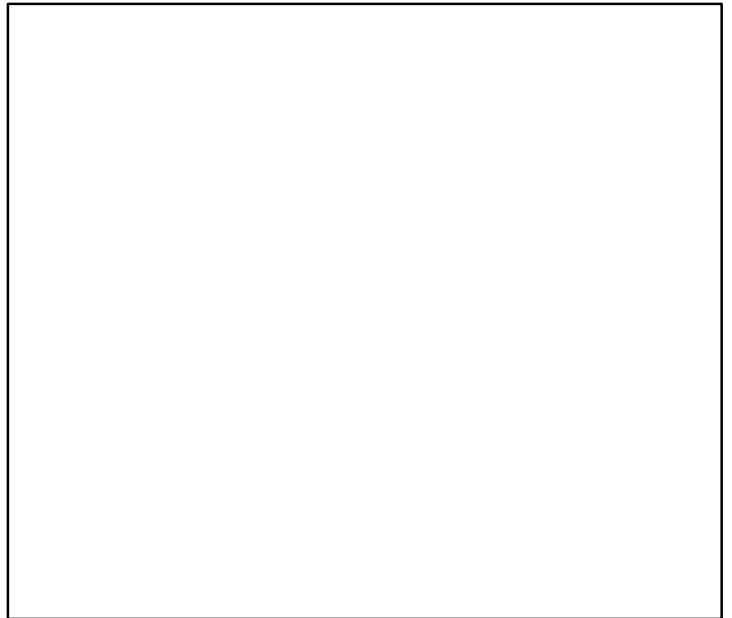
Kobe MGT*



Spawner Recruit*



Production*



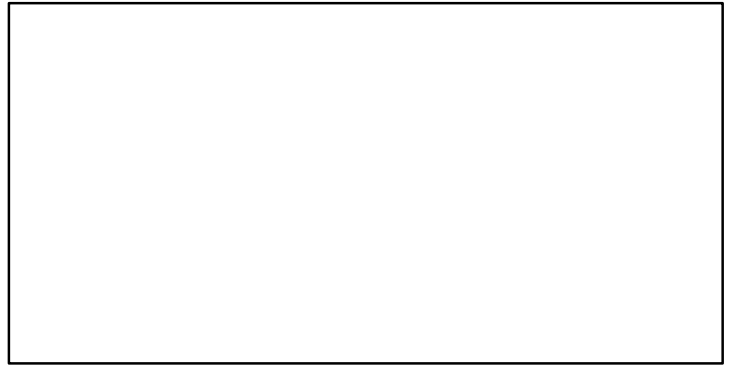
◆ Start Year ◆ End Year * No Data

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

TB*



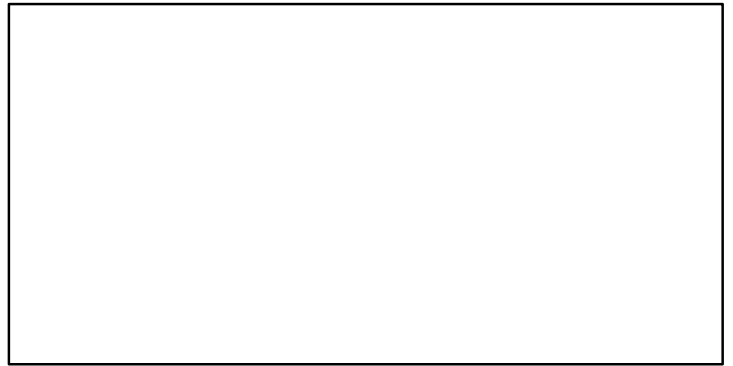
SSB*



TN *



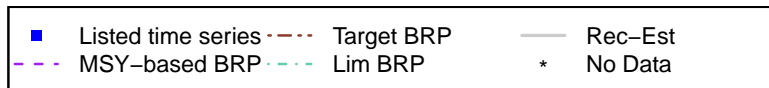
F*



ER*



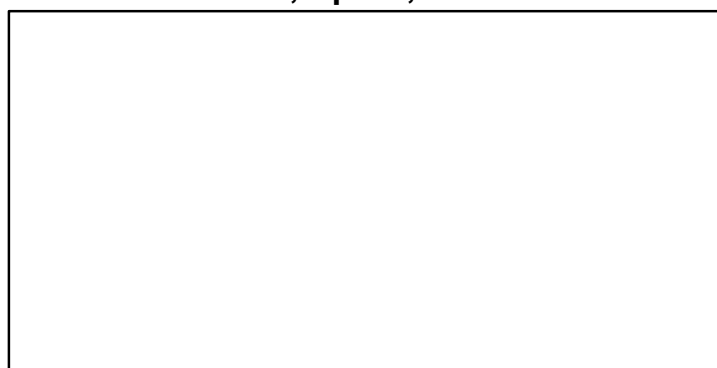
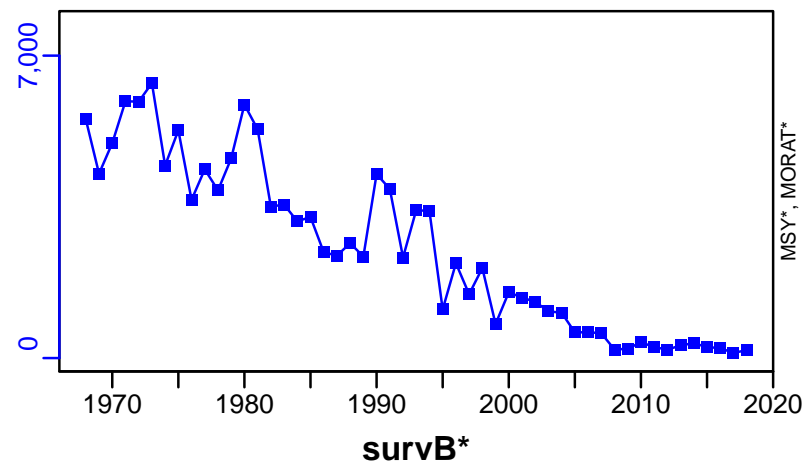
Recruits*



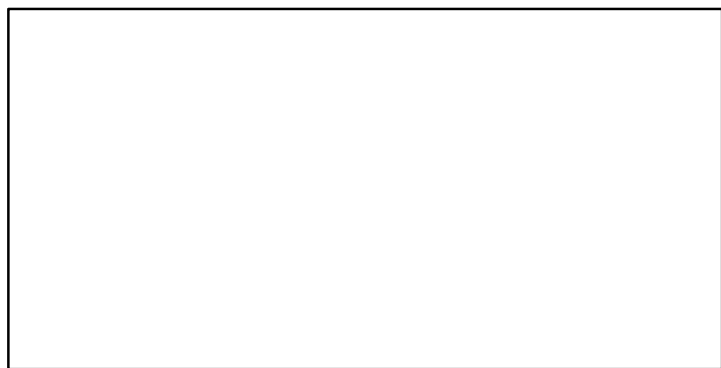
Thorny skate Gulf of Maine / Georges Bank–Southern New England [TSKAT5YZSNE]

TC–MT, TL*, RecC* (1965–2019–SISIMP2021–2)

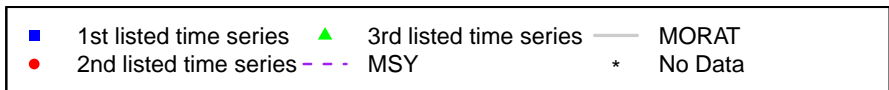
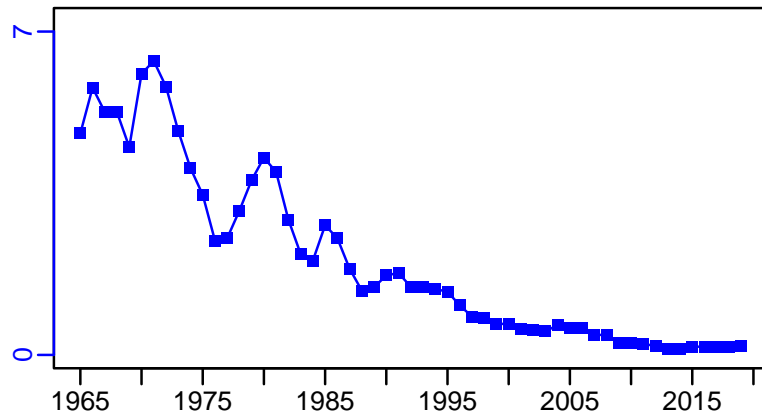
TAC*, Cpair*, Cadv*



EFFORT*



CPUE–index (1965–2019–SISIMP2021–2)



Weakfish Atlantic Coast [WEAKFISHATLC]

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

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

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

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



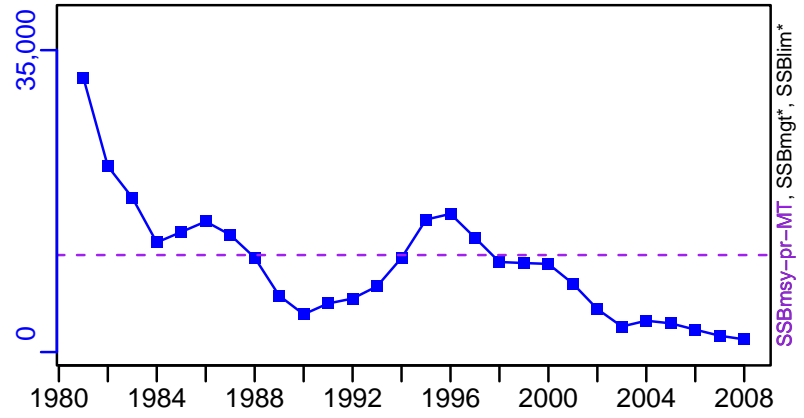
| | | |
|--------------|------------|-----------|
| ◆ Start Year | ◆ End Year | * No Data |
|--------------|------------|-----------|

Weakfish Atlantic Coast [WEAKFISHATLC]

TB*



SSB-MT (1981-2008-STANTON)



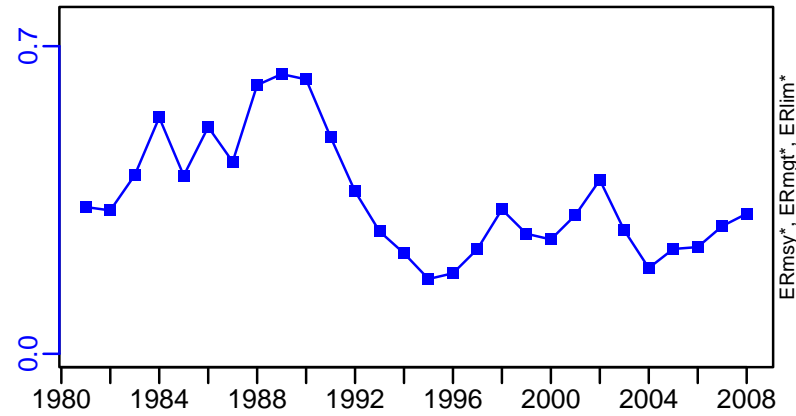
TN *



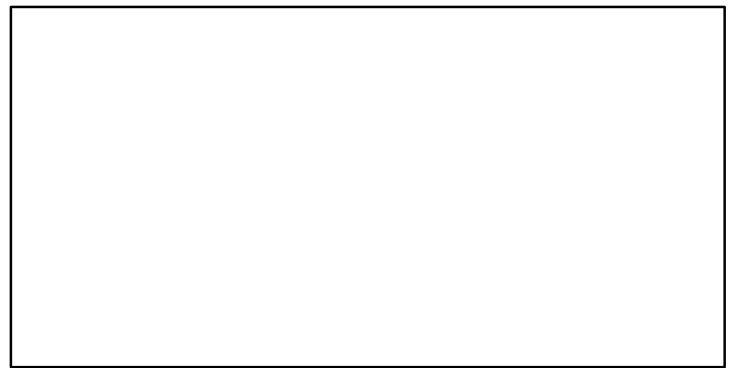
F*



ER-ratio (1981-2008-STANTON)

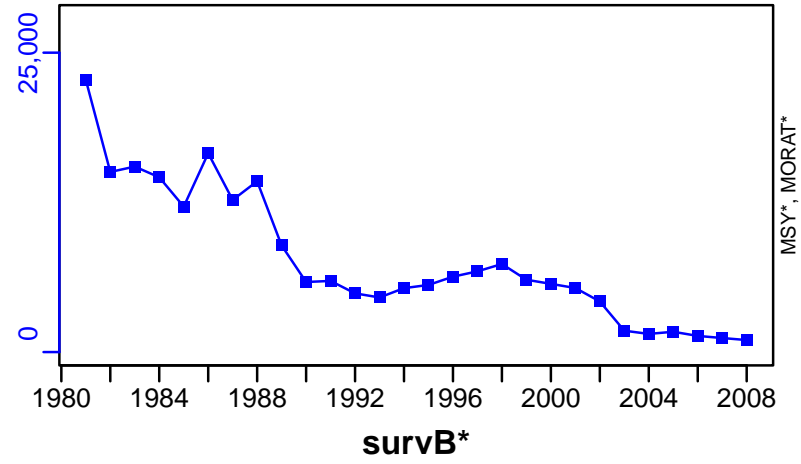


Recruits*



Weakfish Atlantic Coast [WEAKFISHATLC]

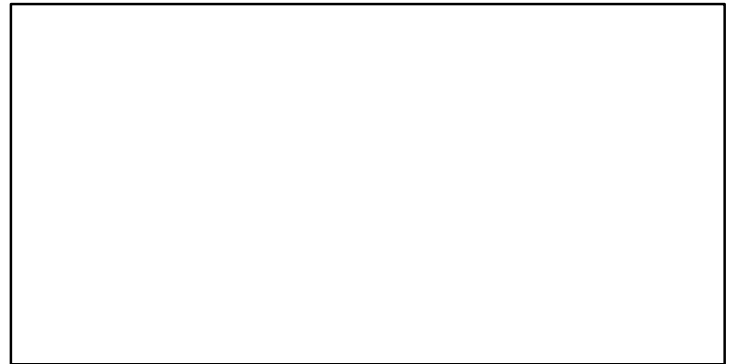
TC-MT, TL*, RecC* (1981-2008-STANTON)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



CdivMSY*



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

White hake Gulf of Maine / Georges Bank [WHAKEGBGOM]

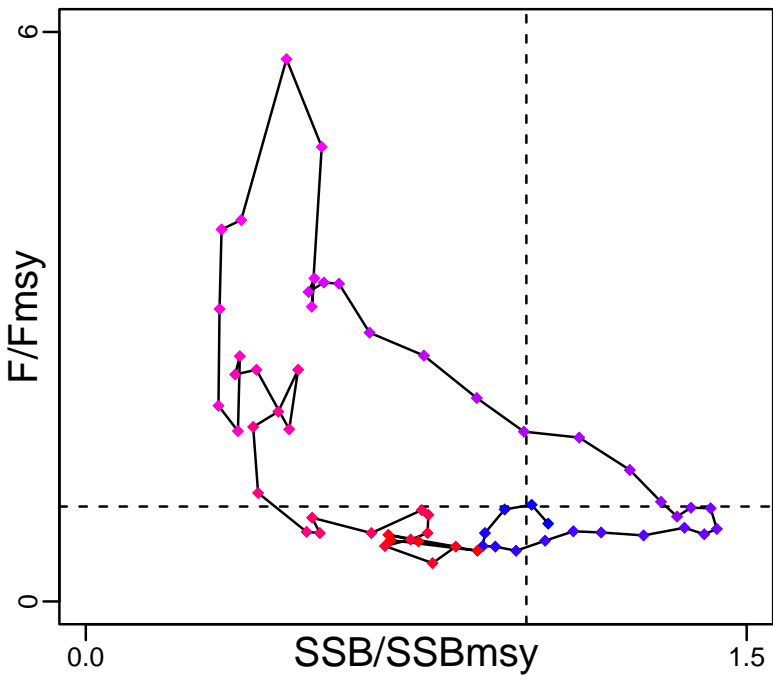
| Metadata | |
|-----------------------------|---|
| Scientific Name | Urophycis tenuis |
| Current Assess ID | NEFSC-WHAKEGBGOM-1962-2022-SISIMP2024 |
| Area | Gulf of Maine / Georges Bank |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2011, 2016, 2018, 2022, 2014 |

| Reference Points | | | |
|------------------|-----------|-----------|--------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2022 | 28,191 |
| Fmsy | Fmsy-1/yr | 2022 | 0.161 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2022 | 4186 |
| M | M-1/yr | 2011 | 0.2 |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2022 | 14,095 |
| Flim | Flim-1/yr | 2018 | 0.168 |
| ERlim | - | - | - |

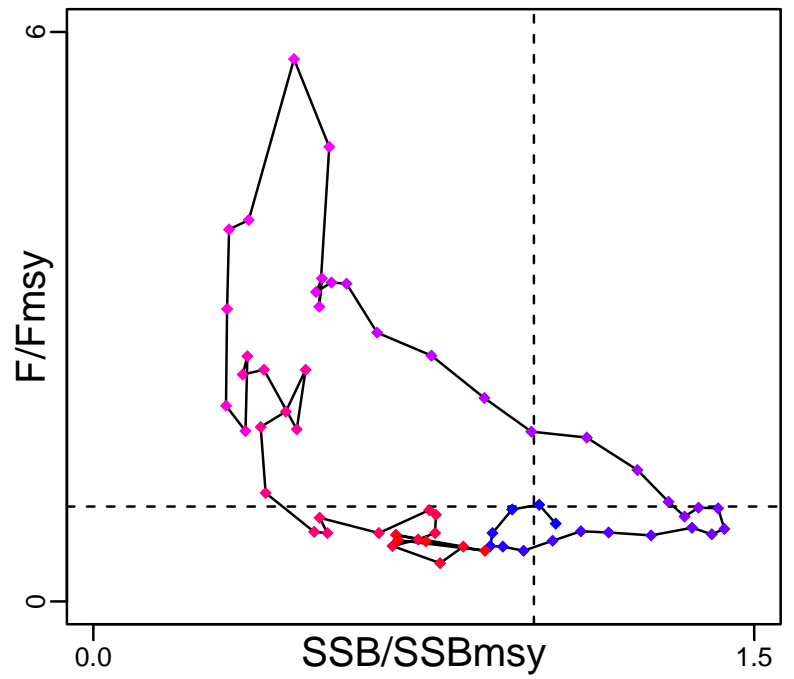
| Time Series | | | | | |
|-------------------|------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2011 | 31,200 | - | - |
| SSB | SSB-MT | 2022 | 17,978 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2022 | 1740 | - | 1 |
| F | F-1/yr | 2022 | 0.104 | - | - |
| ER | ER-calc-ratio | 2011 | 0.093 | - | - |
| TC | TC-MT | 2022 | 1869 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2022 | 0.638 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2022 | 0.646 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

White hake Gulf of Maine / Georges Bank [WHAKEGBGOM]

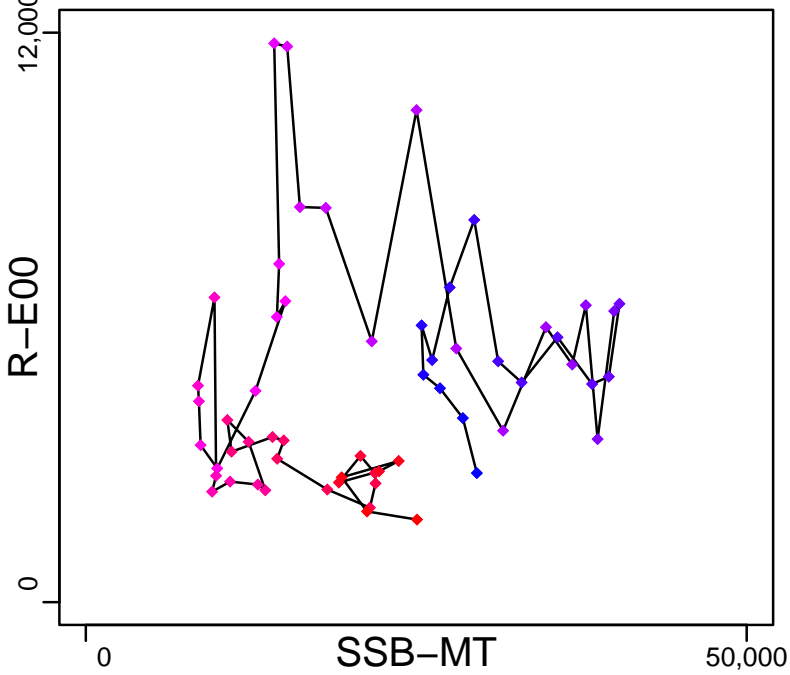
Kobe MSYpref (1962–2022–SISIMP2024)



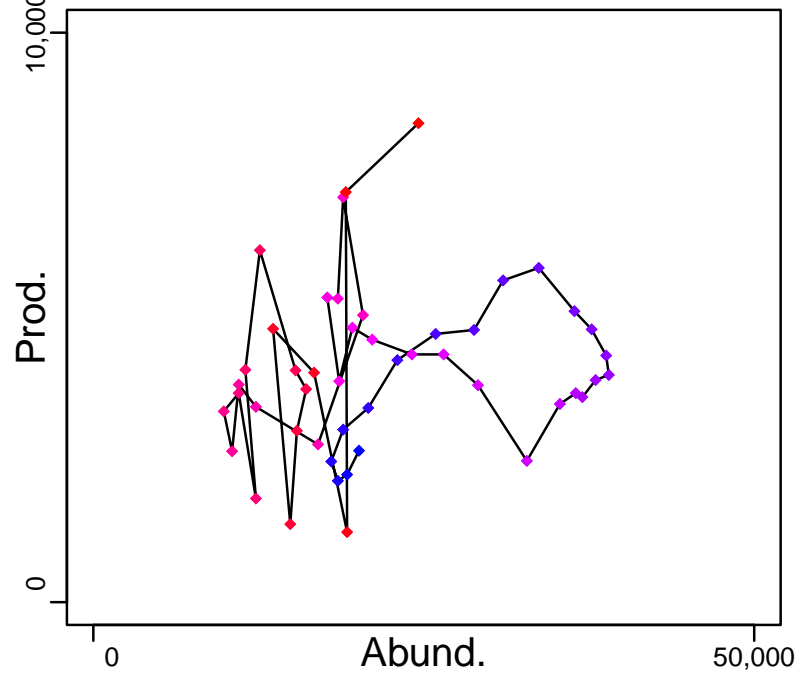
Kobe MGTpref (1962–2022–SISIMP2024)



Spawner Recruit (1962–2022–SISIMP2024)



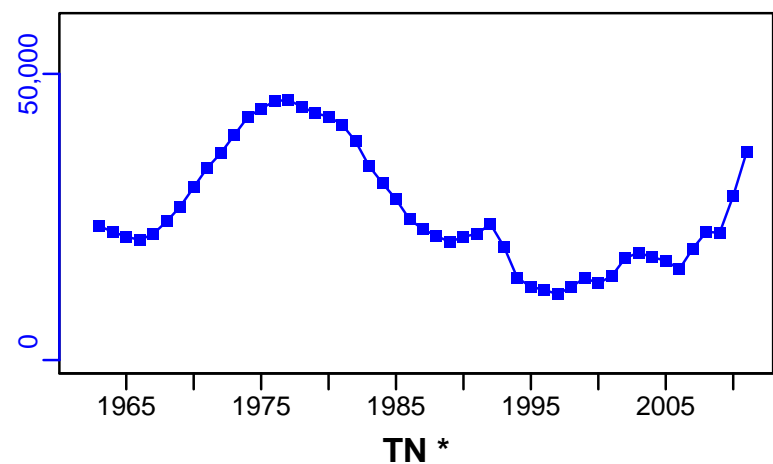
Production (1962–2011–HIVELY)



