

European Union Stocks

v4.41 (Aug-21-2018)

Not present Present Preferred

Stock	B/Bmsy	Time Series Types			
		U/Umsy	B/Bmgt	U/Umgt	
1. ANCHIXa [Anchovy Portugese Waters -East]	TB SSB	ER F	TB SSB	ER F	
2. ANCHOBAYB [Anchovy ICES VIII]	TB SSB	ER F	TB SSB	ER F	
3. ANGLVIIIc-IXa [Black bellied angler VIIIc-IXa]	TB SSB	ER F	TB SSB	ER F	
4. ANGLVII-VIIIabd [Black bellied angler VII and VIIIabd]	TB SSB	ER F	TB SSB	ER F	
5. BJMACKXa2 [Blue jack mackerel Azores (Xa2)]	TB SSB	ER F	TB SSB	ER F	
6. BLINGI-II-IIIa-IVa-VIII-IX-XII [Blue ling I-II-IIIa-IVa-VIII-IX-XII]	TB SSB	ER F	TB SSB	ER F	
7. BOARVI-VIII [Boarfish VI and VIII]	TB SSB	ER F	TB SSB	ER F	
8. BRILL2232 [Brill Baltic Areas 22-32]	TB SSB	ER F	TB SSB	ER F	
9. BWHITNEA [Blue Whiting Northeast Atlantic]	TB SSB	ER F	TB SSB	ER F	
10. CODBA2224 [Atlantic cod Baltic Areas 22 and 24]	TB SSB	ER F	TB SSB	ER F	
11. CODBA2532 [Atlantic cod Baltic Areas 25-32]	TB SSB	ER F	TB SSB	ER F	
12. CODIIIaW-IV-VIId [Atlantic cod IIIa (west) and IV-VIId]	TB SSB	ER F	TB SSB	ER F	
13. CODIS [Atlantic cod Irish Sea]	TB SSB	ER F	TB SSB	ER F	
14. CODKAT [Atlantic cod Kattegat]	TB SSB	ER F	TB SSB	ER F	
15. CODVIa [Atlantic cod West of Scotland]	TB SSB	ER F	TB SSB	ER F	
16. CODVIIek [Atlantic Cod Celtic Sea]	TB SSB	ER F	TB SSB	ER F	
17. CUSKVa-XIV [Tusk Va and XIV]	TB SSB	ER F	TB SSB	ER F	
18. CUSKVlb [Tusk Rockall Bank]	TB SSB	ER F	TB SSB	ER F	
19. CUSKXII [Tusk North of Azores]	TB SSB	ER F	TB SSB	ER F	
20. DAB2232 [Dab VII-VIIIabd]	TB SSB	ER F	TB SSB	ER F	
21. EBASSIVbc-VII [European seabass IVbc and VII]	TB SSB	ER F	TB SSB	ER F	
22. EBASSVIa-VIIb-j [European seabass VIa and VIIb-j]	TB SSB	ER F	TB SSB	ER F	
23. EBASSVIIIc-IXa [European seabass VIIIc and IXa]	TB SSB	ER F	TB SSB	ER F	
24. EFLOUN2223 [European flounder Subdivisions 22-23]	TB SSB	ER F	TB SSB	ER F	
25. EFLOUN2425 [European flounder Subdivisions 24-25]	TB SSB	ER F	TB SSB	ER F	
26. EFLOUN26-28 [European flounder Subdivisions 26-28]	TB SSB	ER F	TB SSB	ER F	
27. EFLOUN27-2932 [European flounder Subdivisions 27 and 29-32]	TB SSB	ER F	TB SSB	ER F	
28. EPOLLIV-IIIa [European pollack IIIa and North Sea]	TB SSB	ER F	TB SSB	ER F	
29. EPOLLVIII-IXa [European pollack VIII and IXa]	TB SSB	ER F	TB SSB	ER F	
30. FMEG8c9a [Fourspotted megrim ICES VIIIc-IXa]	TB SSB	ER F	TB SSB	ER F	
31. GFORKNEATL [Greater forkbeard Northeast Atlantic]	TB SSB	ER F	TB SSB	ER F	
32. GGURNIIIa-IV-VIId [Grey gurnard IIIa, VIId and North Sea]	TB SSB	ER F	TB SSB	ER F	
33. GHALV-VI-XII-XIV [Greenland halibut V-VI-XII-XIV]	TB SSB	ER F	TB SSB	ER F	
34. GOLDREDV-VI-XII-XIV [Golden Redfish V-VI-XII-XIV]	TB SSB	ER F	TB SSB	ER F	
35. HADIS [Haddock Irish Sea]	TB SSB	ER F	TB SSB	ER F	
36. HADNS-IIIa-VIa [Haddock North Sea and IIIa-VIa]	TB SSB	ER F	TB SSB	ER F	
37. HADROCK [Haddock Rockall Bank]	TB SSB	ER F	TB SSB	ER F	
38. HADVIIb-k [Haddock ICES VIIb-k]	TB SSB	ER F	TB SSB	ER F	
39. HAKENRTN [Hake Northeast Atlantic North]	TB SSB	ER F	TB SSB	ER F	

40. HAKESOTH [Hake Northeast Atlantic South]	TB SSB	ER F	TB SSB	ER F
41. HERR2224IIIa [Herring ICES 22-24-IIIa]	TB SSB	ER F	TB SSB	ER F
42. HERR2529-32 [Herring Subdivisions 25-29 and 32]	TB SSB	ER F	TB SSB	ER F
43. HERR30 [Herring ICES 30]	TB SSB	ER F	TB SSB	ER F
44. HERR31 [Herring ICES 31]	TB SSB	ER F	TB SSB	ER F
45. HERRNIRS [Herring Northern Irish Sea]	TB SSB	ER F	TB SSB	ER F
46. HERRNS-IIIa-VIId [Herring IIIa, VIId and North Sea]	TB SSB	ER F	TB SSB	ER F
47. HERRRIGA [Herring ICES 28]	TB SSB	ER F	TB SSB	ER F
48. HERRSIRS [Herring ICES VIIa-g-h-j]	TB SSB	ER F	TB SSB	ER F
49. HERRVIa [Herring ICES VIa]	TB SSB	ER F	TB SSB	ER F
50. HERRVIaVIIbc [Herring ICES VIa-VIIb-VIIc]	TB SSB	ER F	TB SSB	ER F
51. HMACKIIa-IVa-Vb-VIa-VII-VIII [Horse mackerel IIa-IVa-Vb-VIa-VII-VIII]	TB SSB	ER F	TB SSB	ER F
52. HMACKIIIa-IVbc-VIId [Horse mackerel IIIa-IVbc-VIId]	TB SSB	ER F	TB SSB	ER F
53. HMACKIXa [Horse mackerel Portugese Waters -East]	TB SSB	ER F	TB SSB	ER F
54. LINGVa [Ling Iceland Grounds]	TB SSB	ER F	TB SSB	ER F
55. MACKNEICES [Mackerel ICES Northeast Atlantic]	TB SSB	ER F	TB SSB	ER F
56. MEG8c9a [Megrim ICES VIIIc-IXa]	TB SSB	ER F	TB SSB	ER F
57. MEGSPPIVa-VIa [Megrim spp. IVa and VIa]	TB SSB	ER F	TB SSB	ER F
58. MEGVII-VIIIabd [Megrim VII-VIIIabd]	TB SSB	ER F	TB SSB	ER F
59. NEPHFU10 [Norway lobster Noup (FU 10)]	TB SSB	ER F	TB SSB	ER F
60. NEPHFU11 [Norway lobster North Minch (FU 11)]	TB SSB	ER F	TB SSB	ER F
61. NEPHFU12 [Norway lobster South Minch (FU 12)]	TB SSB	ER F	TB SSB	ER F
62. NEPHFU13 [Norway lobster Firth of Clyde and Sound of Jura (FU 13)]	TB SSB	ER F	TB SSB	ER F
63. NEPHFU14 [Norway lobster Irish Sea East (FU 14)]	TB SSB	ER F	TB SSB	ER F
64. NEPHFU15 [Norway lobster Irish Sea West (FU 15)]	TB SSB	ER F	TB SSB	ER F
65. NEPHFU16 [Norway lobster Porcupine Bank (FU 16)]	TB SSB	ER F	TB SSB	ER F
66. NEPHFU17 [Norway lobster Aran Grounds (FU 17)]	TB SSB	ER F	TB SSB	ER F
67. NEPHFU19 [Norway lobster South East and West of IRL (FU 19)]	TB SSB	ER F	TB SSB	ER F
68. NEPHFU2021 [Norway lobster Labadie, Jones and Cockburn (FU 20-21)]	TB SSB	ER F	TB SSB	ER F
69. NEPHFU22 [Norway lobster Smalls (FU 22)]	TB SSB	ER F	TB SSB	ER F
70. NEPHFU25 [Norway lobster North Galicia (FU 25)]	TB SSB	ER F	TB SSB	ER F
71. NEPHFU2627 [Norway lobster West Galicia and North Portugal (FU 26-27)]	TB SSB	ER F	TB SSB	ER F
72. NEPHFU2829 [Norway lobster South-West and South Portugal (FU 28-29)]	TB SSB	ER F	TB SSB	ER F
73. NEPHFU30 [Norway lobster Gulf of Cadiz (FU 30)]	TB SSB	ER F	TB SSB	ER F
74. NEPHFU31 [Norway lobster Cantabrian Sea (FU 31)]	TB SSB	ER F	TB SSB	ER F
75. NEPHFU32 [Norway lobster Norwegian Deepes (FU 32)]	TB SSB	ER F	TB SSB	ER F
76. NEPHFU33 [Norway lobster Off Horn Reef (FU 33)]	TB SSB	ER F	TB SSB	ER F
77. NEPHFU34 [Norway lobster Devil's Hole (FU 34)]	TB SSB	ER F	TB SSB	ER F
78. NEPHFU3-4 [Norway lobster Skagerak Kattegat (FU 3-4)]	TB SSB	ER F	TB SSB	ER F
79. NEPHFU5 [Norway lobster Botney Cut - Silver Pit (FU 5)]	TB SSB	ER F	TB SSB	ER F
80. NEPHFU6 [Norway lobster Farn Deepes (FU 6)]	TB SSB	ER F	TB SSB	ER F
81. NEPHFU7 [Norway lobster Fladen Ground (FU 7)]	TB SSB	ER F	TB SSB	ER F
82. NEPHFU8 [Norway lobster Firth of Forth (FU 8)]	TB SSB	ER F	TB SSB	ER F
83. NEPHFU9 [Norway lobster Moray Firth (FU 9)]	TB SSB	ER F	TB SSB	ER F

84. NPOUTIIla-IV [Norway pout IIIa and North Sea]	TB SSB	ER F	TB SSB	ER F
85. OROUGHYNEATL [Orange roughy Northeast Atlantic]	TB SSB	ER F	TB SSB	ER F
86. PANDALIIlaW-IVaE [Northern shrimp IIIa (west) and IVa (east)]	TB SSB	ER F	TB SSB	ER F
87. PANDALIVa [Northern shrimp Northern North Sea]	TB SSB	ER F	TB SSB	ER F
88. PLAIC2123 [European Plaice Subdivisions 21-23]	TB SSB	ER F	TB SSB	ER F
89. PLAIC2432 [European Plaice Subdivisions 24-32]	TB SSB	ER F	TB SSB	ER F
90. PLAIC7d [European Plaice ICES VIIId]	TB SSB	ER F	TB SSB	ER F
91. PLAICCELT [European Plaice ICES VIIIf-g]	TB SSB	ER F	TB SSB	ER F
92. PLAICECHW [European Plaice ICES VIIe]	TB SSB	ER F	TB SSB	ER F
93. PLAICIS [European Plaice Irish Sea]	TB SSB	ER F	TB SSB	ER F
94. PLAICNS [European Plaice North Sea]	TB SSB	ER F	TB SSB	ER F
95. PLAICVIIbc [European Plaice VIIbc]	TB SSB	ER F	TB SSB	ER F
96. PLAICVIIh-k [European Plaice VIIh-k]	TB SSB	ER F	TB SSB	ER F
97. PLAICVIII-IXa [European Plaice VIII and IXa]	TB SSB	ER F	TB SSB	ER F
98. POLLNS-VI-IIIa [Pollock ICES IIIa, VI and North Sea]	TB SSB	ER F	TB SSB	ER F
99. RBRMIX [Red seabream IX]	TB SSB	ER F	TB SSB	ER F
100. RBRMVI-VII-VIII [Red seabream VI-VII-VIII]	TB SSB	ER F	TB SSB	ER F
101. RBRMX [Red seabream Azores Grounds]	TB SSB	ER F	TB SSB	ER F
102. REDDEEPXIVb [Beaked Redfish Southeast Greenland]	TB SSB	ER F	TB SSB	ER F
103. RHGRENNEATL [Roughhead grenadier Northeast Atlantic]	TB SSB	ER F	TB SSB	ER F
104. RGENI-II-IV-Va2-VIII-IX-XIVab2 [Roundnose grenadier I-II-IV-Va2-VIII-IX-XIVab2]	TB SSB	ER F	TB SSB	ER F
105. RGENMATLR [Roundnose grenadier Mid-Atlantic Ridge]	TB SSB	ER F	TB SSB	ER F
106. RGENVb-VI-VII-XIIb [Roundnose grenadier Vb-VI-VII-XIIb]	TB SSB	ER F	TB SSB	ER F
107. RNGRENIIIa [Roundnose grenadier Kattegat and Skagerrak]	TB SSB	ER F	TB SSB	ER F
108. SARDPVIIlc-IXa [European pilchard ICES VIIlc-IXa]	TB SSB	ER F	TB SSB	ER F
109. SEELNSSA1 [Sand eel SA 1]	TB SSB	ER F	TB SSB	ER F
110. SEELNSSA2 [Sand eel SA 2]	TB SSB	ER F	TB SSB	ER F
111. SEELNSSA3 [Sand eel SA 3]	TB SSB	ER F	TB SSB	ER F
112. SEELNSSA5 [Sand eel SA 5]	TB SSB	ER F	TB SSB	ER F
113. SEELNSSA6 [Sand eel SA 6]	TB SSB	ER F	TB SSB	ER F
114. SEELNSSA7 [Sand eel SA 7]	TB SSB	ER F	TB SSB	ER F
115. SOLECS [Common sole Celtic Sea]	TB SSB	ER F	TB SSB	ER F
116. SOLEIIla-2224 [Common sole 22-24-IIla]	TB SSB	ER F	TB SSB	ER F
117. SOLEIS [Common sole Irish Sea]	TB SSB	ER F	TB SSB	ER F
118. SOLENS [Common sole North Sea]	TB SSB	ER F	TB SSB	ER F
119. SOLEVIIbc [Common sole VIIbc]	TB SSB	ER F	TB SSB	ER F
120. SOLEVIIId [Common sole ICES VIIId]	TB SSB	ER F	TB SSB	ER F
121. SOLEVIIe [Common sole Western English Channel]	TB SSB	ER F	TB SSB	ER F
122. SOLEVIIh-k [Common sole VIIh-k]	TB SSB	ER F	TB SSB	ER F
123. SOLEVIIlab [Common sole VIIlab]	TB SSB	ER F	TB SSB	ER F
124. SPRAT22-32 [Sprat ICES Baltic Areas 22-32]	TB SSB	ER F	TB SSB	ER F
125. SPRATIIla [Sprat Kattegat and Skagerrak]	TB SSB	ER F	TB SSB	ER F
126. SPRATNS [Sprat North Sea]	TB SSB	ER F	TB SSB	ER F
127. SPRATVIIde [Sprat VIIde]	TB SSB	ER F	TB SSB	ER F
128. SPRATVI-VIIabcfghijk [Sprat VI and VIIabcfghijk]	TB SSB	ER F	TB SSB	ER F
129. SPURDNEATL [Spurdog Northeast Atlantic]	TB SSB	ER F	TB SSB	ER F
130. TUR2232 [Turbot Baltic Areas 22-32]	TB SSB	ER F	TB SSB	ER F
131. TURIV [Turbot North Sea]	TB SSB	ER F	TB SSB	ER F

132. WANGLVIIIc-IXa [White anglerfish VIIIc-IXa]	TB SSB	ER F	TB SSB	ER F
133. WANGLVII-VIIIabd [White anglerfish VII and VIIIabd]	TB SSB	ER F	TB SSB	ER F
134. WHITNS-VIId [Whiting NS-VIId]	TB SSB	ER F	TB SSB	ER F
135. WHITVIa [Whiting ICES VIa]	TB SSB	ER F	TB SSB	ER F
136. WHITVIIek [Whiting ICES VIIe-k]	TB SSB	ER F	TB SSB	ER F
137. WHITVIII-IXa [Whiting VIII and IXa]	TB SSB	ER F	TB SSB	ER F

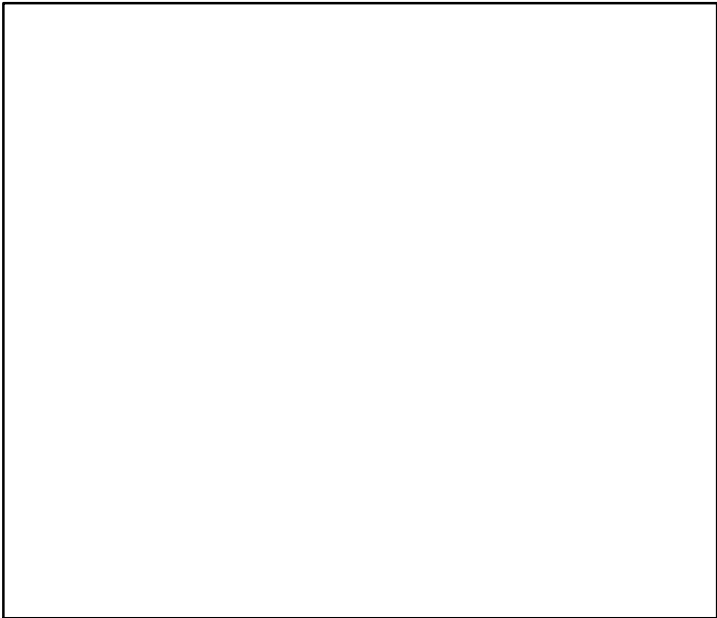
Anchovy Portuguese Waters -East [ANCHIXa]

Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	WGHANSA-ANCHIXa-1989-2016-ICESIMP2016
Area	Portugese Waters -East
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Southern Horse Mackerel, Anchovy and Sardine
Asmts in RAM	2016

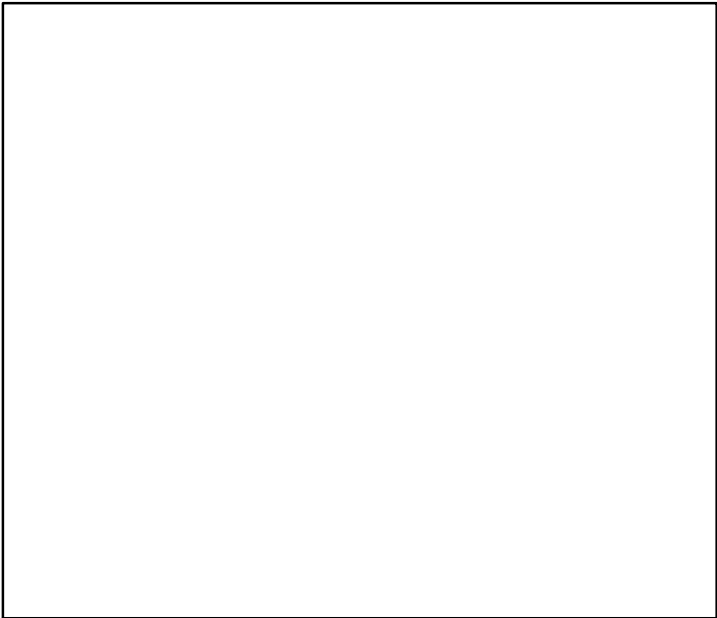
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2016	0.253	-	-
TC	-	-	-		
TL	TL-MT	2016	9420		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

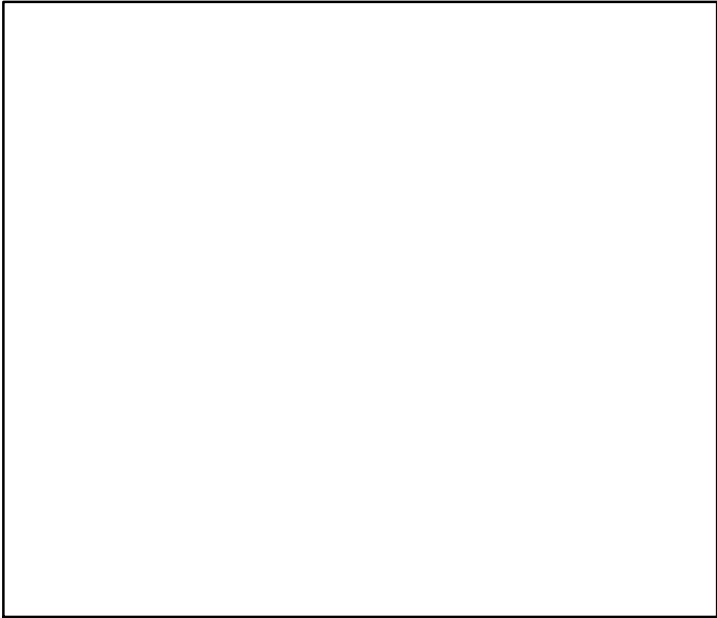
Kobe MSY*



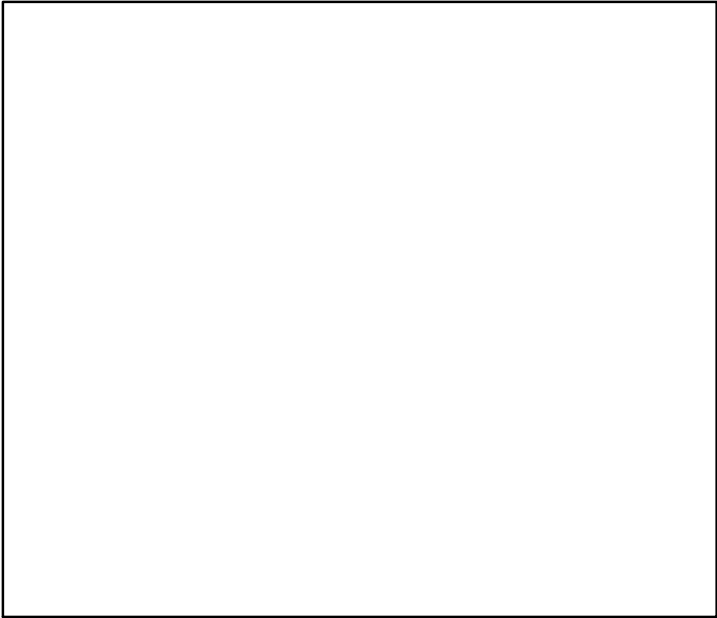
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ♦ End Year * No Data

Anchovy Portuguese Waters –East [ANCHIXa]

TB*



SSB*



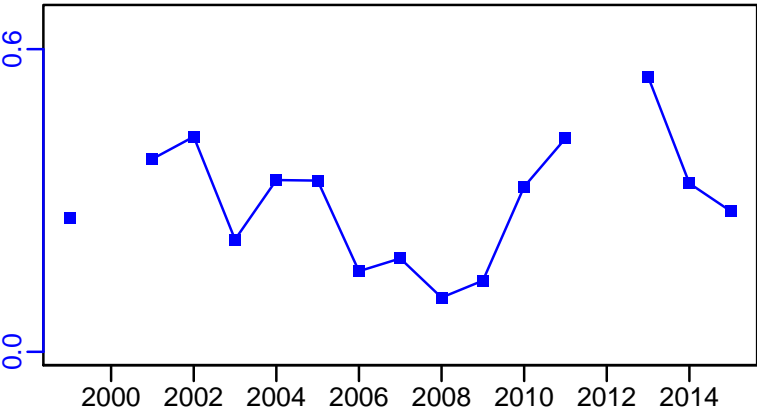
TN *



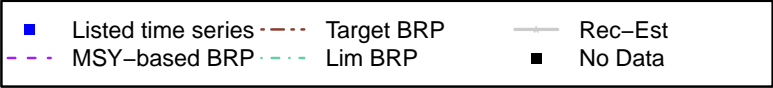
F*



ER-ratio (1989–2016–ICESIMP2016)

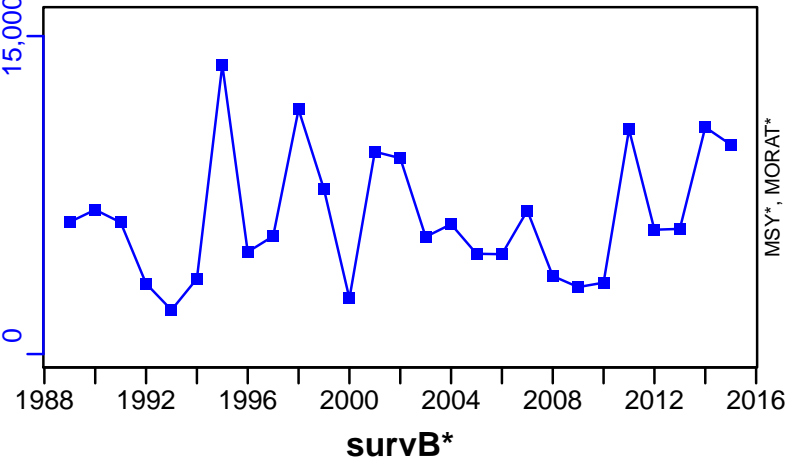


Recruits*



Anchovy Portuguese Waters –East [ANCHIXa]

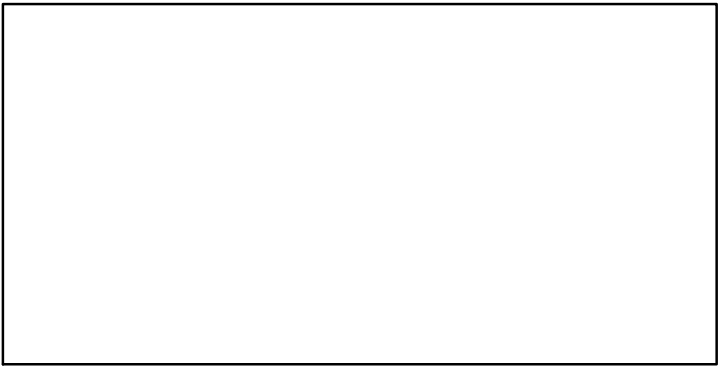
TL–MT, TC*, RecC* (1989–2016–ICESIMP2016)



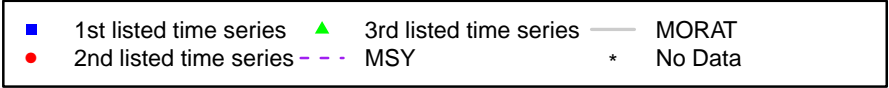
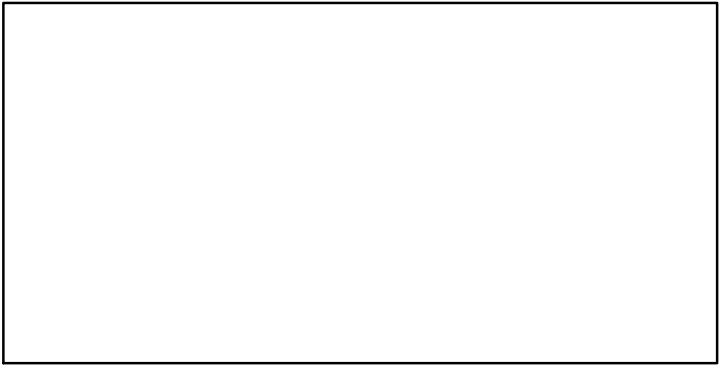
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



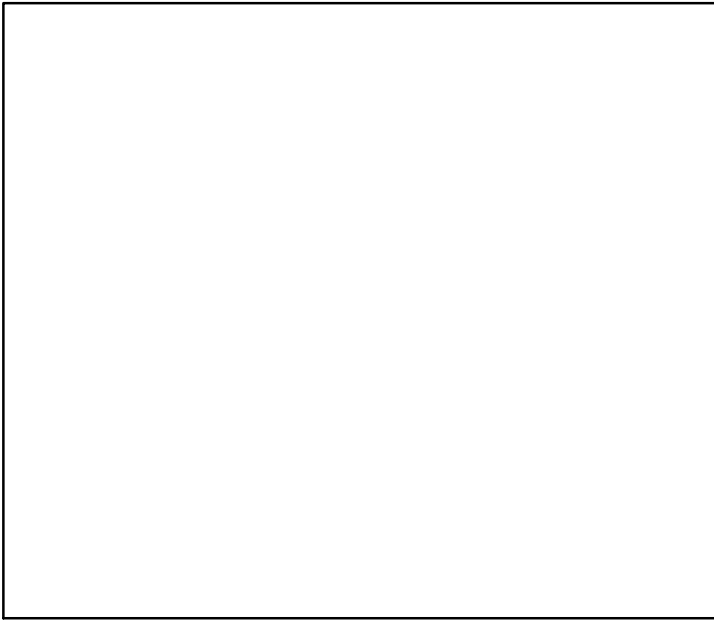
Anchovy ICES VIII [ANCHOBAYB]

Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	WGHANSA-ANCHOBAYB-1986-2015-ICESIMP2016
Area	Bay of Biscay
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Southern Horse Mackerel, Anchovy and Sardine
Asmts in RAM	2013, 2014, 2015, 2007

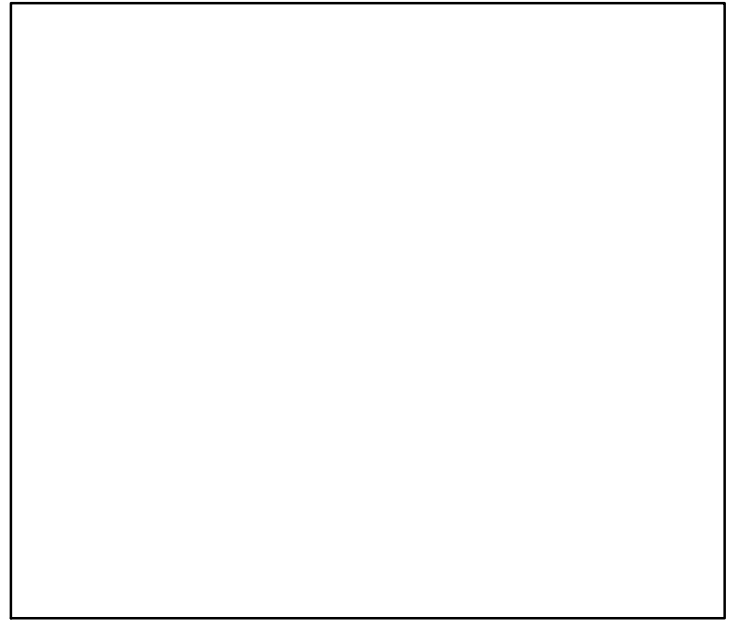
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2013	33,000
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2007	1.2
TBlim	TBlim-MT	2014	21,000
SSBlim	SSBlim-MT	2015	21,000
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	66,200	Both	-
SSB	SSB-MT	2015	147,000	Both	-
TN	-	-	-	-	-
R	R-MT	2015	134,000	-	1
F	F-1/yr	2014	0.222	-	1+
ER	ER-ratio	2015	0.17	-	-
TC	TC-MT	2015	25,100		
TL	TL-MT	2015	25,100		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2013	1.699		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

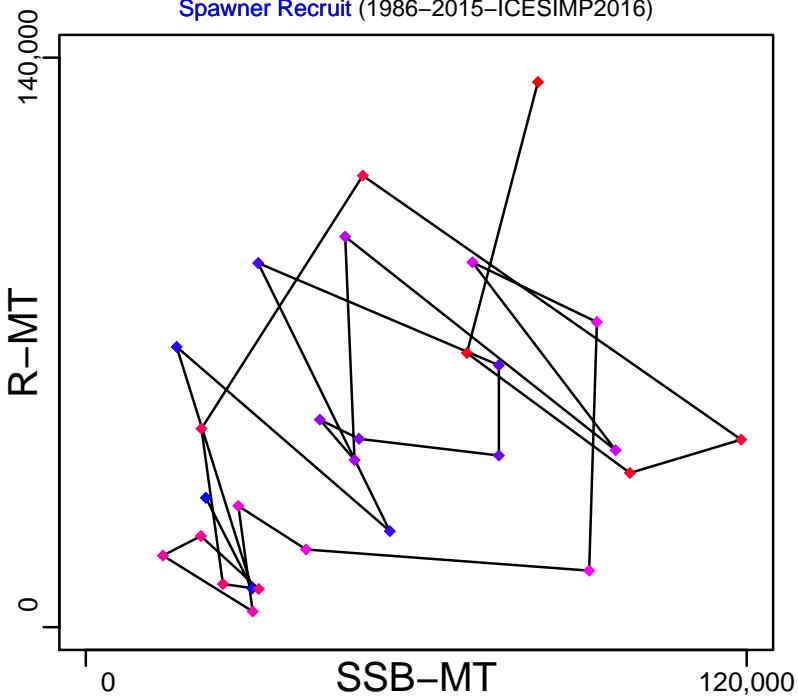
Kobe MSY*



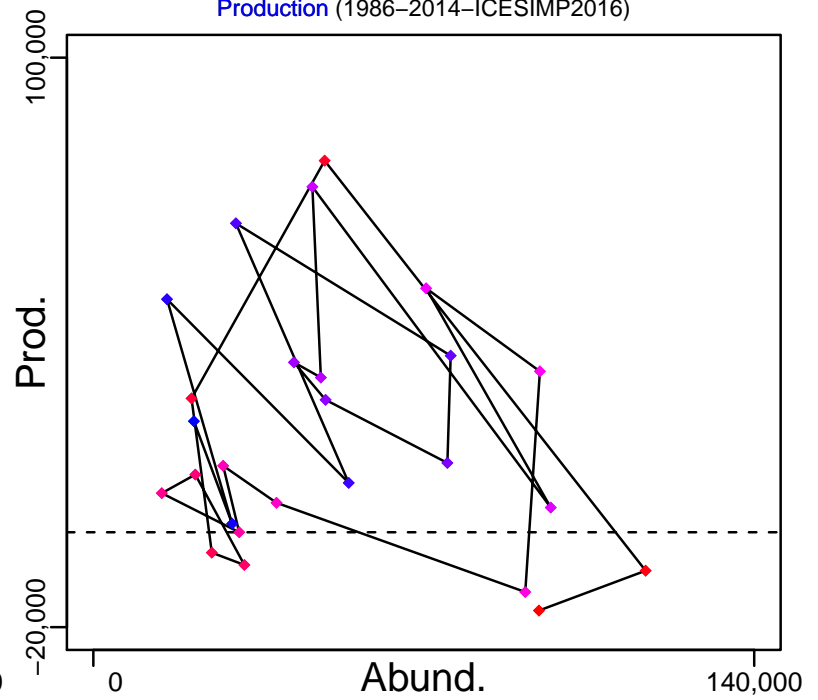
Kobe MGT*



Spawner Recruit (1986–2015–ICESIMP2016)



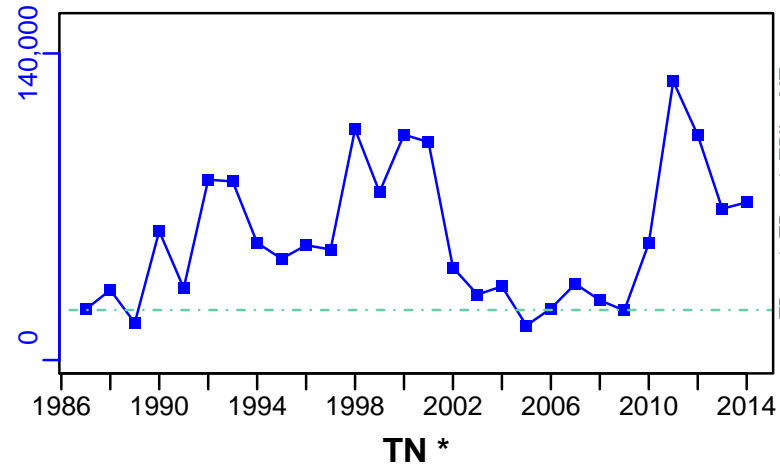
Production (1986–2014–ICESIMP2016)



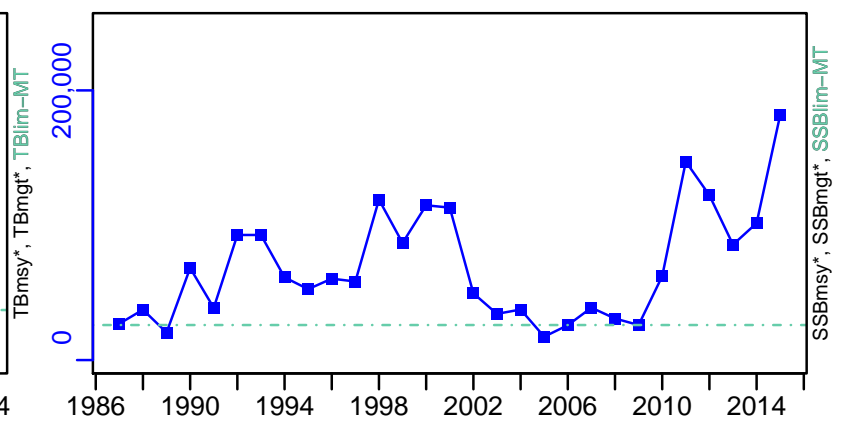
◆ Start Year ◆ End Year * No Data

Anchovy ICES VIII [ANCHOBAYB]

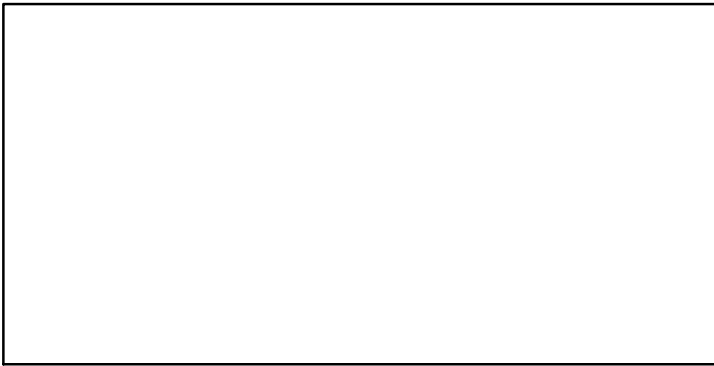
TB-MT (1986–2014–ICESIMP2016)



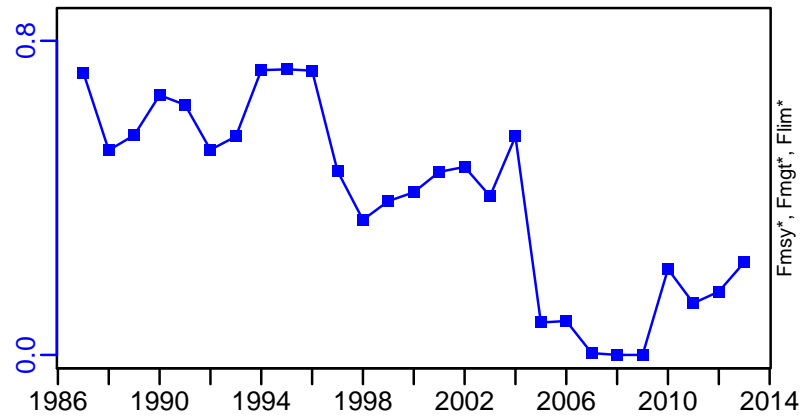
SSB-MT (1986–2015–ICESIMP2016)



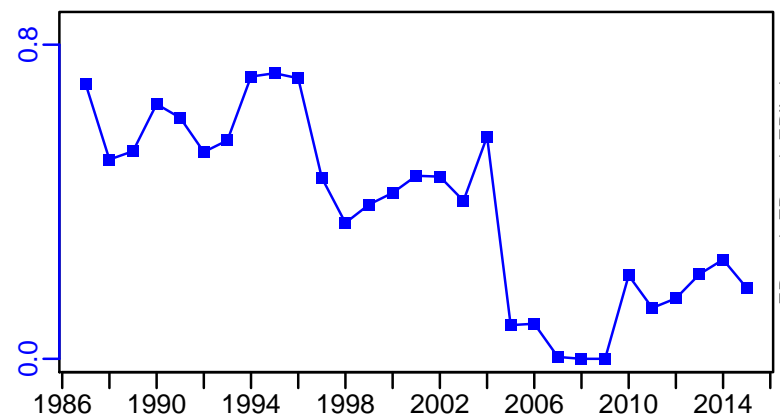
TN *



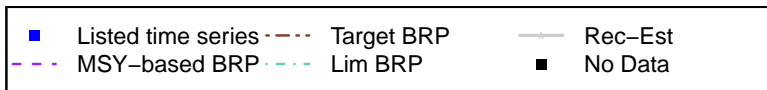
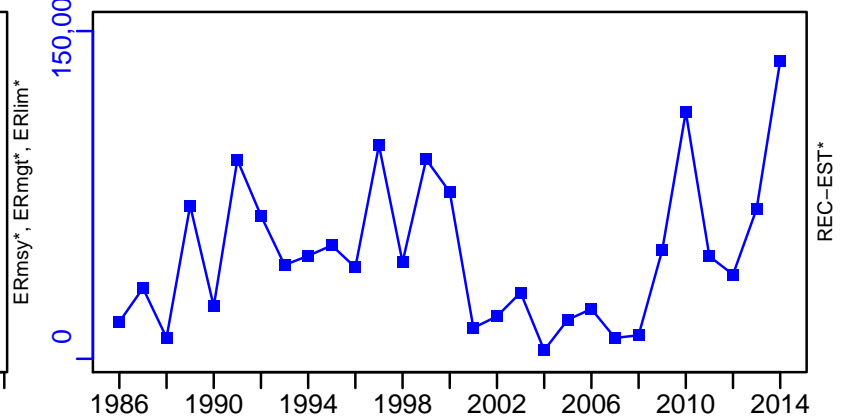
F-1/yr (1986–2014–ICESIMP2016)



ER-ratio (1986–2015–ICESIMP2016)



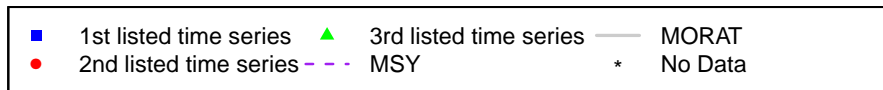
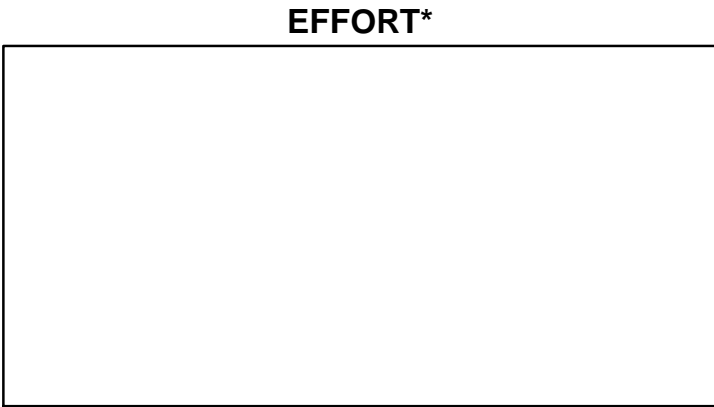
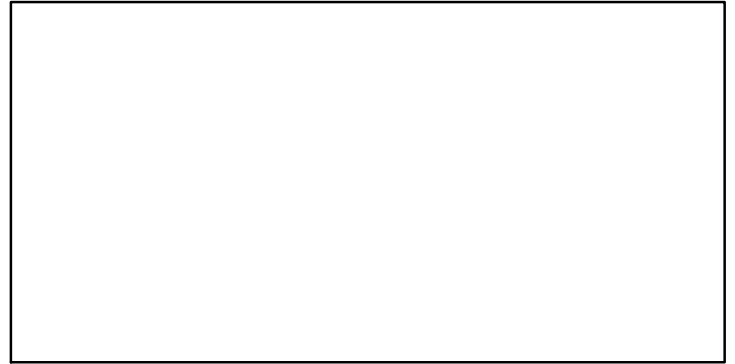
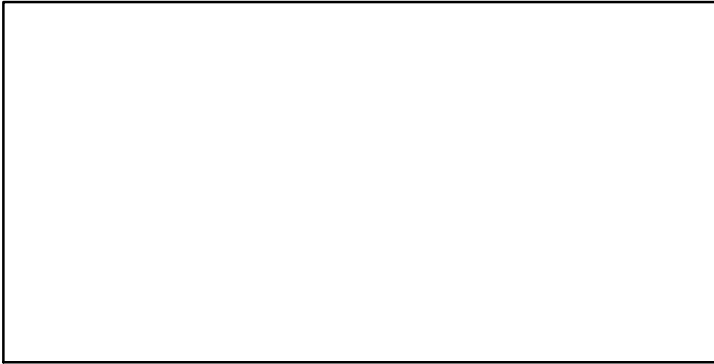
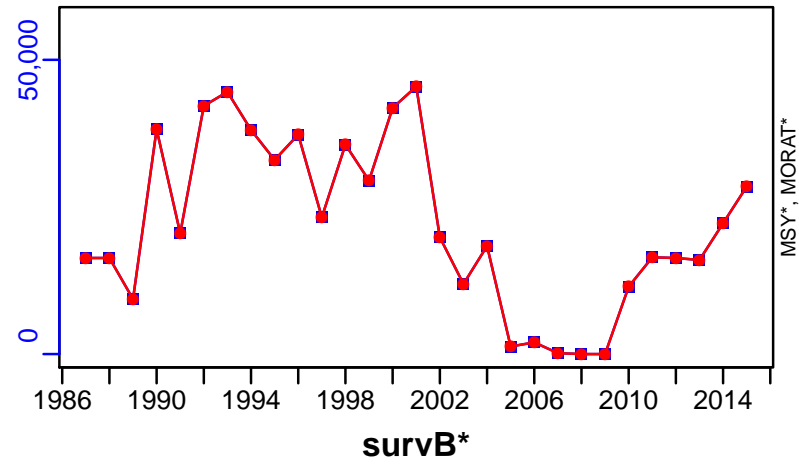
R-MT (1986–2015–ICESIMP2016)



Anchovy ICES VIII [ANCHOBAYB]

TC-MT, TL-MT, RecC* (1986–2015–ICESIMP2016)

TAC*, Cpair*, Cadv*



Black bellied angler VIIIc-IXa [ANGLVIIIc-IXa]

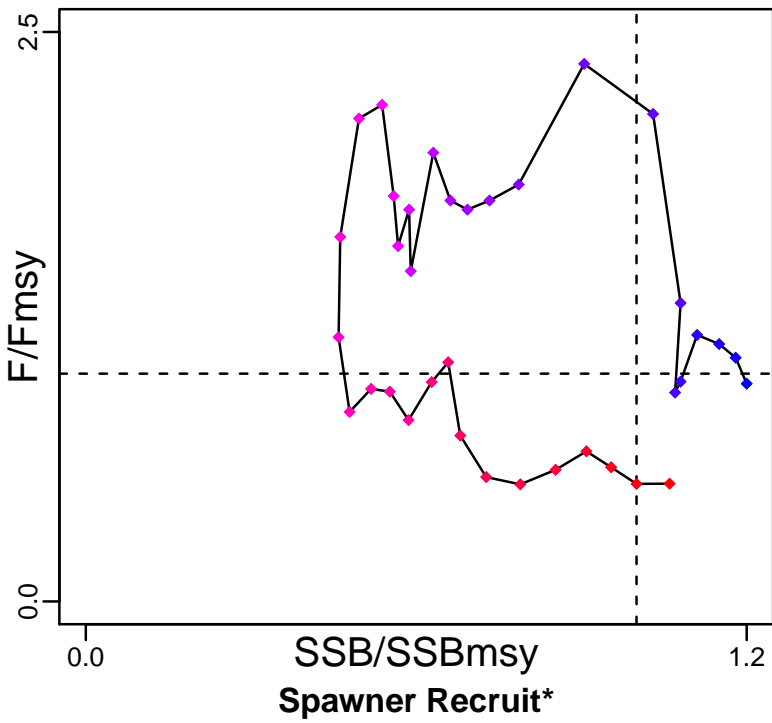
Metadata	
Scientific Name	Lophius budegassa
Current Assess ID	WGBIE-ANGLVIIIc-IXa-1980-2016-ICESIMP2016
Area	VIIIc-IXa
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2014, 2015, 2016, 2011, 2012, 2013

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

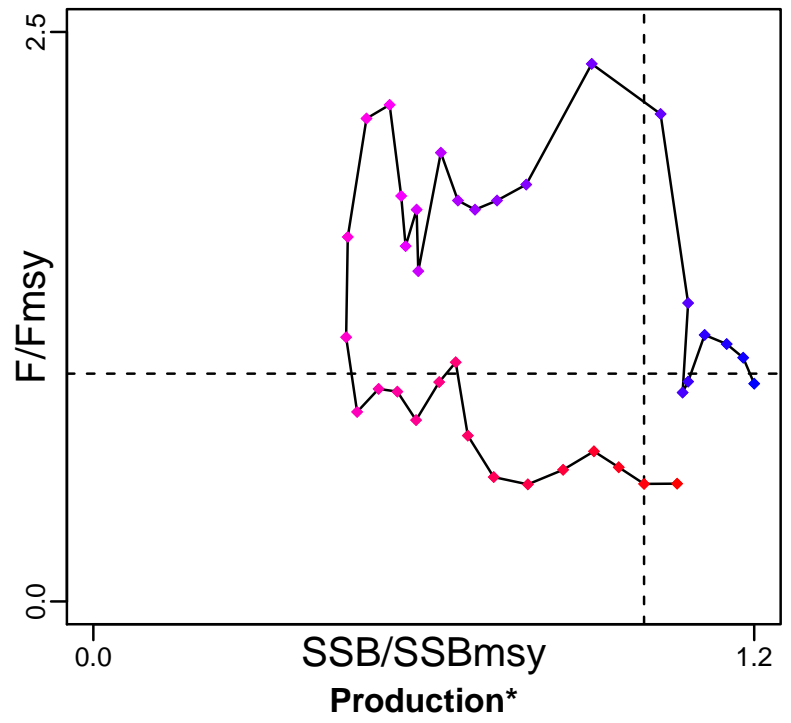
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	1040		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2016	1.11		
F/Fmsy	FdivFmsy-dimensionless	2016	0.517		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Black bellied angler VIIIc-IXa [ANGLVIIIc-IXa]

Kobe MSYpref (1980–2016–ICESIMP2016)



Kobe MGTpref (1980–2016–ICESIMP2016)



◆ Start Year ◆ End Year * No Data

Black bellied angler VIIIc-IXa [ANGLVIIIc-IXa]

TB*



SSB*



TN *



F*



ER*

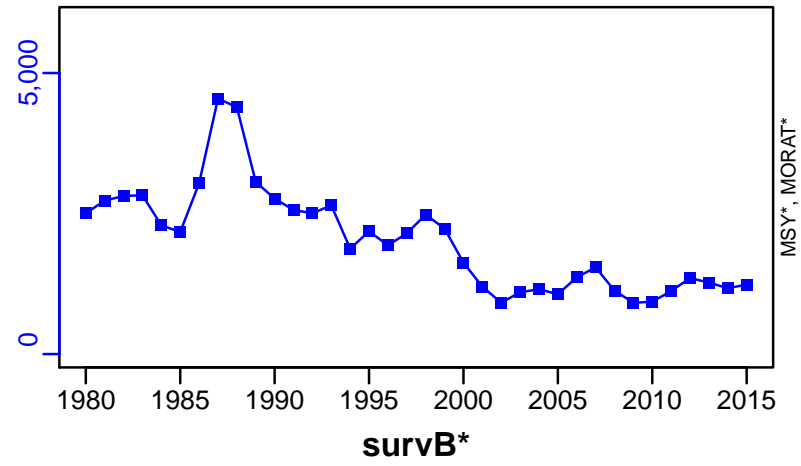


Recruits*

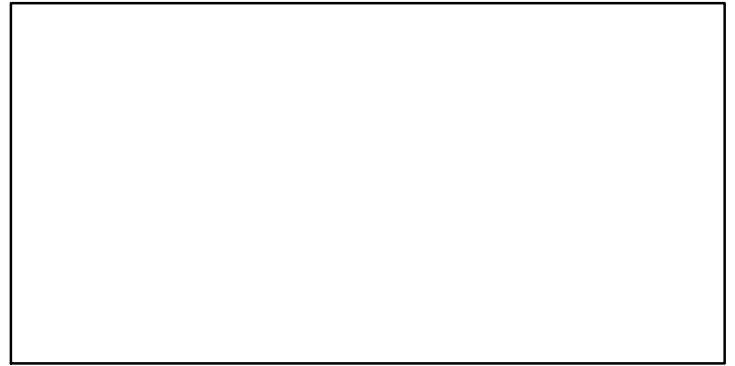


Black bellied angler VIIIc-IXa [ANGLVIIIc-IXa]

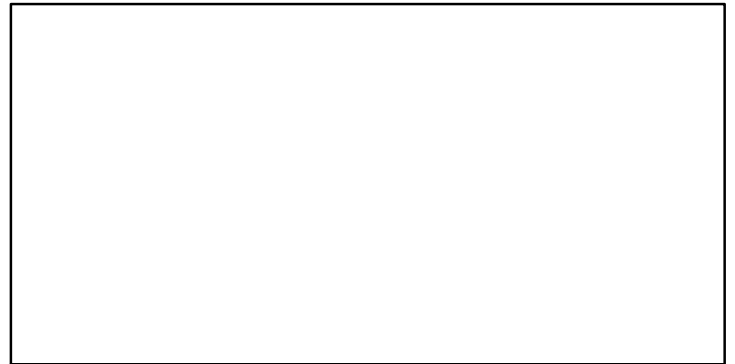
TL-MT, TC*, RecC* (1980-2016-ICESIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

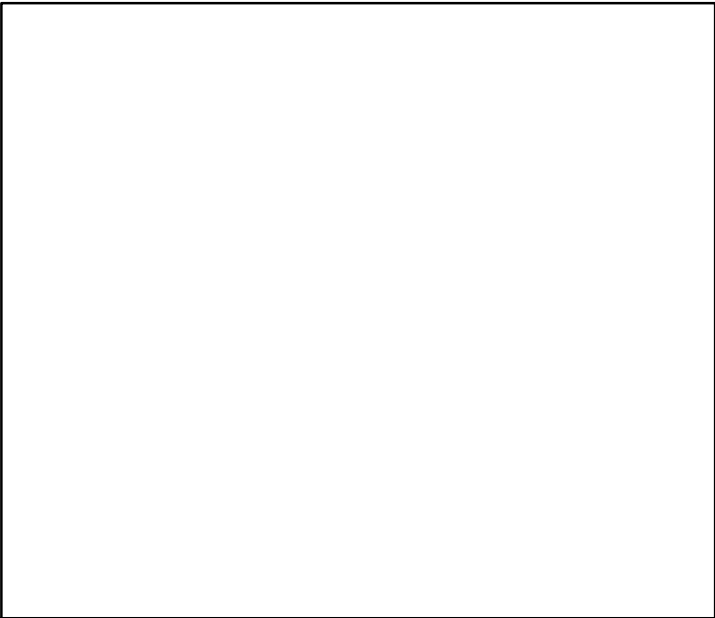
Black bellied angler VII and VIIIabd [ANGLVII-VIIIabd]

Metadata	
Scientific Name	Lophius budegassa
Current Assess ID	WGBIE-ANGLVII-VIIIabd-1986-2016-ICESIMP2016
Area	VII and VIIIabd
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2016

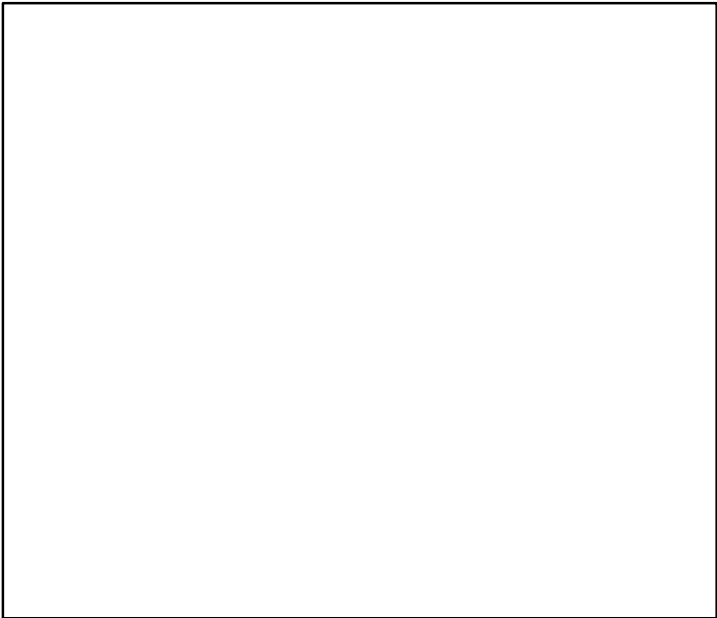
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	10,300		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