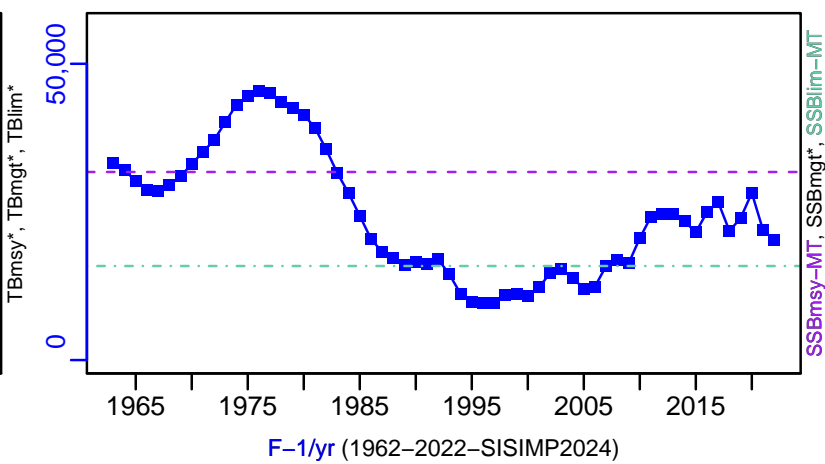
◆ Start Year ◆ End Year * No Data

White hake Gulf of Maine / Georges Bank [WHAKEGBGOM]

TB-MT (1962–2011–HIVELY)



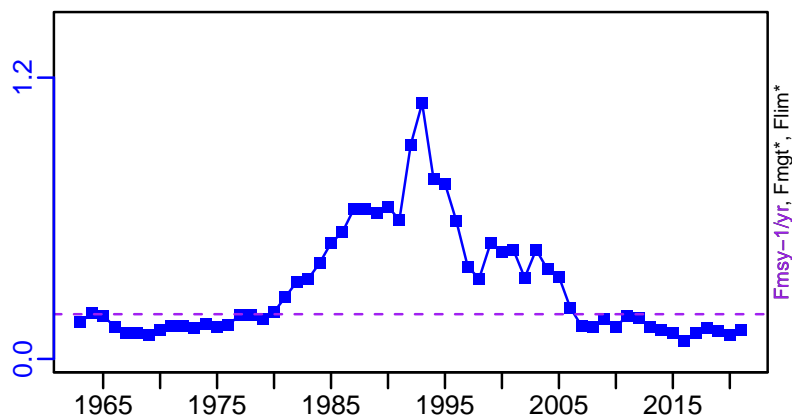
SSB-MT (1962–2022–SISIMP2024)



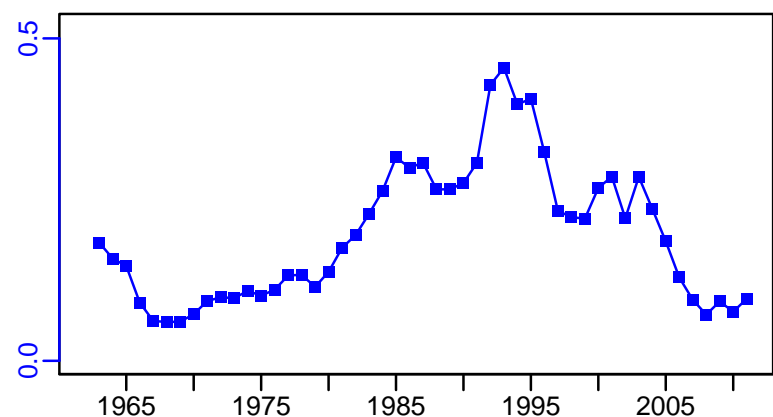
TN *



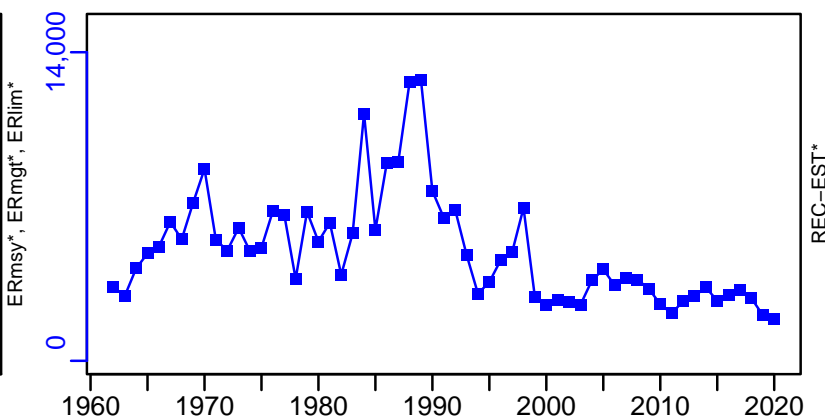
F-1/yr (1962–2022–SISIMP2024)



ER-calc-ratio (1962–2011–HIVELY)

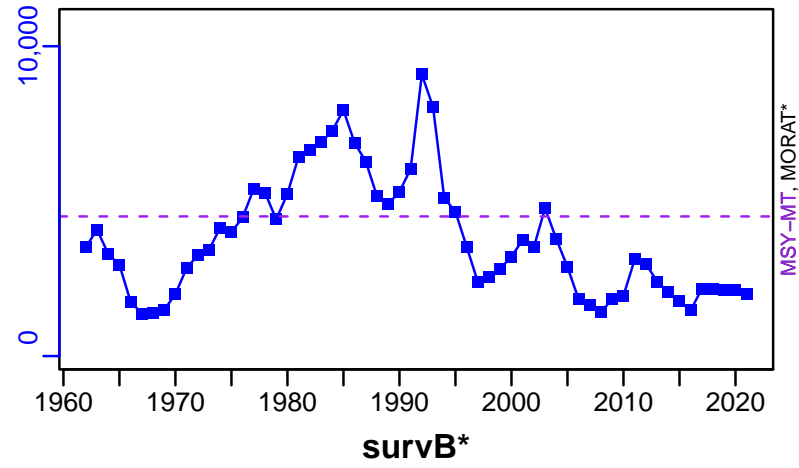


R-E00 (1962–2022–SISIMP2024)



White hake Gulf of Maine / Georges Bank [WHAKEGBGOM]

TC-MT, TL*, RecC* (1962-2022-SISIMP2024)



TAC*, Cpair*, Cadv*



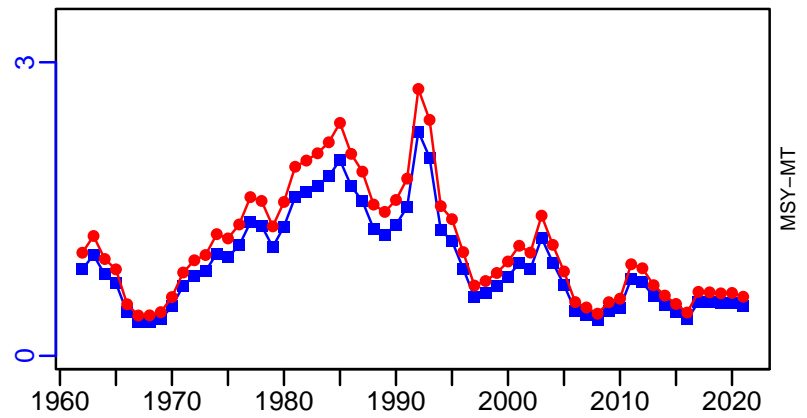
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1962-2022-SISIMP2024)



Windowpane flounder Gulf of Maine / Georges Bank [WINDOWGOMGB]

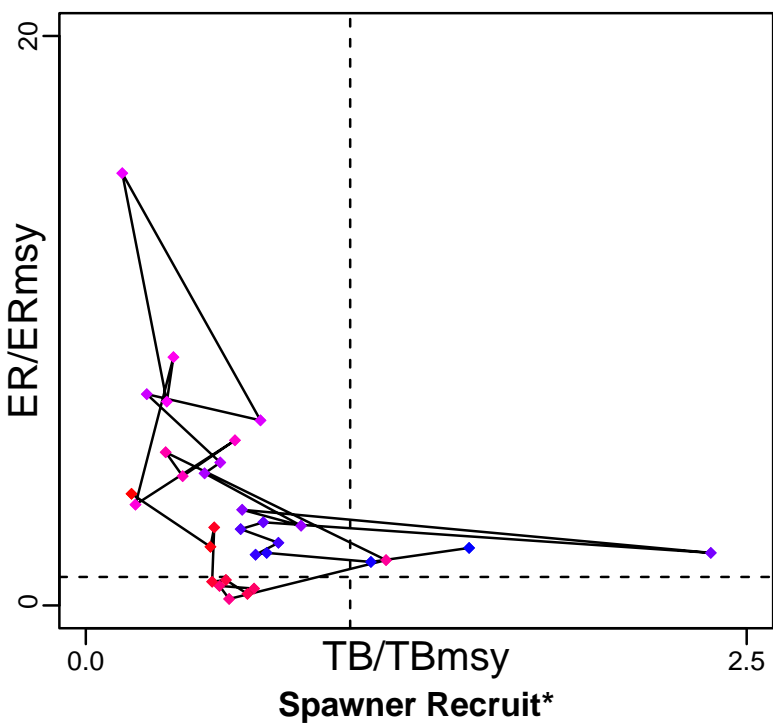
| Metadata | |
|-----------------------------|---|
| Scientific Name | Scophthalmus aquosus |
| Current Assess ID | NEFSC-WINDOWGOMGB-1975-2022-SISIMP2024 |
| Area | Gulf of Maine / Georges Bank |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2007, 2014, 2016, 2018, 2019, 2022 |

| Reference Points | | | |
|------------------|---------------|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | TBmsy-calc-MT | 2007 | 1400 |
| SSBmsy | - | - | - |
| Fmsy | - | - | - |
| ERmsy | ERmsy-ratio | 2007 | 0.5 |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2018 | 700 |
| M | M-1/yr | 2007 | 0.2 |
| TBlim | - | - | - |
| SSBlim | - | - | - |
| Flim | - | - | - |
| ERlim | - | - | - |

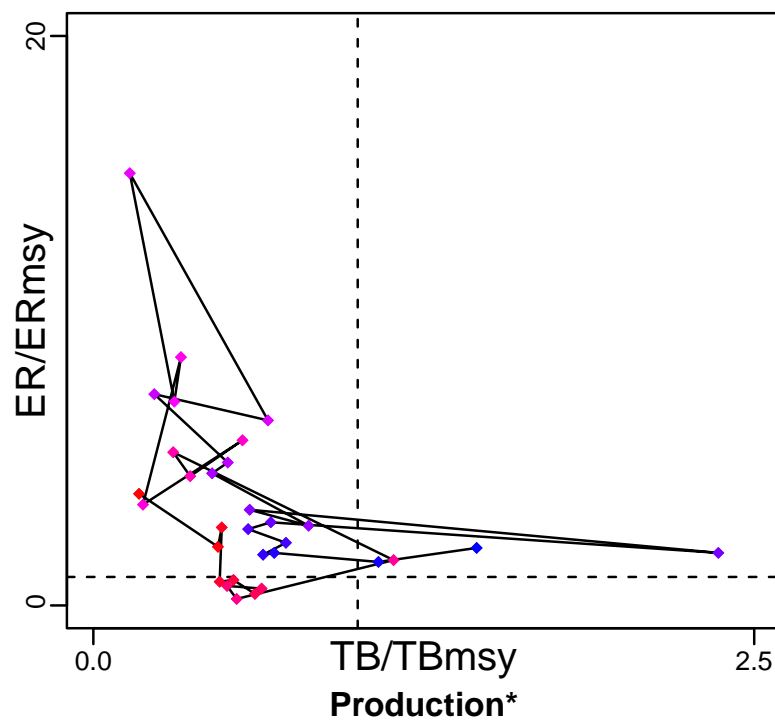
| Time Series | | | | | |
|-------------------|----------------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-relative | 2007 | 0.242 | - | - |
| SSB | - | - | - | - | - |
| TN | - | - | - | - | - |
| R | - | - | - | - | - |
| F | - | - | - | - | - |
| ER | ER-ratio | 2007 | 1.96 | - | - |
| TC | TC-MT | 2022 | 109 | | |
| TL | TL-MT | 2007 | 119 | | |
| TB/TBmsy | TB-relative/TBmsy-relative | 2007 | 0.173 | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | ER-ratio/ERmsy-ratio | 2007 | 3.92 | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Windowpane flounder Gulf of Maine / Georges Bank [WINDOWGOMGB]

Kobe MSYpref (1975–2007–HENDRICKSON)



Kobe MGTpref (1975–2007–HENDRICKSON)

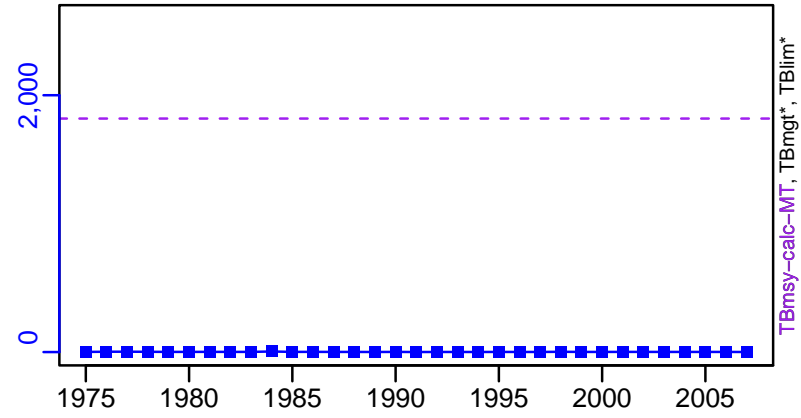


◆ Start Year ◆ End Year * No Data

Windowpane flounder Gulf of Maine / Georges Bank [WINDOWGOMGB]

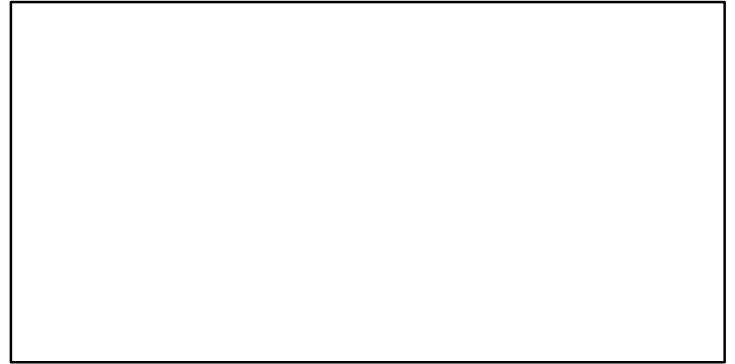
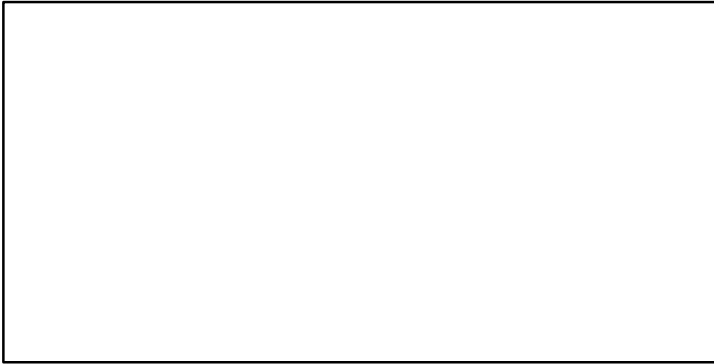
TB-relative (1975–2007–HENDRICKSON)

SSB*



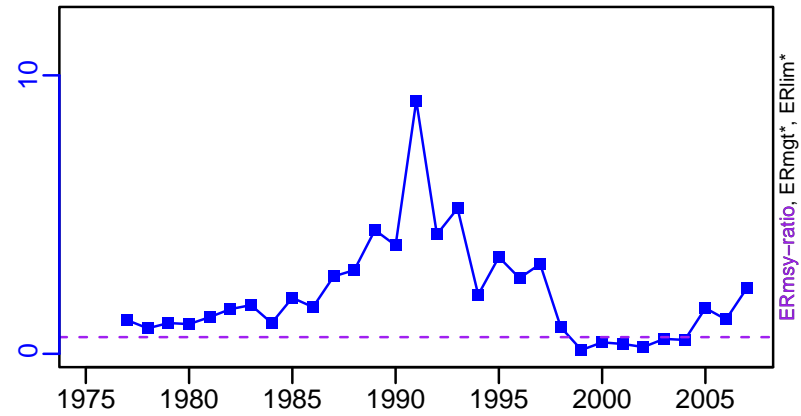
TN *

F*



ER-ratio (1975–2007–HENDRICKSON)

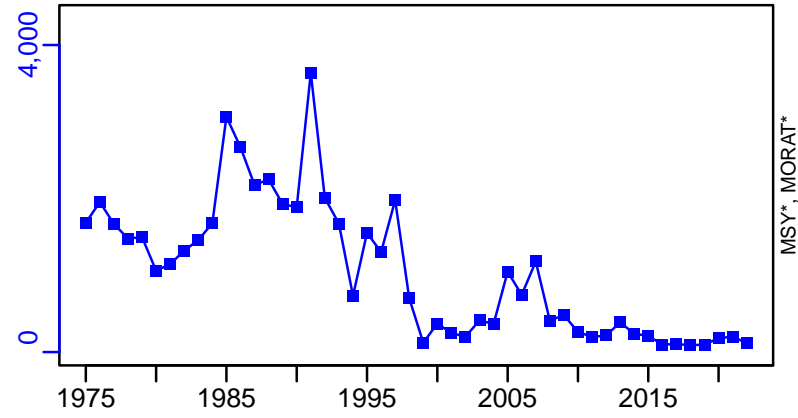
Recruits*



Windowpane flounder Gulf of Maine / Georges Bank [WINDOWGOMGB]

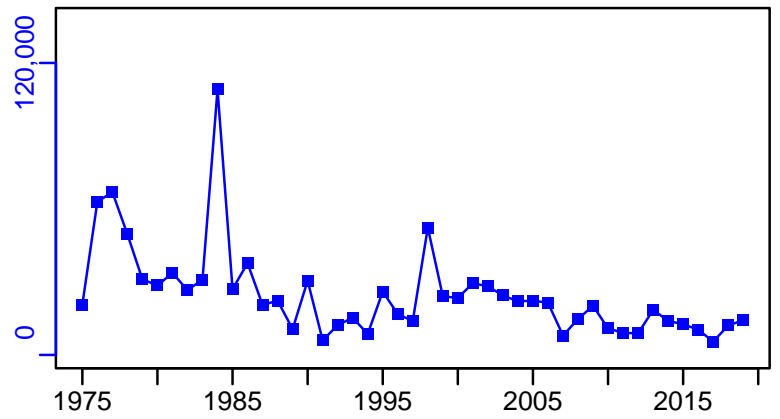
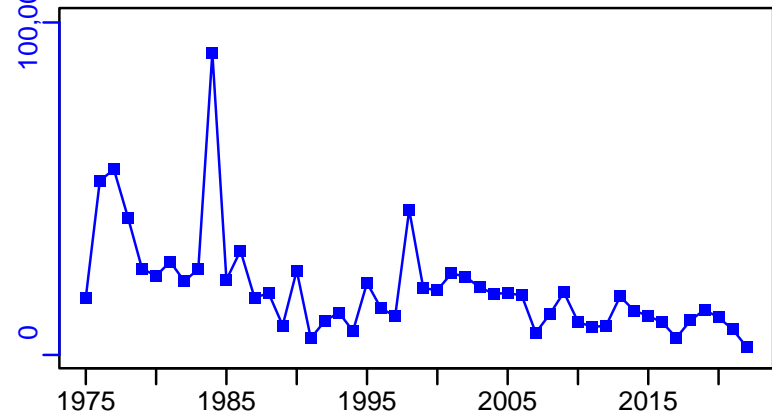
TC-MT, TL*, RecC* (1975-2022-SISIMP2024)

TAC*, Cpair*, Cadv*



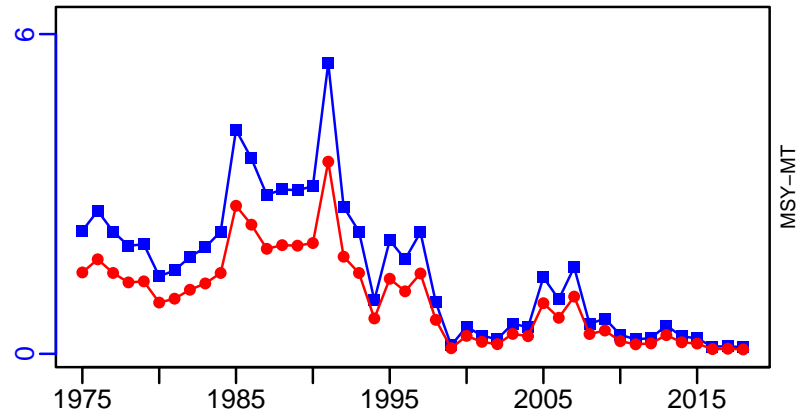
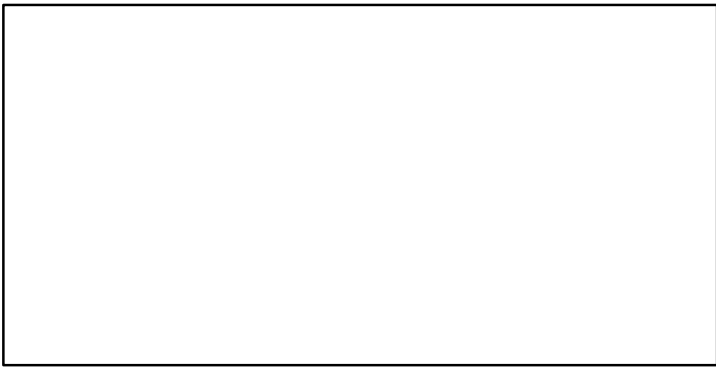
survB-MT (1975-2022-SISIMP2024)

CPUE-index (1975-2019-SISIMP2021-2)



EFFORT*

TC-MT/MSY-MT, CdivMEANC-ratio, (1975-2018-SISIMP2021-2)



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

Windowpane flounder Southern New England /Mid Atlantic [WINDOWSNEMATL]

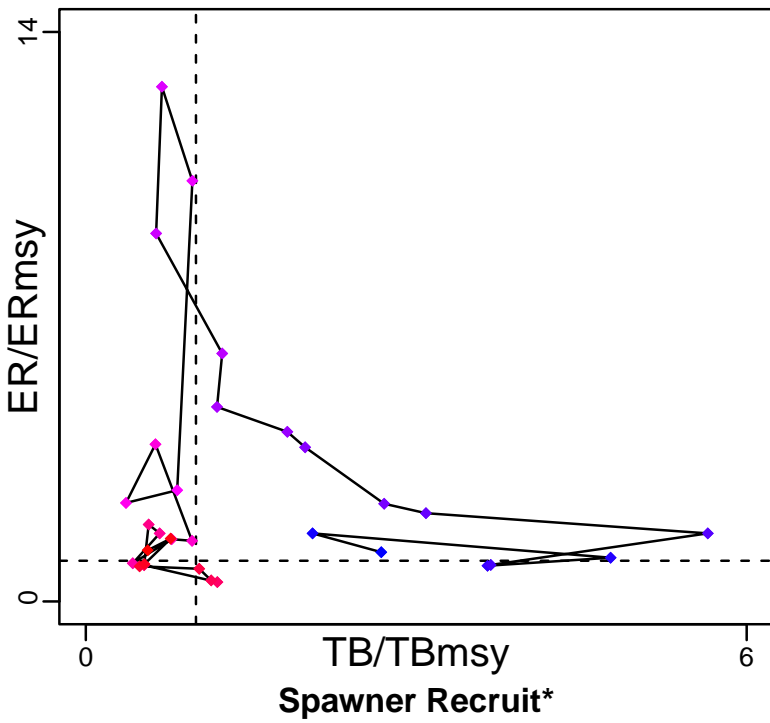
| Metadata | |
|-----------------------------|---|
| Scientific Name | Scophthalmus aquosus |
| Current Assess ID | NEFSC-WINDOWSNEMATL-1975-2022-SISIMP2024 |
| Area | Southern New England /Mid Atlantic |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2007, 2014, 2016, 2018, 2019, 2022 |

| Reference Points | | | |
|------------------|---------------|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | TBmsy-calc-MT | 2022 | 250 |
| SSBmsy | - | - | - |
| Fmsy | - | - | - |
| ERmsy | ERmsy-ratio | 2022 | 1.333 |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2022 | 333 |
| M | M-1/yr | 2007 | 0.2 |
| TBlim | - | - | - |
| SSBlim | - | - | - |
| Flim | - | - | - |
| ERlim | - | - | - |

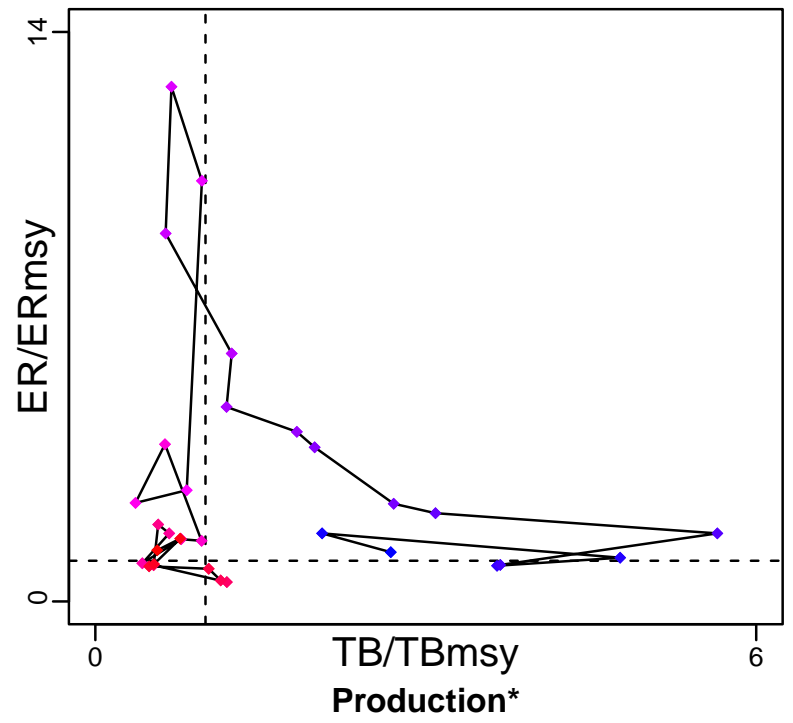
| Time Series | | | | | |
|-------------------|----------------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-relative | 2007 | 0.191 | - | - |
| SSB | - | - | - | - | - |
| TN | - | - | - | - | - |
| R | - | - | - | - | - |
| F | - | - | - | - | - |
| ER | ER-ratio | 2007 | 1.85 | - | - |
| TC | TC-MT | 2022 | 185 | | |
| TL | TL-MT | 2007 | 81 | | |
| TB/TBmsy | TB-relative/TBmsy-relative | 2007 | 0.562 | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | ER-ratio/ERmsy-ratio | 2007 | 1.259 | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Windowpane flounder Southern New England /Mid Atlantic [WINDOWSNEMATL]

Kobe MSYpref (1975–2007–HENDRICKSON)



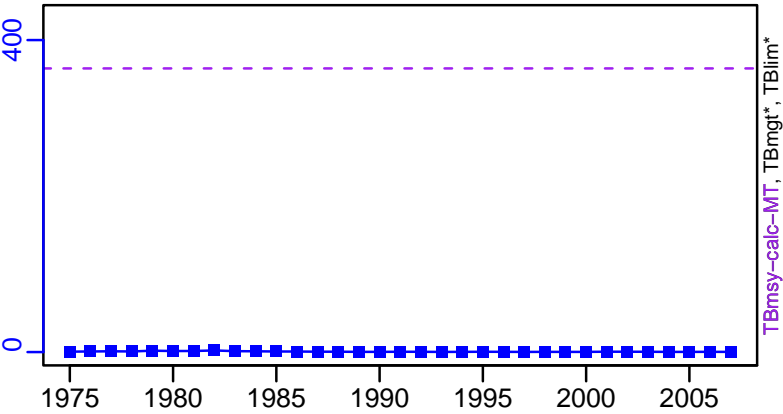
Kobe MGTpref (1975–2007–HENDRICKSON)



◆ Start Year ◆ End Year * No Data

Windowpane flounder Southern New England /Mid Atlantic [WINDOWSNEMATL]

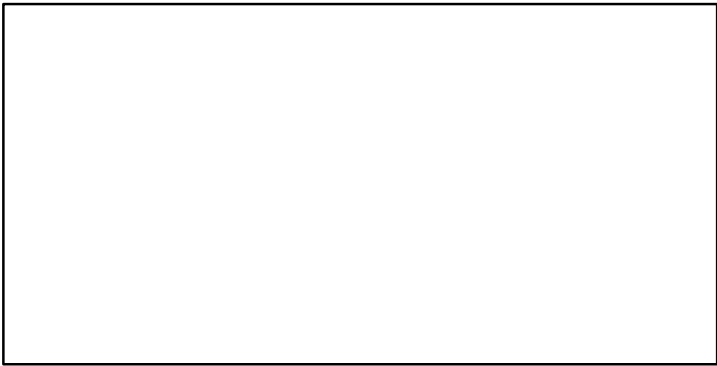
TB-relative (1975–2007–HENDRICKSON)



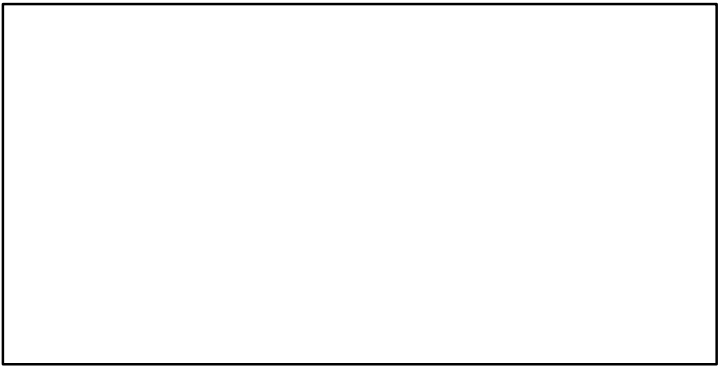
SSB*



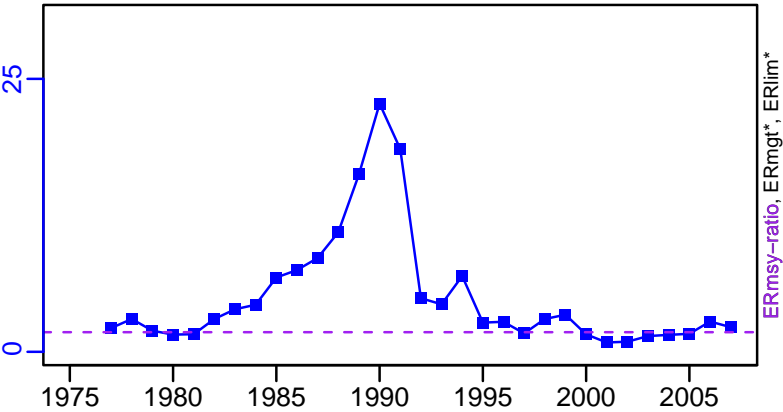
TN *



F*



ER-ratio (1975–2007–HENDRICKSON)



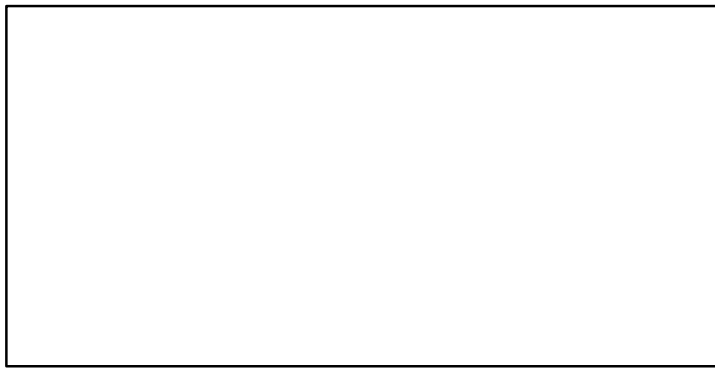
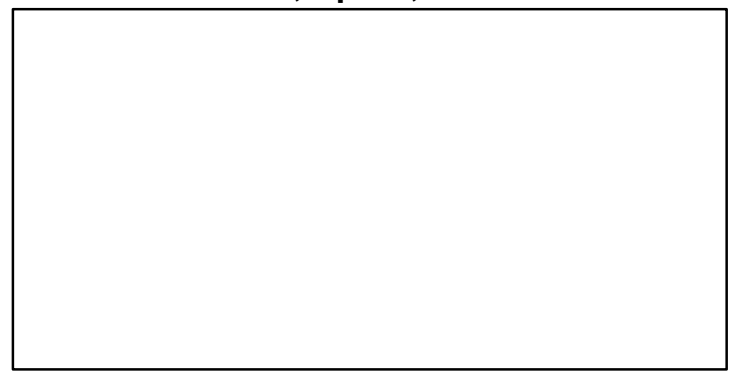
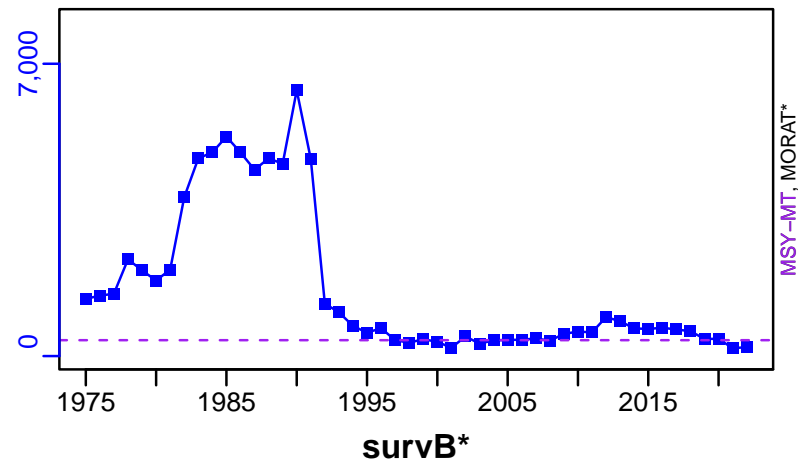
Recruits*



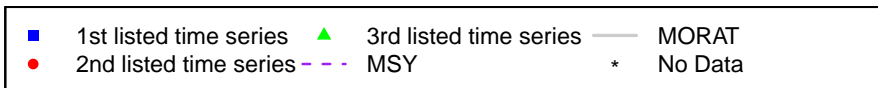
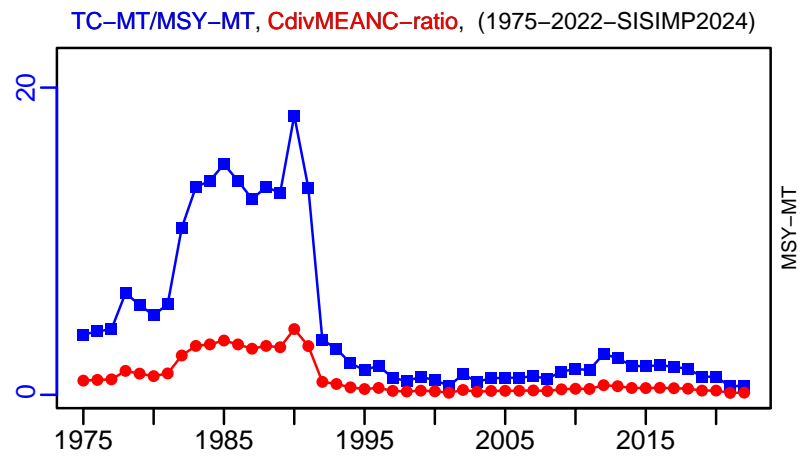
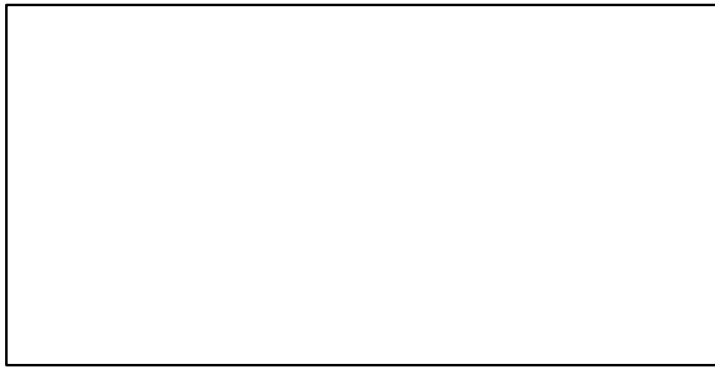
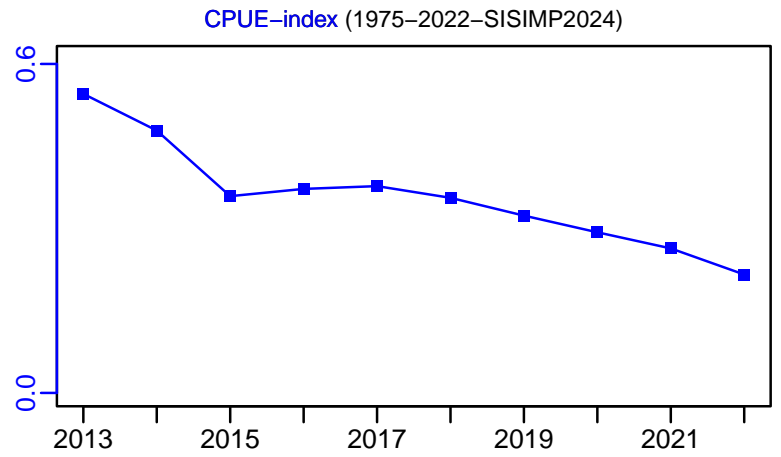
Windowpane flounder Southern New England /Mid Atlantic [WINDOWSNEMATL]

TC-MT, TL*, RecC* (1975-2022-SISIMP2024)

TAC*, Cpair*, Cadv*



EFFORT*



Winter flounder Georges Bank [WINFLOUN5Z]

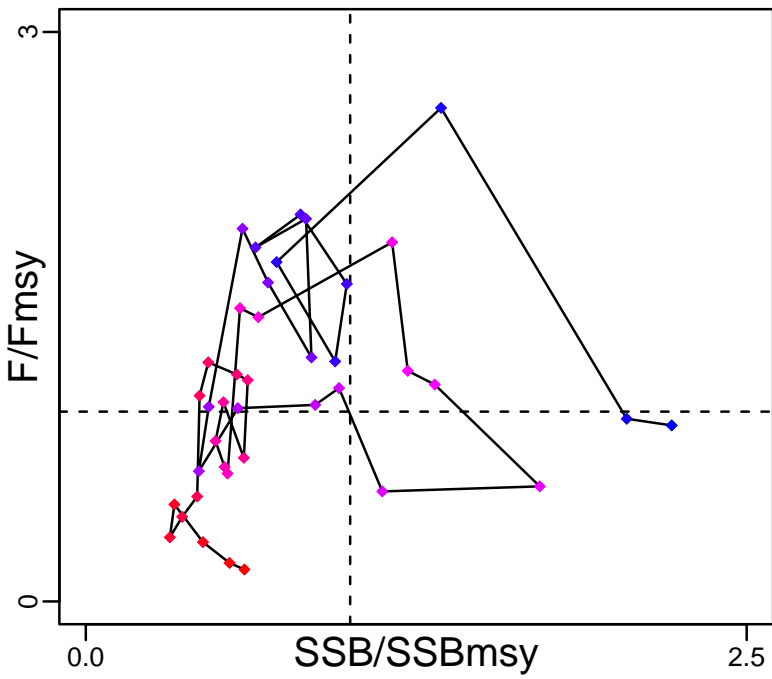
| Metadata | |
|-----------------------------|---|
| Scientific Name | Pseudopleuronectes americanus |
| Current Assess ID | NEFSC-WINFLOUN5Z-1981-2021-SISIMP2024 |
| Area | Georges Bank |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2011, 2019, 2016, 2021, 2014, 2019 |

| Reference Points | | | |
|------------------|-----------|-----------|--------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2021 | 7503 |
| Fmsy | Fmsy-1/yr | 2021 | 0.452 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | SSBmgt-MT | 2011 | 11,800 |
| Fmgt | Fmgt-1/yr | 2011 | 0.315 |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2021 | 2757 |
| M | - | - | - |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2021 | 3752 |
| Flim | Flim-1/yr | 2019 | 0.519 |
| ERlim | - | - | - |

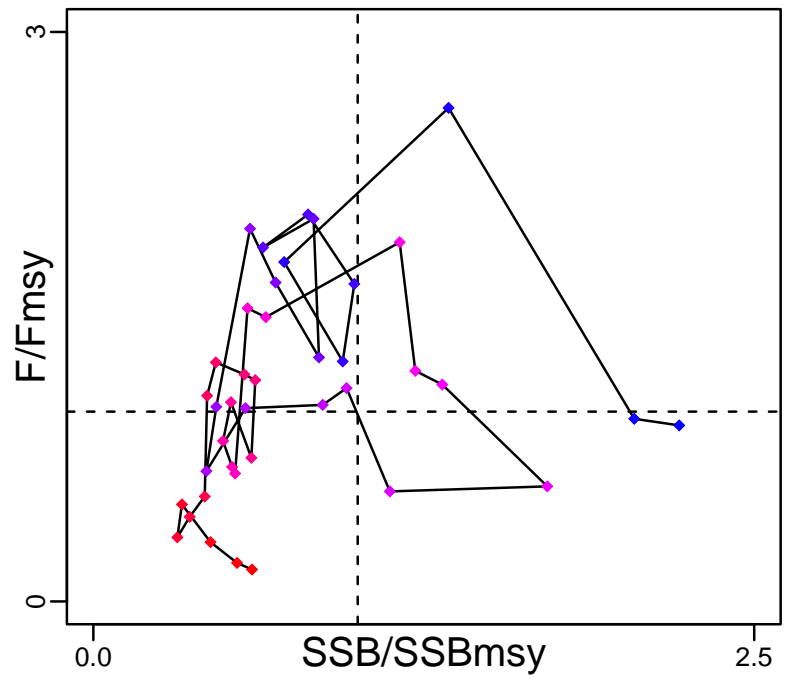
| Time Series | | | | | |
|-------------------|------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2021 | 4503 | - | - |
| TN | TN-E00 | 2011 | 38,600,000 | - | - |
| R | R-E00 | 2021 | 8920 | - | 1 |
| F | F-1/yr | 2021 | 0.076 | - | - |
| ER | - | - | - | - | - |
| TC | TC-MT | 2021 | 283 | | |
| TL | TL-MT | 2011 | 1300 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2021 | 0.6 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2021 | 0.168 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | SSB-MT/SSBmgt-MT | 2011 | 0.822 | | |
| F/Fmgt | F-1/yr/Fmgt-1/yr | 2011 | 0.489 | | |
| ER/ERmgt | - | - | - | | |

Winter flounder Georges Bank [WINFLOUN5Z]

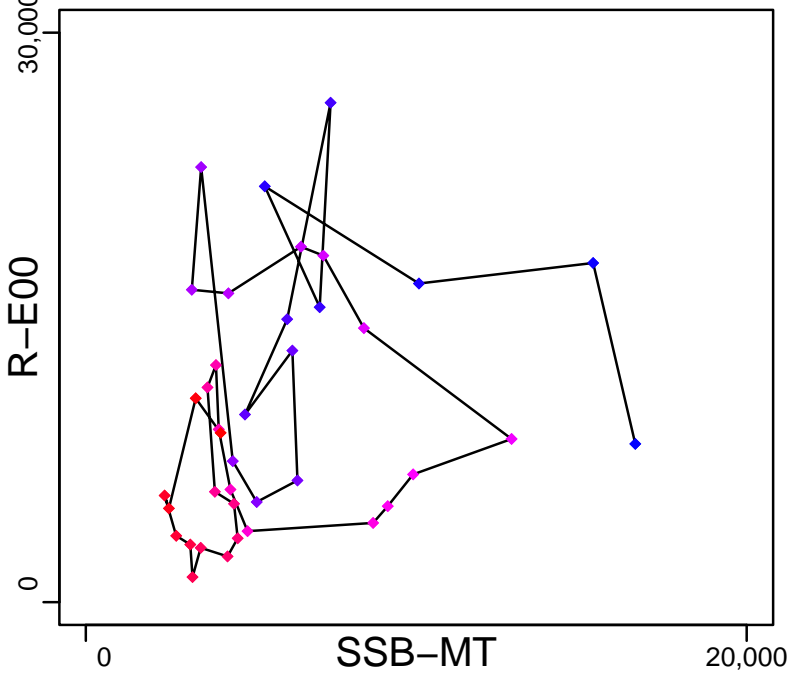
Kobe MSYpref (1981–2021–SISIMP2024)



Kobe MGTpref (1981–2021–SISIMP2024)



Spawner Recruit (1981–2021–SISIMP2024)



Production*



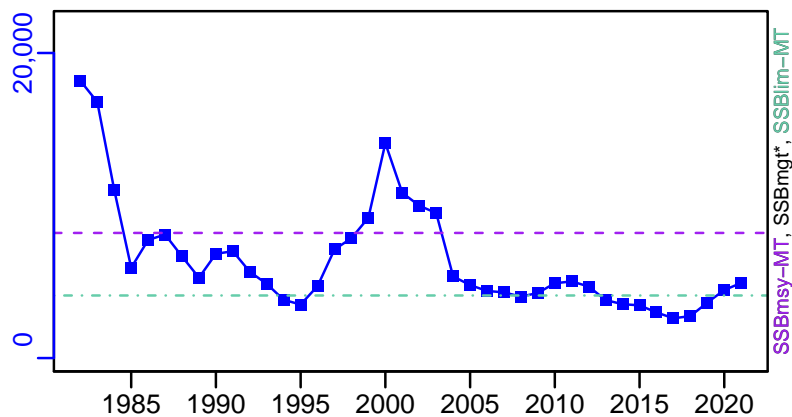
◆ Start Year ◆ End Year * No Data

Winter flounder Georges Bank [WINFLOUN5Z]