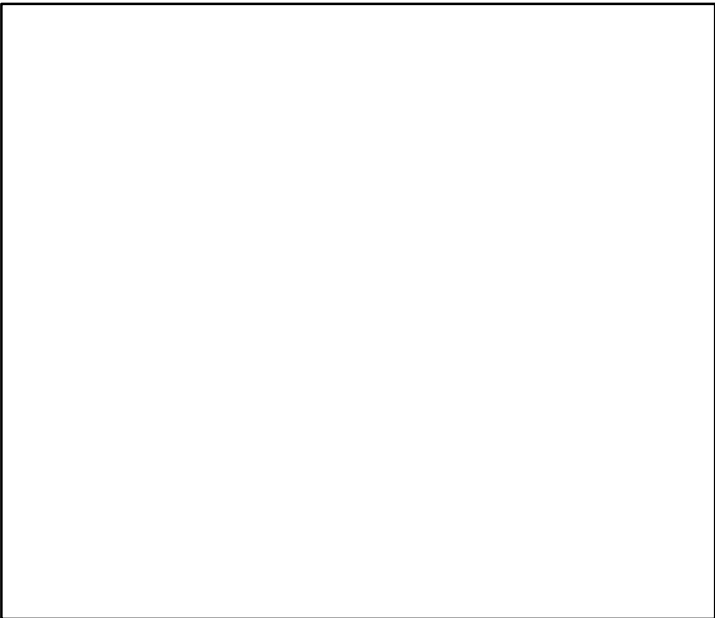
Kobe MSY*



Kobe MGT*



Spawner Recruit*



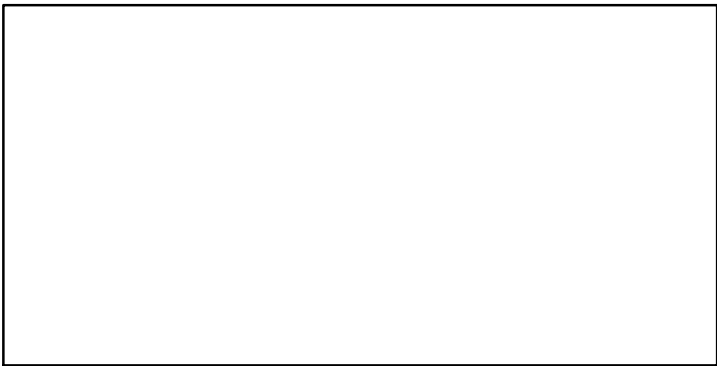
Production*



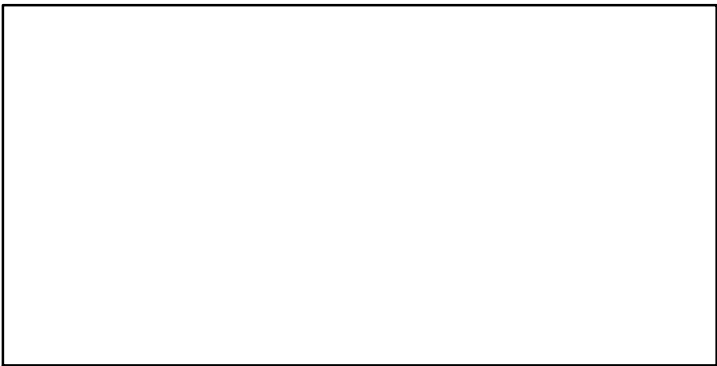
◆ Start Year ◆ End Year * No Data

Black bellied angler VII and VIIIabd [ANGLVII-VIIIabd]

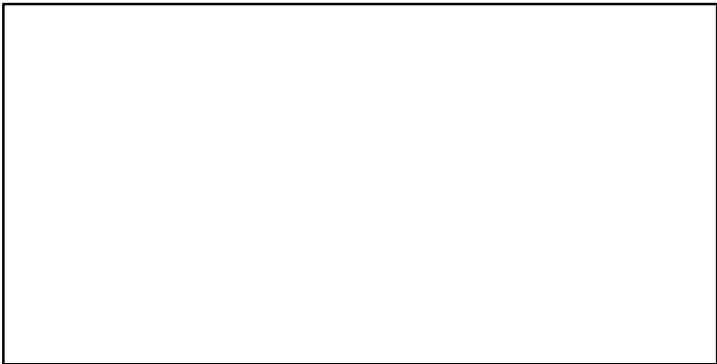
TB*



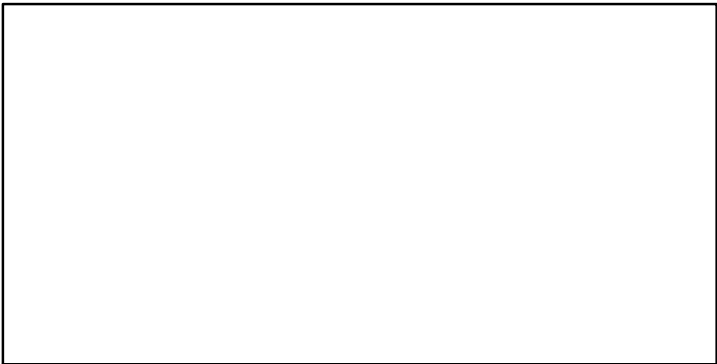
SSB*



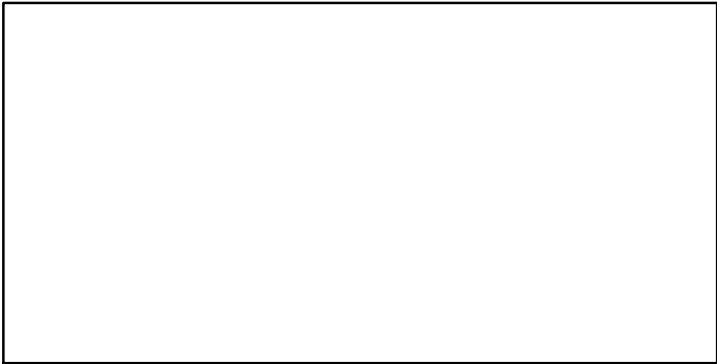
TN *



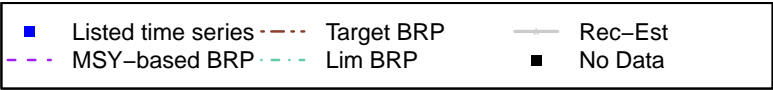
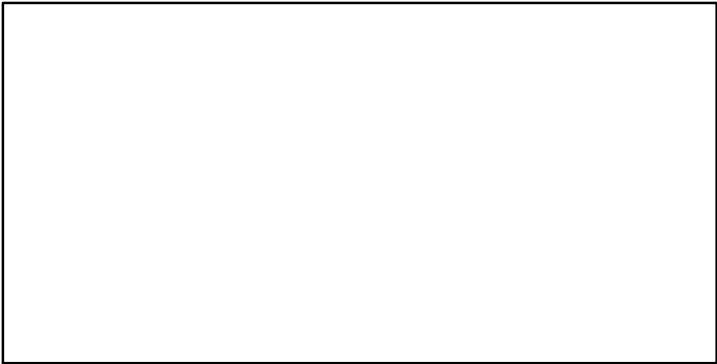
F*



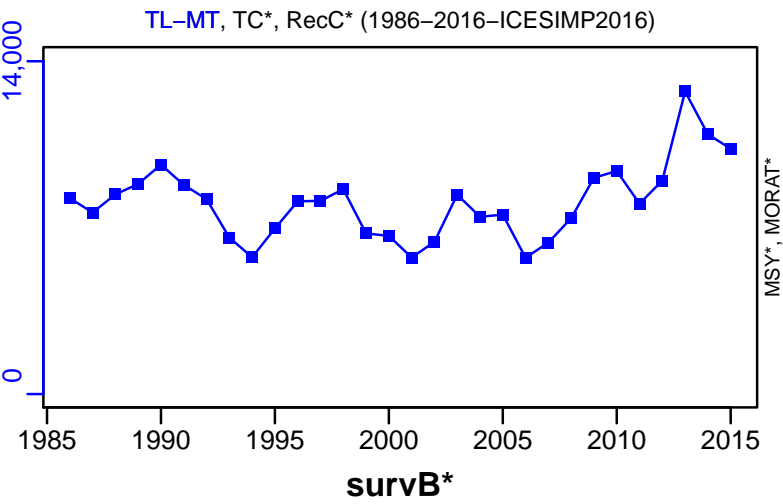
ER*



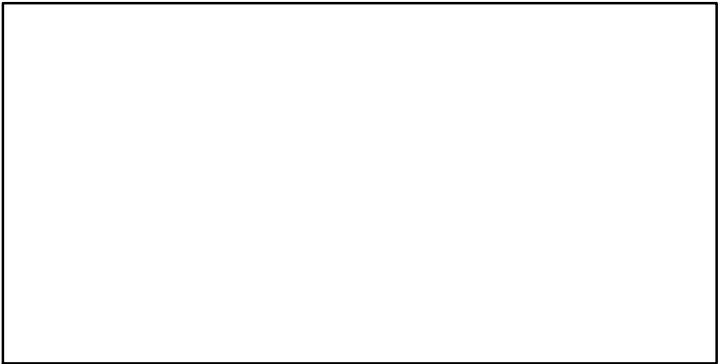
Recruits*



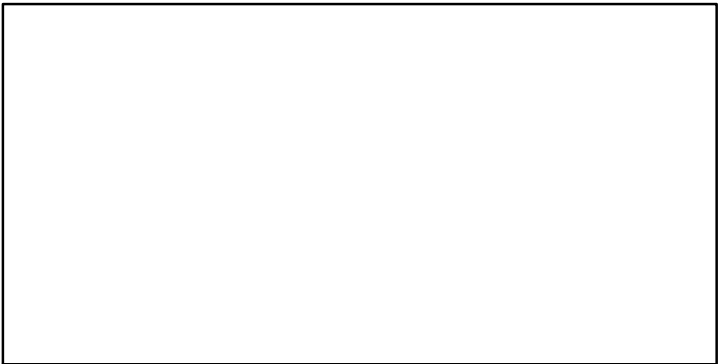
Black bellied angler VII and VIIIabd [ANGLVII-VIIIabd]



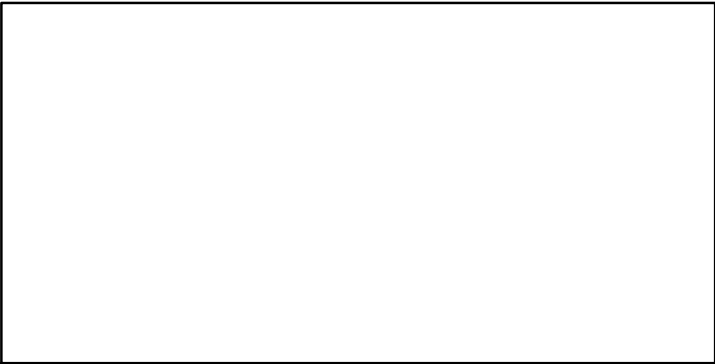
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



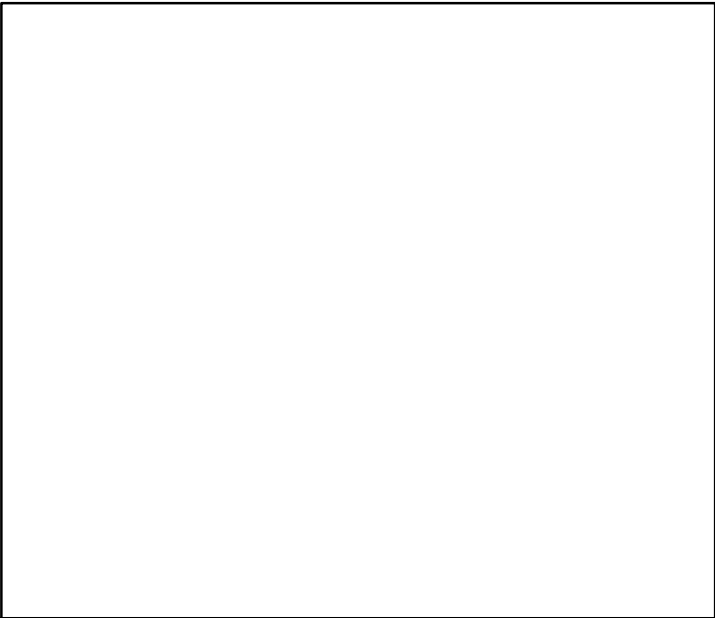
Blue jack mackerel Azores (Xa2) [BJMACKXa2]

Metadata	
Scientific Name	Trachurus picturatus
Current Assess ID	WGHANSA-BJMACKXa2-1978-2016-ICESIMP2016
Area	Azores (Xa2)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Southern Horse Mackerel, Anchovy and Sardine
Asmts in RAM	2016

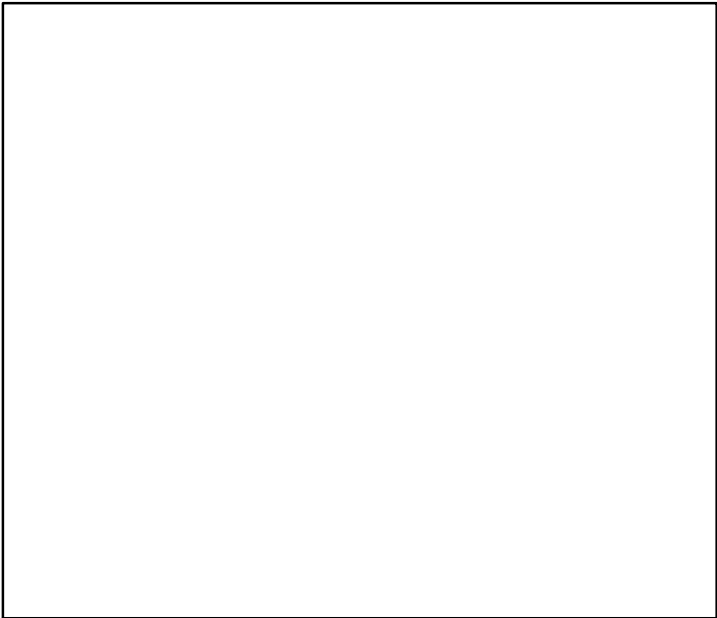
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	1140		
TL	TL-MT	2016	874		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

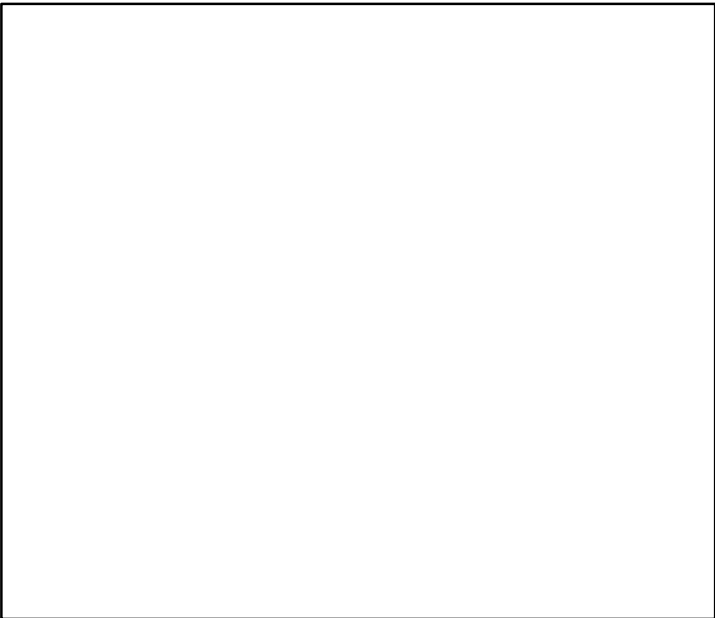
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Blue jack mackerel Azores (Xa2) [BJMACKXa2]

TB*



SSB*



TN *



F*



ER*

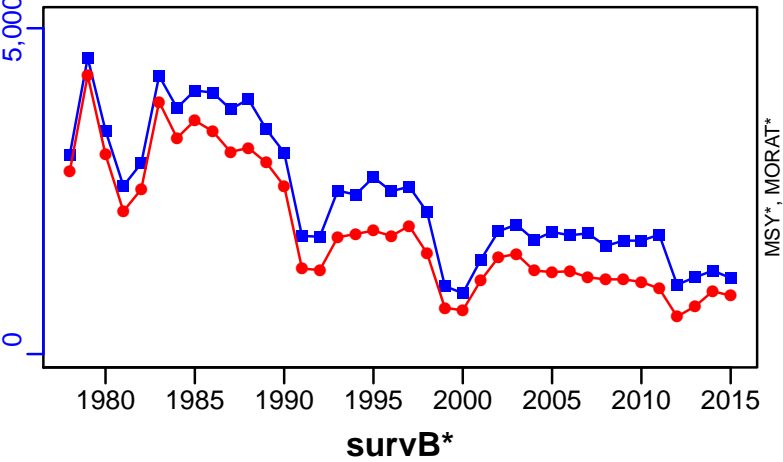


Recruits*



Blue jack mackerel Azores (Xa2) [BJMACKXa2]

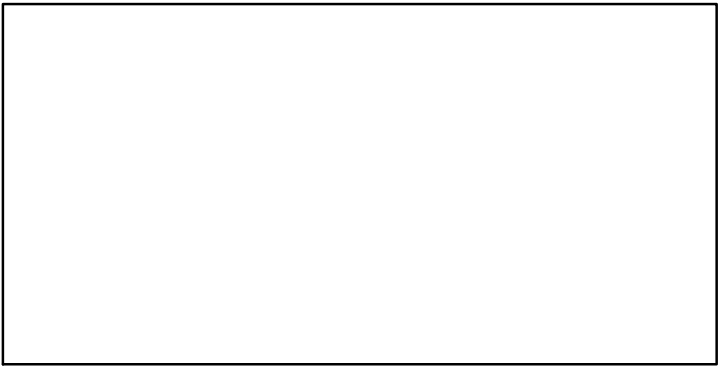
TC-MT, TL-MT, RecC* (1978-2016-ICESIMP2016)



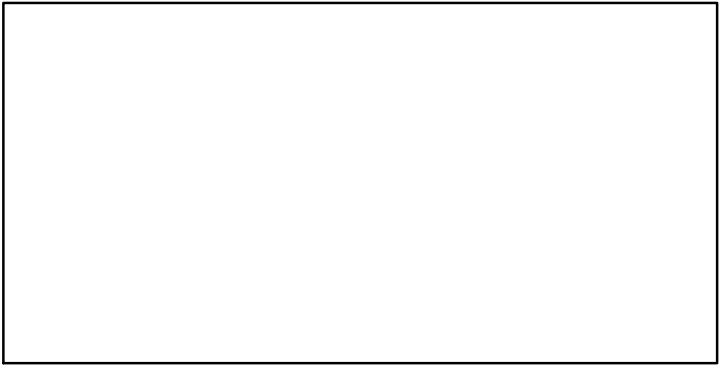
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



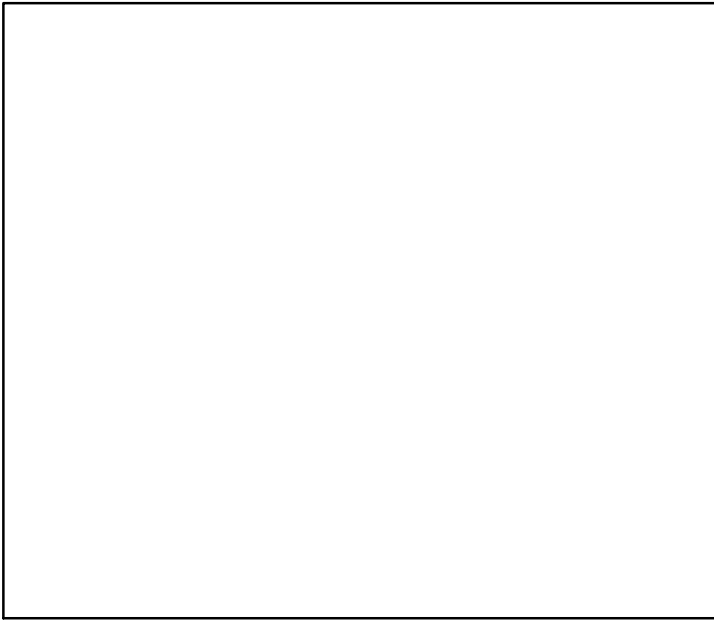
Blue ling I-II-IIIa-IVa-VIII-IX-XII [BLINGI-II-IIIa-IVa-VIII-IX-XII]

Metadata	
Scientific Name	Molva dypterygia
Current Assess ID	WGDEEP-BLINGI-II-IIIa-IVa-VIII-IX-XII-1988-2015-ICESIMP2016
Area	I-II-IIIa-IVa-VIII-IX-XII
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2015

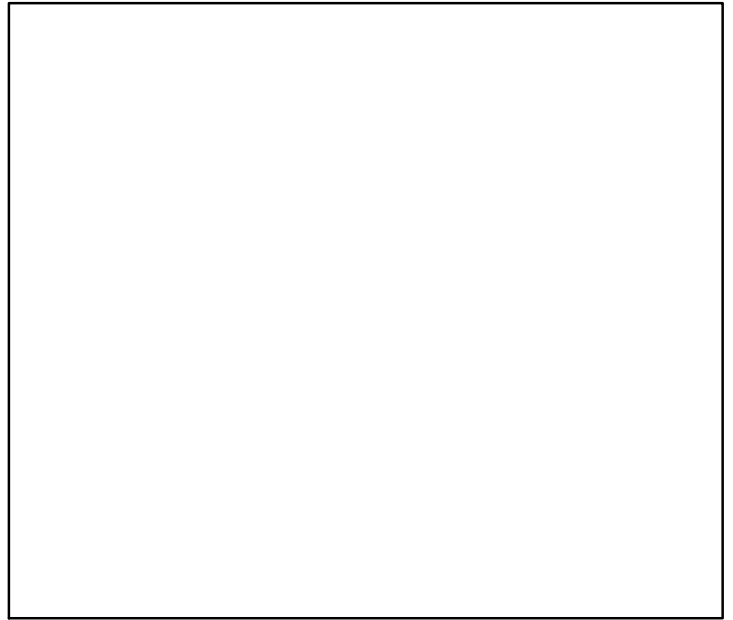
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2015	240		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

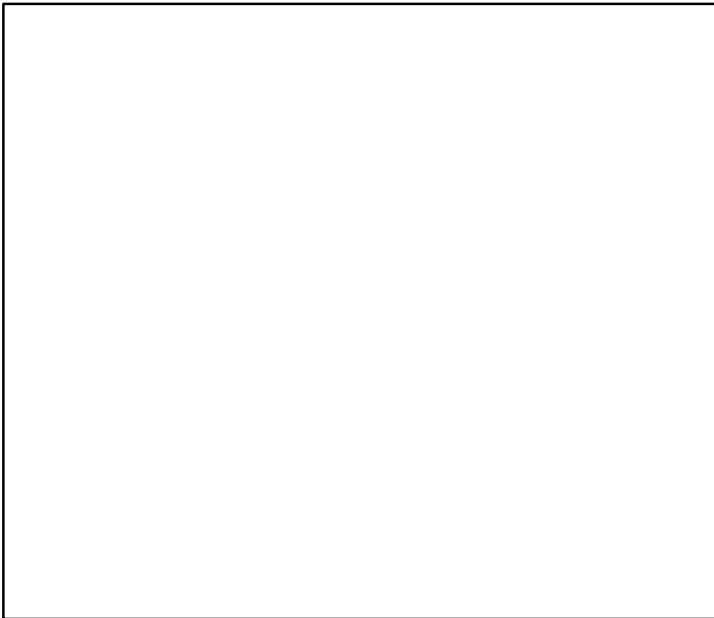
Kobe MSY*



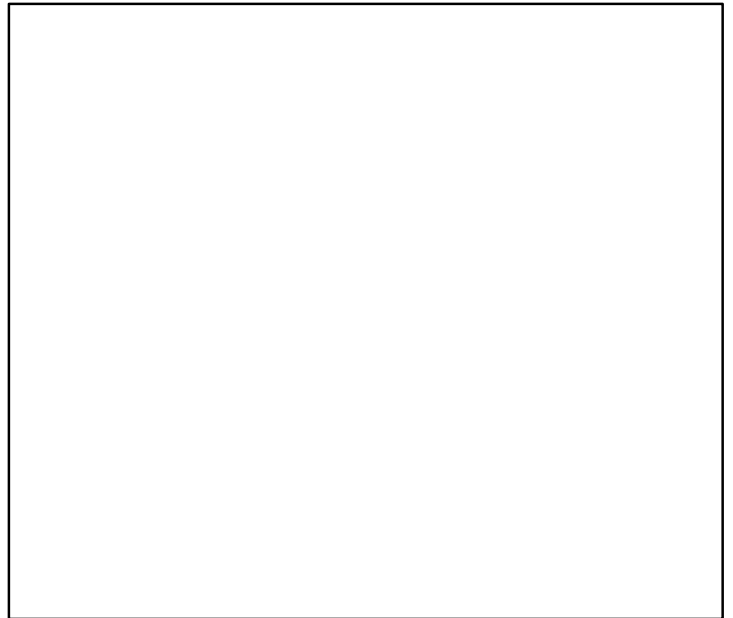
Kobe MGT*



Spawner Recruit*

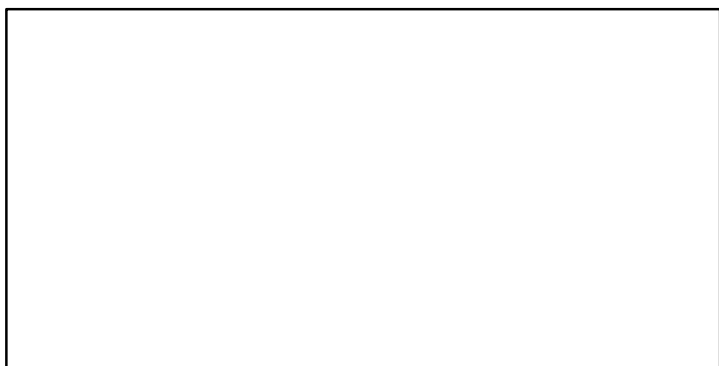


Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



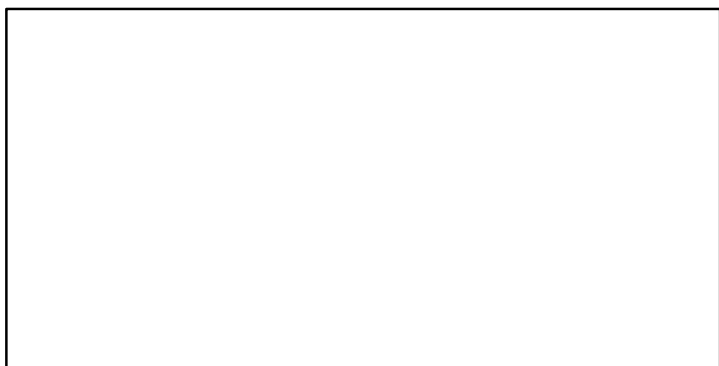
TN *



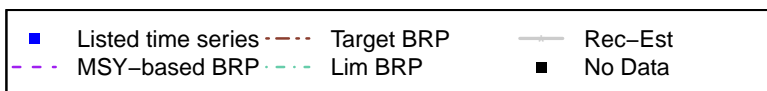
F*



ER*



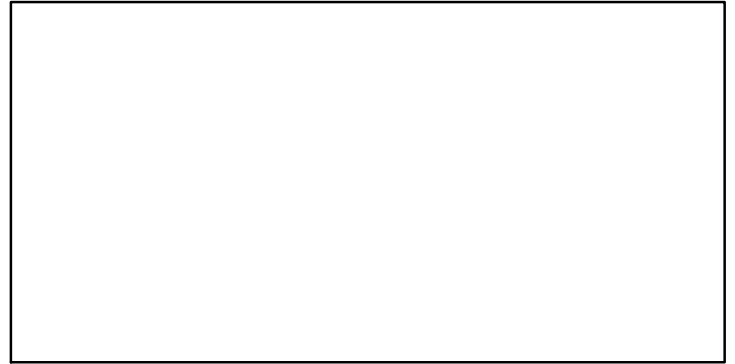
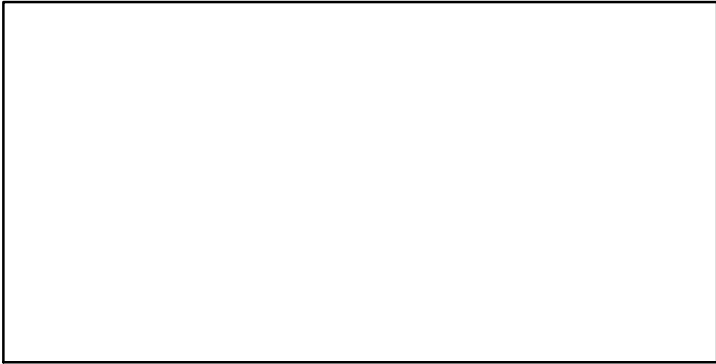
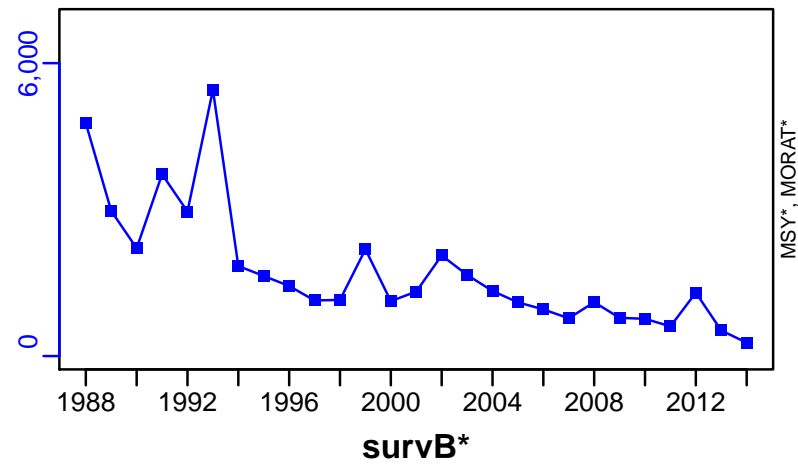
Recruits*