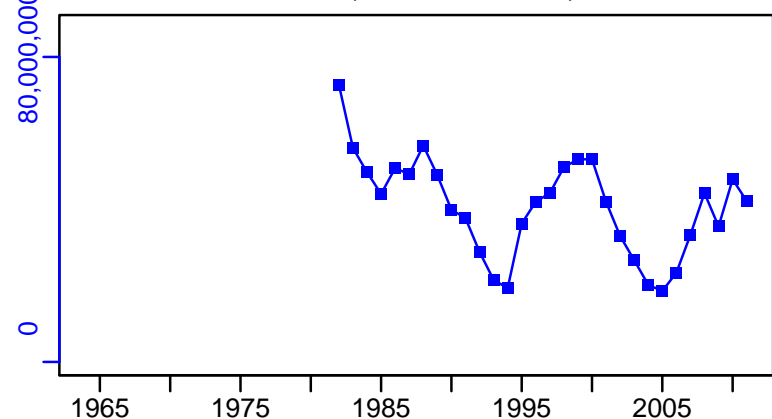
TB*



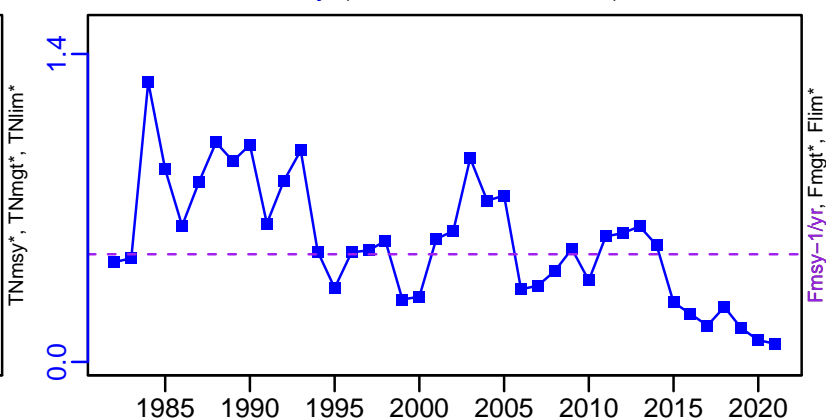
SSB-MT (1981–2021–SISIMP2024)



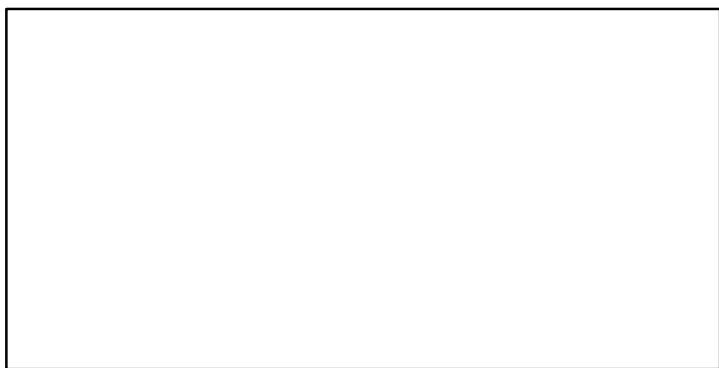
TN-E00 (1964–2011–HIVELY)



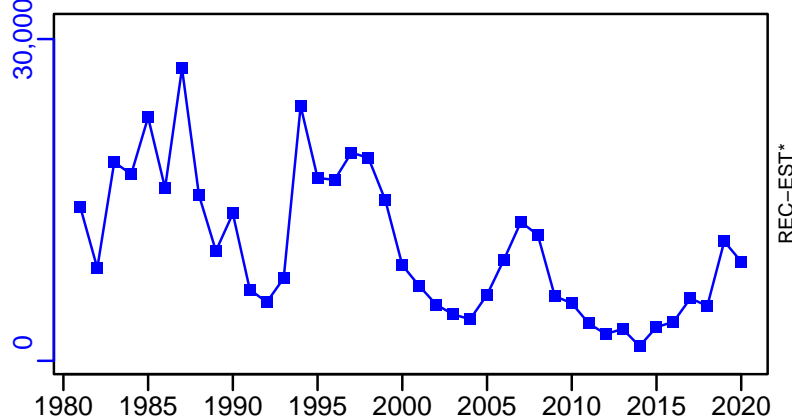
F-1/yr (1981–2021–SISIMP2024)



ER*

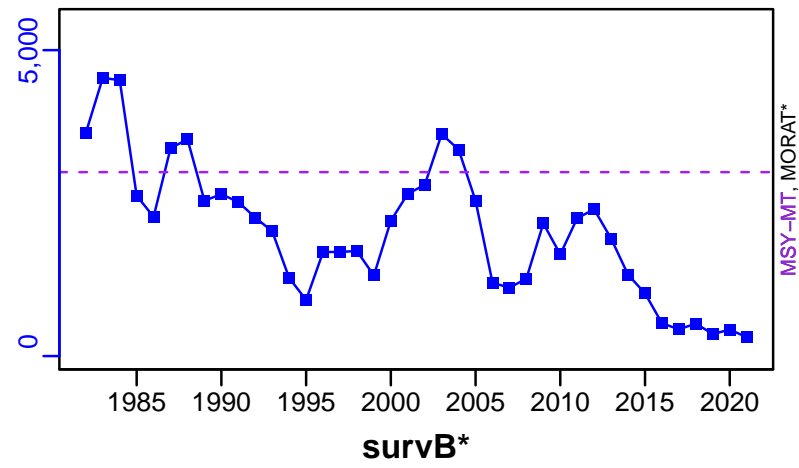


R-E00 (1981–2021–SISIMP2024)



Winter flounder Georges Bank [WINFLOUN5Z]

TC-MT, TL*, RecC* (1981-2021-SISIMP2024)



TAC*, Cpair*, Cadv*



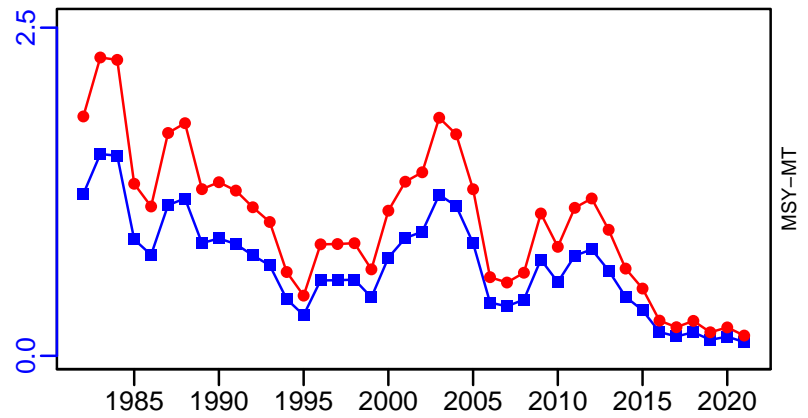
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1981-2021-SISIMP2024)



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

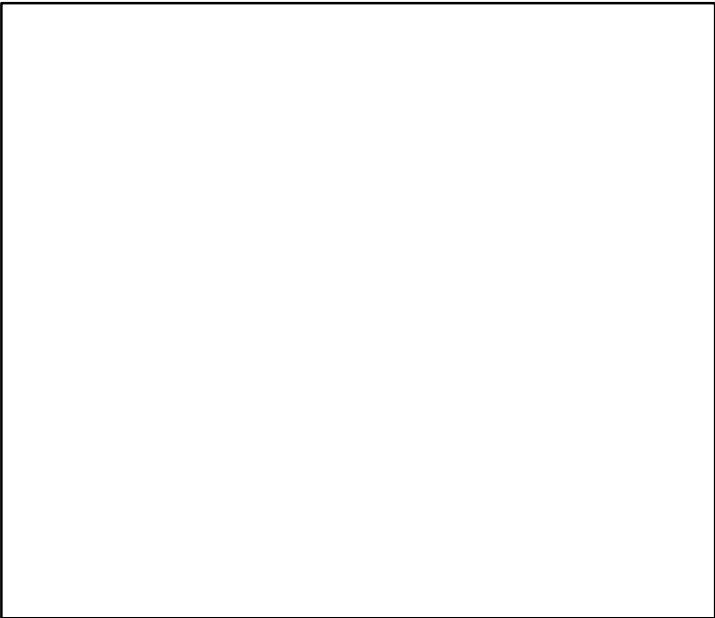
Winter flounder Gulf of Maine [WINFLOUND5Y]

| Metadata | |
|-----------------------------|---|
| Scientific Name | Pseudopleuronectes americanus |
| Current Assess ID | NEFSC-WINFLOUND5Y-1982-2019-SISIMP2021-2 |
| Area | Gulf of Maine |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2008, 2019, 2014, 2016 |

| 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 | ERlim-ratio | 2019 | 0.23 |

| Time Series | | | | | |
|-------------|----------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | - | - | - | - | - |
| TN | - | - | - | - | - |
| R | - | - | - | - | - |
| F | - | - | - | - | - |
| ER | ER-ratio | 2019 | 0.052 | - | - |
| TC | TC-MT | 2019 | 150 | | |
| TL | TL-MT | 2008 | 260 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

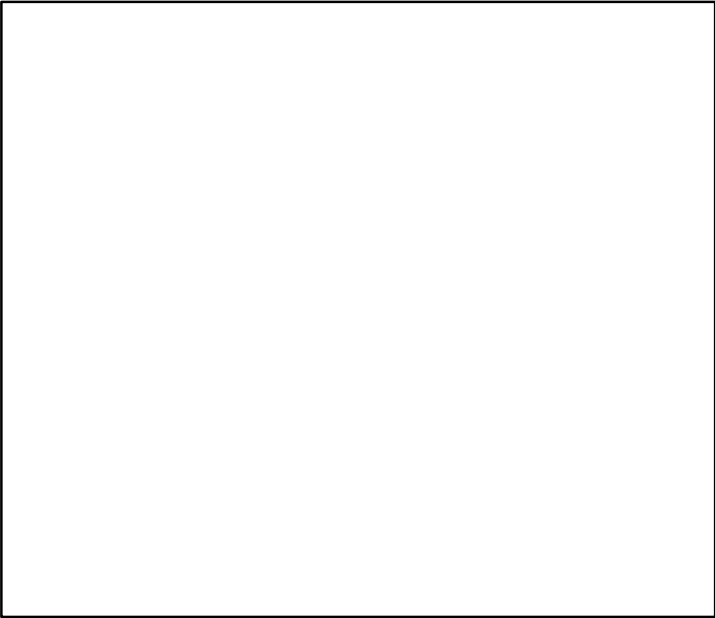
Kobe MSY*



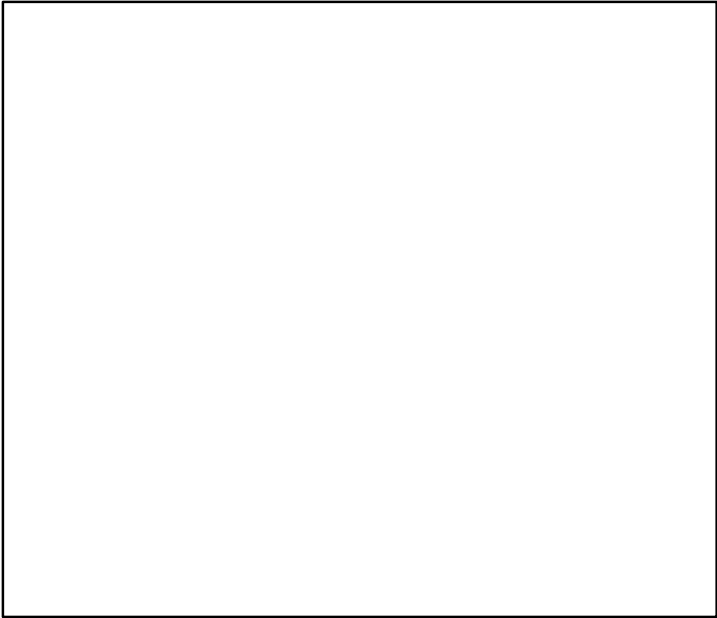
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Winter flounder Gulf of Maine [WINFLOUND5Y]

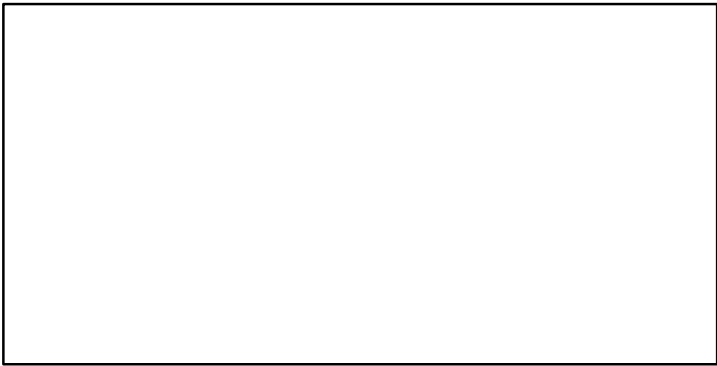
TB*



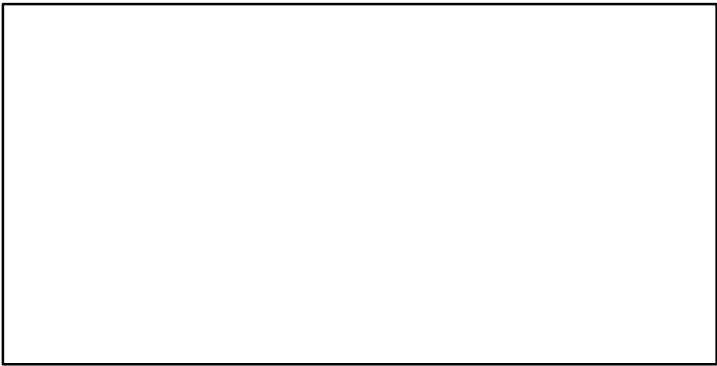
SSB*



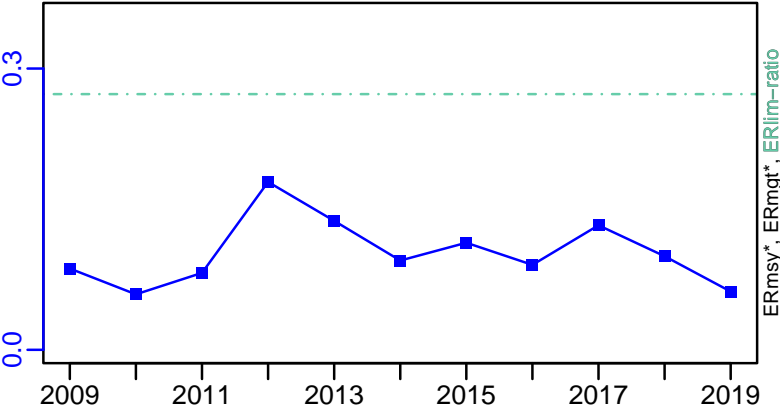
TN *



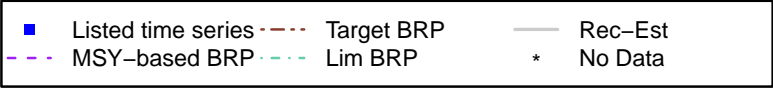
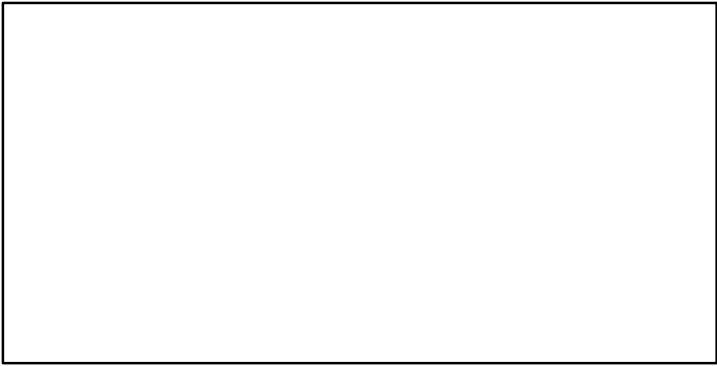
F*



ER-ratio (1982–2019–SISIMP2021–2)

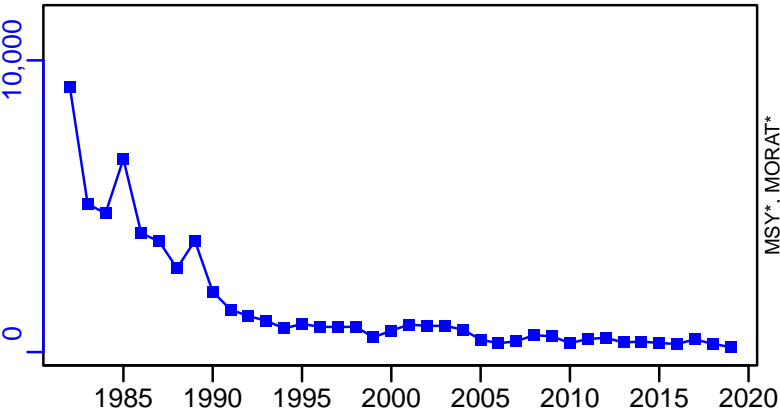


Recruits*



Winter flounder Gulf of Maine [WINFLOUND5Y]

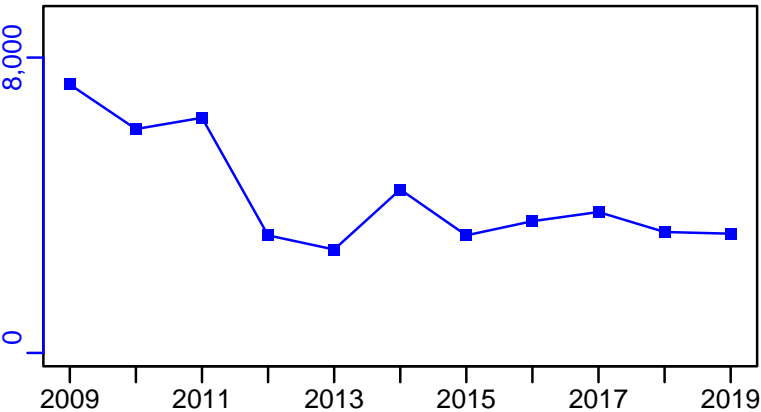
TC-MT, TL*, RecC* (1982-2019-SISIMP2021-2)



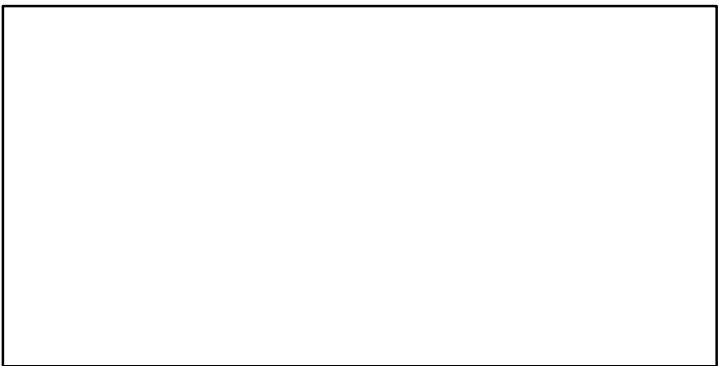
TAC*, Cpair*, Cadv*



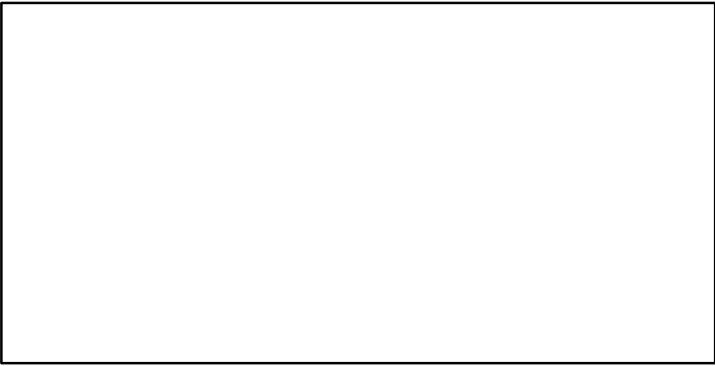
survB-MT (1982-2019-SISIMP2021-2)



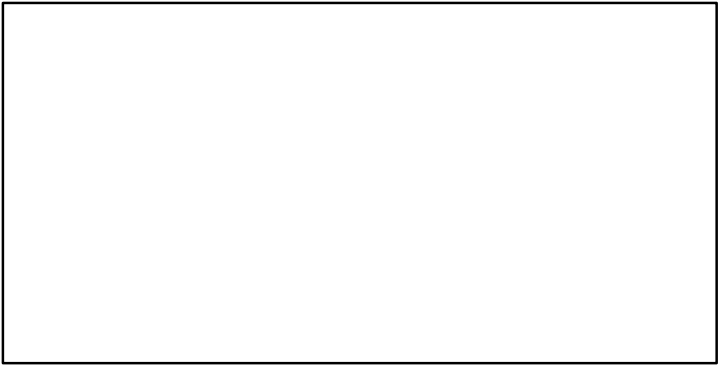
CPUE*



EFFORT*



CdivMSY*



Winter flounder Southern New England /Mid Atlantic [WINFLOUNSNEMATL]

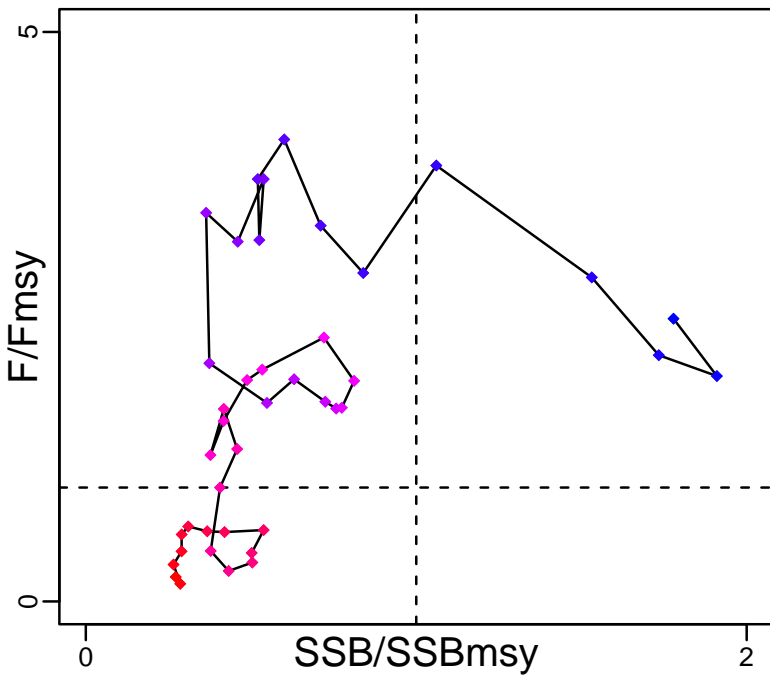
| Metadata | |
|-----------------------------|---|
| Scientific Name | Pseudopleuronectes americanus |
| Current Assess ID | NEFSC-WINFLOUNSNEMATL-1981-2022-SISIMP2022 |
| Area | Southern New England /Mid Atlantic |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2010, 2013, 2016, 2019, 2022 |

| Reference Points | | | |
|------------------|-----------|-----------|--------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2022 | 12,322 |
| Fmsy | Fmsy-1/yr | 2022 | 0.284 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | SSBmgt-MT | 2010 | 43,661 |
| Fmgt | Fmgt-1/yr | 2010 | 0.22 |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2022 | 3906 |
| M | M-1/yr | 2010 | 0.3 |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2019 | 6160 |
| Flim | Flim-1/yr | 2019 | 0.284 |
| ERlim | - | - | - |

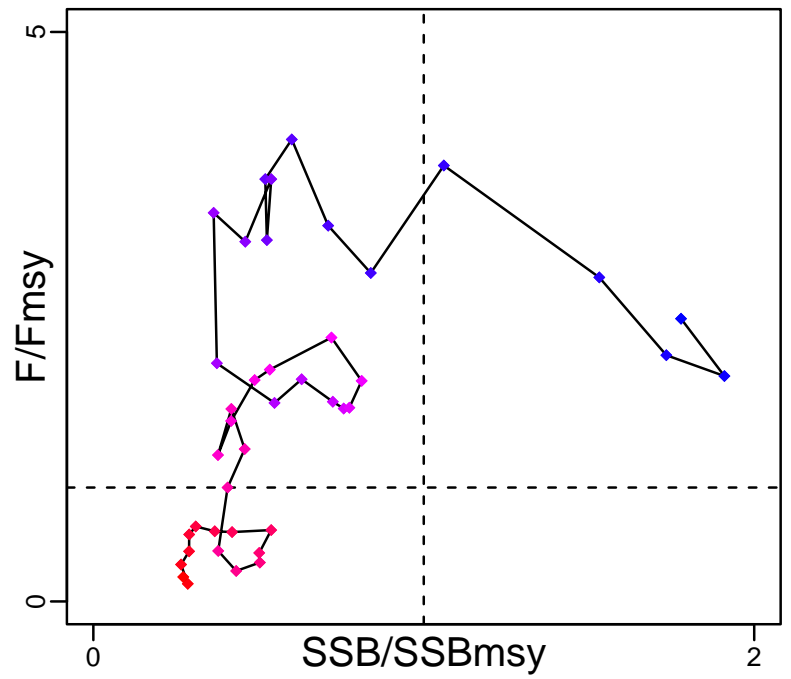
| Time Series | | | | | |
|-------------------|------------------|-----------|------------|-----|--------|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2022 | 3472 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2022 | 4,364,000 | - | 0 |
| F | F-1/yr | 2022 | 0.061 | - | 4 to 5 |
| ER | - | - | - | - | - |
| TC | TC-MT | 2022 | 216 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2022 | 0.282 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2022 | 0.215 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | SSB-MT/SSBmgt-MT | 2010 | 0.162 | | |
| F/Fmgt | F-1/yr/Fmgt-1/yr | 2010 | 0.227 | | |
| ER/ERmgt | - | - | - | | |

Winter flounder Southern New England /Mid Atlantic [WINFLOUNSNEMATL]

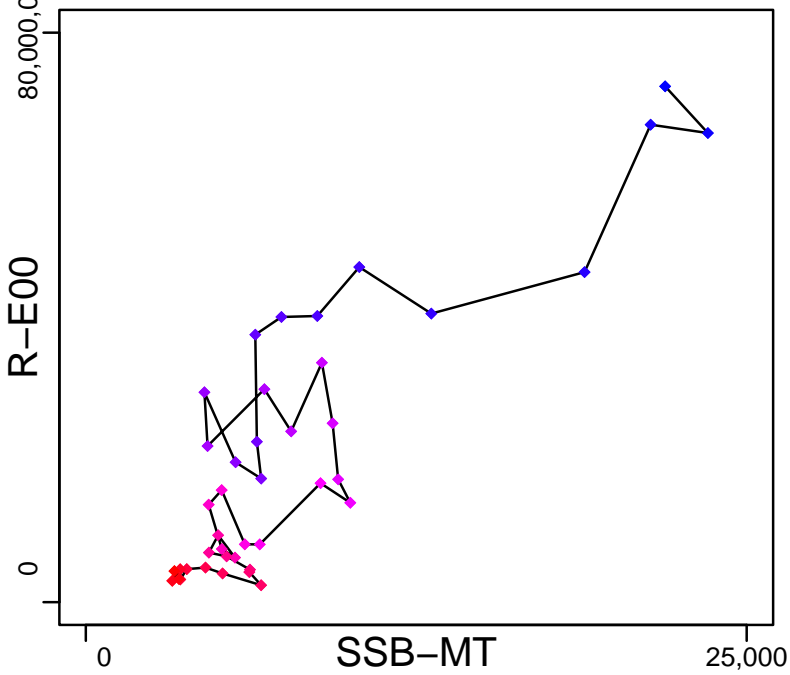
Kobe MSYpref (1981–2022–SISIMP2022)



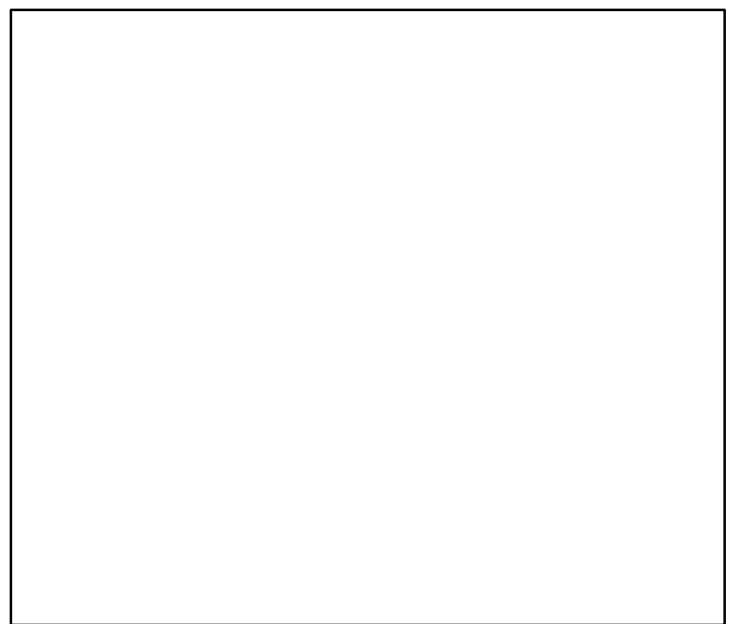
Kobe MGTpref (1981–2022–SISIMP2022)



Spawner Recruit (1981–2022–SISIMP2022)



Production*



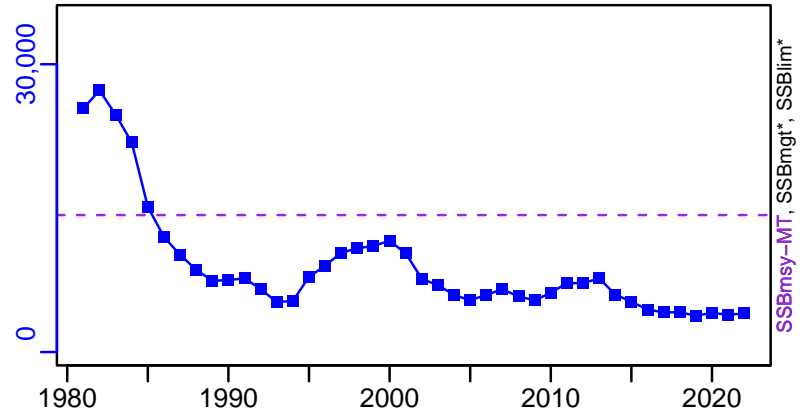
◆ Start Year ◆ End Year * No Data

Winter flounder Southern New England /Mid Atlantic [WINFLOUNSNEMATL]

TB*



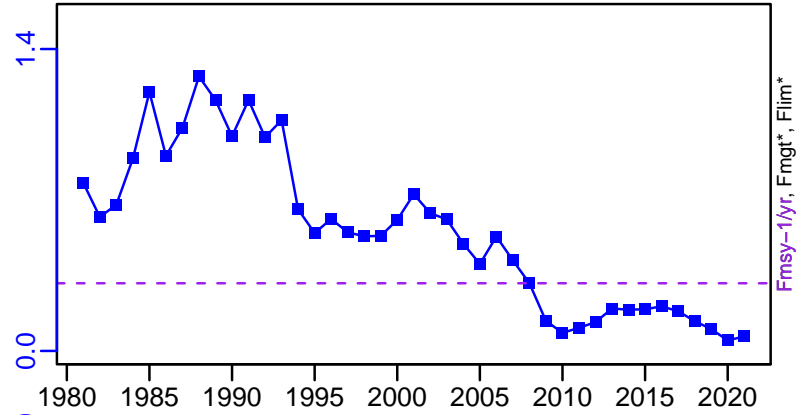
SSB-MT (1981-2022-SISIMP2022)



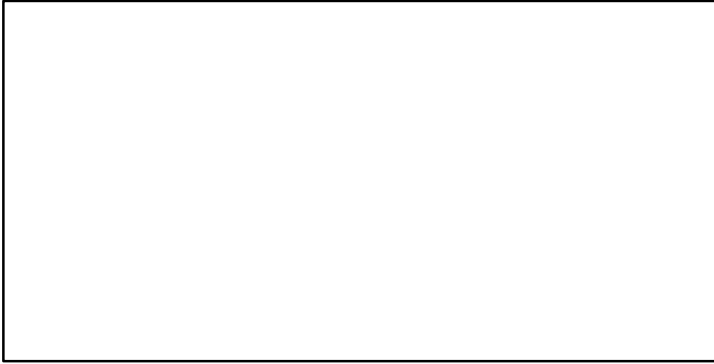
TN *



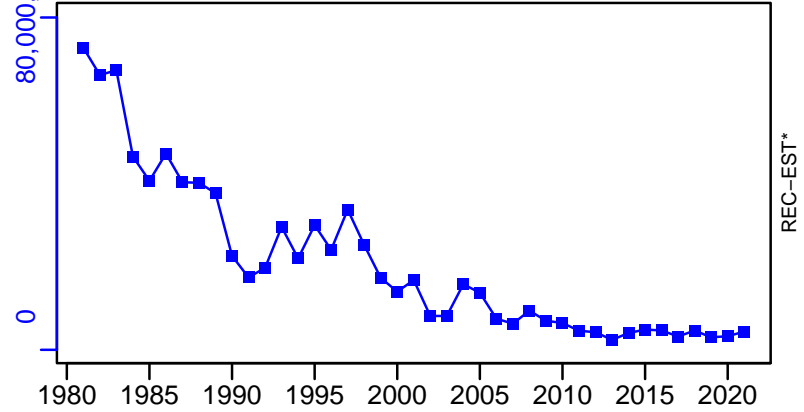
F-1/yr (1981-2022-SISIMP2022)



ER*



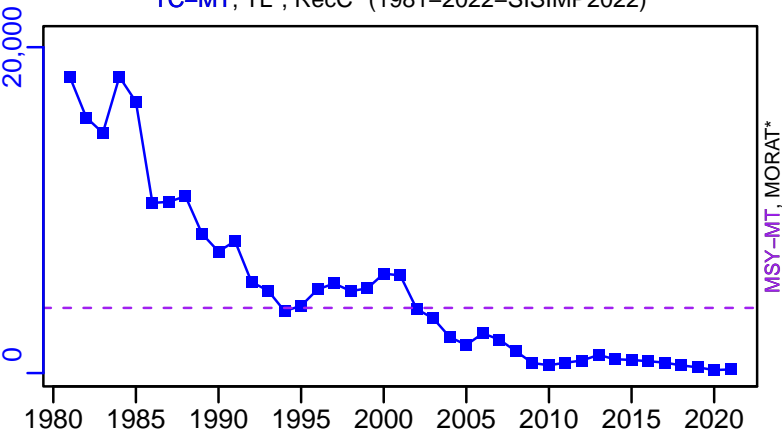
R-E00 (1981-2022-SISIMP2022)



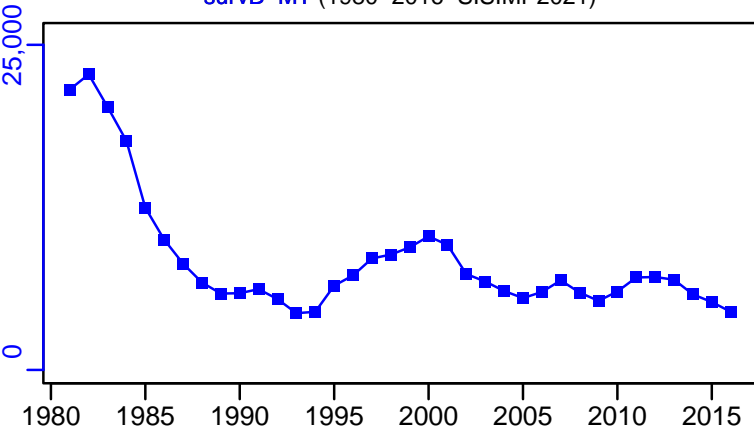
Winter flounder Southern New England /Mid Atlantic [WINFLOUNSNEMATL]

TC-MT, TL*, RecC* (1981-2022-SISIMP2022)

TAC*, Cpair*, Cadv*



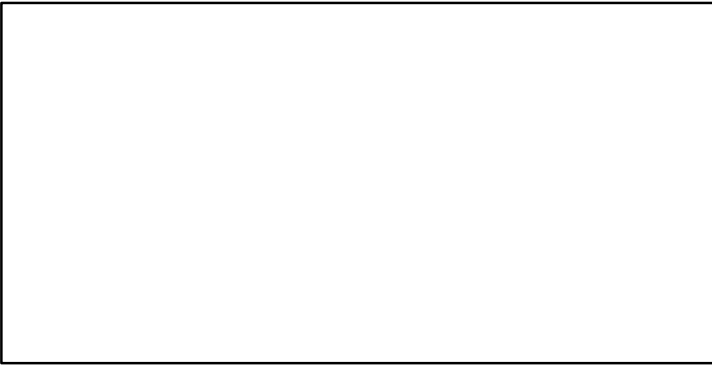
survB-MT (1980-2016-SISIMP2021)



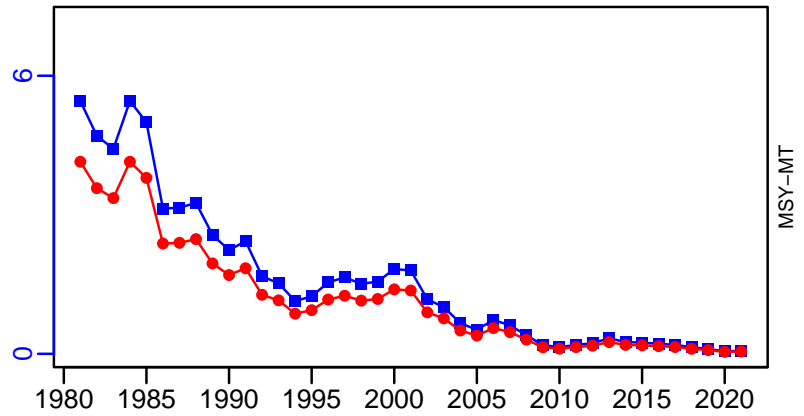
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1981-2022-SISIMP2022)



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

Witch flounder Gulf of Maine [WITFLOUN5Y]

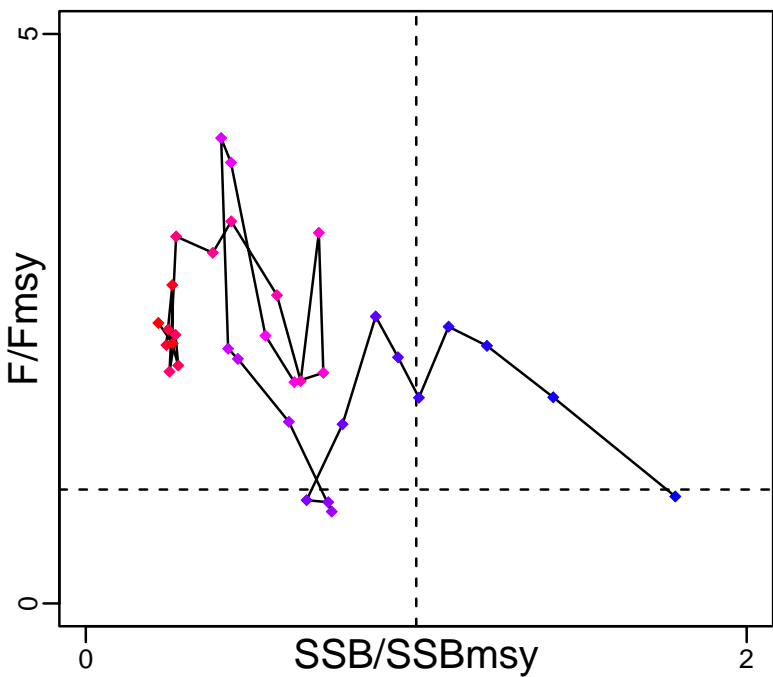
| Metadata | |
|-----------------------------|---|
| Scientific Name | Glyptocephalus cynoglossus |
| Current Assess ID | NEFSC-WITFLOUN5Y-1937-2021-SISIMP2024 |
| Area | Gulf of Maine |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2019, 2021, 2008, 2014, 2016 |

| Reference Points | | | |
|------------------|-----------|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2014 | 9473 |
| Fmsy | Fmsy-1/yr | 2014 | 0.279 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2014 | 1957 |
| M | M-1/yr | 2008 | 0.15 |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2014 | 4736 |
| Flim | Flim-1/yr | 2014 | 0.279 |
| ERlim | - | - | - |

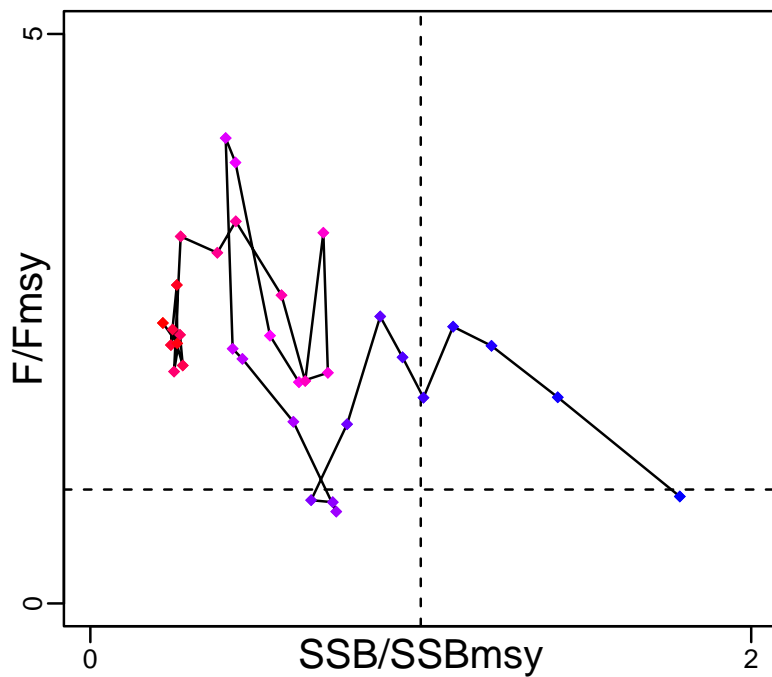
| Time Series | | | | | |
|-------------------|------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2021 | 22,419 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2014 | 10,200,000 | - | 3 |
| F | F-1/yr | 2014 | 0.687 | - | - |
| ER | ER-ratio | 2021 | 0.039 | - | - |
| TC | TC-MT | 2021 | 823 | | |
| TL | TL-MT | 2008 | 1070 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2014 | 0.22 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2014 | 2.462 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Witch flounder Gulf of Maine [WITFLOUN5Y]

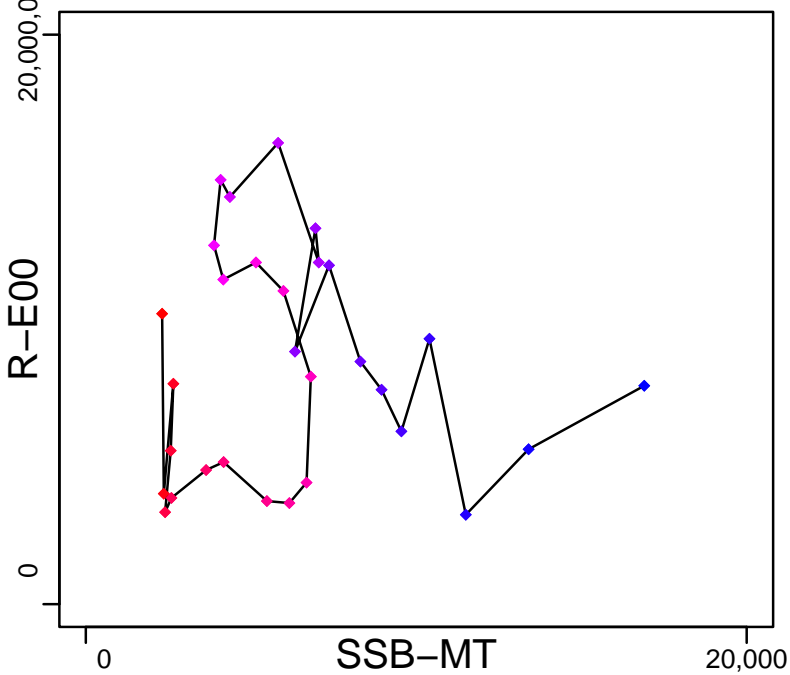
Kobe MSY_{pref} (1982–2014–SISIMP2016)



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



Spawner Recruit (1982–2014–SISIMP2016)



Production*



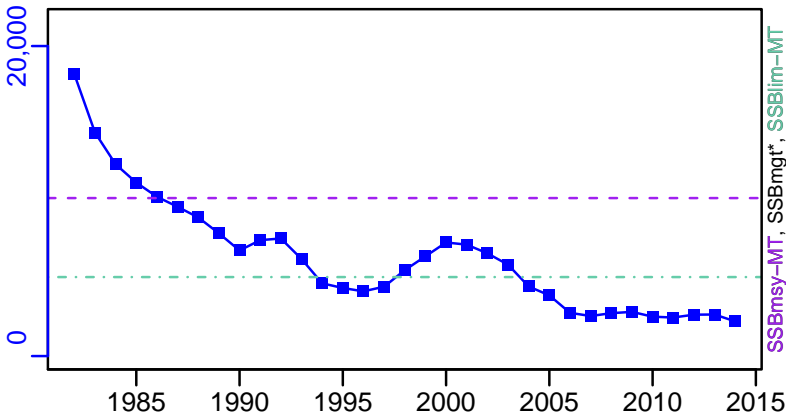
◆ Start Year ◆ End Year * No Data

Witch flounder Gulf of Maine [WITFLOUN5Y]

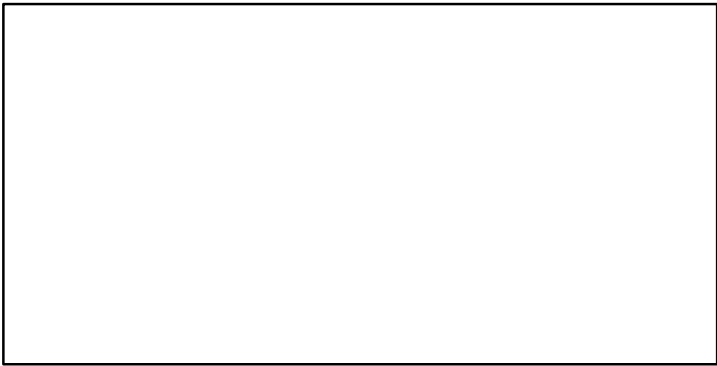
TB*



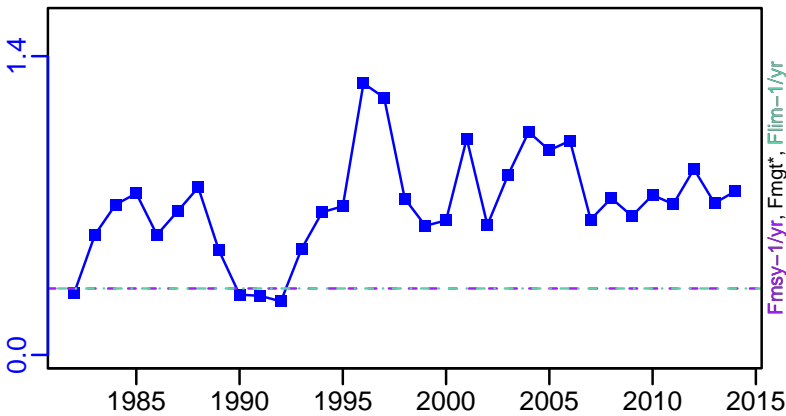
SSB-MT (1982–2014–SISIMP2016)