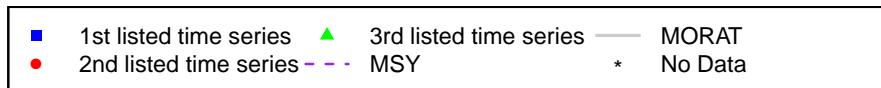
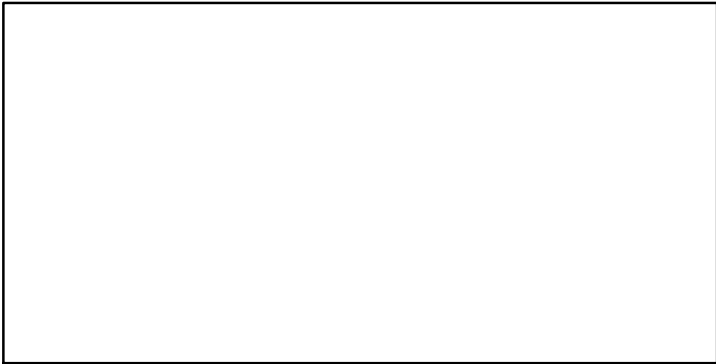
Blue ling I–II–IIIa–IVa–VIII–IX–XII [BLINGI–II–IIIa–IVa–VIII–IX–XII]

TC–MT, TL*, RecC* (1988–2015–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



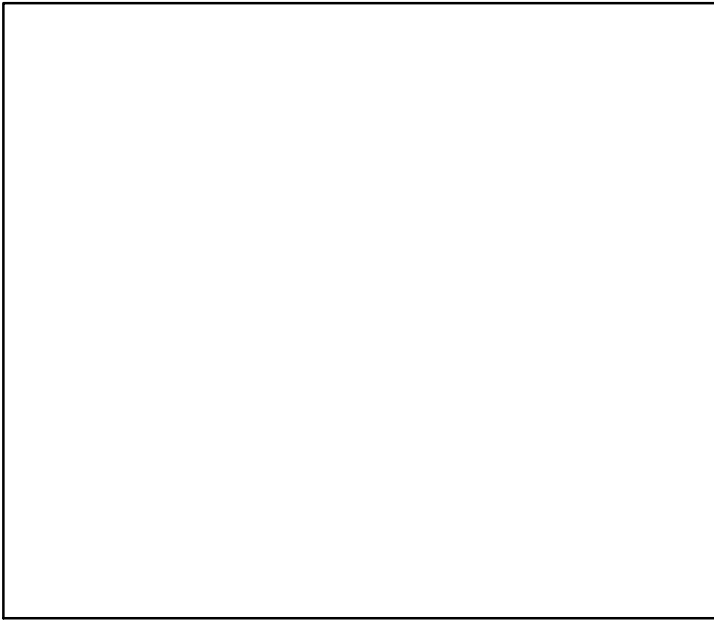
Boarfish VI and VIII [BOARVI-VIII]

Metadata	
Scientific Name	Capros aper
Current Assess ID	WGWIDE-BOARVI-VIII-2001-2015-ICESIMP2016
Area	VI and VIII
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Widely Distributed Stocks
Asmts in RAM	2013, 2014, 2015

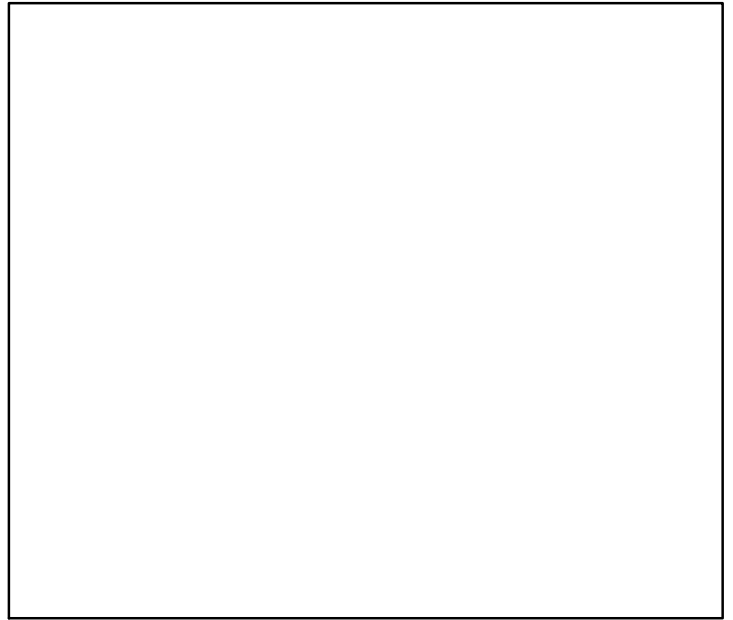
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-relative	2015	1.85	-	1 to 14
ER	-	-	-	-	-
TC	TC-MT	2015	45,200		
TL	TL-MT	2015	43,400		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

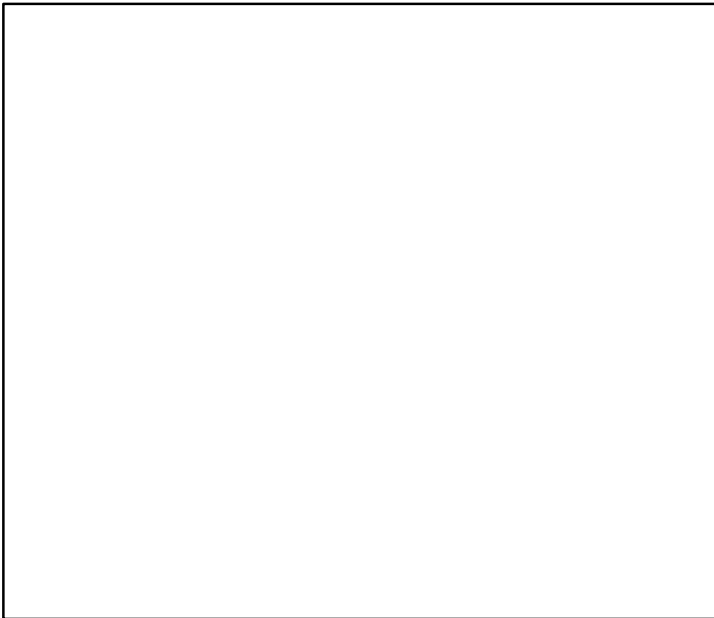
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Boarfish VI and VIII [BOARVI–VIII]

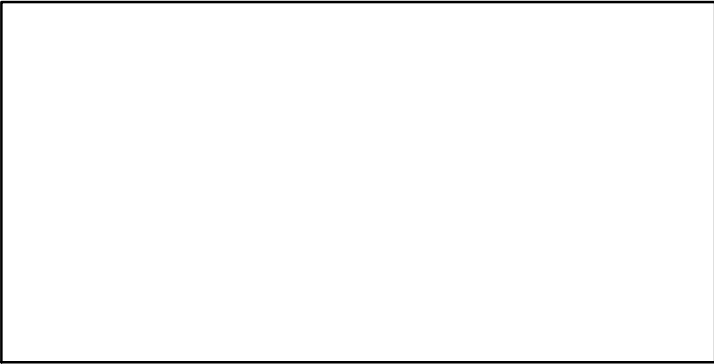
TB*



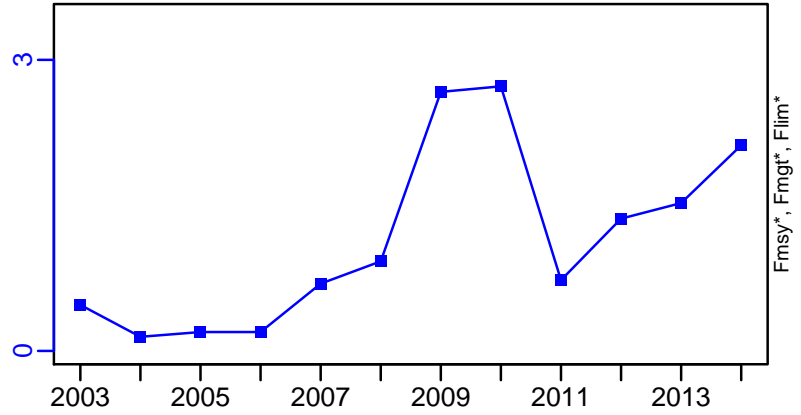
SSB*



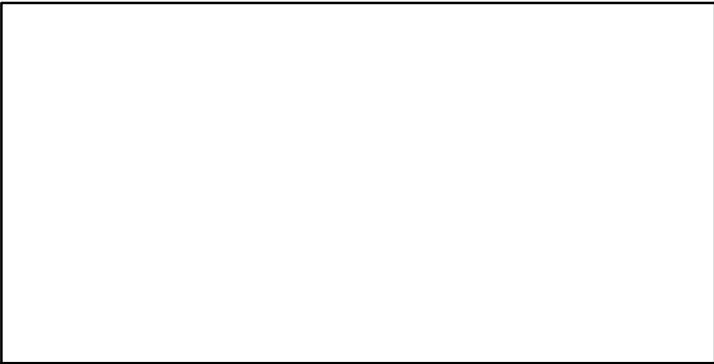
TN *



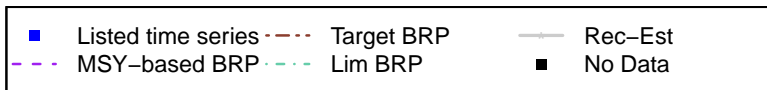
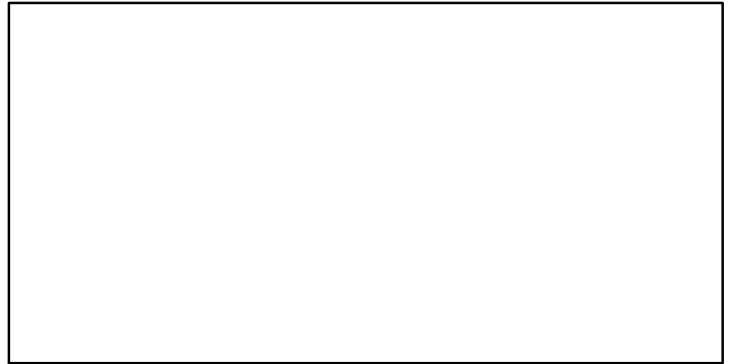
F_{relative} (2001–2015–ICESIMP2016)



ER*



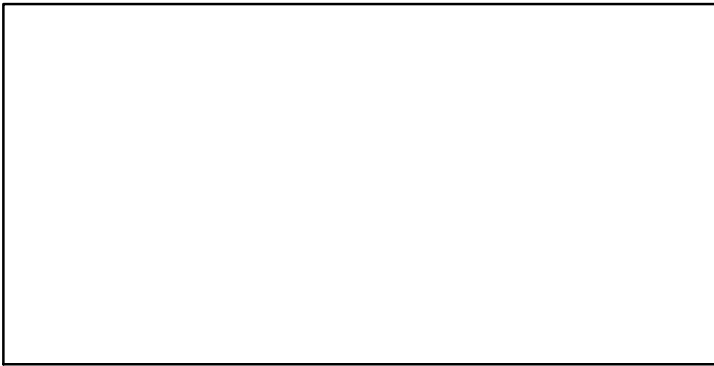
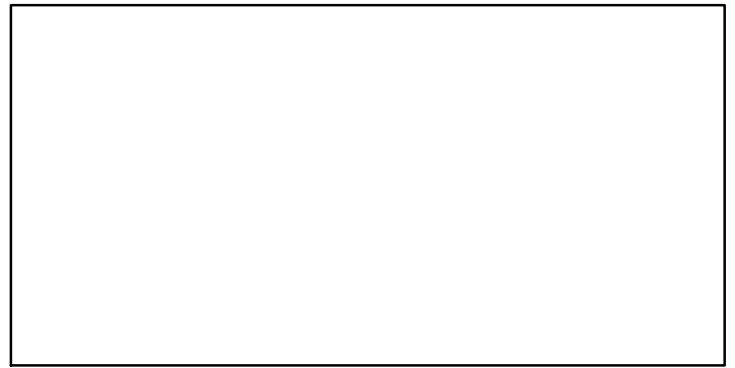
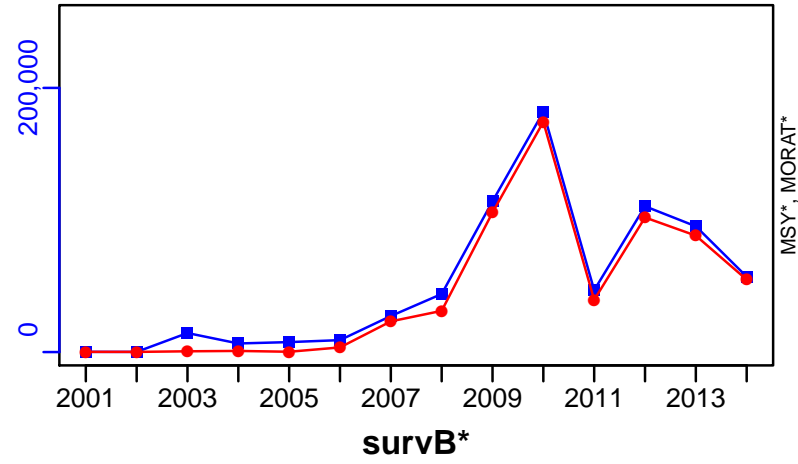
Recruits*



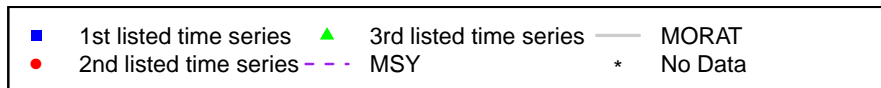
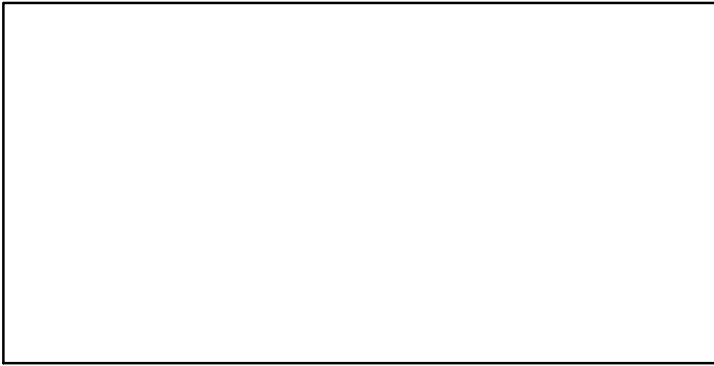
Boarfish VI and VIII [BOARVI–VIII]

TC–MT, TL–MT, RecC* (2001–2015–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



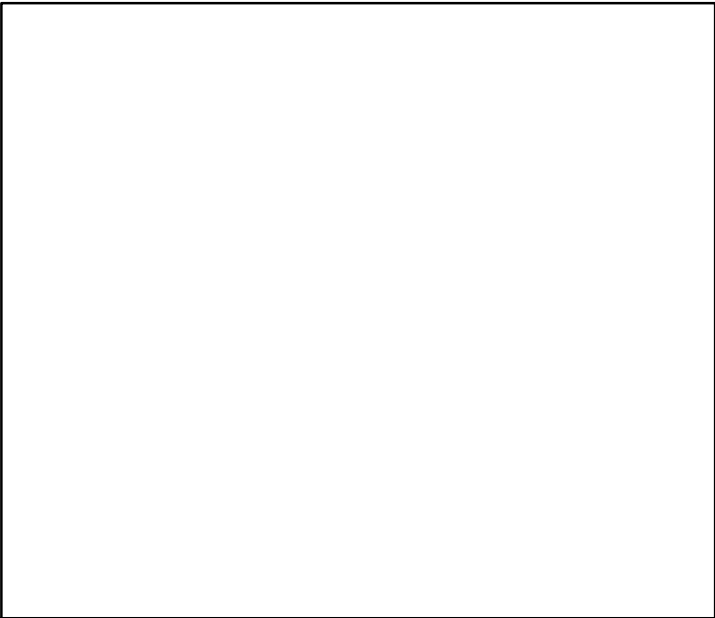
Brill Baltic Areas 22-32 [BRILL2232]

Metadata	
Scientific Name	Scophthalmus rhombus
Current Assess ID	WGBFAS-BRILL2232-1970-2016-ICESIMP2016
Area	Baltic Areas 22-32
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2016

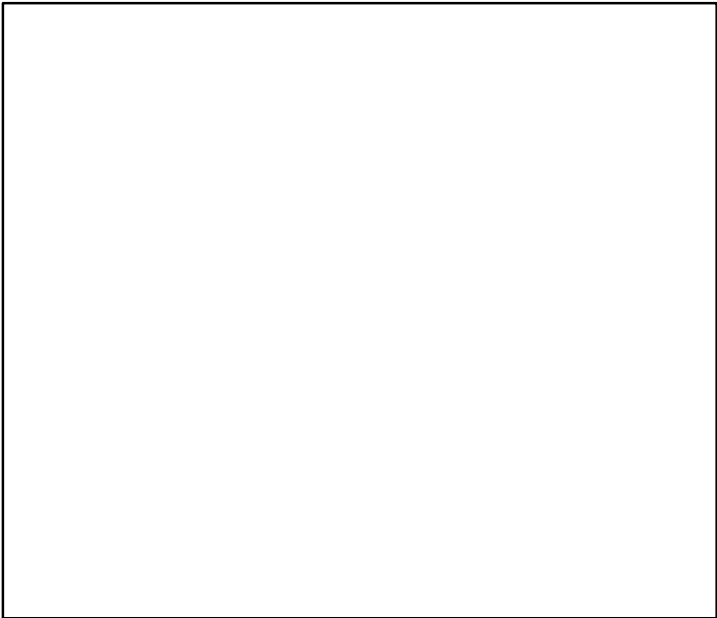
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	40		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

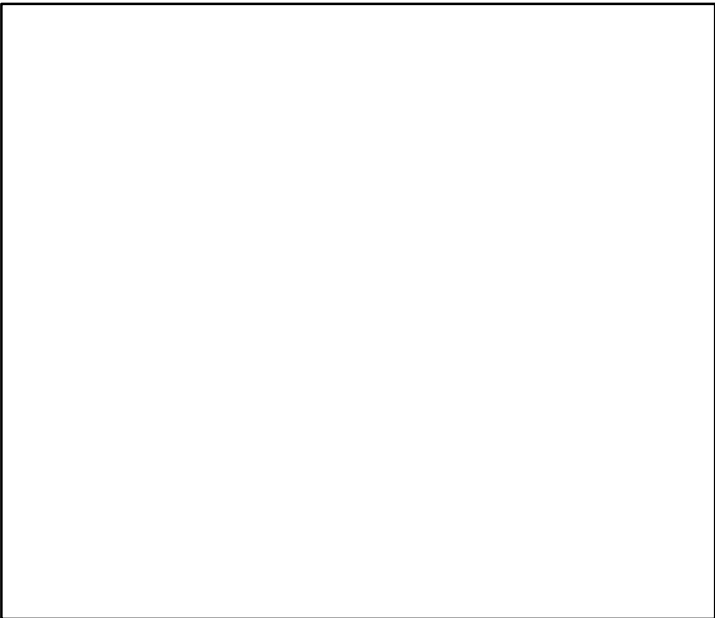
Kobe MSY*



Kobe MGT*



Spawner Recruit*

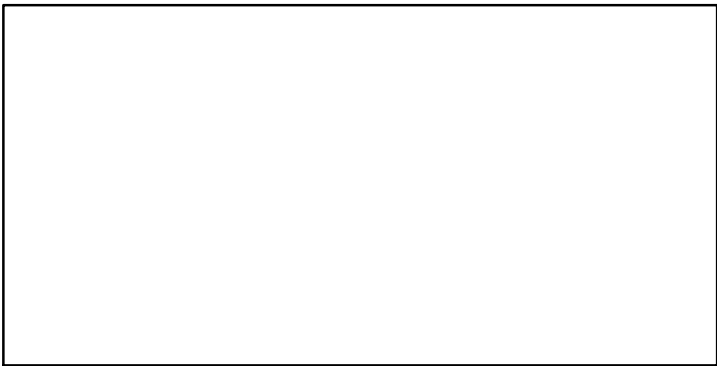


Production*

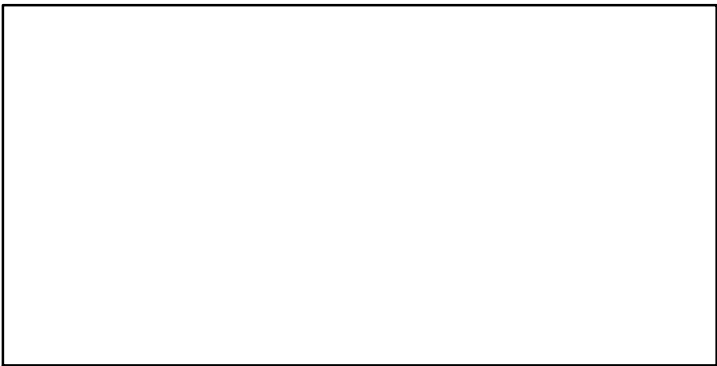


◆ Start Year ◆ End Year * No Data

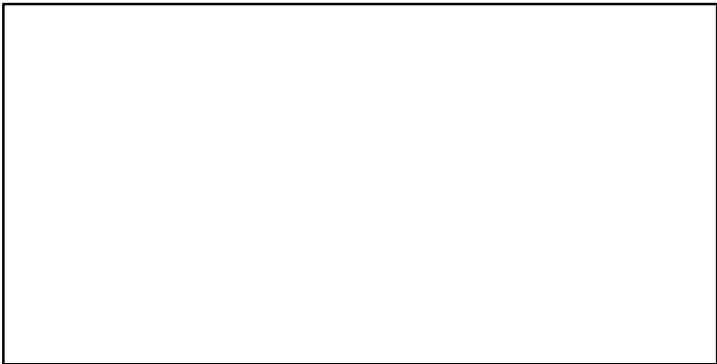
TB*



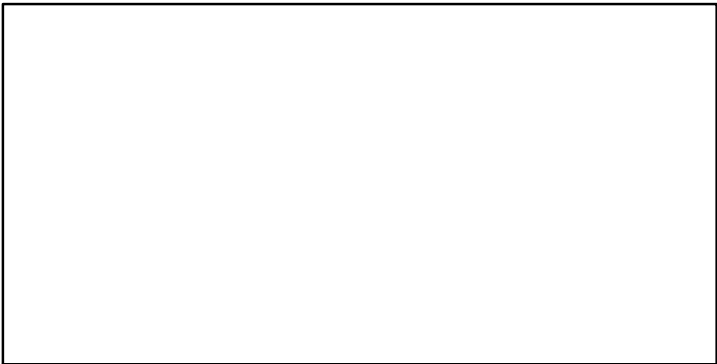
SSB*



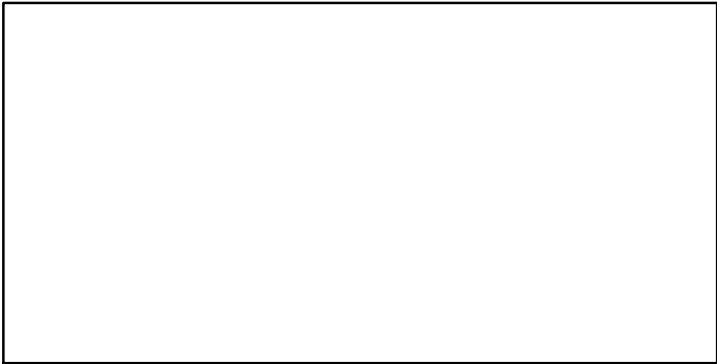
TN *



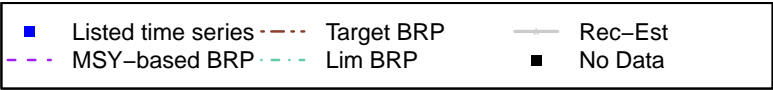
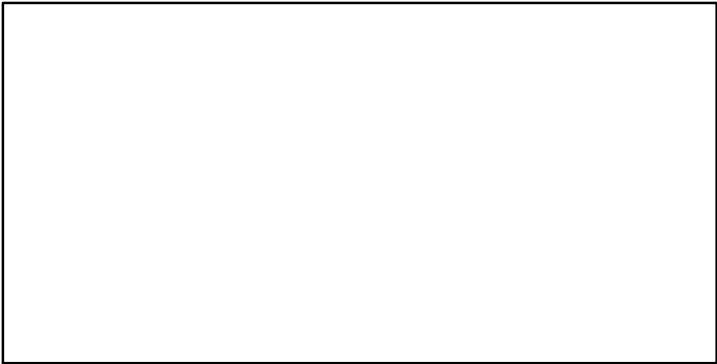
F*



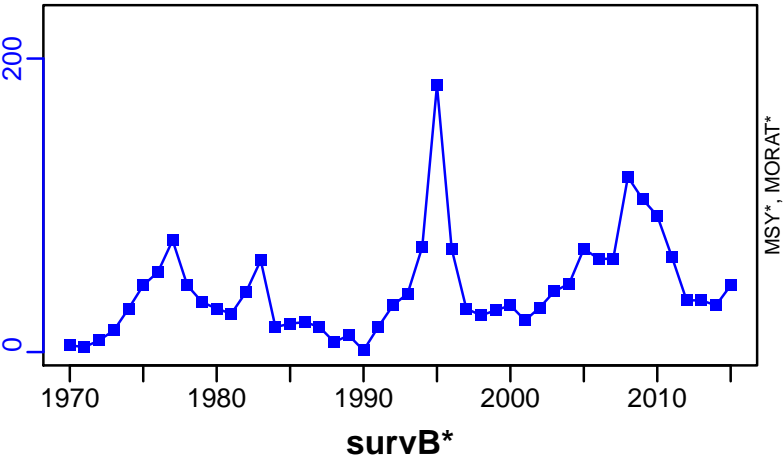
ER*



Recruits*



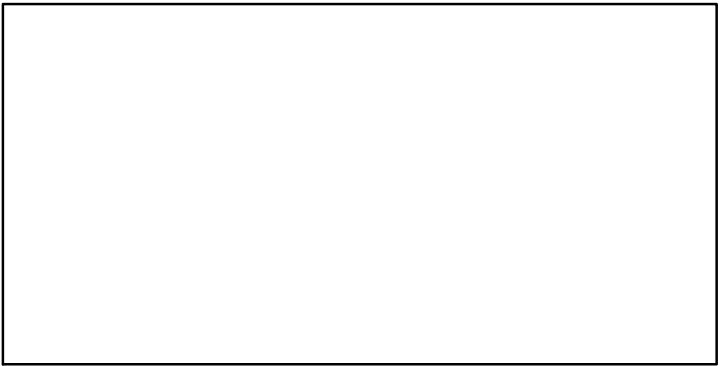
TL–MT, TC*, RecC* (1970–2016–ICESIMP2016)



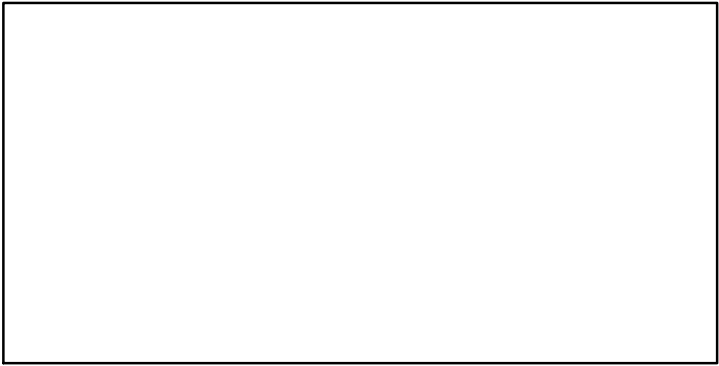
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Blue Whiting Northeast Atlantic [BWHITNEA]

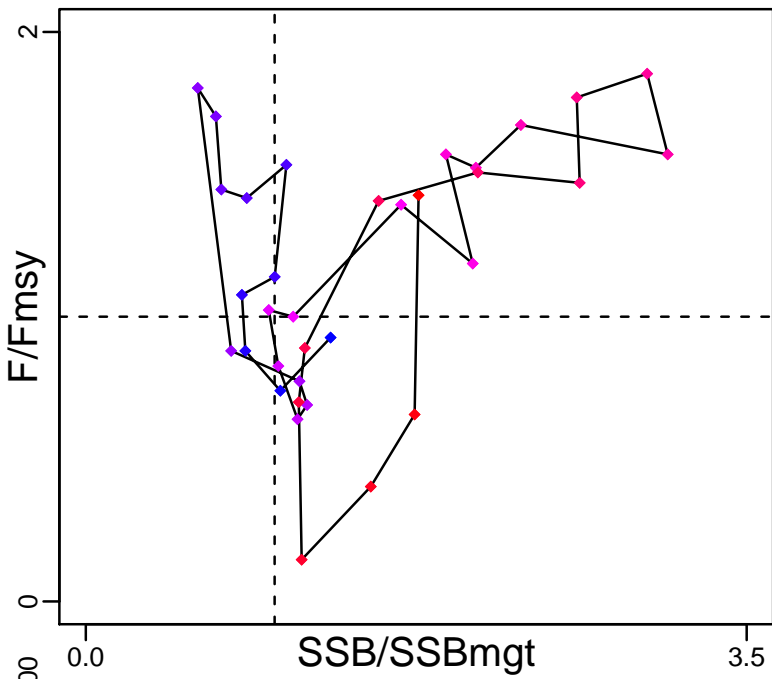
Metadata	
Scientific Name	Micromesistius poutassou
Current Assess ID	WGWISE-BWHITNEA-1980-2015-ICESIMP2016
Area	Northeast Atlantic
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Widely Distributed Stocks
Asmts in RAM	2012, 2013, 2014, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2015	0.3
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2015	2,250,000
Fmgt	Fmgt-1/yr	2015	0.3
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2015	1,500,000
Flim	Flim-1/yr	2015	0.48
ERlim	-	-	-