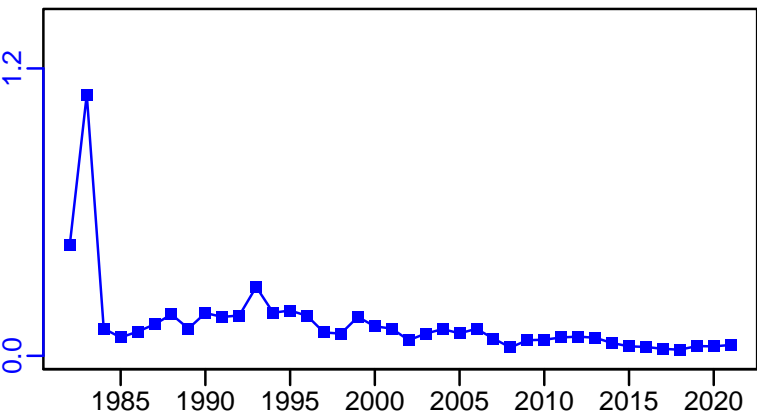
TN *



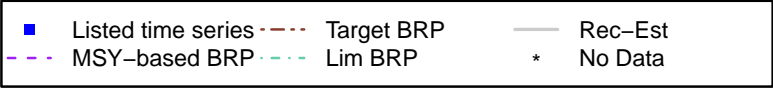
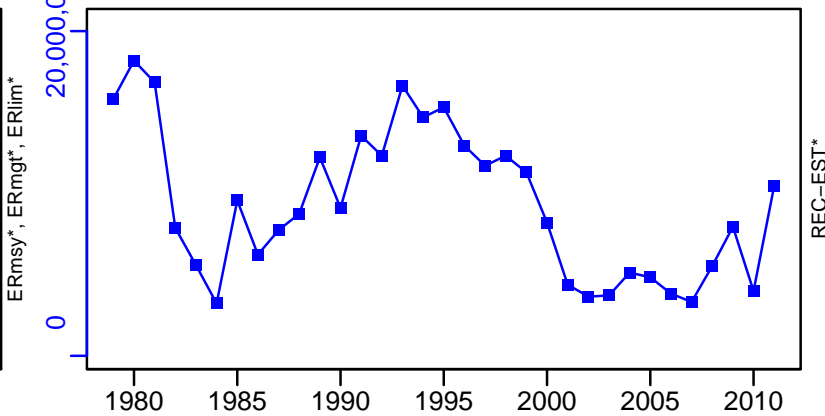
F-1/yr (1982–2014–SISIMP2016)



ER-ratio (1937–2021–SISIMP2024)

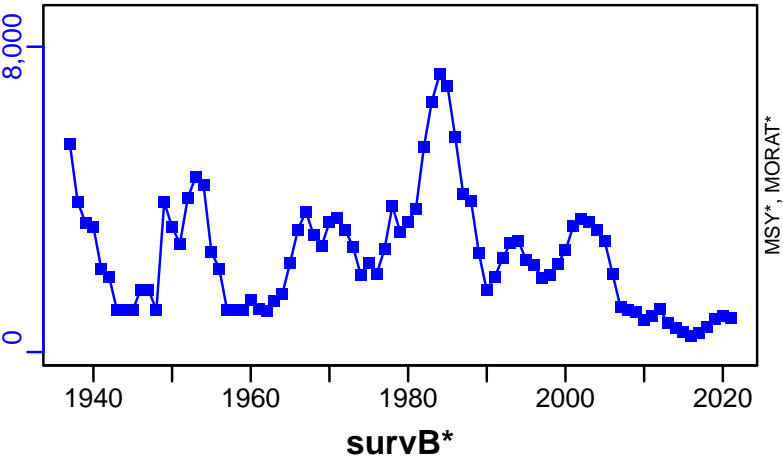


R-E00 (1982–2014–SISIMP2016)



Witch flounder Gulf of Maine [WITFLOUN5Y]

TC-MT, TL*, RecC* (1937-2021-SISIMP2024)



TAC*, Cpair*, Cadv*



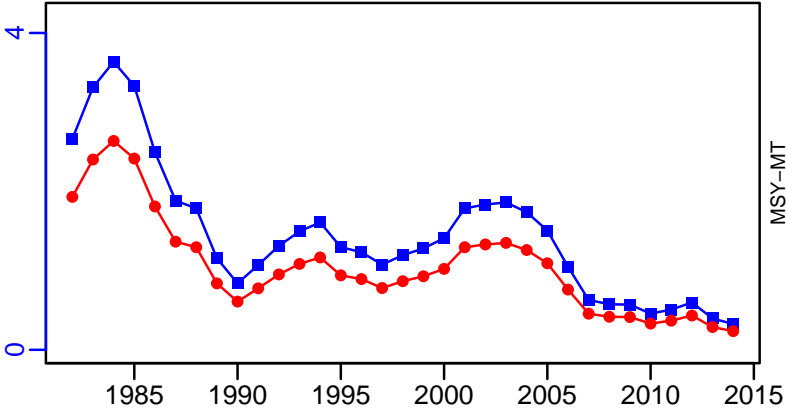
CPUE*



EFFORT*



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



Winter skate Gulf of Maine / Cape Hatteras [WSKAT5YCHATT]

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

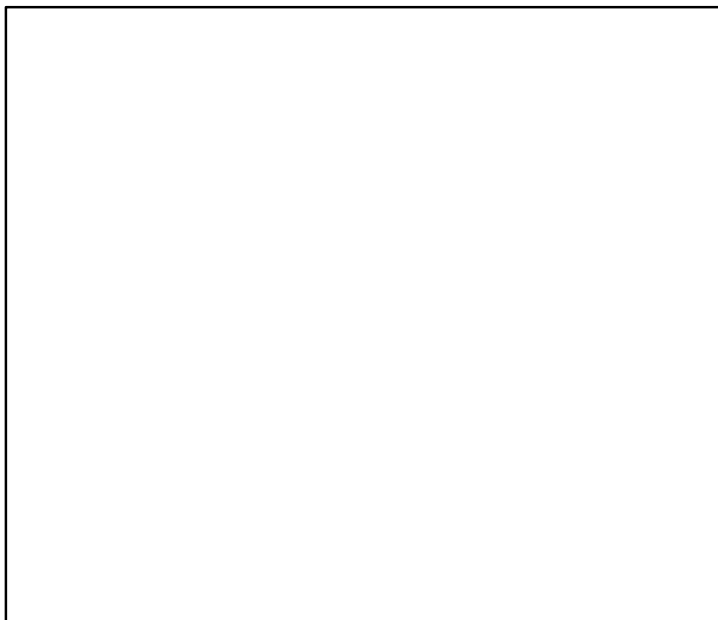
| Reference Points | | | |
|------------------|----|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | - | - | - |
| Fmsy | - | - | - |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | -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

| Time Series | | | | | |
|-------------|-------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | - | - | - | - | - |
| TN | - | - | - | - | - |
| R | - | - | - | - | - |
| F | - | - | - | - | - |
| ER | - | - | - | - | - |
| TC | TC-MT | 2005 | 3360 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

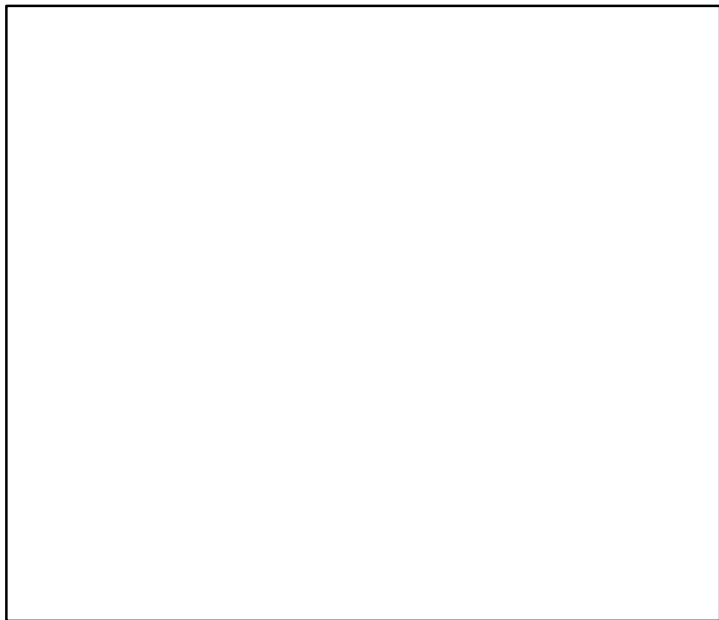
Kobe MSY*



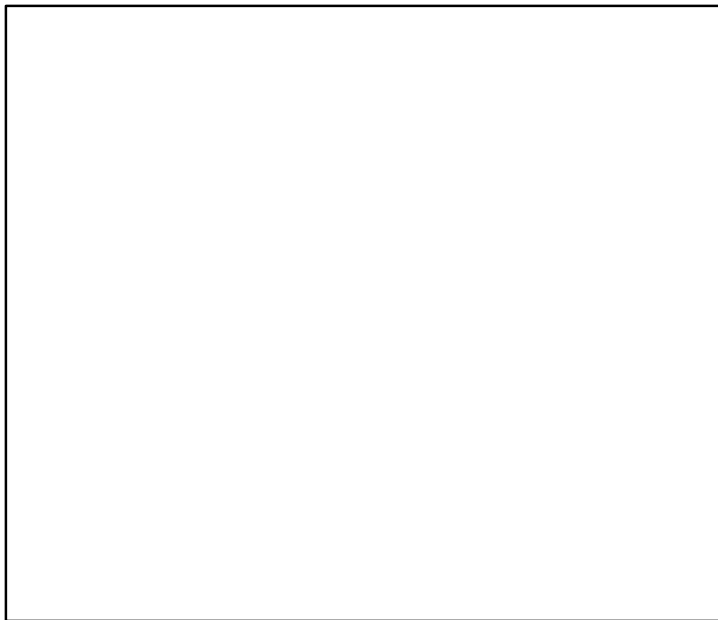
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*

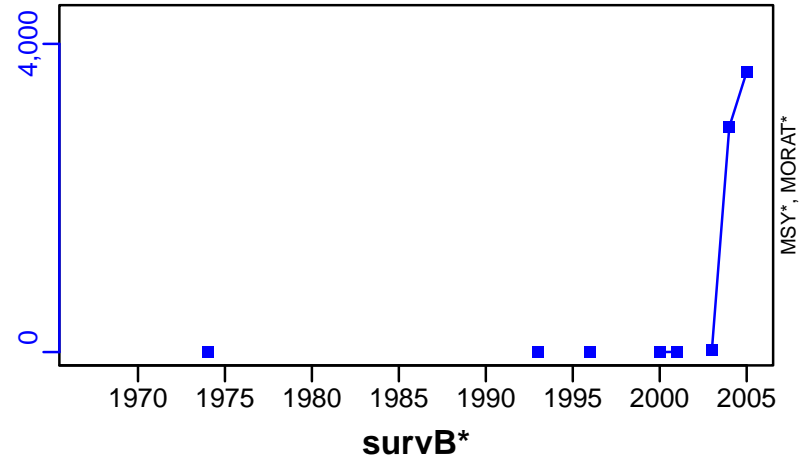


Recruits*



Winter skate Gulf of Maine / Cape Hatteras [WSKAT5YCHATT]

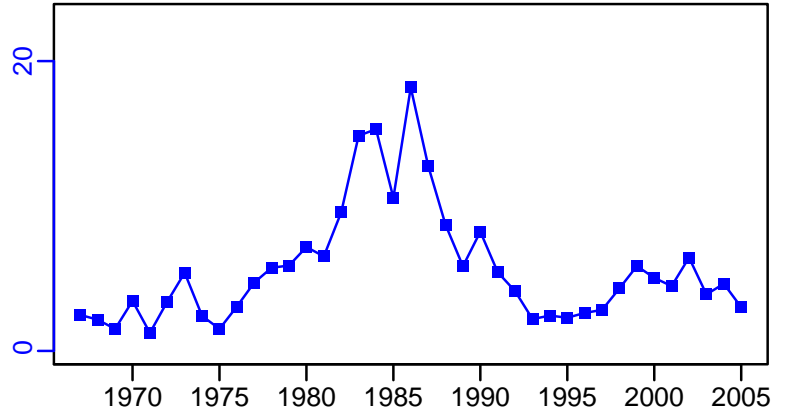
TC-MT, TL*, RecC* (1967-2005-SOSEBEE)



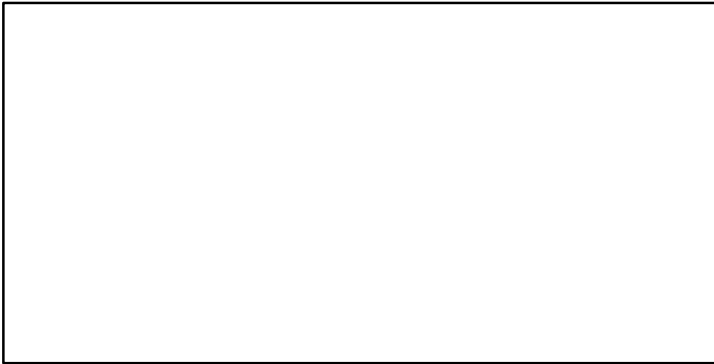
TAC*, Cpair*, Cadv*



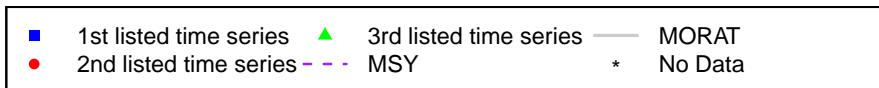
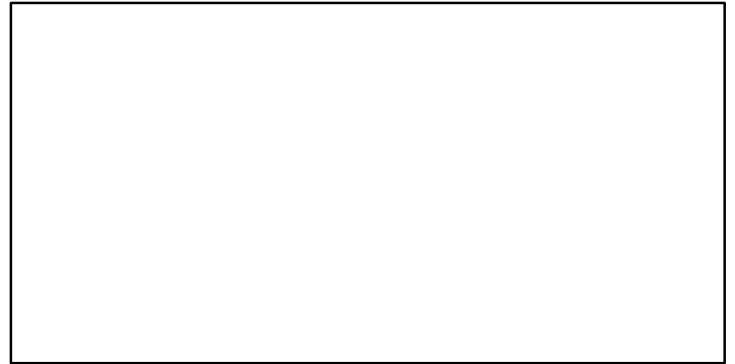
CPUE-kgpertow (1967-2005-SOSEBEE)



EFFORT*



CdivMSY*



Winter skate Georges Bank-Southern New England [WSKAT5ZSNE]

| Metadata | |
|-----------------------------|---|
| Scientific Name | Leucoraja ocellata |
| Current Assess ID | NEFSC-WSKAT5ZSNE-1968-2019-SISIMP2021-2 |
| Area | Georges Bank-Southern New England |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2018, 2019 |

| 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 | 2019 | 10,200 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | - | - | - | | |
| F/Fmsy | - | - | - | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

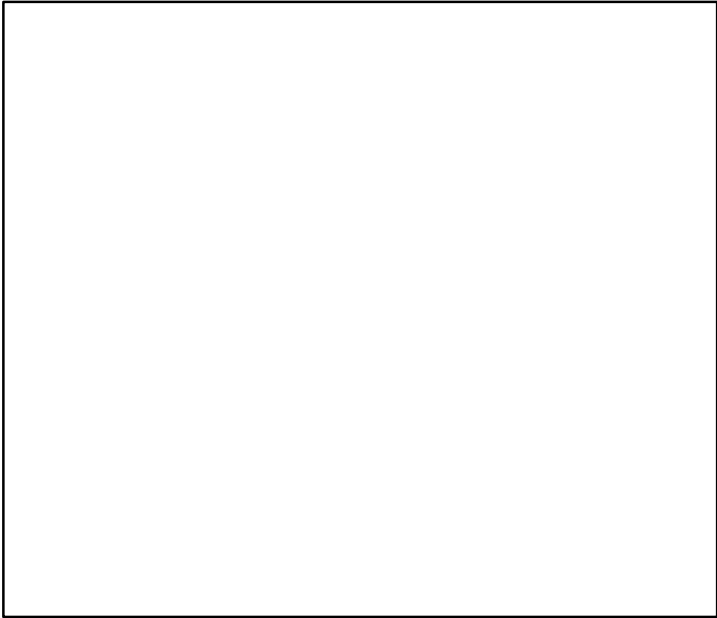
Kobe MSY*



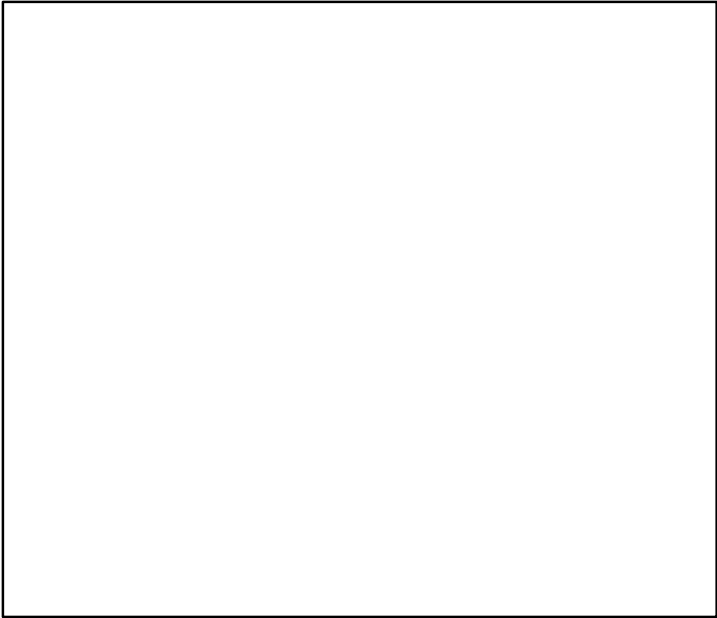
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*



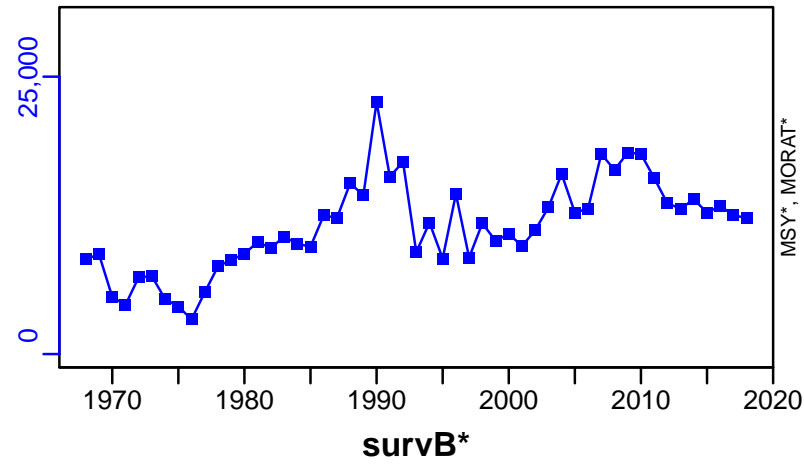
Recruits*



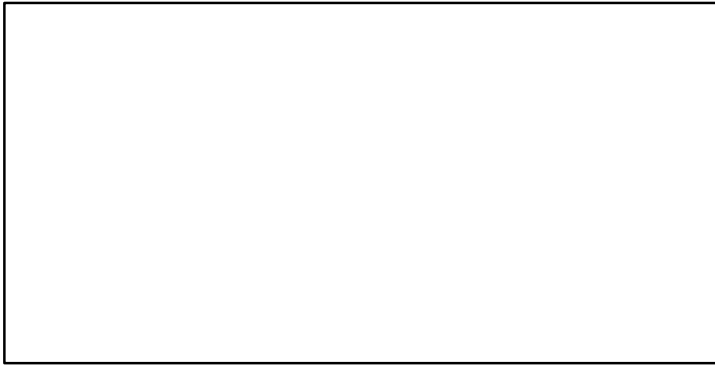
Winter skate Georges Bank–Southern New England [WSKAT5ZSNE]

TC–MT, TL*, RecC* (1968–2019–SISIMP2021–2)

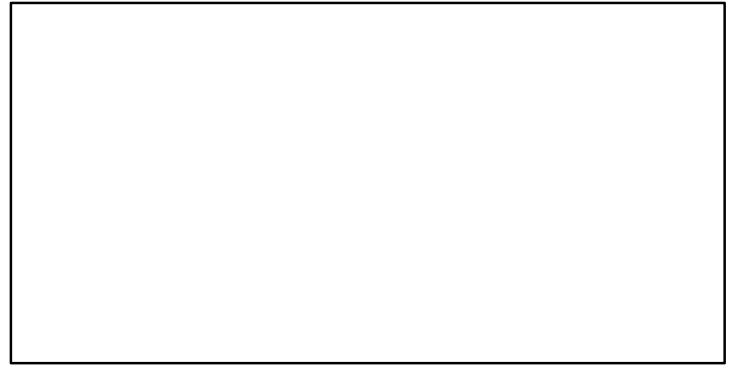
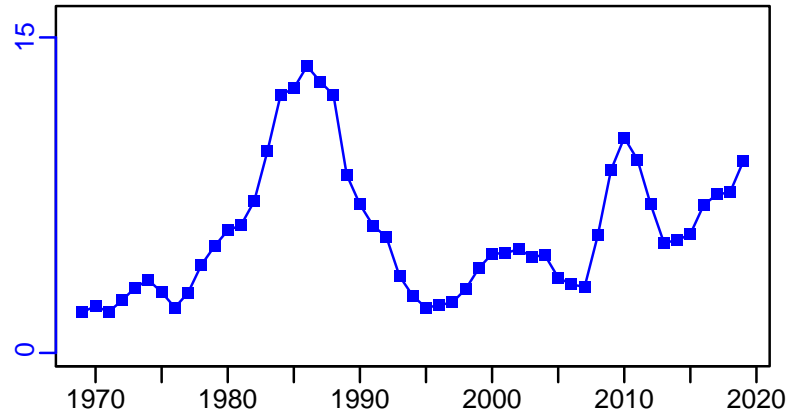
TAC*, Cpair*, Cadv*



EFFORT*



CPUE–index (1968–2019–SISIMP2021–2)



Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]

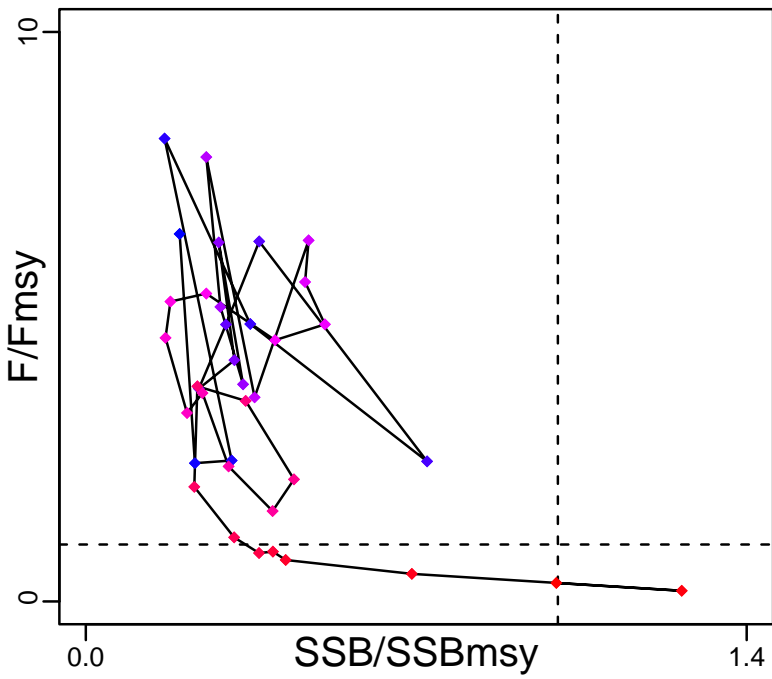
| Metadata | |
|-----------------------------|---|
| Scientific Name | Limanda ferruginea |
| Current Assess ID | NEFSC-YELLCCODGOM-1984-2021-SISIMP2024 |
| Area | Cape Cod / Gulf of Maine |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2008, 2019, 2016, 2021, 2014 |

| Reference Points | | | |
|------------------|-----------|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2021 | 3068 |
| Fmsy | Fmsy-1/yr | 2021 | 0.32 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2021 | 1008 |
| M | - | - | - |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2021 | 1534 |
| Flim | Flim-1/yr | 2019 | 0.32 |
| ERlim | - | - | - |

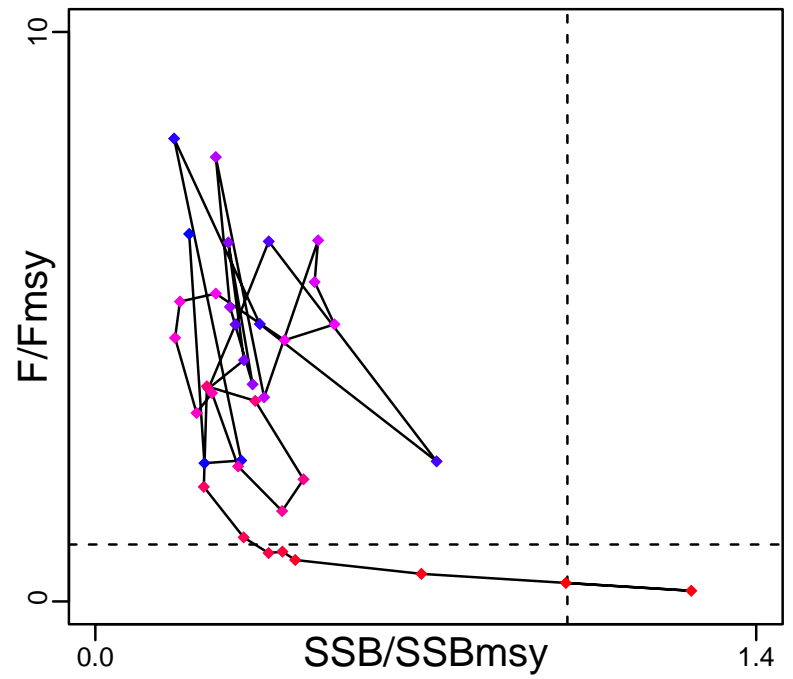
| Time Series | | | | | |
|-------------------|------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | - | - | - | - | - |
| SSB | SSB-MT | 2021 | 3058 | - | - |
| TN | TN-E00 | 2008 | 16,900,000 | - | - |
| R | R-E00 | 2021 | 10,413 | - | 1 |
| F | F-1/yr | 2021 | 0.104 | - | - |
| ER | ER-ratio | 2008 | 0.142 | - | - |
| TC | TC-MT | 2021 | 365 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2021 | 0.997 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2021 | 0.325 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]

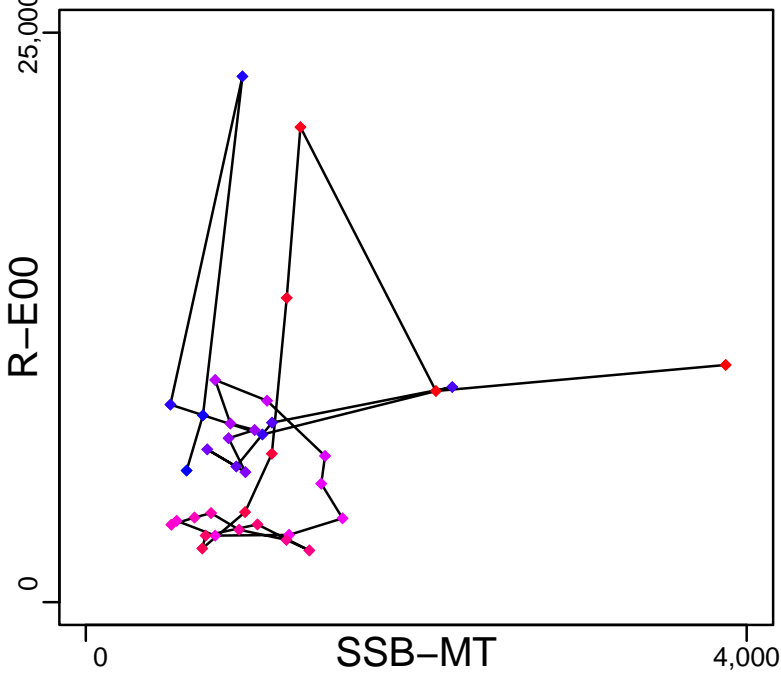
Kobe MSY_{pref} (1984–2021–SISIMP2024)



Kobe MGT_{pref} (1984–2021–SISIMP2024)



Spawner Recruit (1984–2021–SISIMP2024)



Production*



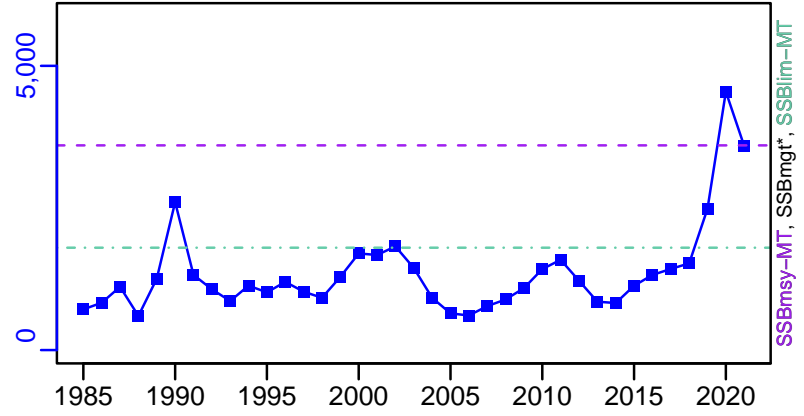
◆ Start Year ◆ End Year * No Data

Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]

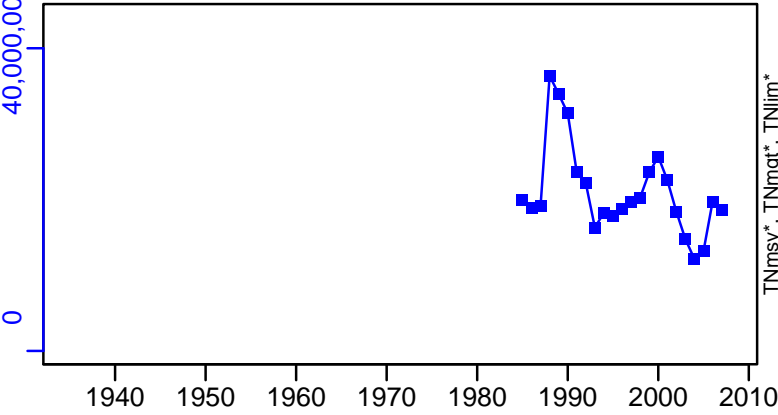
TB*



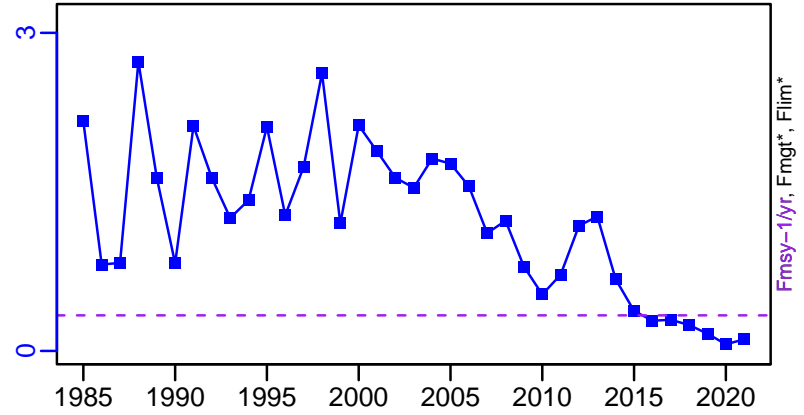
SSB-MT (1984–2021–SISIMP2024)



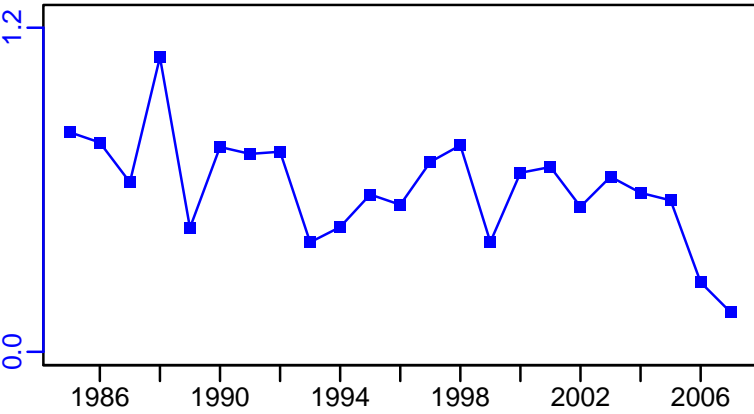
TN-E00 (1935–2008–LEGAULT)



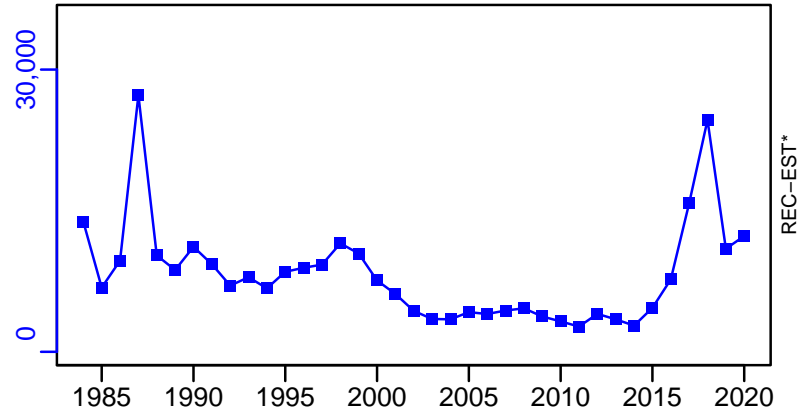
F-1/yr (1984–2021–SISIMP2024)



ER-ratio (1935–2008–LEGAULT)

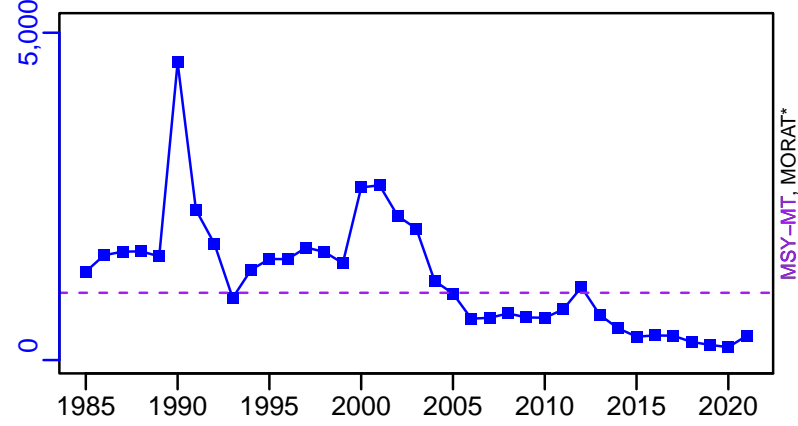


R-E00 (1984–2021–SISIMP2024)



Yellowtail flounder Cape Cod / Gulf of Maine [YELLCCODGOM]

TC-MT, TL*, RecC* (1984–2021–SISIMP2024)



TAC*, Cpair*, Cadv*



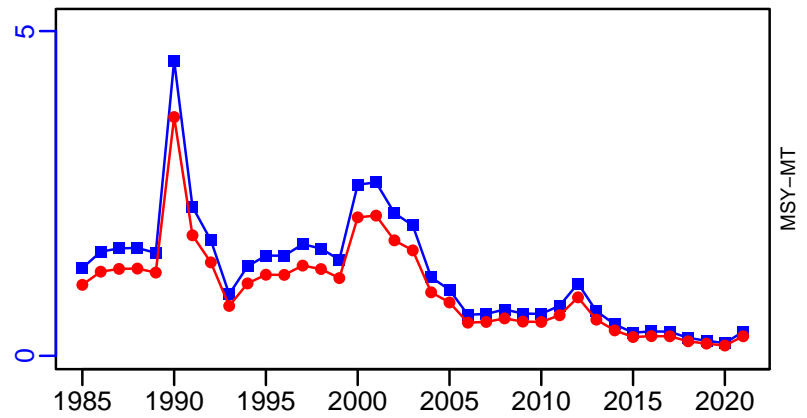
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1984–2021–SISIMP2024)



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

Yellowtail flounder Georges Bank [YELLGB]

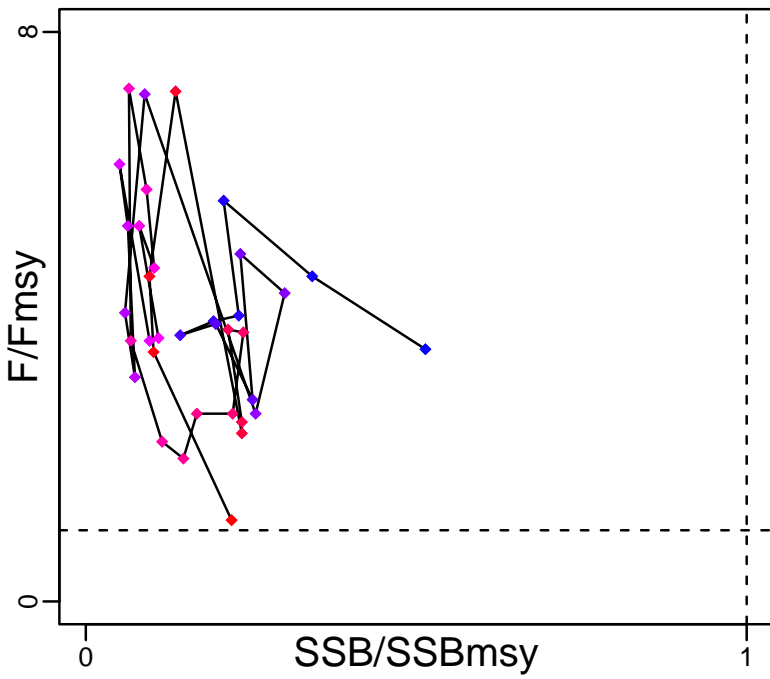
| Metadata | |
|-----------------------------|---|
| Scientific Name | Limanda ferruginea |
| Current Assess ID | NEFSC-YELLGB-1935-2021-SISIMP2021-2 |
| Area | Georges Bank |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2008, 2015, 2016, 2017, 2017, 2020, 2021 |

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

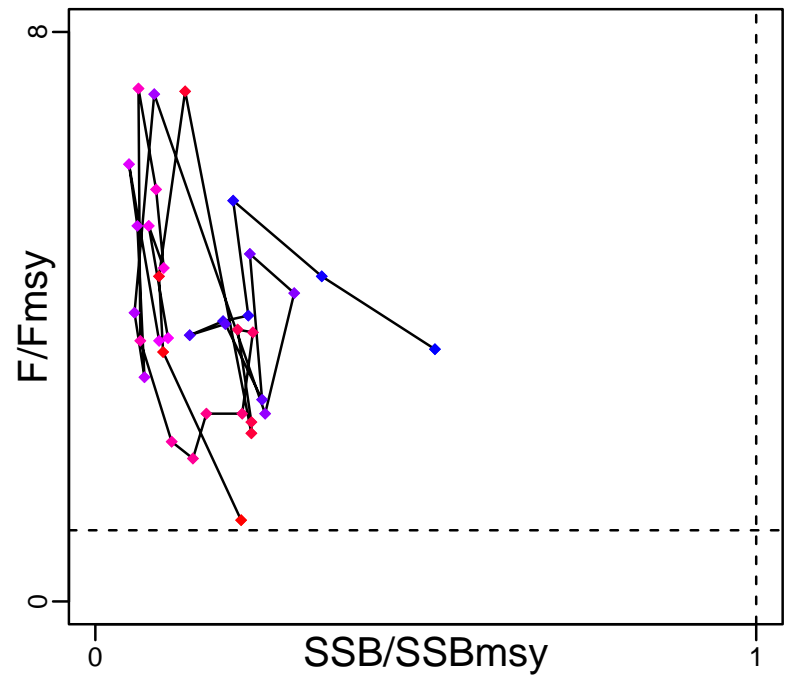
| Time Series | | | | | |
|-------------------|---------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2008 | 20,800 | - | - |
| SSB | SSB-MT | 2008 | 9530 | - | 2+ |
| TN | - | - | - | - | - |
| R | R-E00 | 2008 | 19,100,000 | - | 1 |
| F | F-1/yr | 2008 | 0.29 | - | 4+ |
| ER | ER-ratio | 2008 | 0.118 | - | - |
| TC | TC-MT | 2021 | 14 | | |
| TL | TL-MT | 2015 | 71 | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2008 | 0.221 | | |
| F/Fmsy | F-1/yr/Fmsy-pr-1/yr | 2008 | 1.142 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Yellowtail flounder Georges Bank [YELLGB]

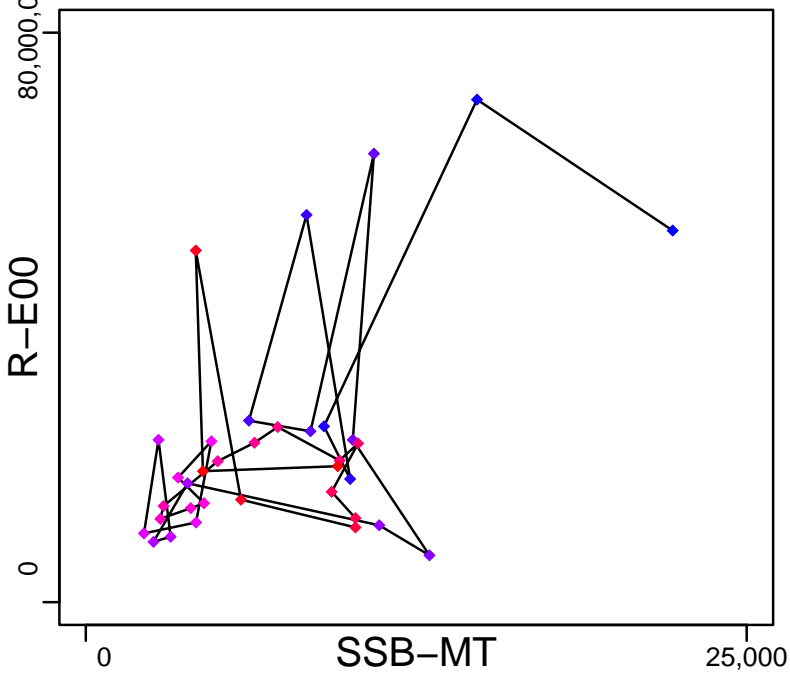
Kobe MSYpref (1935–2008–BAUM)



Kobe MGTpref (1935–2008–BAUM)



Spawner Recruit (1935–2008–BAUM)



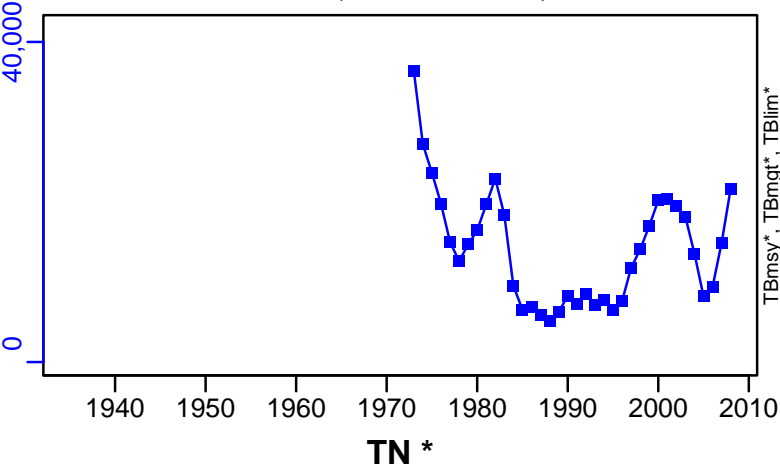
Production*



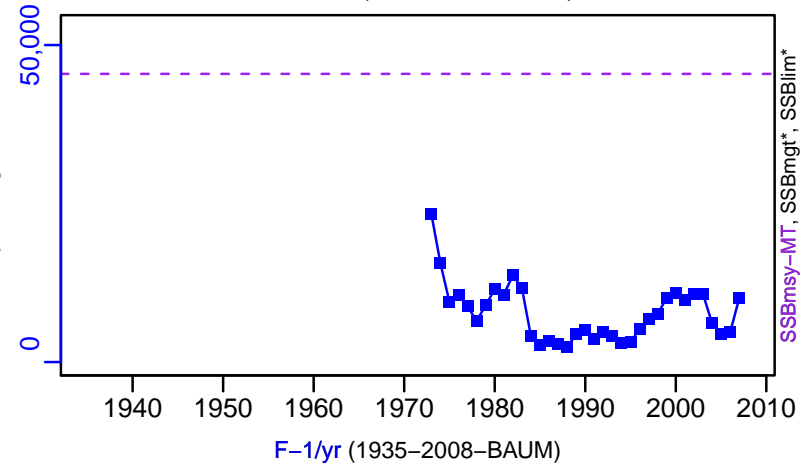
◆ Start Year ◆ End Year * No Data

Yellowtail flounder Georges Bank [YELLGB]

TB-MT (1935–2008–BAUM)



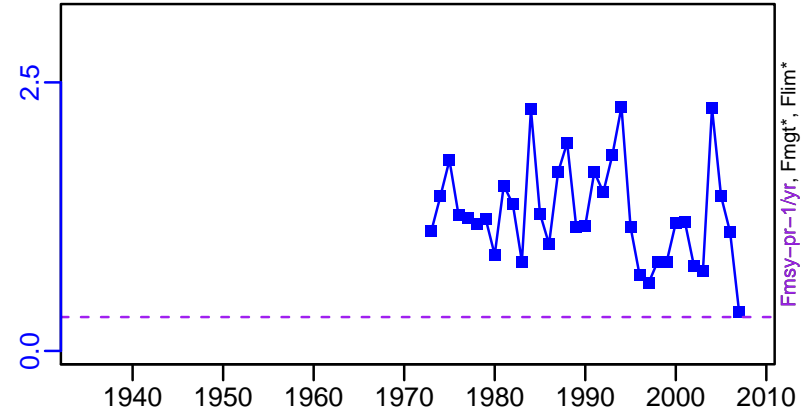
SSB-MT (1935–2008–BAUM)



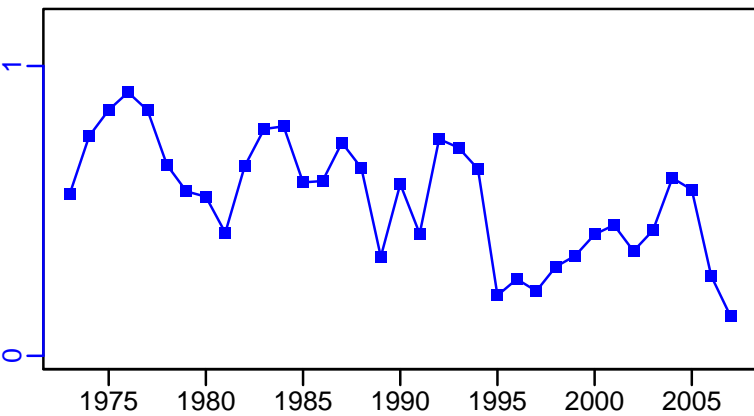
TN *



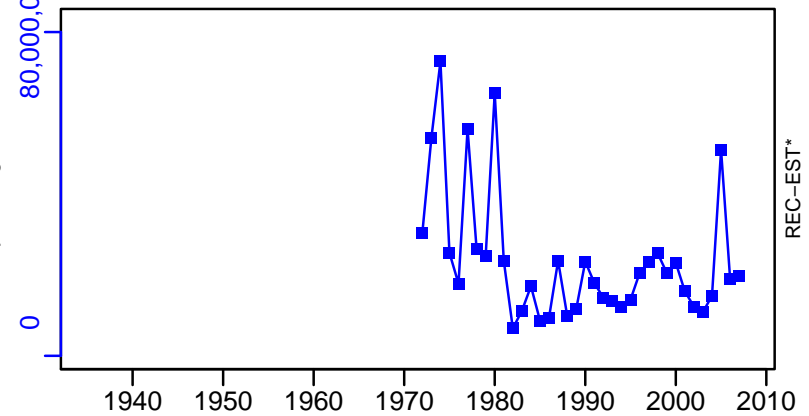
F-1/yr (1935–2008–BAUM)