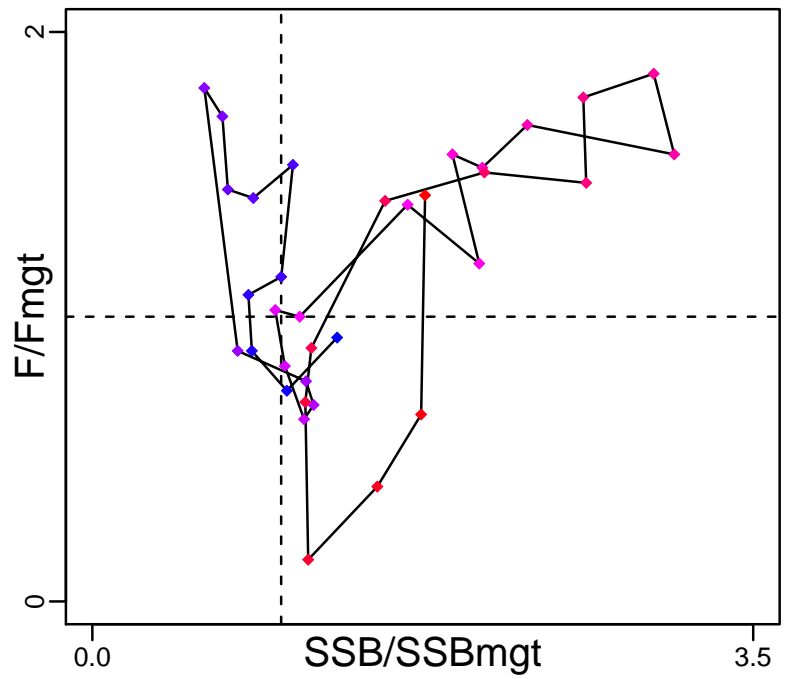
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	5,320,000	Both	-
SSB	SSB-MT	2015	3,620,000	Both	-
TN	-	-	-	-	-
R	R-E00	2015	2.33×10^{10}	-	1
F	F-1/yr	2015	0.428	-	3 to 7
ER	ER-calc-ratio	2015	0.216	-	-
TC	TC-MT	2015	1,150,000		
TL	TL-MT	2014	614,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	1.427		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	1.608		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	1.427		
ER/ERmgt	-	-	-		

Blue Whiting Northeast Atlantic [BWHITNEA]

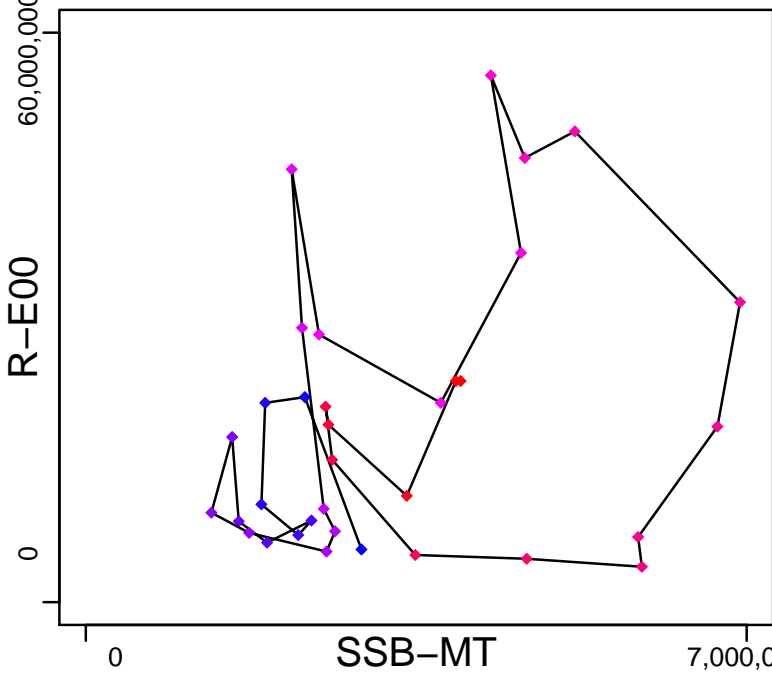
Kobe MSYpref (1980–2015–ICESIMP2016)



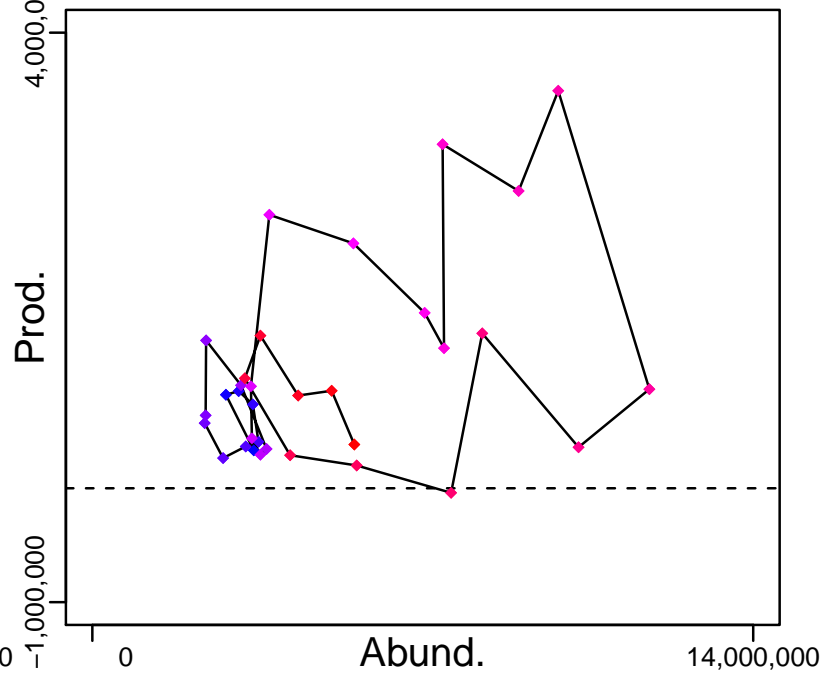
Kobe MGTpref (1980–2015–ICESIMP2016)



Spawner Recruit (1980–2015–ICESIMP2016)

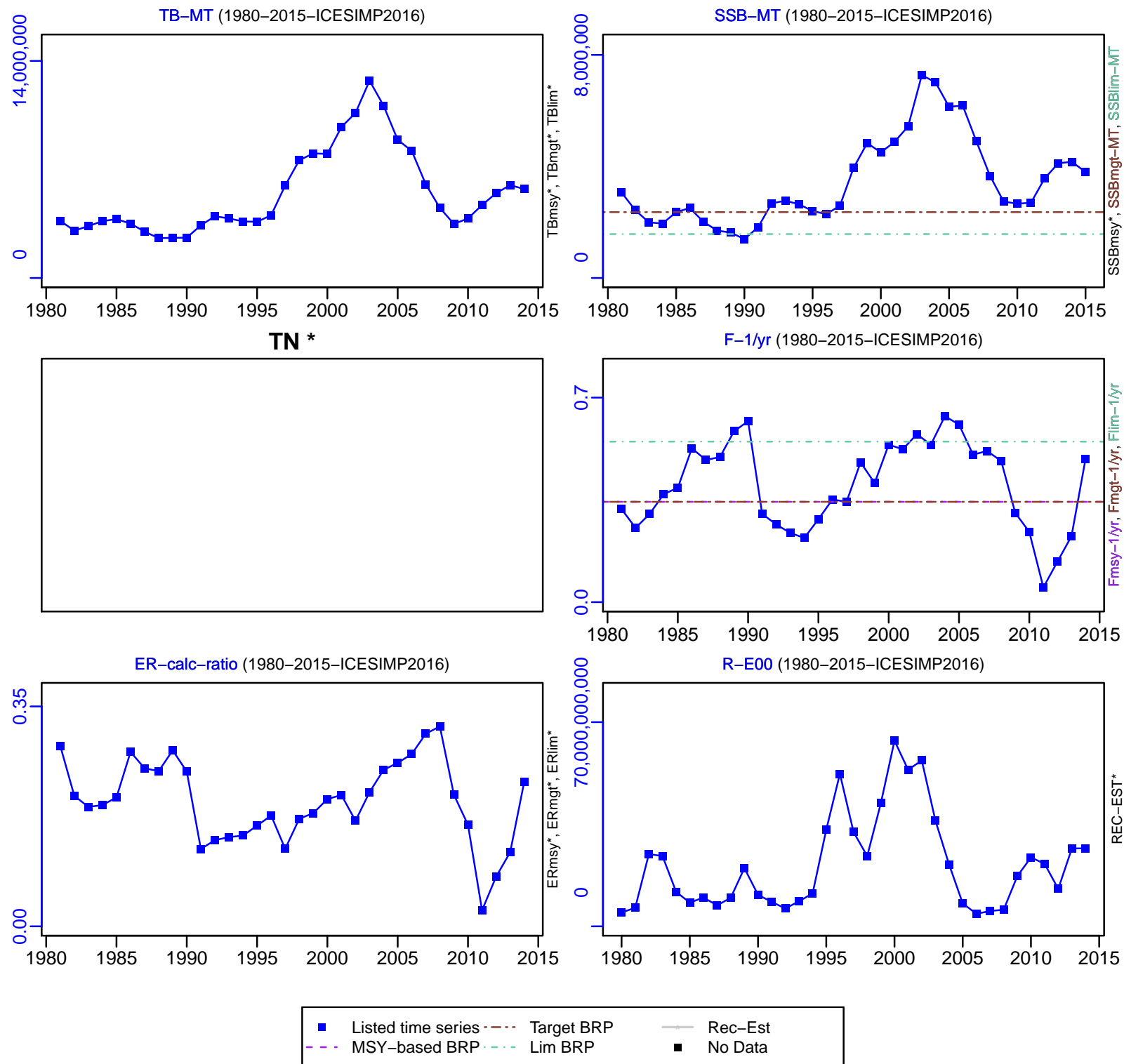


Production (1980–2015–ICESIMP2016)



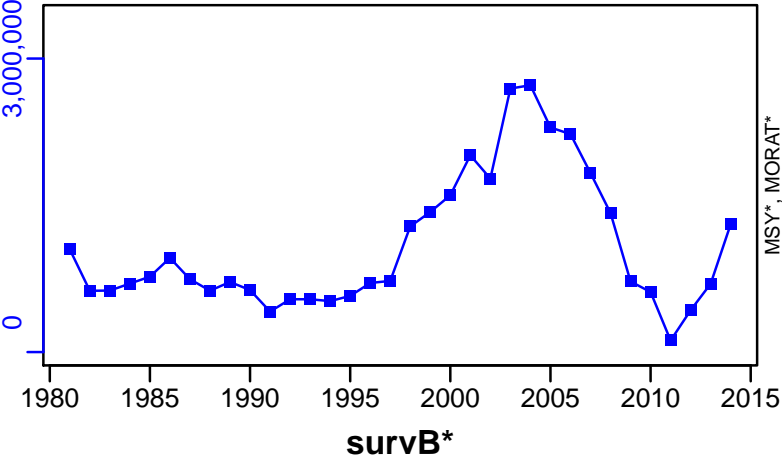
◆ Start Year ◆ End Year * No Data

Blue Whiting Northeast Atlantic [BWHITNEA]



Blue Whiting Northeast Atlantic [BWHITNEA]

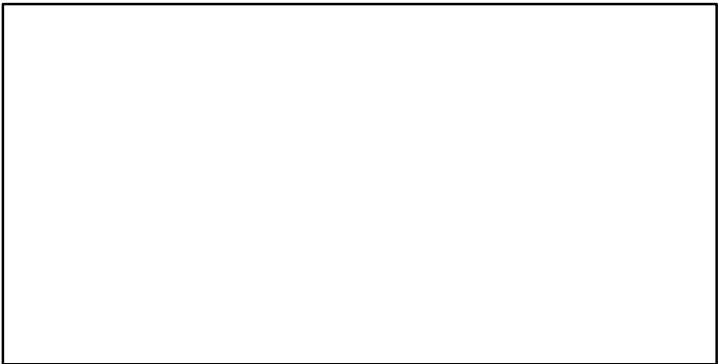
TC-MT, TL*, RecC* (1980-2015-ICESIMP2016)



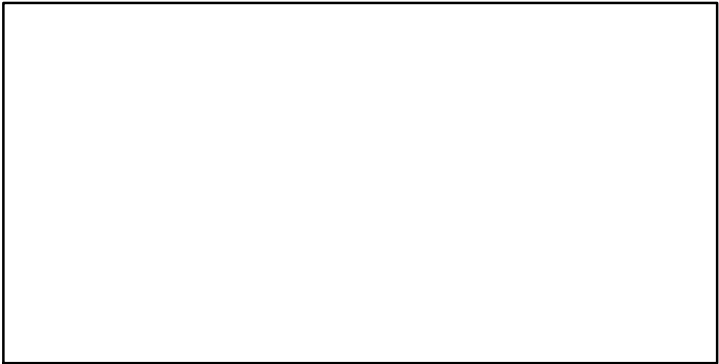
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Atlantic cod Baltic Areas 22 and 24 [CODBA2224]

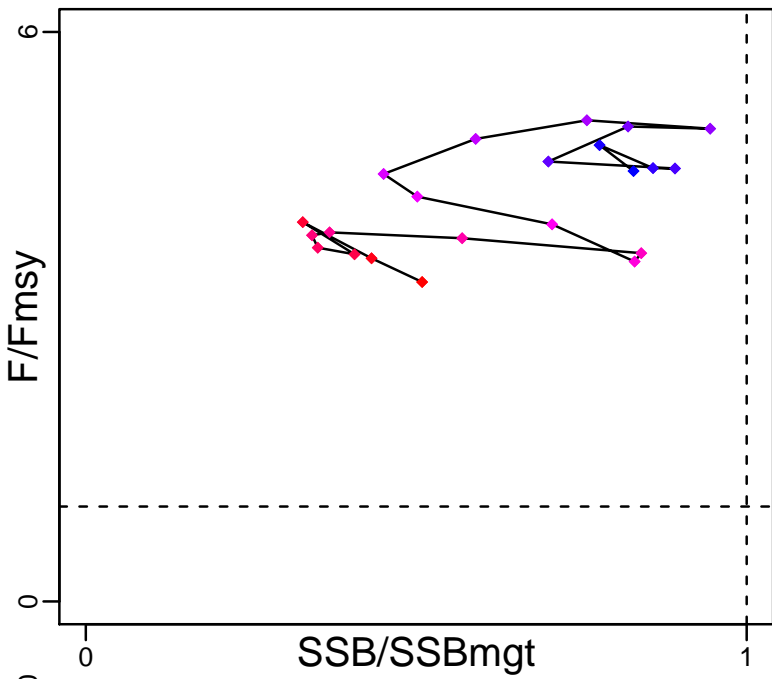
Metadata	
Scientific Name	Gadus morhua
Current Assess ID	WGBFAS-CODBA2224-1993-2016-ICESIMP2016
Area	Western Baltic
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2012, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.26
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	38,400
Fmgt	Fmgt-1/yr	2016	0.26
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2012	23,000
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	27,400
Flim	Flim-1/yr	2016	1.01
ERlim	-	-	-

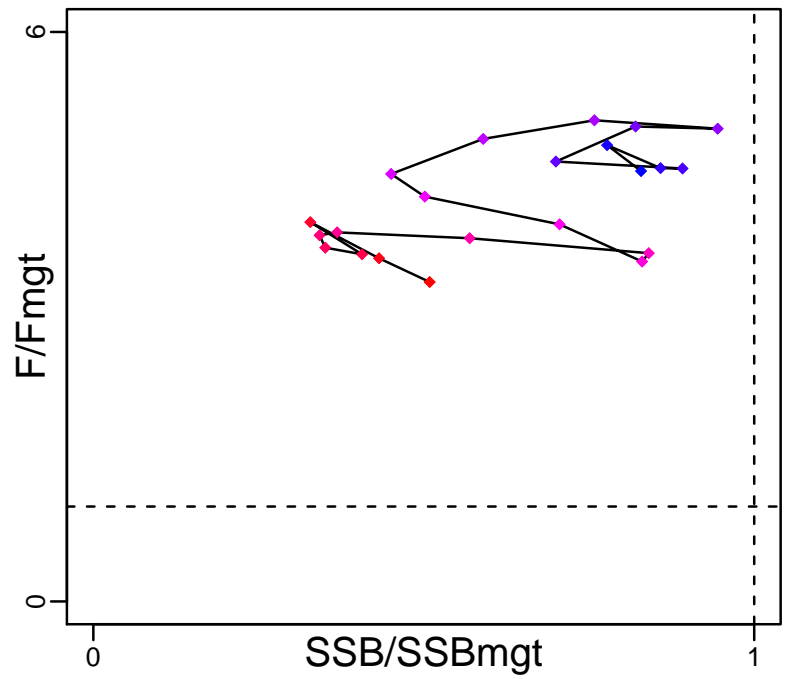
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	22,400	Both	-
SSB	SSB-MT	2016	19,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	1,090,000	-	1
F	F-1/yr	2016	0.875	-	3 to 5
ER	ER-calc-ratio	2016	0.362	-	-
TC	TC-MT	2016	8820		
TL	TL-MT	2016	8370		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	3.365		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.496		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	3.365		
ER/ERmgt	-	-	-		

Atlantic cod Baltic Areas 22 and 24 [CODBA2224]

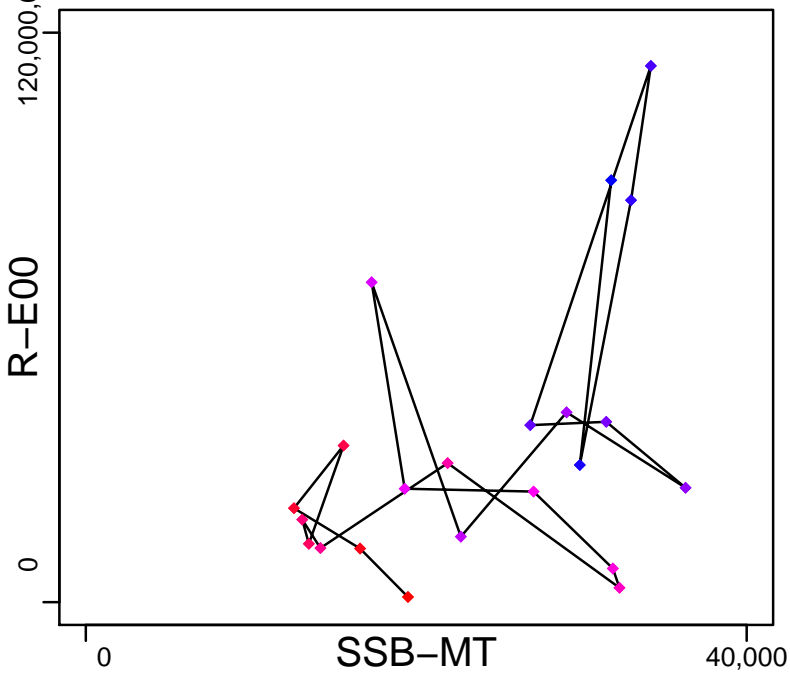
Kobe MSYpref (1993–2016–ICESIMP2016)



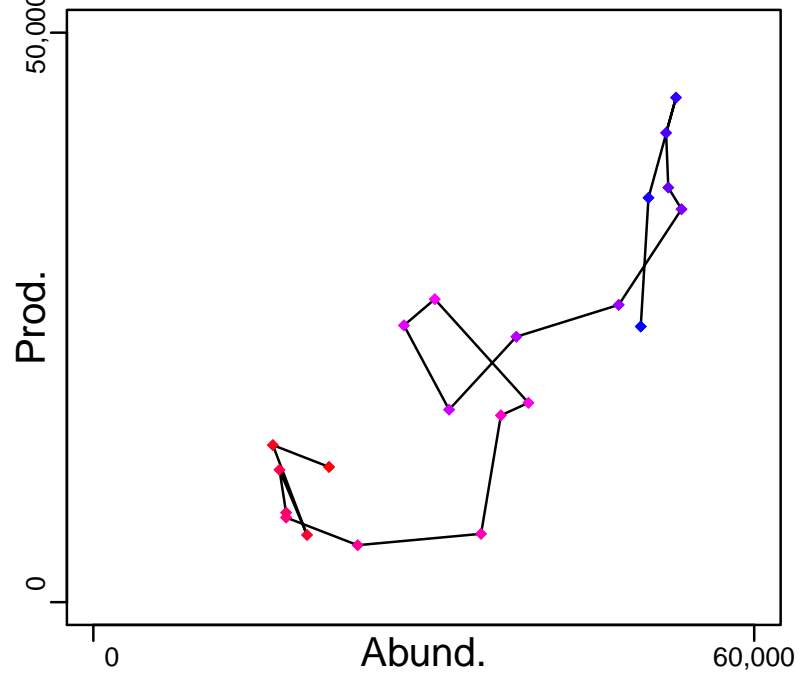
Kobe MGTpref (1993–2016–ICESIMP2016)



Spawner Recruit (1993–2016–ICESIMP2016)



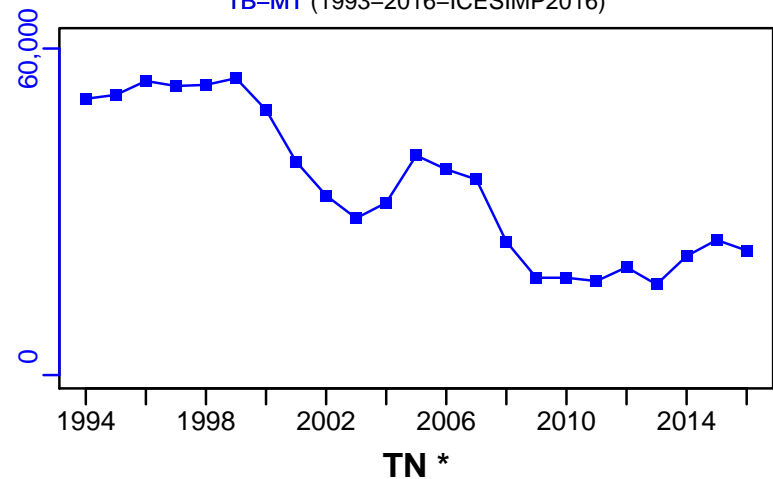
Production (1993–2016–ICESIMP2016)



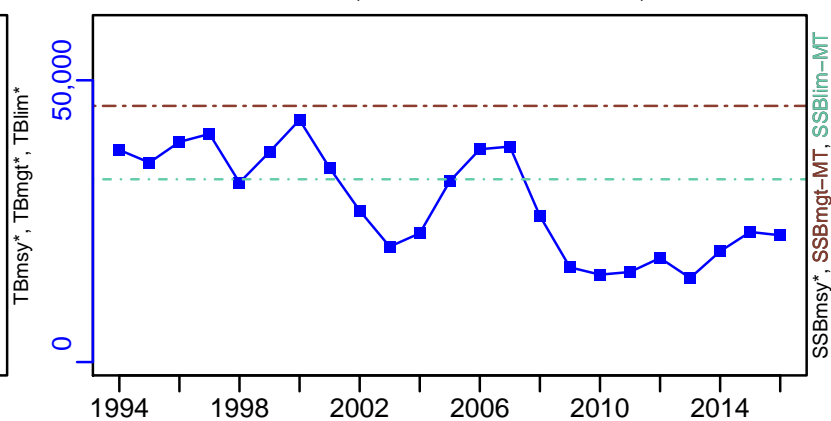
◆ Start Year ◆ End Year * No Data

Atlantic cod Baltic Areas 22 and 24 [CODBA2224]

TB-MT (1993–2016–ICESIMP2016)



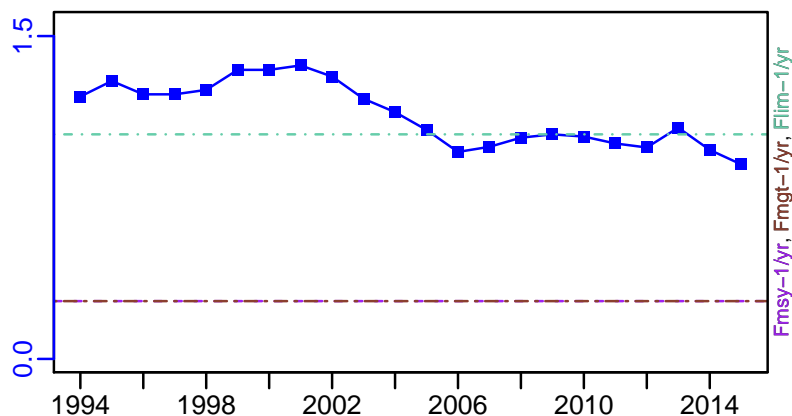
SSB-MT (1993–2016–ICESIMP2016)



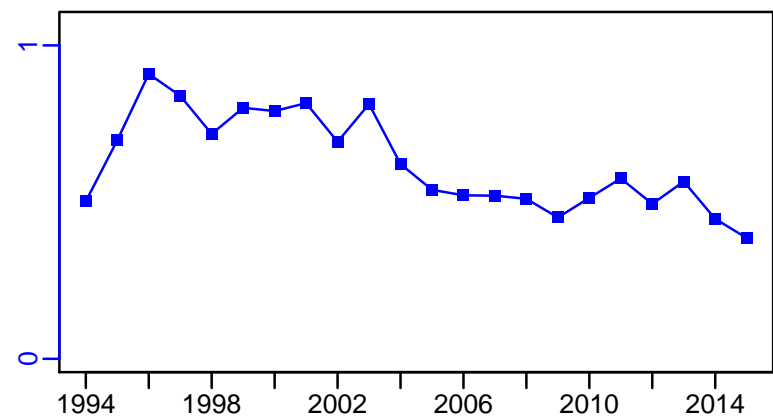
TN *



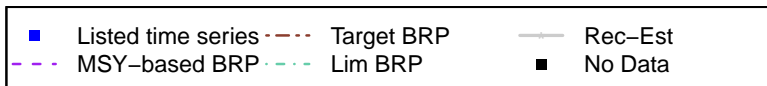
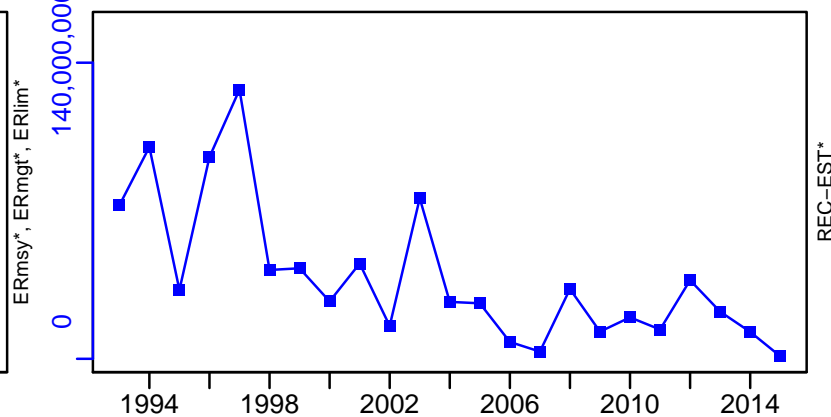
F-1/yr (1993–2016–ICESIMP2016)



ER-calc-ratio (1993–2016–ICESIMP2016)

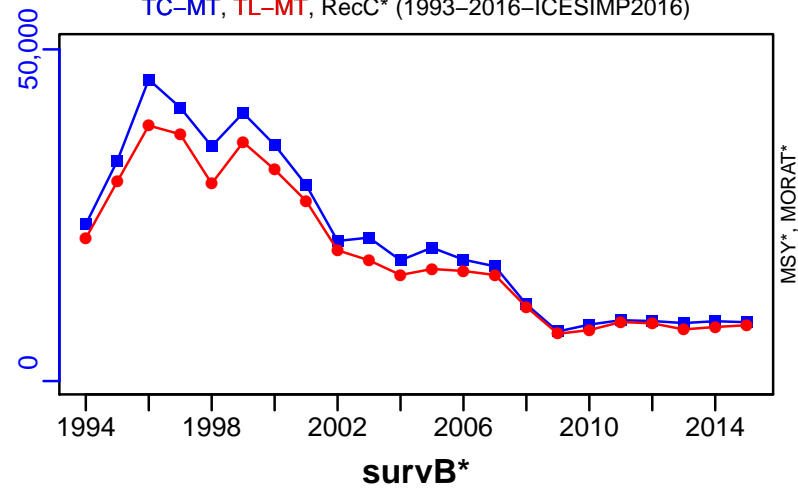


R-E00 (1993–2016–ICESIMP2016)



Atlantic cod Baltic Areas 22 and 24 [CODBA2224]

TC-MT, TL-MT, RecC* (1993–2016–ICESIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Atlantic cod Baltic Areas 25-32 [CODBA2532]

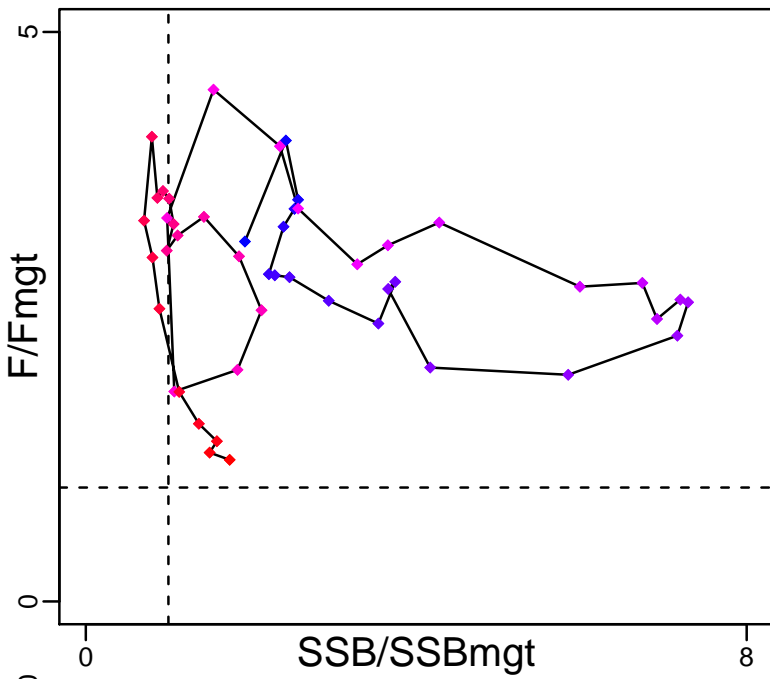
Metadata	
Scientific Name	Gadus morhua
Current Assess ID	WGBFAS-CODBA2532-1965-2016-ICESIMP2016
Area	Eastern Baltic
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2013, 2016, 2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2012	0.3
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2013	88,200
Fmgt	Fmgt-1/yr	2013	0.3
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2013	63,000
Flim	-	-	-
ERlim	-	-	-

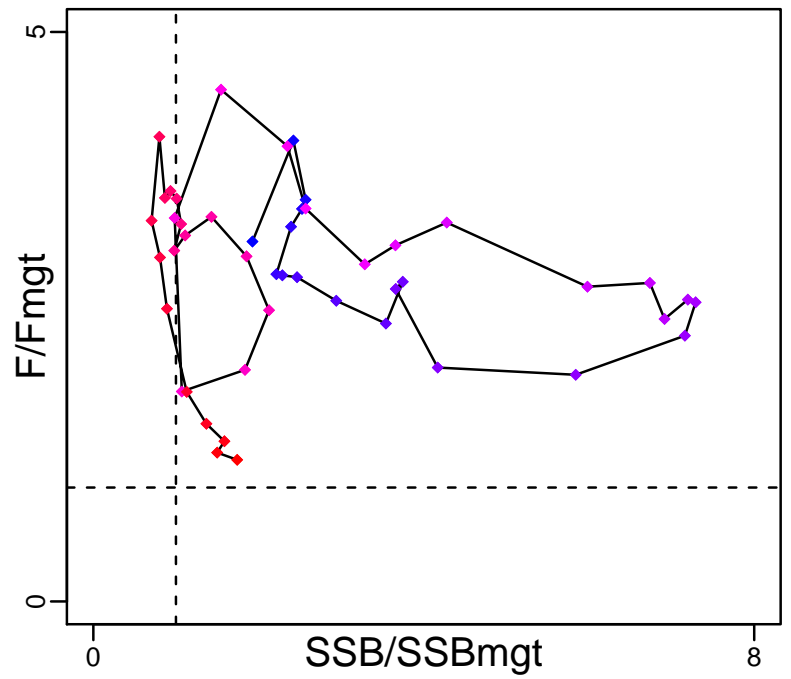
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2013	233,000	Both	-
SSB	SSB-MT	2013	180,000	Both	-
TN	-	-	-	-	-
R	R-E00	2013	2.54×10^8	-	2
F	F-1/yr	2013	0.373	-	4 to 6
ER	ER-ratio	2016	0.344	-	-
TC	TC-MT	2016	49,600		
TL	TL-MT	2016	37,300		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2012	0.857		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2013	2.039		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	1.243		
ER/ERmgt	-	-	-		

Atlantic cod Baltic Areas 25–32 [CODBA2532]

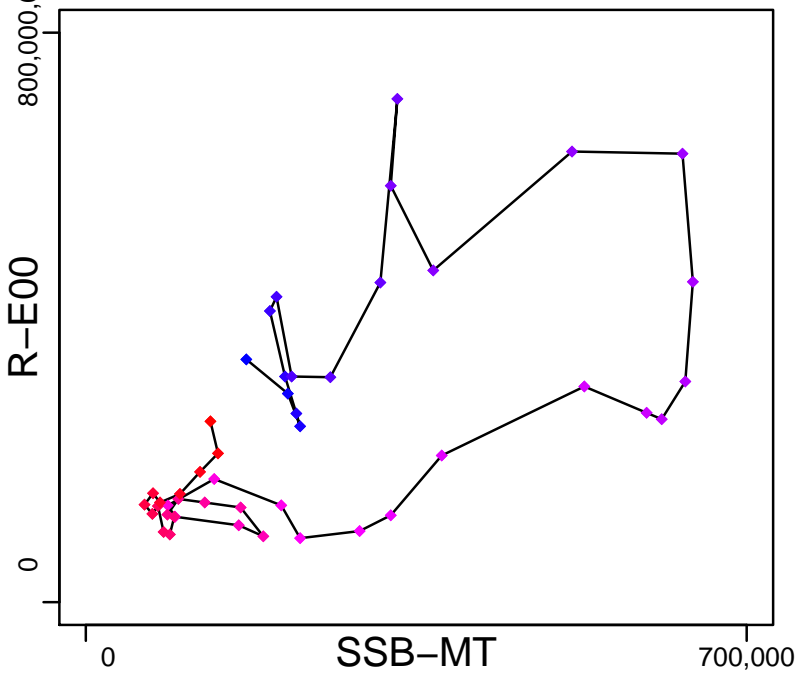
Kobe MSYpref (1964–2013–ICESIMP2016)



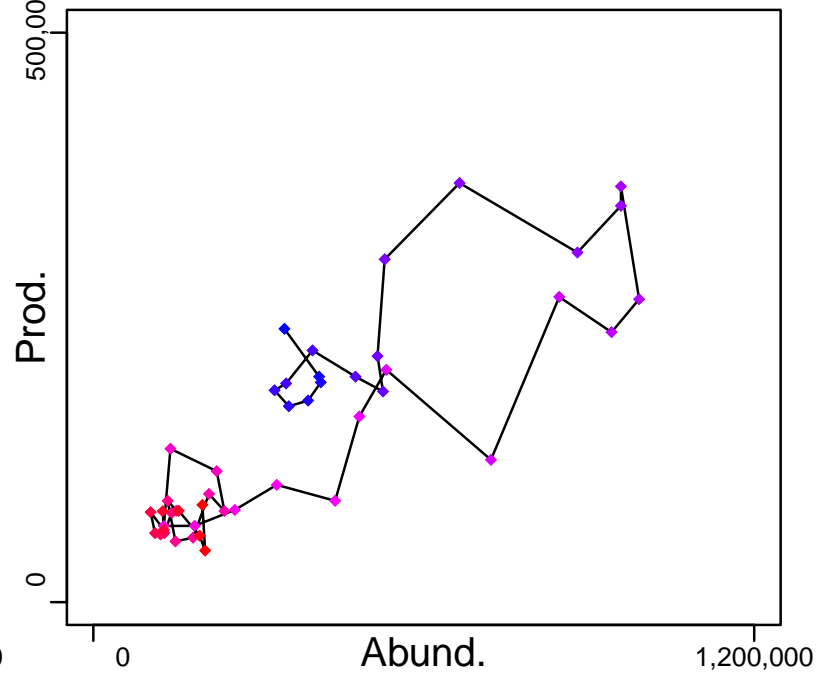
Kobe MGTpref (1964–2013–ICESIMP2016)



Spawner Recruit (1964–2013–ICESIMP2016)



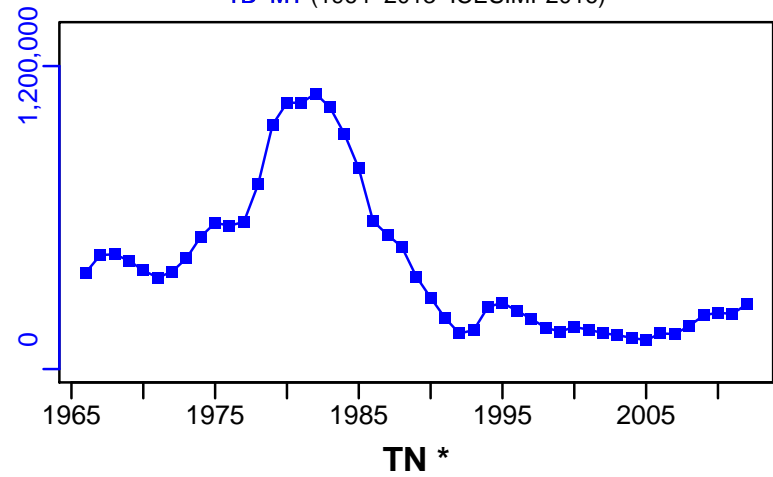
Production (1964–2013–ICESIMP2016)



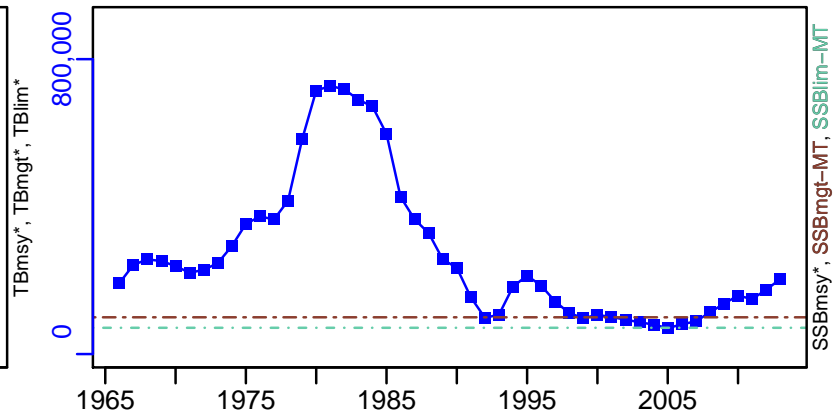
◆ Start Year ◆ End Year * No Data

Atlantic cod Baltic Areas 25–32 [CODBA2532]

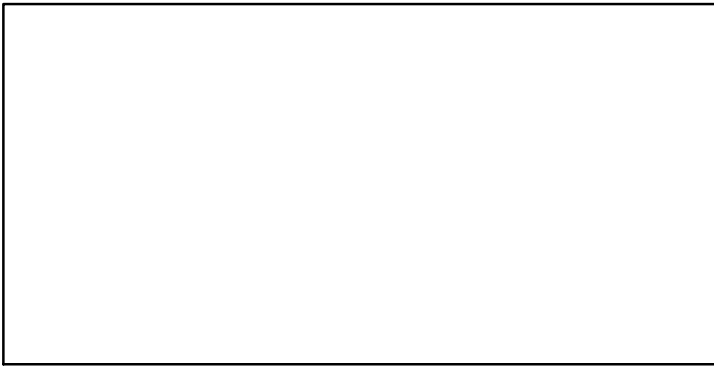
TB–MT (1964–2013–ICESIMP2016)



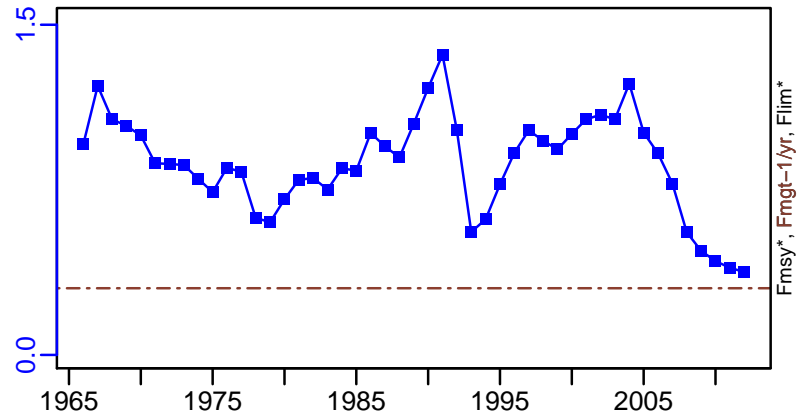
SSB–MT (1964–2013–ICESIMP2016)



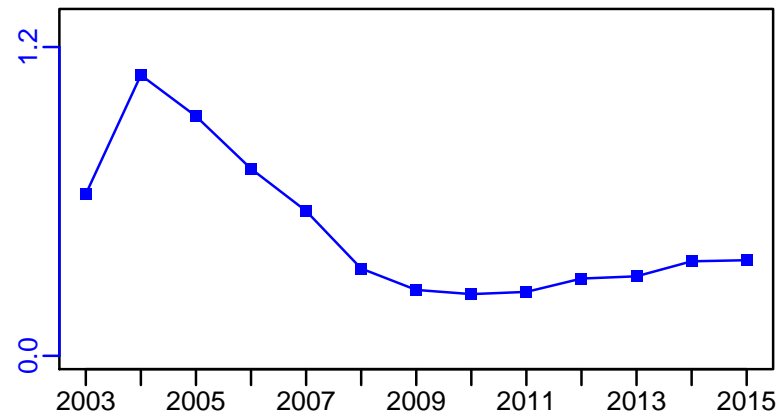
TN *



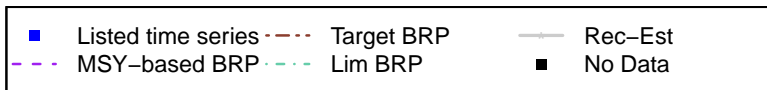
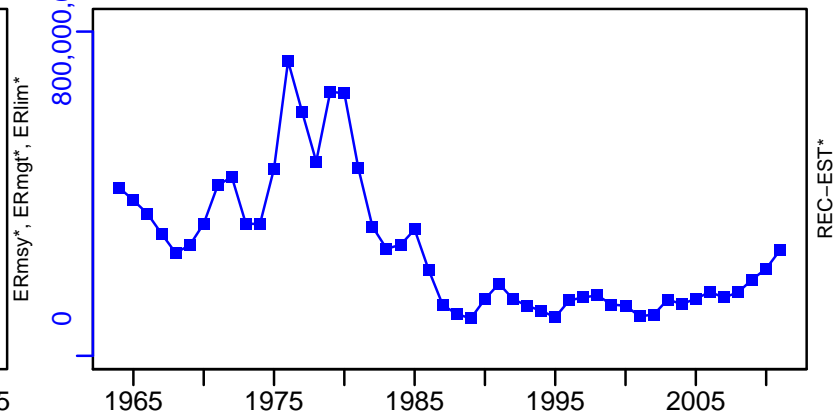
F–1/yr (1964–2013–ICESIMP2016)



ER–ratio (1965–2016–ICESIMP2016)

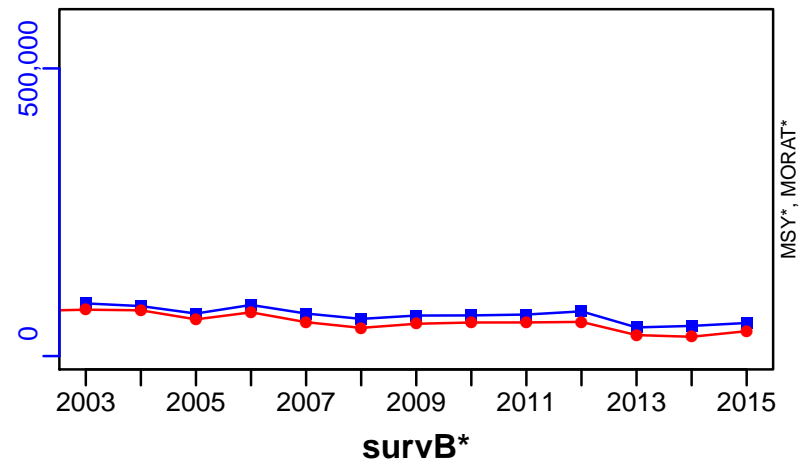


R–E00 (1964–2013–ICESIMP2016)

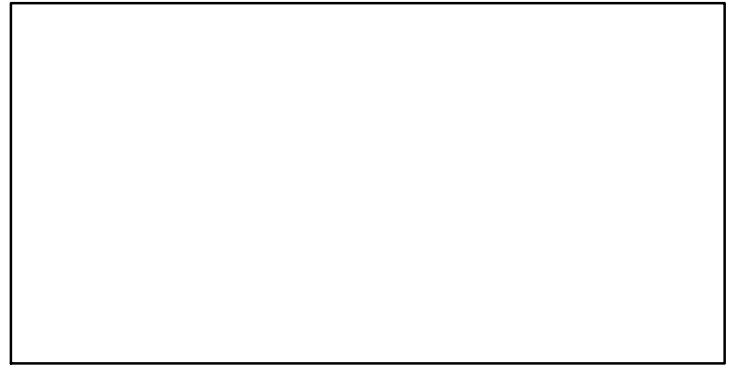


Atlantic cod Baltic Areas 25–32 [CODBA2532]

TC–MT, TL–MT, RecC* (1965–2016–ICESIMP2016)



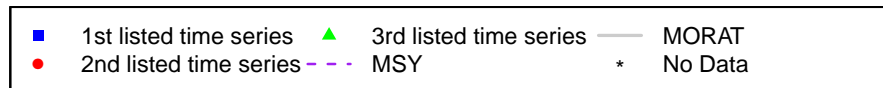
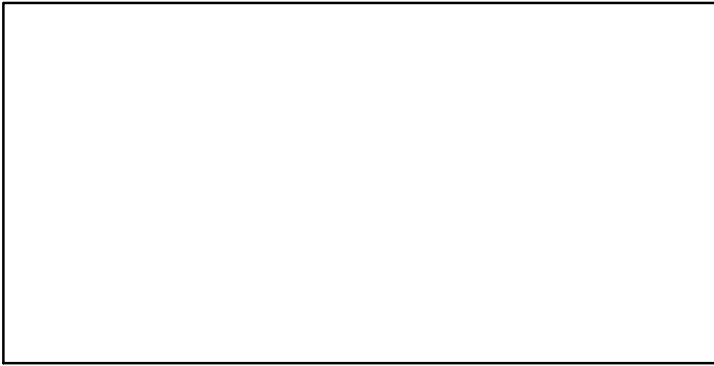
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Atlantic cod IIIa (west) and IV-VIId [CODIIIaW-IV-VIId]

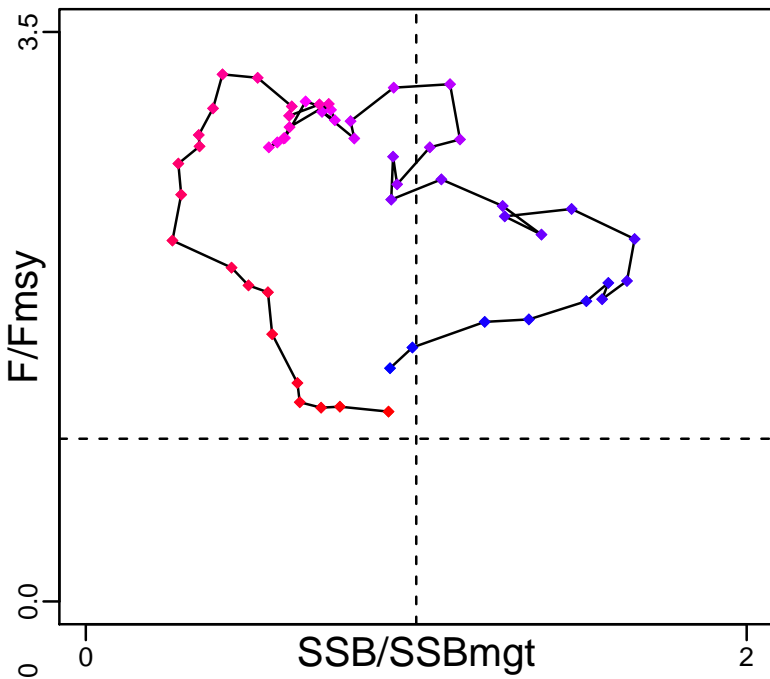
Metadata	
Scientific Name	Gadus morhua
Current Assess ID	WGNSSK-CODIIIaW-IV-VIId-1962-2016-ICESIMP2016
Area	IIIa (west) and IV-VIId
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2011, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.33
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	165,000
Fmgt	Fmgt-1/yr	2016	0.33
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	TBlim-MT	2011	70,000
SSBlim	SSBlim-MT	2016	118,000
Flim	Flim-1/yr	2016	0.58
ERlim	-	-	-

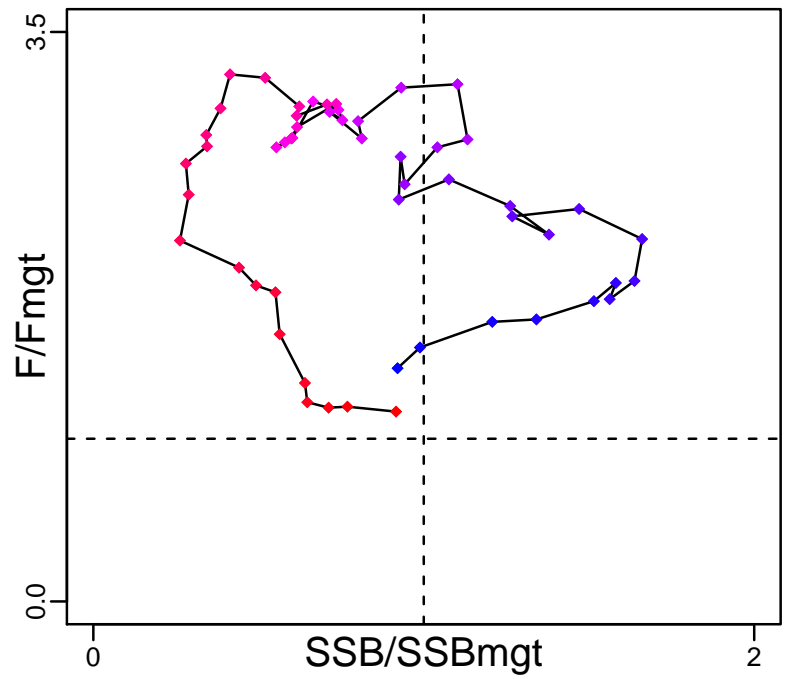
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	288,000	Both	-
SSB	SSB-MT	2016	161,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	1.96×10^8	-	1
F	F-1/yr	2016	0.385	-	2 to 4
ER	ER-calc-ratio	2016	0.182	-	-
TC	TC-MT	2016	52,300		
TL	TL-MT	2016	38,600		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.167		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.977		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.167		
ER/ERmgt	-	-	-		

Atlantic cod IIIa (west) and IV-VIId [CODIIIaW-IV-VIId]

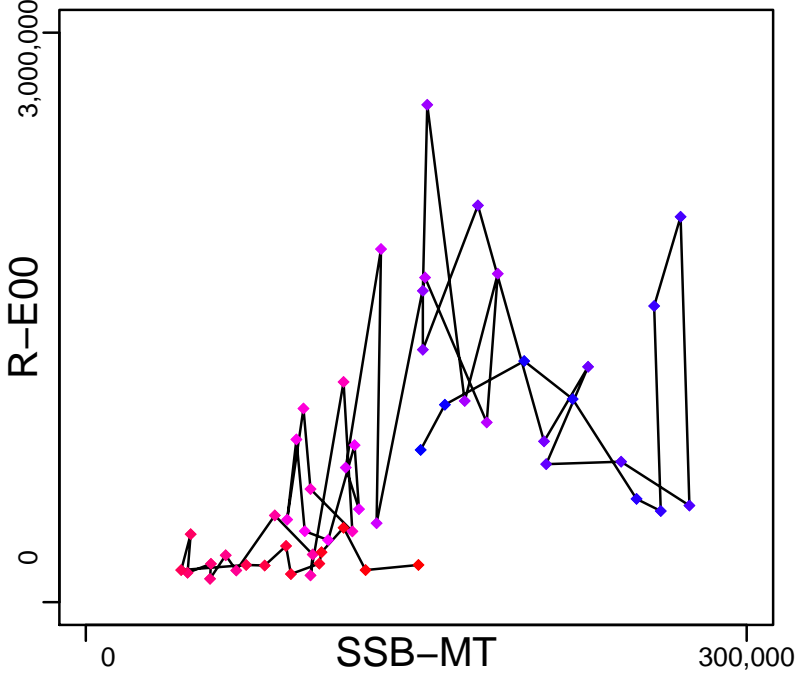
Kobe MSYpref (1962–2016–ICESIMP2016)



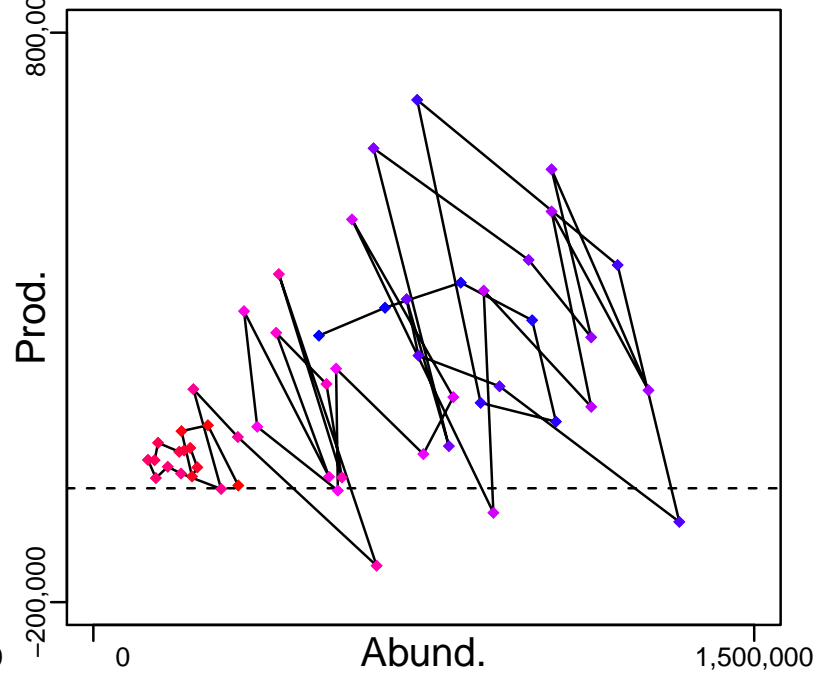
Kobe MGTpref (1962–2016–ICESIMP2016)



Spawner Recruit (1962–2016–ICESIMP2016)

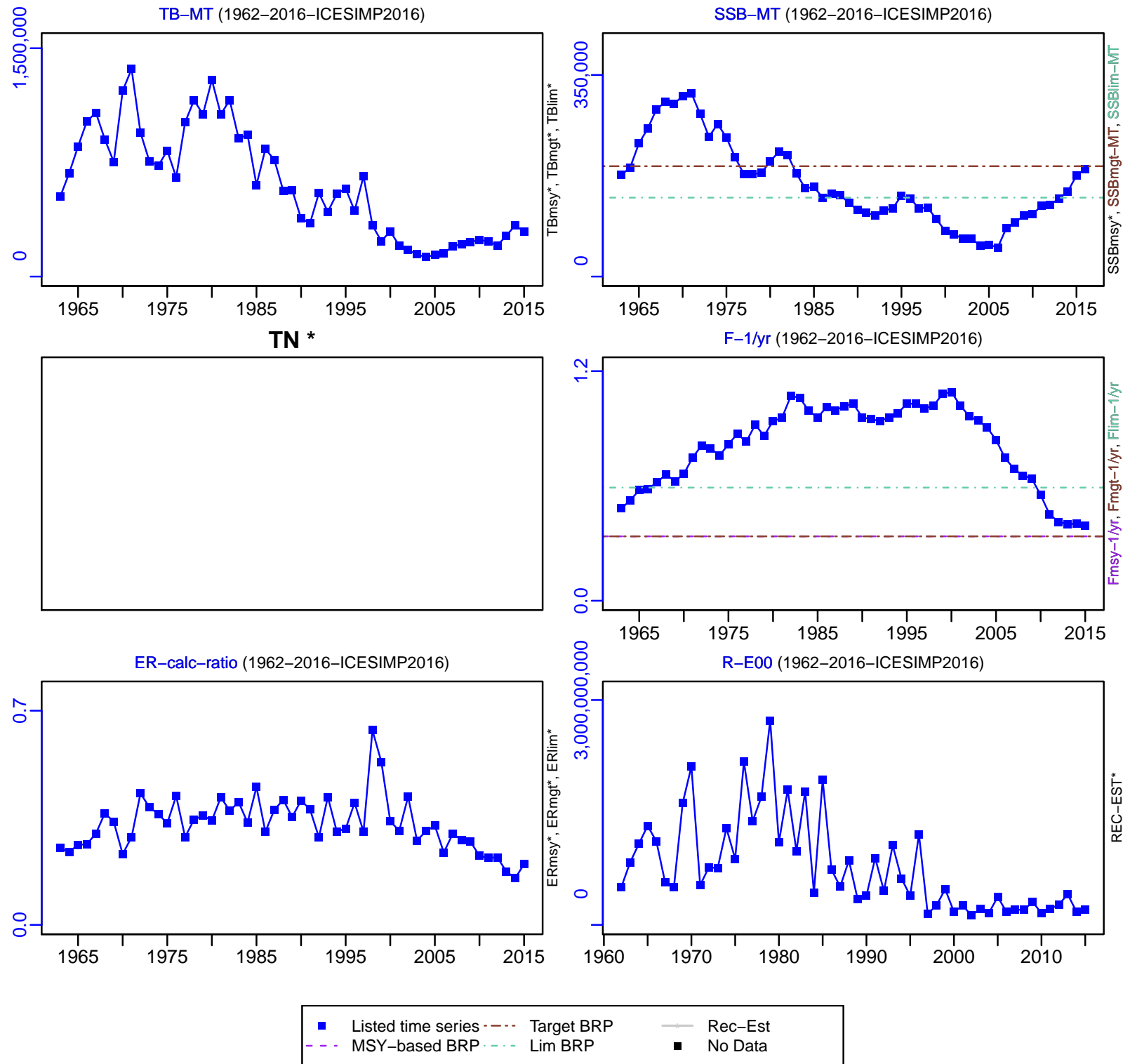


Production (1962–2016–ICESIMP2016)