ER-ratio (1935–2008–BAUM)



R-E00 (1935–2008–BAUM)



Yellowtail flounder Georges Bank [YELLGB]

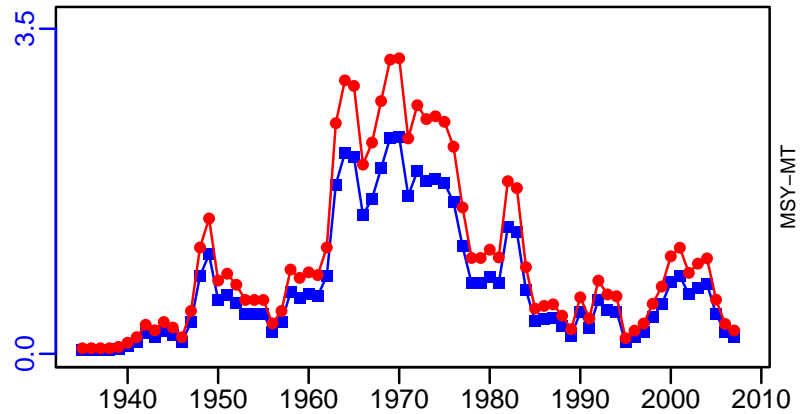
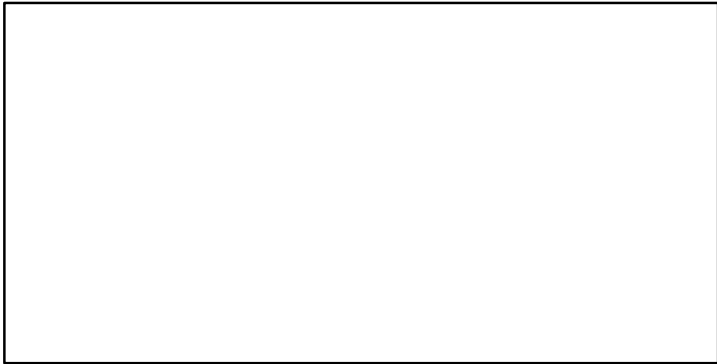
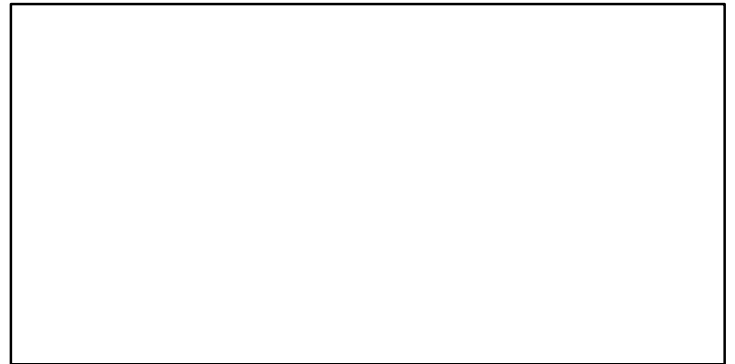
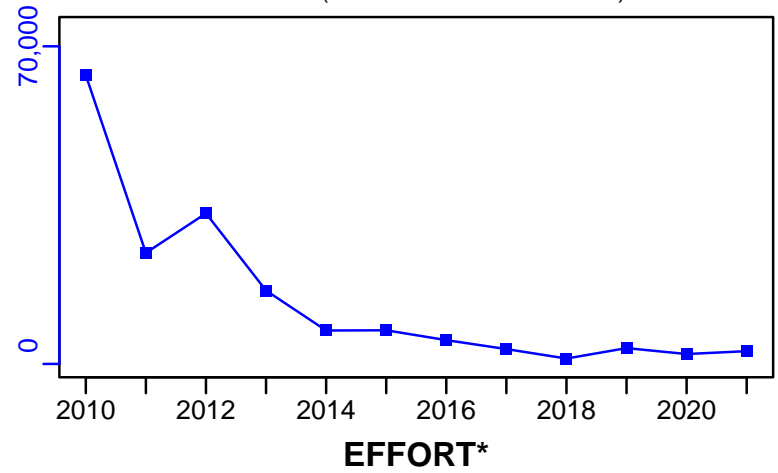
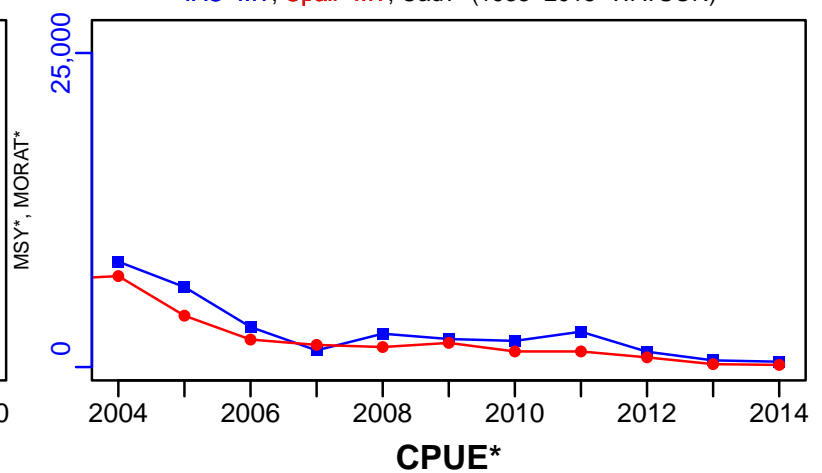
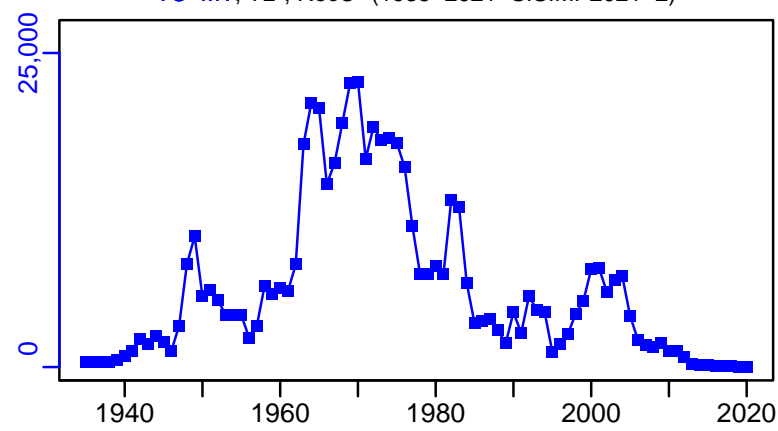
TC-MT, TL*, RecC* (1935-2021-SISIMP2021-2)

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

survB-MT (1935-2021-SISIMP2021-2)

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

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



Yellowtail flounder Southern New England /Mid Atlantic [YELLSNEMATL]

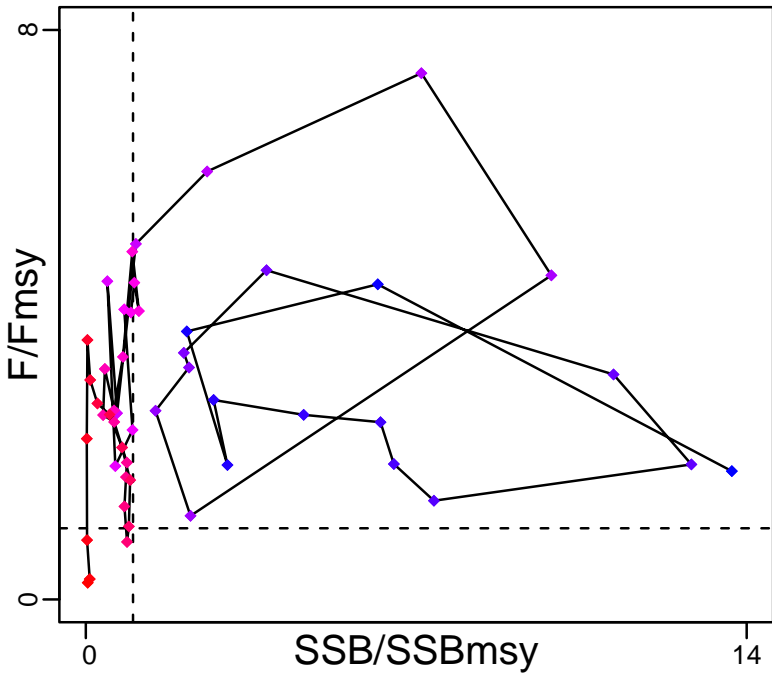
| Metadata | |
|-----------------------------|---|
| Scientific Name | Limanda ferruginea |
| Current Assess ID | NEFSC-YELLSNEMATL-1935-2022-SISIMP2024 |
| Area | Southern New England /Mid Atlantic |
| Management Authority | National Marine Fisheries Service, US national management |
| Assessor | Northeast Fisheries Science Center |
| Asmts in RAM | 2011, 2018, 2022, 2016, 2014 |

| Reference Points | | | |
|------------------|-----------|-----------|-------|
| Type | ID | Asmt Year | Value |
| TBmsy | - | - | - |
| SSBmsy | SSBmsy-MT | 2022 | 1715 |
| Fmsy | Fmsy-1/yr | 2022 | 0.349 |
| ERmsy | - | - | - |
| TBmgt | - | - | - |
| SSBmgt | - | - | - |
| Fmgt | - | - | - |
| ERmgt | - | - | - |
| TB0 | - | - | - |
| SSB0 | - | - | - |
| MSY | MSY-MT | 2022 | 461 |
| M | M-1/yr | 2011 | 0.3 |
| TBlim | - | - | - |
| SSBlim | SSBlim-MT | 2022 | 858 |
| Flim | Flim-1/yr | 2018 | 0.355 |
| ERlim | - | - | - |

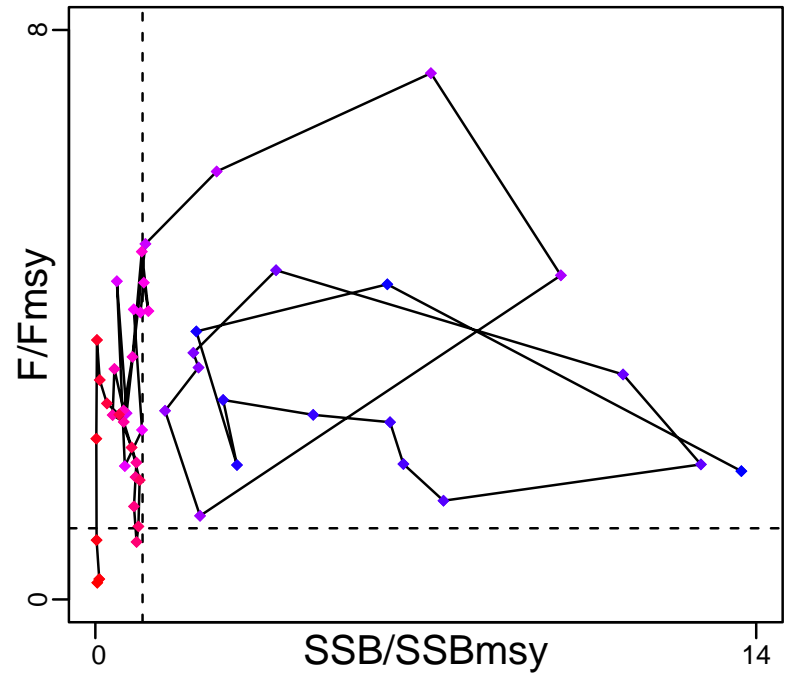
| Time Series | | | | | |
|-------------------|------------------|-----------|------------|-----|-----|
| Type | ID | Asmt Year | Curr Value | Sex | Age |
| TB | TB-MT | 2011 | 5310 | - | - |
| SSB | SSB-MT | 2022 | 174 | - | - |
| TN | - | - | - | - | - |
| R | R-E00 | 2022 | 4396 | - | 1 |
| F | F-1/yr | 2022 | 0.082 | - | - |
| ER | ER-calc-ratio | 2011 | 0.073 | - | - |
| TC | TC-MT | 2022 | 5 | | |
| TL | - | - | - | | |
| TB/TBmsy | - | - | - | | |
| SSB/SSBmsy | SSB-MT/SSBmsy-MT | 2022 | 0.101 | | |
| F/Fmsy | F-1/yr/Fmsy-1/yr | 2022 | 0.235 | | |
| ER/ERmsy | - | - | - | | |
| TB/TBmgt | - | - | - | | |
| SSB/SSBmgt | - | - | - | | |
| F/Fmgt | - | - | - | | |
| ER/ERmgt | - | - | - | | |

Yellowtail flounder Southern New England /Mid Atlantic [YELLSNEMATL]

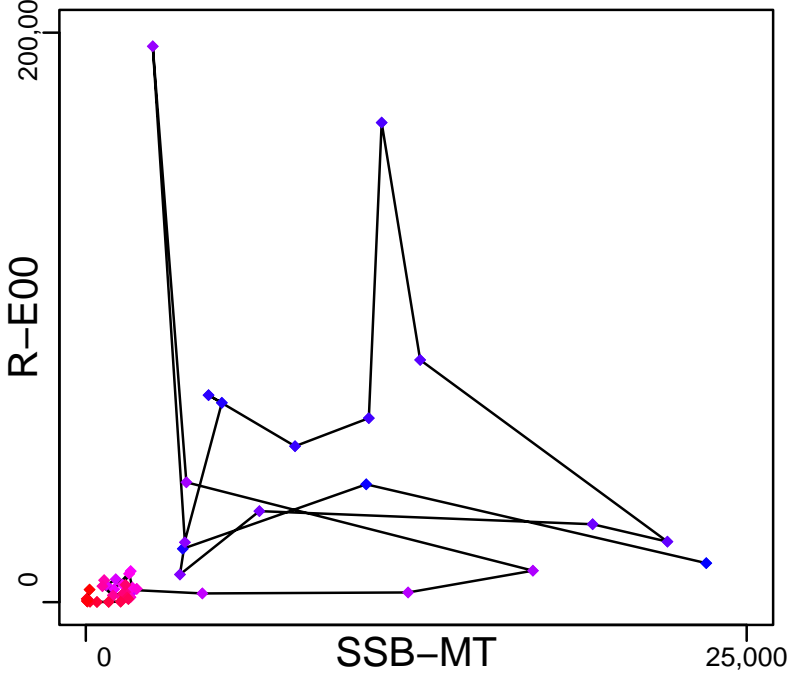
Kobe MSYpref (1935–2022–SISIMP2024)



Kobe MGTpref (1935–2022–SISIMP2024)



Spawner Recruit (1935–2022–SISIMP2024)



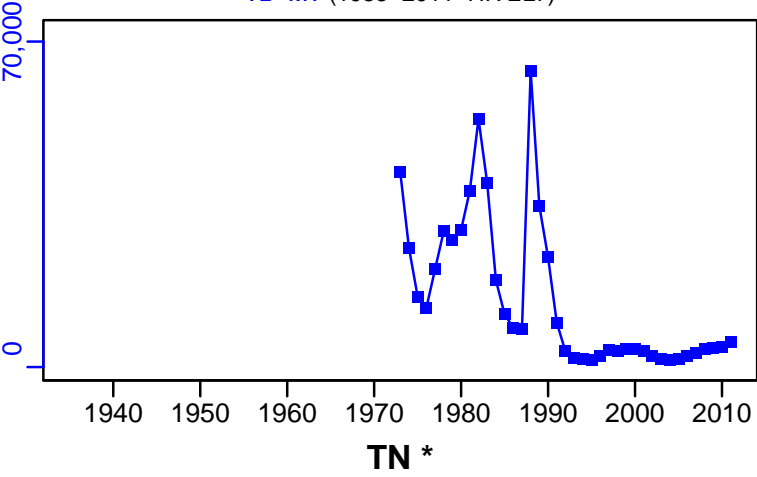
Production*



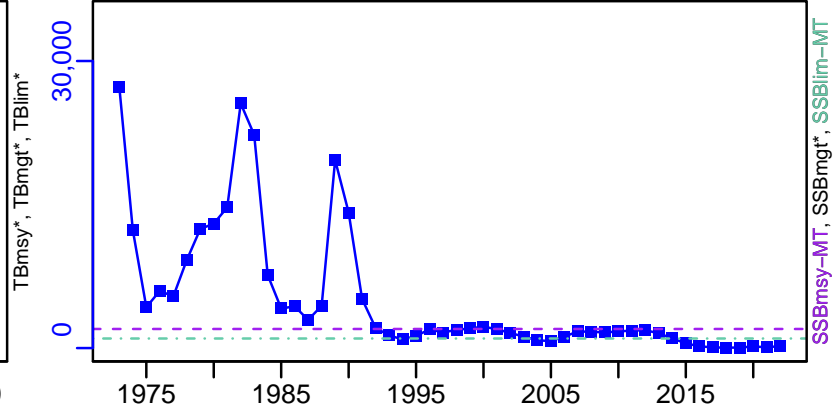
◆ Start Year ◆ End Year * No Data

Yellowtail flounder Southern New England /Mid Atlantic [YELLSNEMATL]

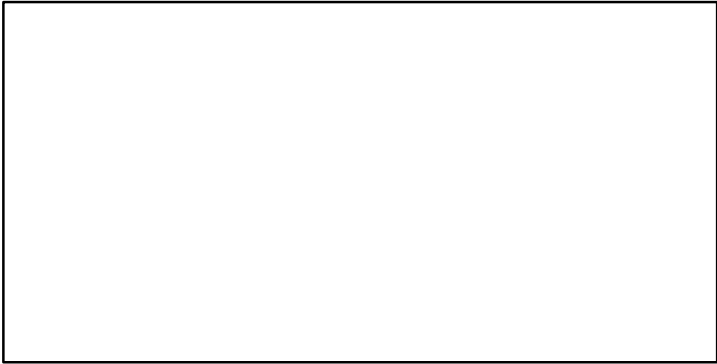
TB-MT (1935–2011–HIVELY)



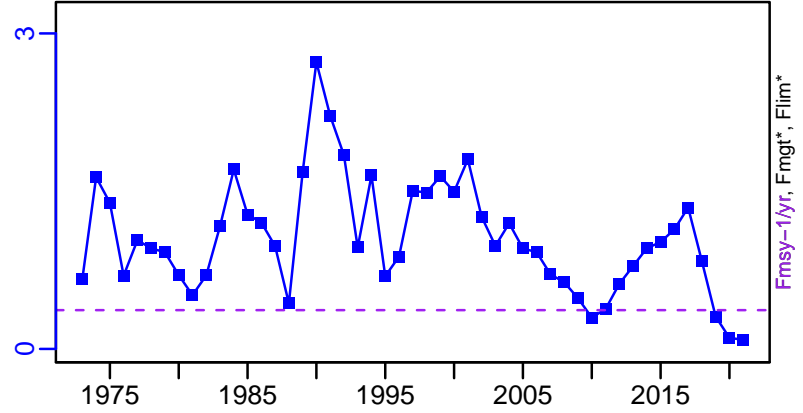
SSB-MT (1935–2022–SISIMP2024)



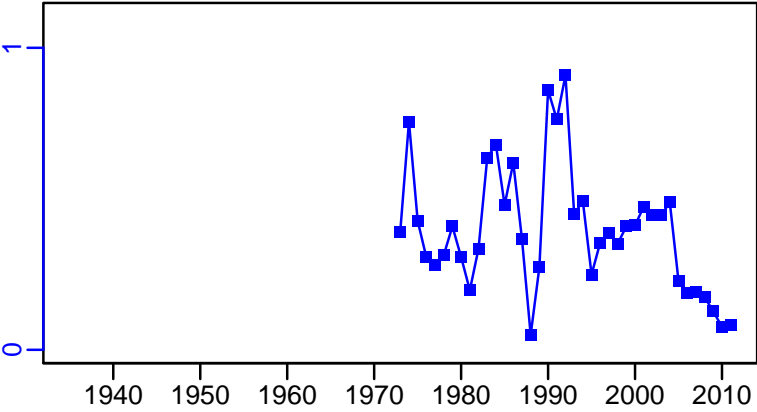
TN *



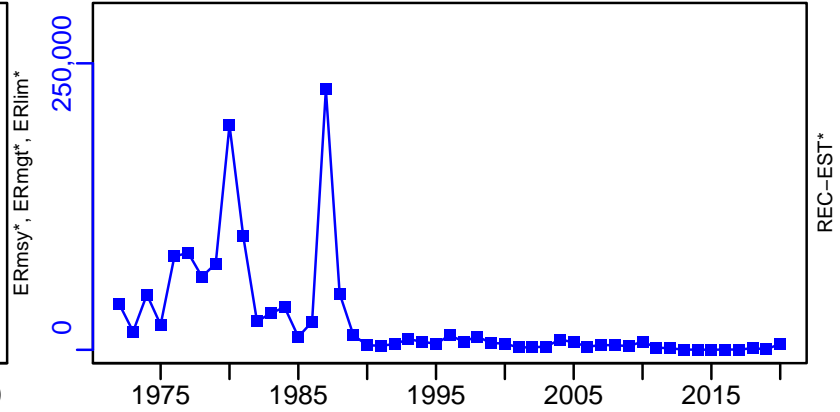
F-1/yr (1935–2022–SISIMP2024)



ER-calc-ratio (1935–2011–HIVELY)



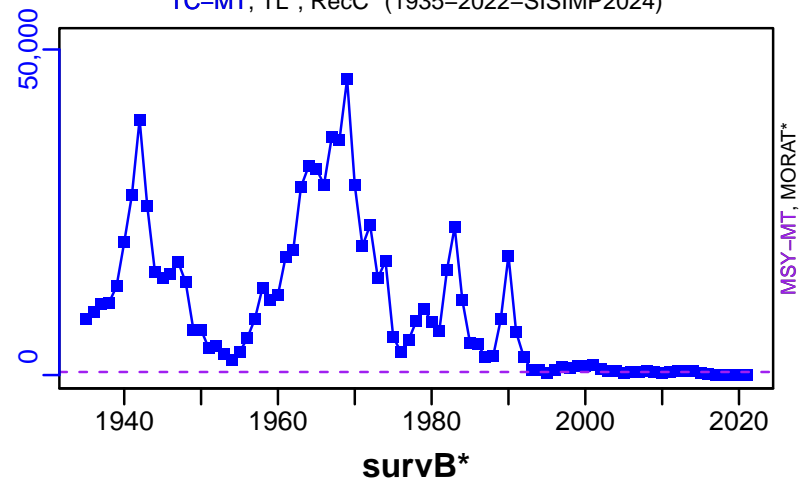
R-E00 (1935–2022–SISIMP2024)



Yellowtail flounder Southern New England /Mid Atlantic [YELLSNEMATL]

TC-MT, TL*, RecC* (1935-2022-SISIMP2024)

TAC*, Cpair*, Cadv*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1935-2022-SISIMP2024)