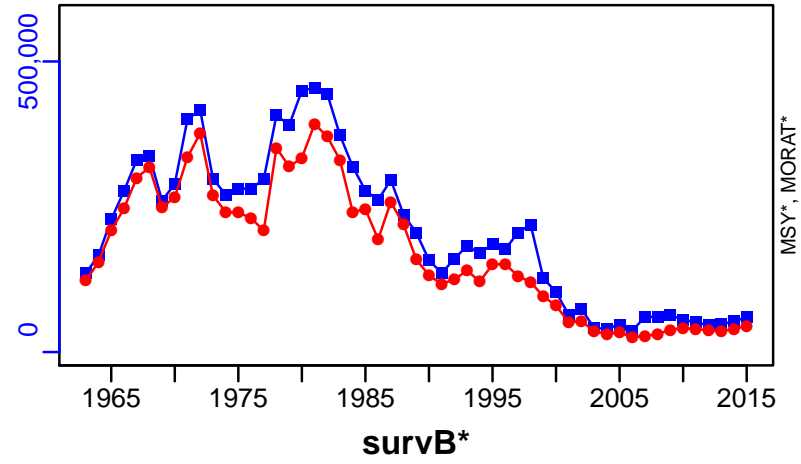
◆ Start Year ◆ End Year * No Data

Atlantic cod IIIa (west) and IV-VIId [CODIIIaW-IV-VIId]

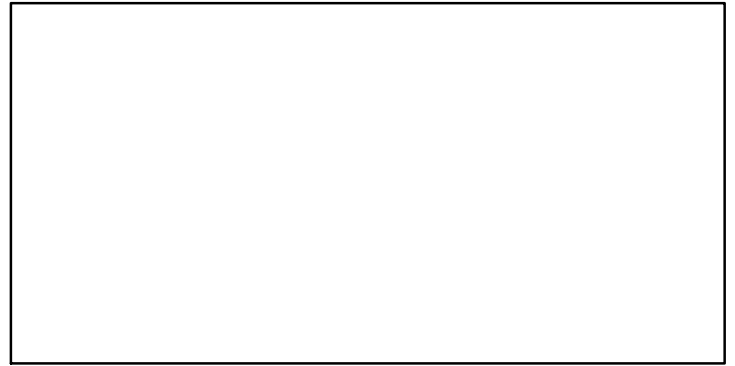


Atlantic cod IIIa (west) and IV-VIId [CODIIIaW-IV-VIId]

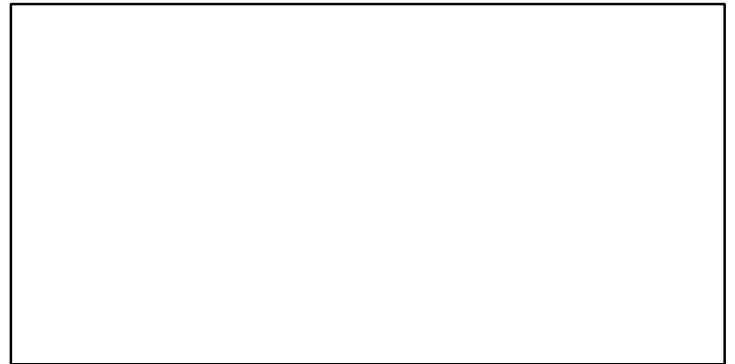
TC-MT, TL-MT, RecC* (1962-2016-ICESIMP2016)



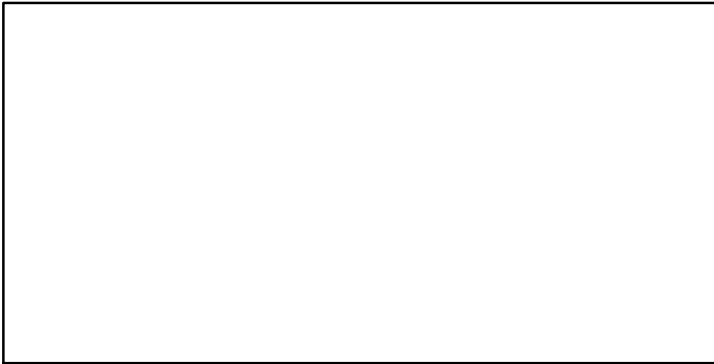
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Atlantic cod Irish Sea [CODIS]

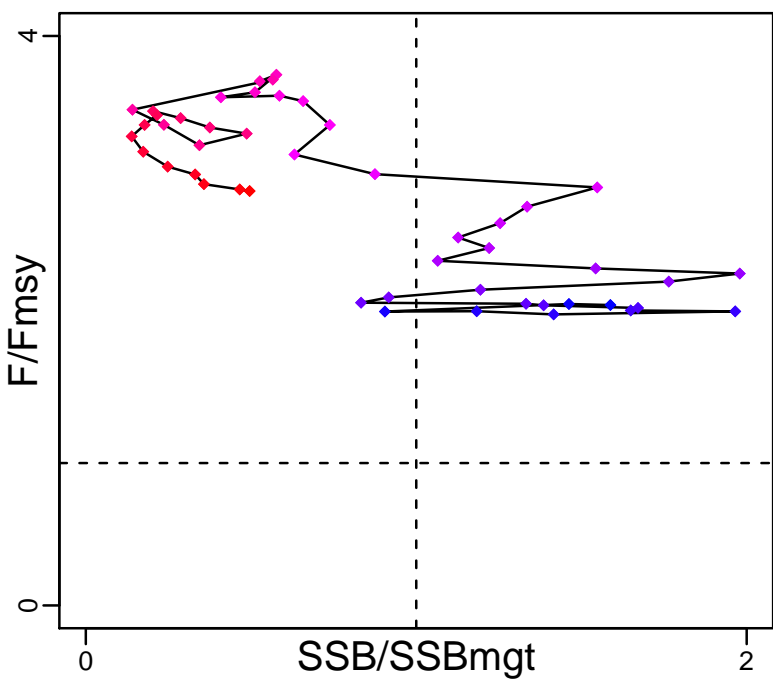
Metadata	
Scientific Name	Gadus morhua
Current Assess ID	WGCSE-CODIS-1967-2016-ICESIMP2016
Area	Irish Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2010, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.37
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	10,000
Fmgt	Fmgt-1/yr	2016	0.37
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.2
TBlim	TBlim-MT	2010	6000
SSBlim	SSBlim-MT	2016	6000
Flim	Flim-1/yr	2016	1.33
ERlim	-	-	-

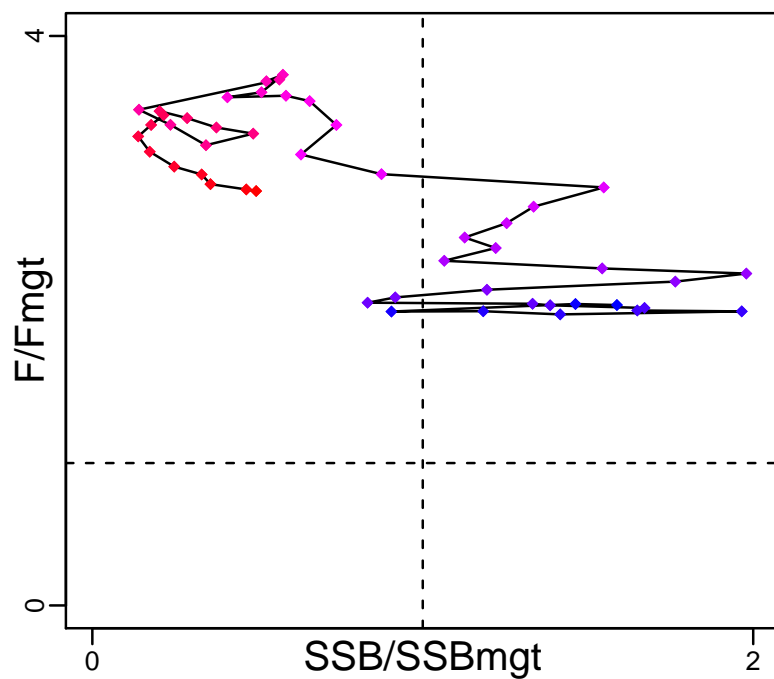
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	6610	Both	-
SSB	SSB-MT	2016	5270	Both	-
TN	-	-	-	-	-
R	R-E00	2016	1,130,000	-	1
F	F-1/yr	2016	1.08	-	2 to 4
ER	ER-calc-ratio	2016	0.058	-	-
TC	TC-MT	2016	385		
TL	TL-MT	2016	161		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	2.911		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.527		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	2.911		
ER/ERmgt	-	-	-		

Atlantic cod Irish Sea [CODIS]

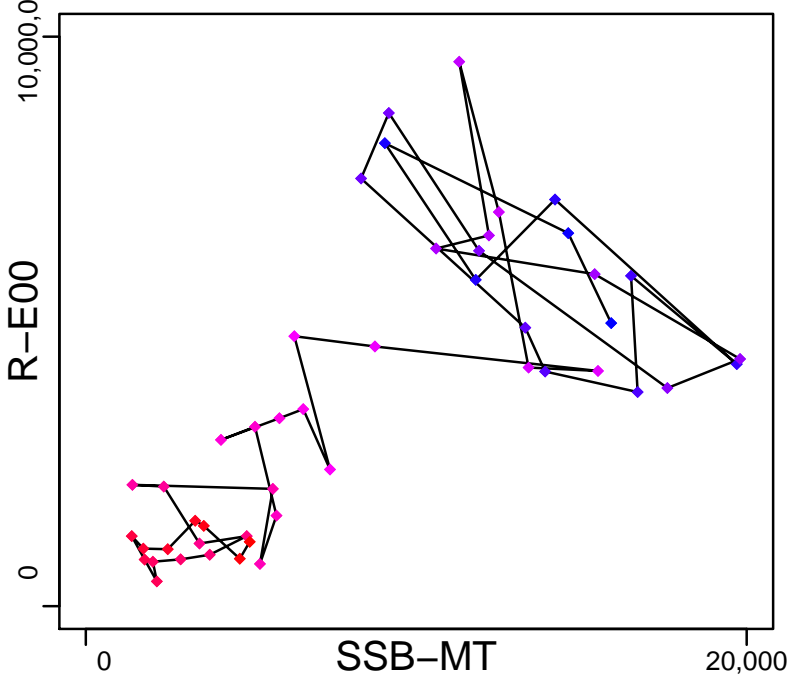
Kobe MSYpref (1967–2016–ICESIMP2016)



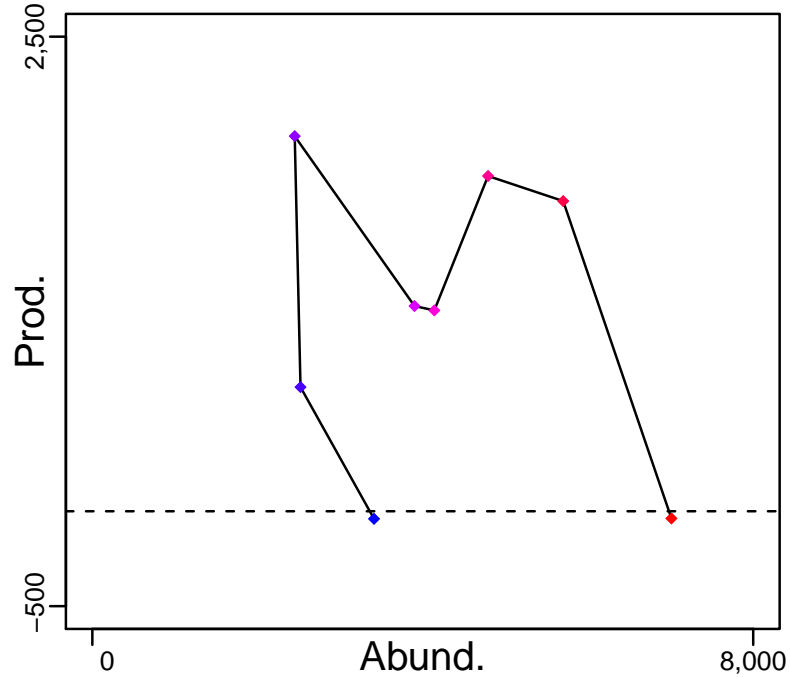
Kobe MGTpref (1967–2016–ICESIMP2016)



Spawner Recruit (1967–2016–ICESIMP2016)



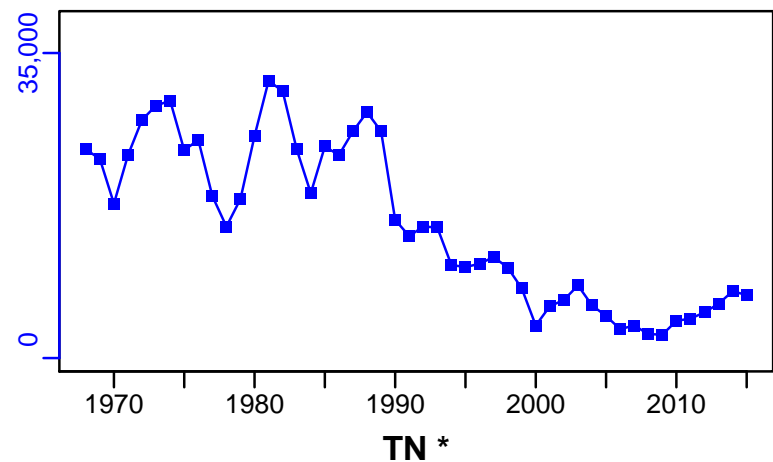
Production (1967–2016–ICESIMP2016)



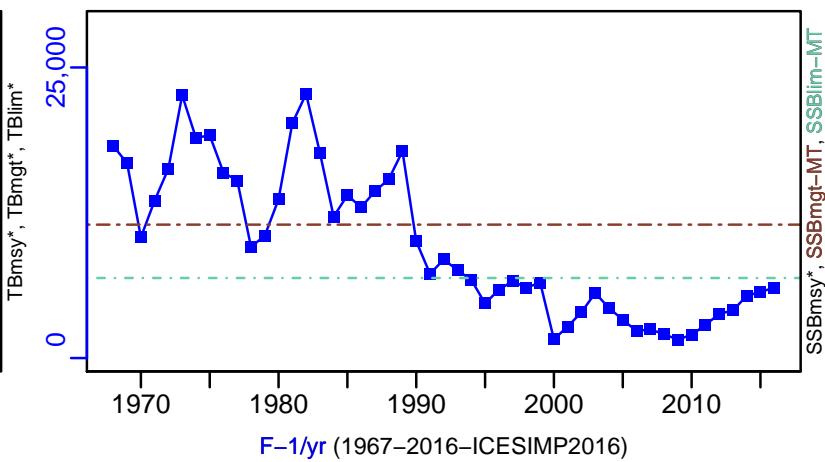
◆ Start Year ◆ End Year * No Data

Atlantic cod Irish Sea [CODIS]

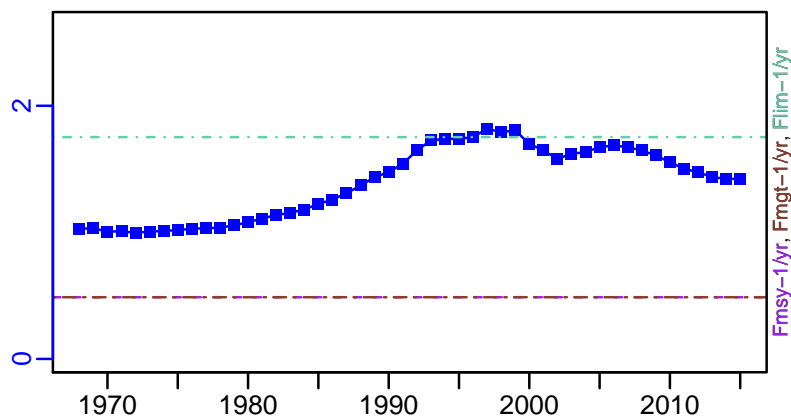
TB-MT (1967–2016–ICESIMP2016)



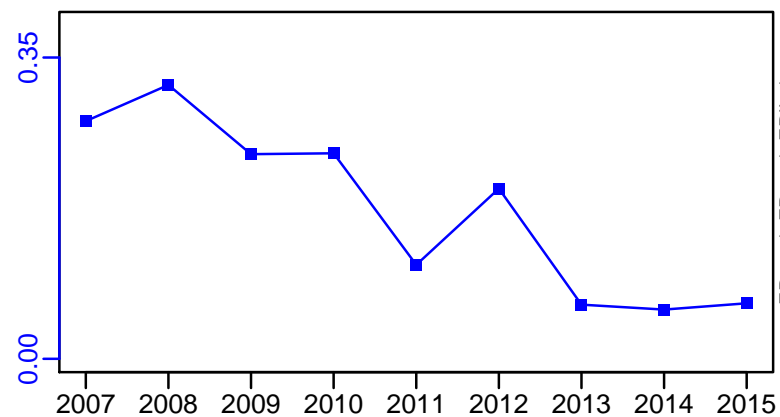
SSB-MT (1967–2016–ICESIMP2016)



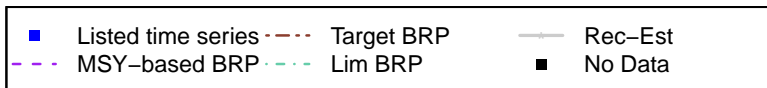
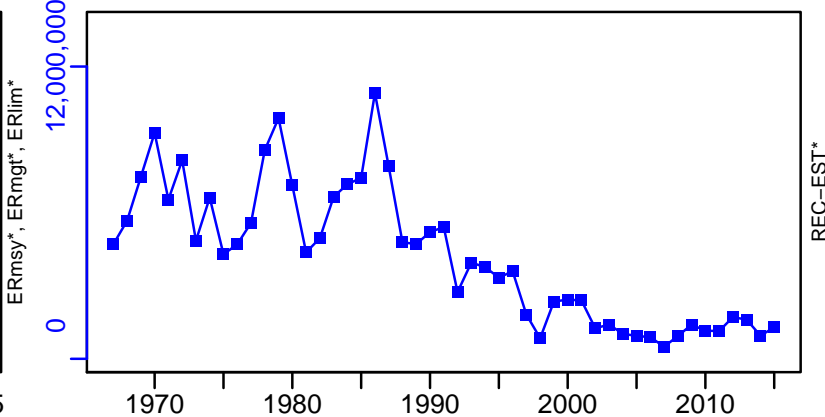
F-1/yr (1967–2016–ICESIMP2016)



ER-calc-ratio (1967–2016–ICESIMP2016)

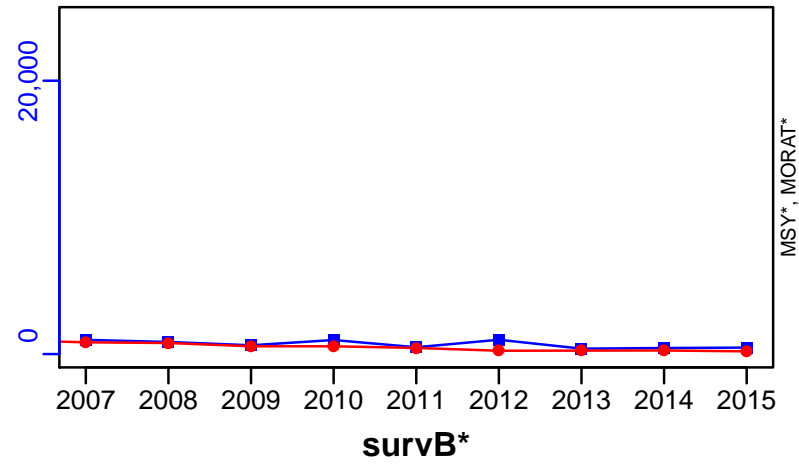


R-E00 (1967–2016–ICESIMP2016)

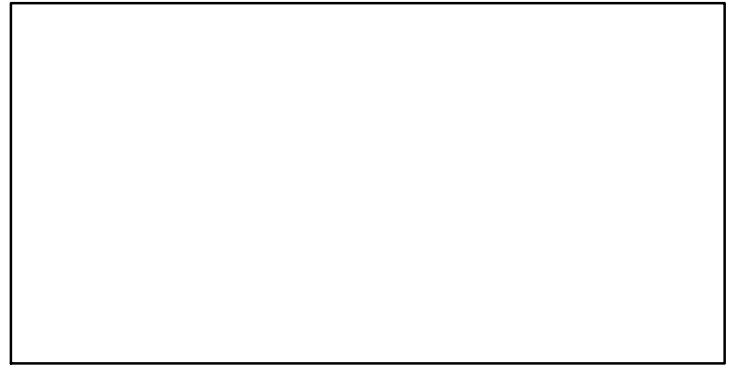


Atlantic cod Irish Sea [CODIS]

TC-MT, TL-MT, RecC* (1967–2016–ICESIMP2016)



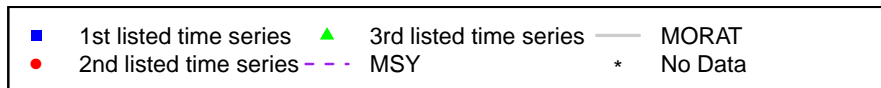
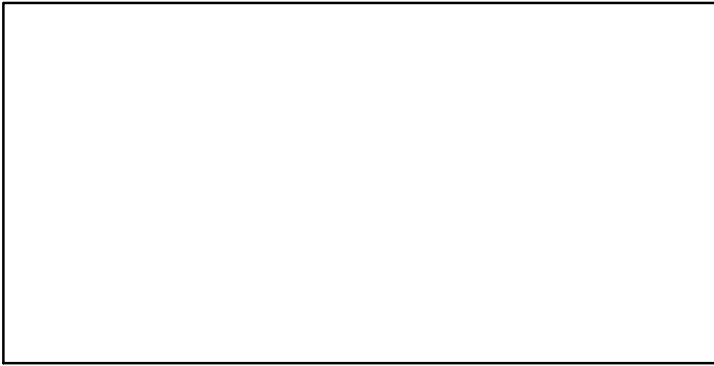
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



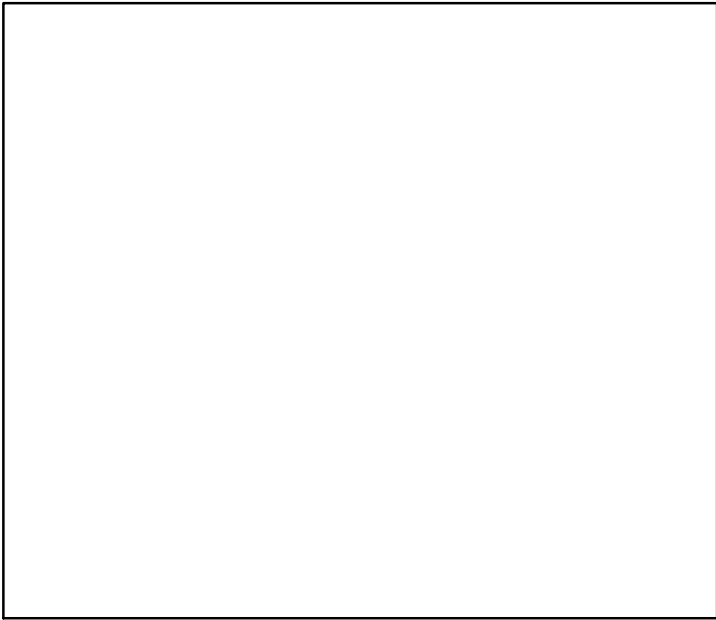
Atlantic cod Kattegat [CODKAT]

Metadata	
Scientific Name	Gadus morhua
Current Assess ID	WGBFAS-CODKAT-1996-2016-ICESIMP2016
Area	Kattegat and Skagerrak
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2012, 2015, 2016

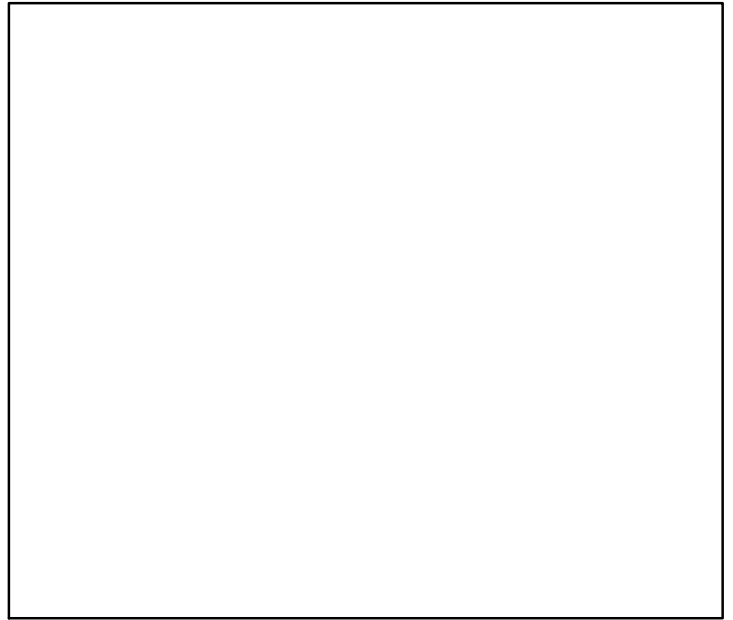
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-relative	2015	10,500
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	TBlim-MT	2012	6400
SSBlim	SSBlim-relative	2015	6400
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-relative	2016	1.74	Both	-
TN	-	-	-	-	-
R	R-relative	2016	0.493	-	1
F	F-relative	2016	0.391	-	-
ER	ER-ratio	2012	0.101	-	-
TC	TC-MT	2016	508		
TL	TL-MT	2016	107		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

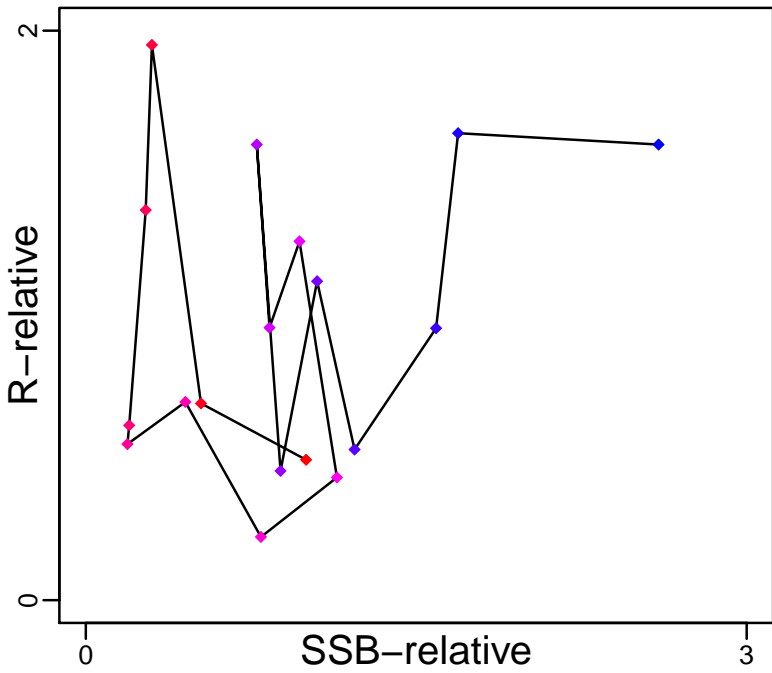
Kobe MSY*



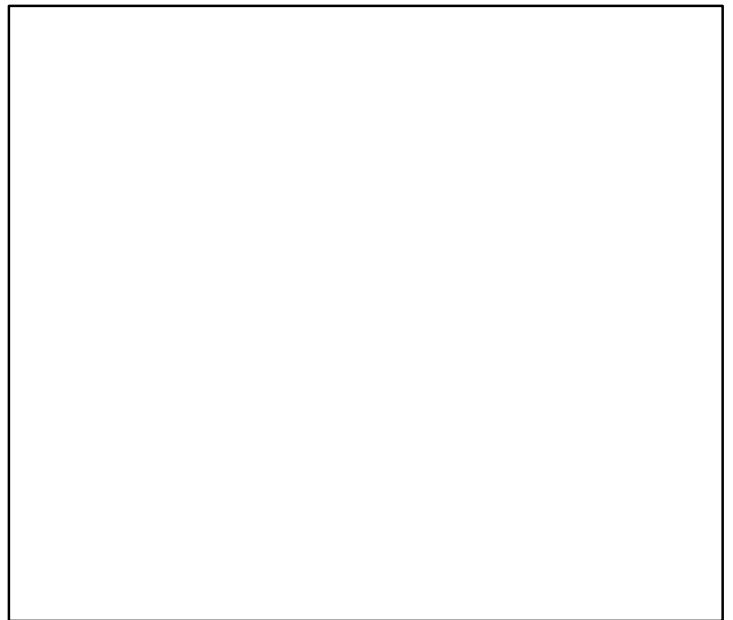
Kobe MGT*



Spawner Recruit (1996–2016–ICESIMP2016)



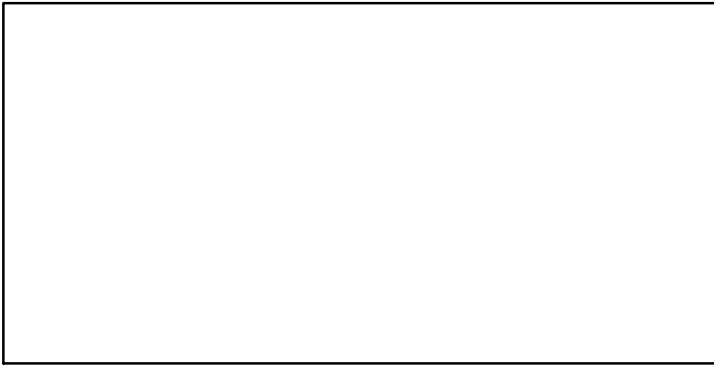
Production*



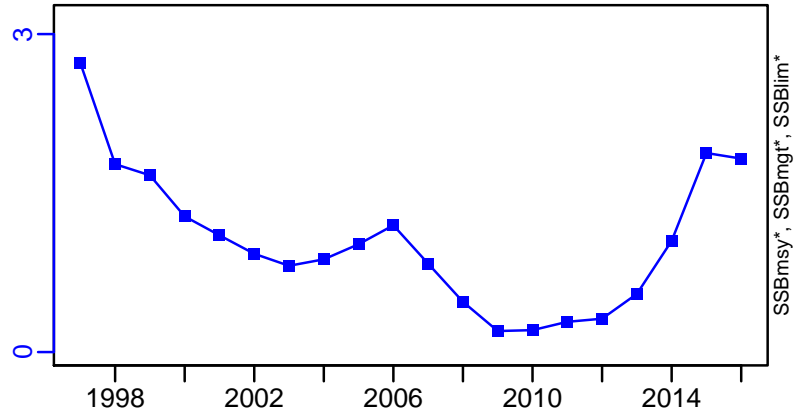
◆ Start Year ◆ End Year * No Data

Atlantic cod Kattegat [CODKAT]

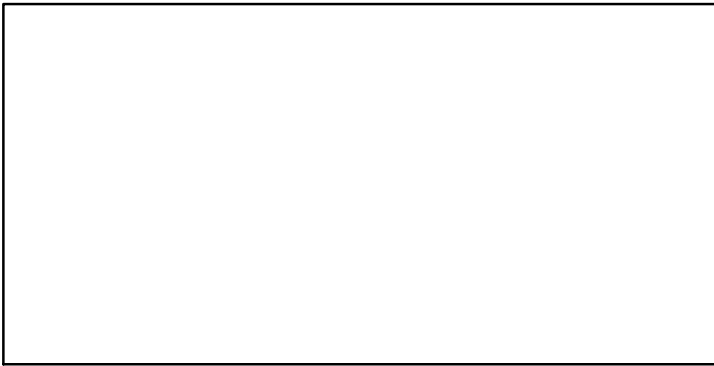
TB*



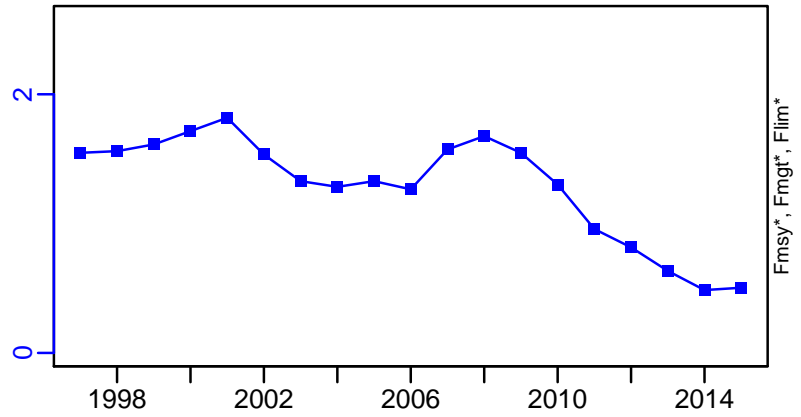
SSB-relative (1996–2016–ICESIMP2016)



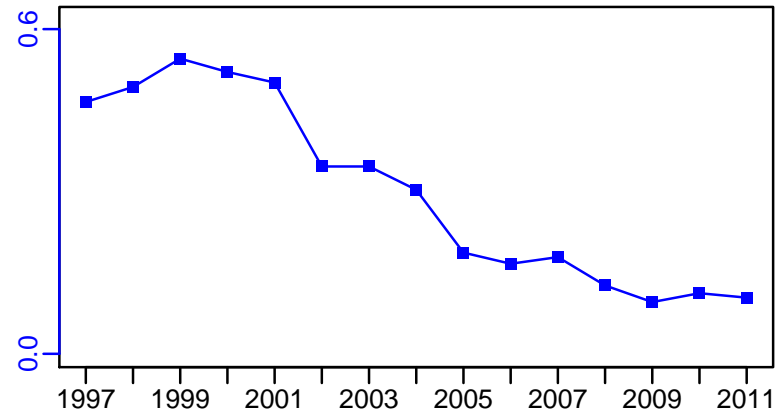
TN *



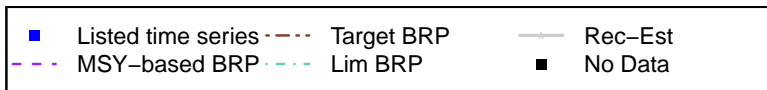
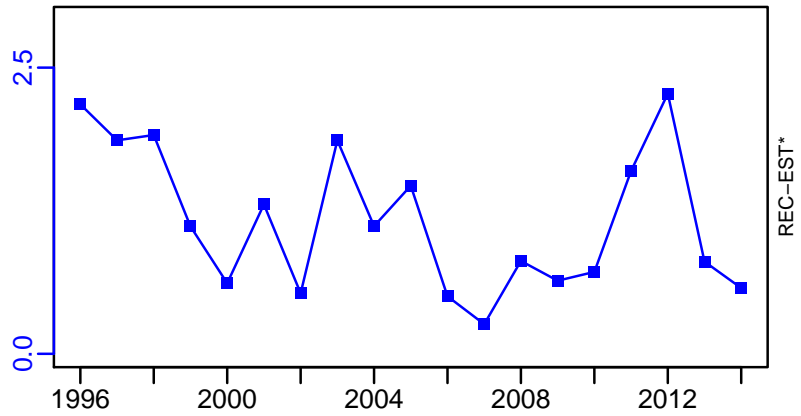
F-relative (1996–2016–ICESIMP2016)



ER-ratio (1971–2012–CHING)

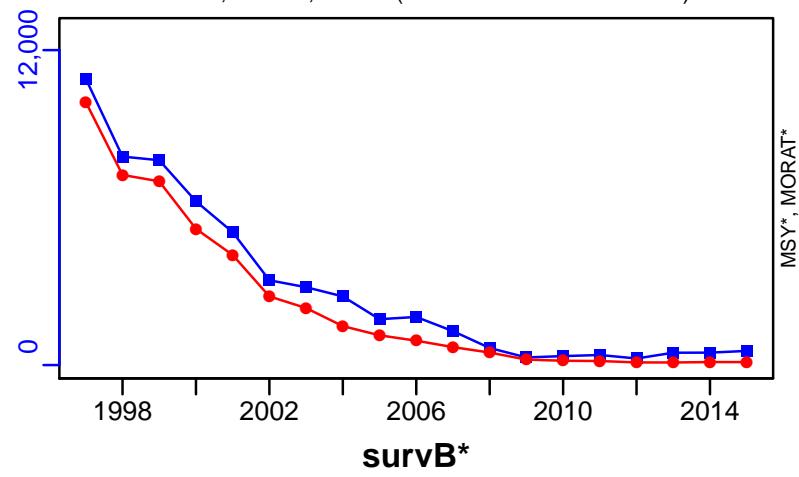


R-relative (1996–2016–ICESIMP2016)

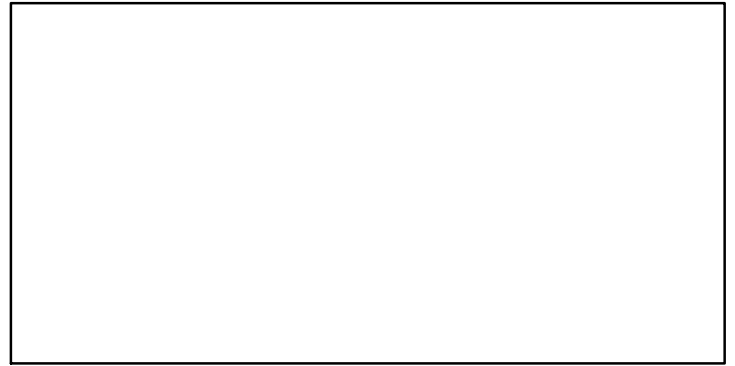


Atlantic cod Kattegat [CODKAT]

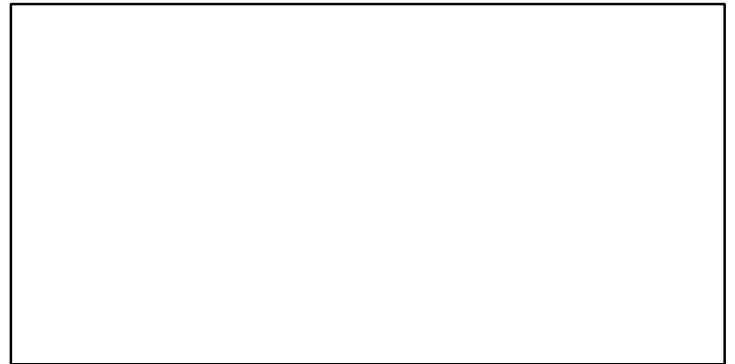
TC-MT, TL-MT, RecC* (1996–2016–ICESIMP2016)



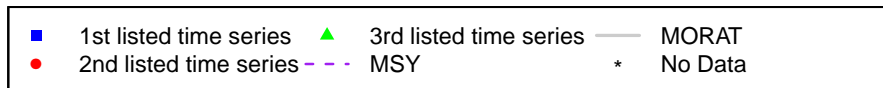
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Atlantic cod West of Scotland [CODVla]

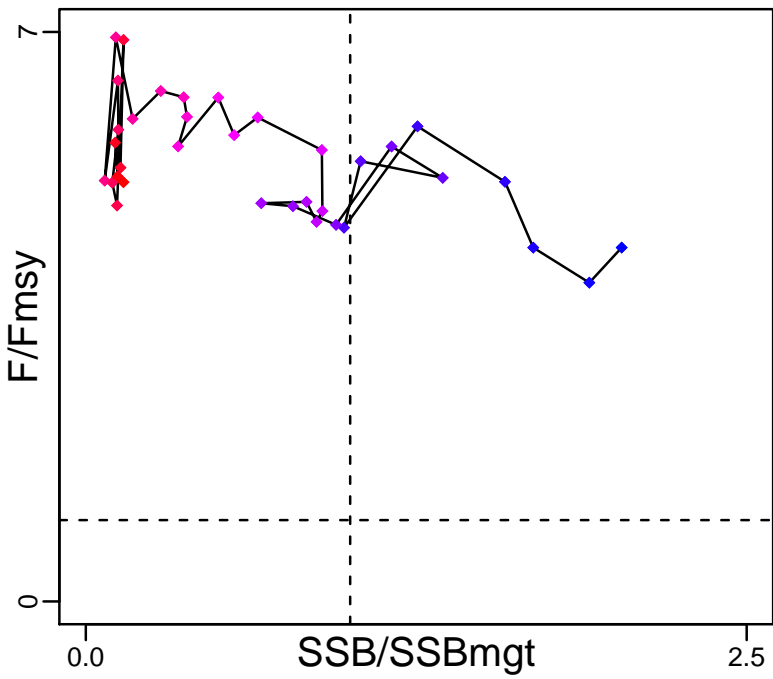
Metadata	
Scientific Name	Gadus morhua
Current Assess ID	WGCSE-CODVla-1981-2016-ICESIMP2016
Area	West of Scotland
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2013, 2014, 2015, 2012, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-pr-MT	2012	22,000
Fmsy	Fmsy-1/yr	2016	0.17
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	20,000
Fmgt	Fmgt-1/yr	2016	0.17
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	14,000
Flim	Flim-1/yr	2016	0.82
ERlim	-	-	-

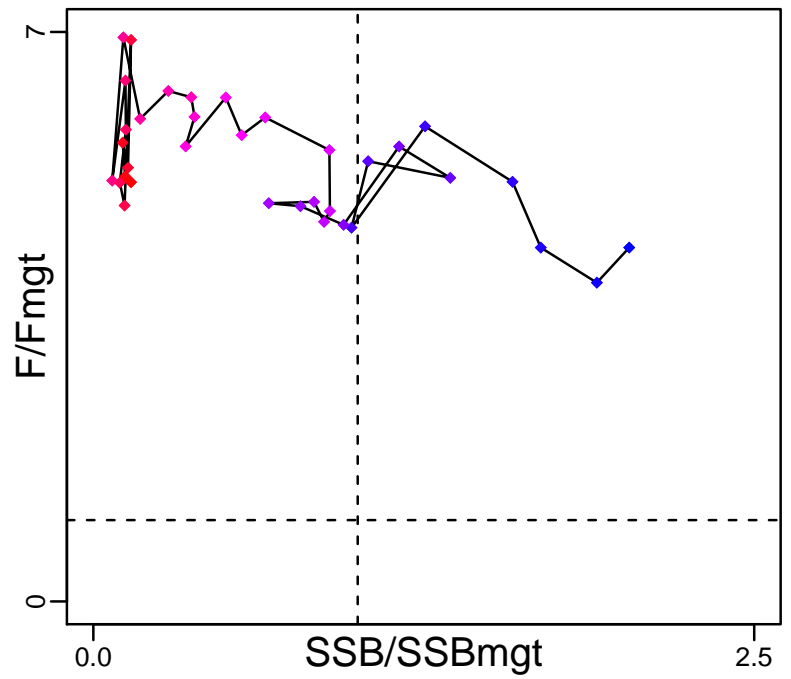
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	4270	Both	-
SSB	SSB-MT	2016	2680	Both	-
TN	-	-	-	-	-
R	R-E00	2016	3,780,000	-	-
F	F-1/yr	2016	0.876	-	-
ER	ER-calc-ratio	2016	0.368	-	-
TC	TC-MT	2016	1750		
TL	TL-MT	2016	770		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2012	0.169		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	5.153		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.134		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	5.153		
ER/ERmgt	-	-	-		

Atlantic cod West of Scotland [CODVla]

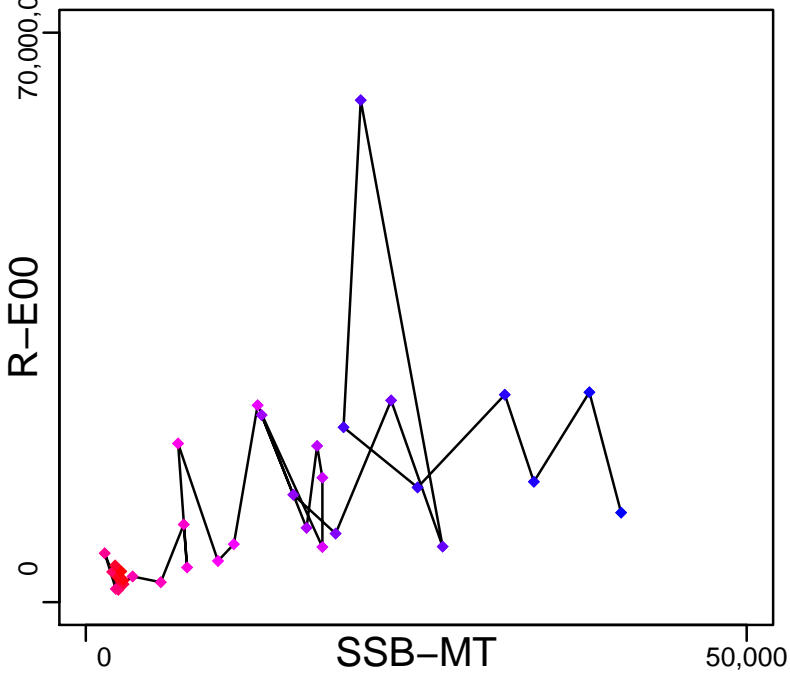
Kobe MSYpref (1981–2016–ICESIMP2016)



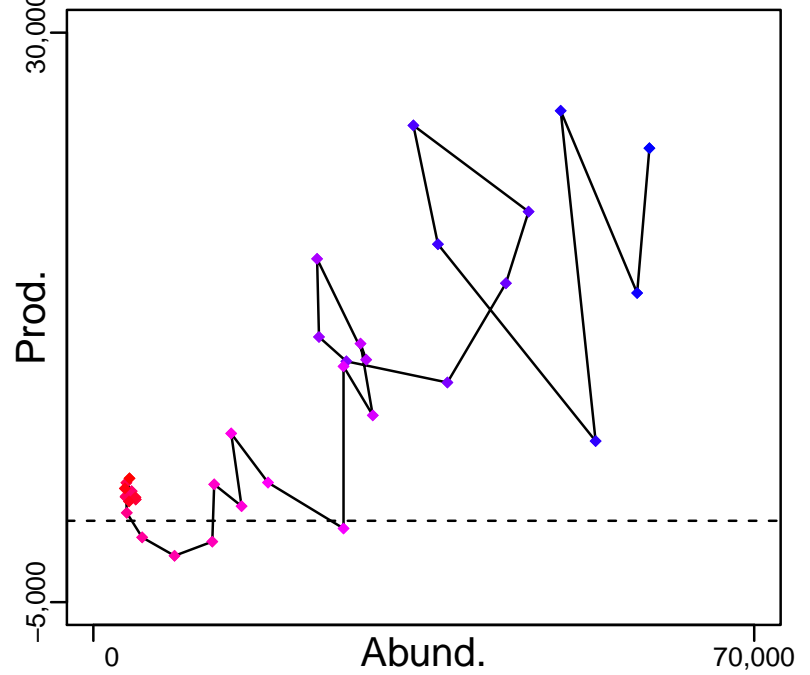
Kobe MGTpref (1981–2016–ICESIMP2016)



Spawner Recruit (1981–2016–ICESIMP2016)



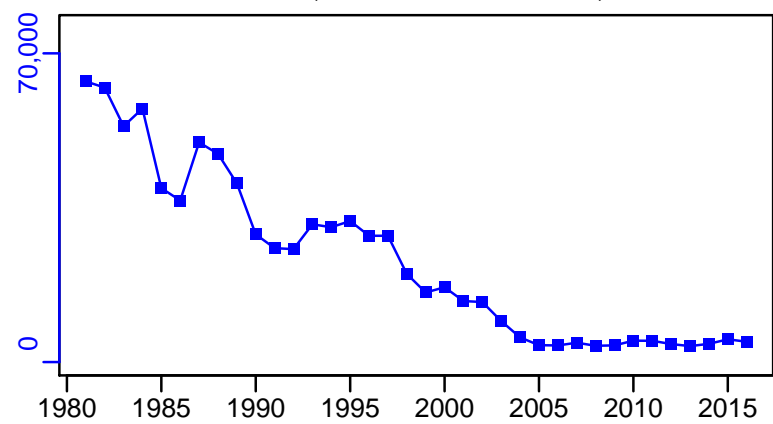
Production (1981–2016–ICESIMP2016)



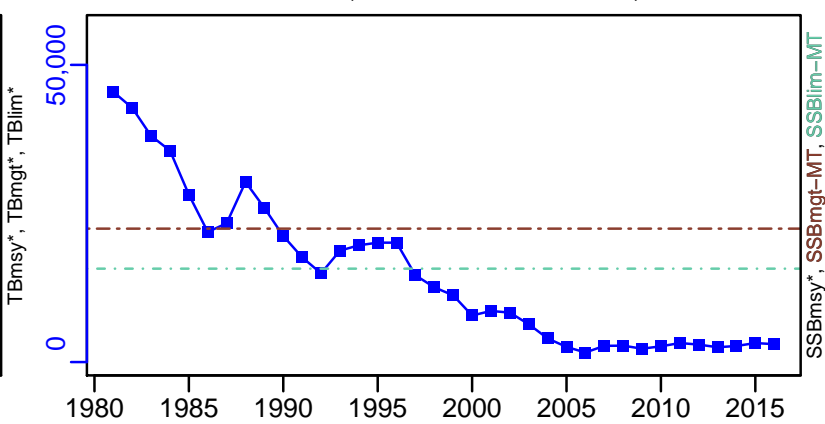
◆ Start Year ◆ End Year * No Data

Atlantic cod West of Scotland [CODVla]

TB-MT (1981–2016–ICESIMP2016)



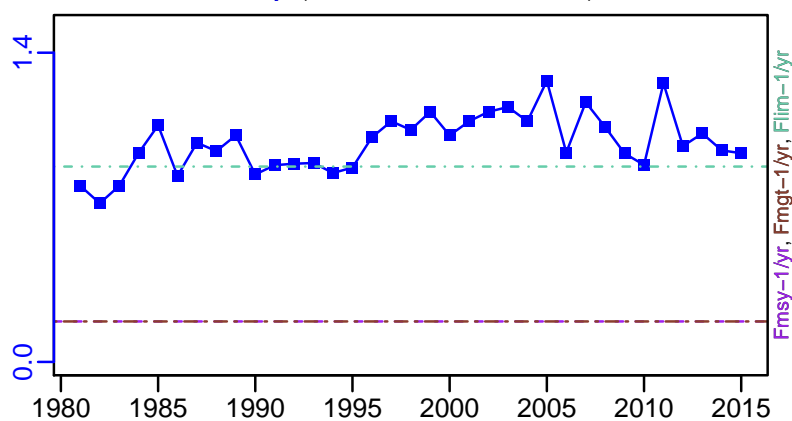
SSB-MT (1981–2016–ICESIMP2016)



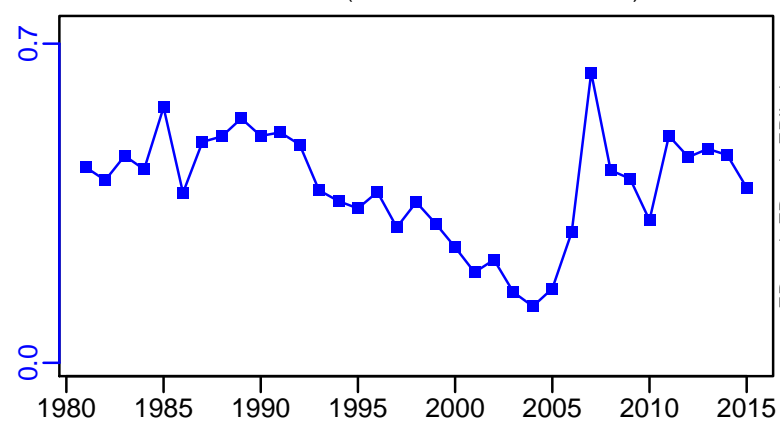
TN *



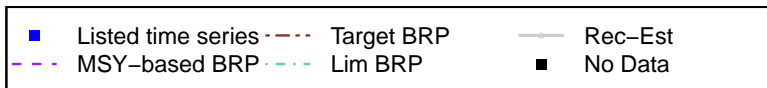
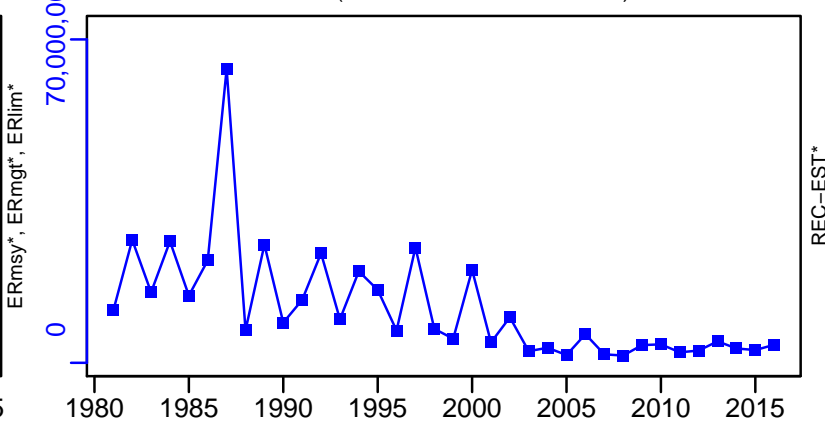
F-1/yr (1981–2016–ICESIMP2016)



ER-calc-ratio (1981–2016–ICESIMP2016)



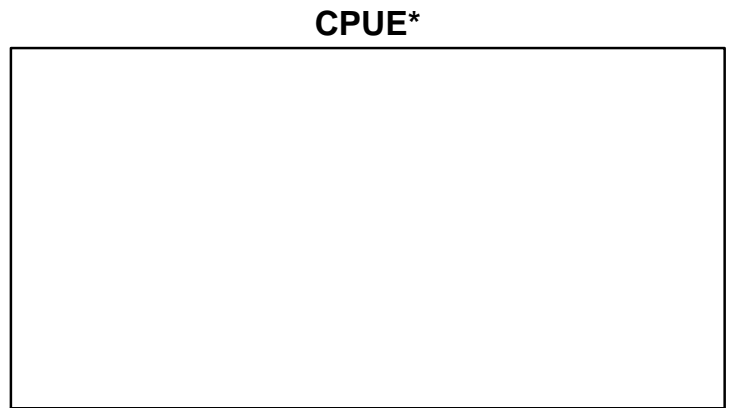
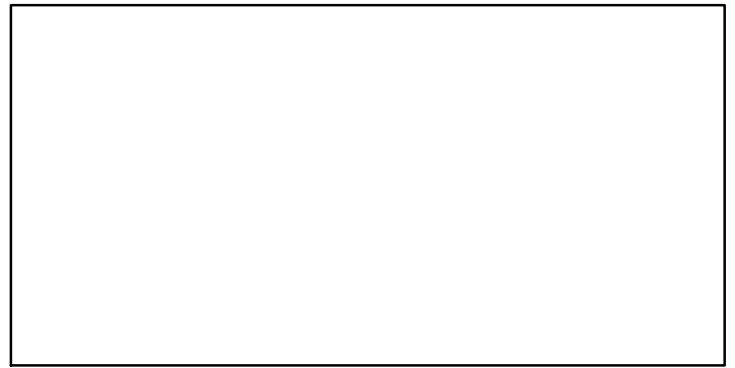
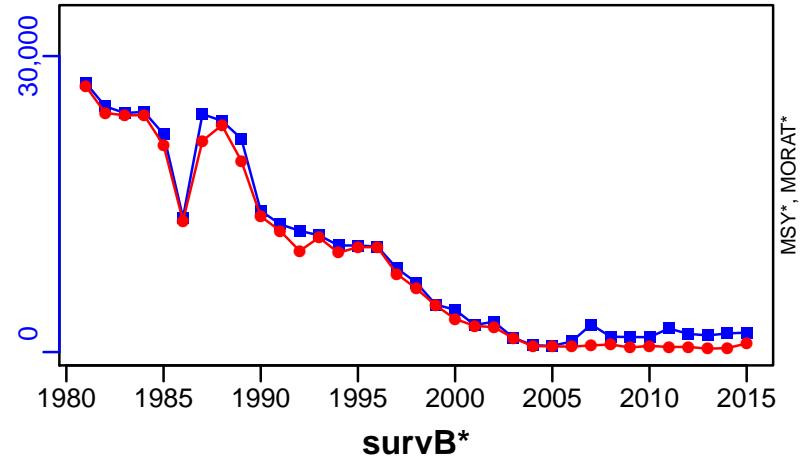
R-E00 (1981–2016–ICESIMP2016)



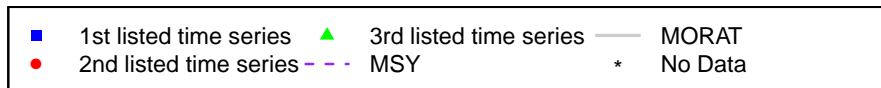
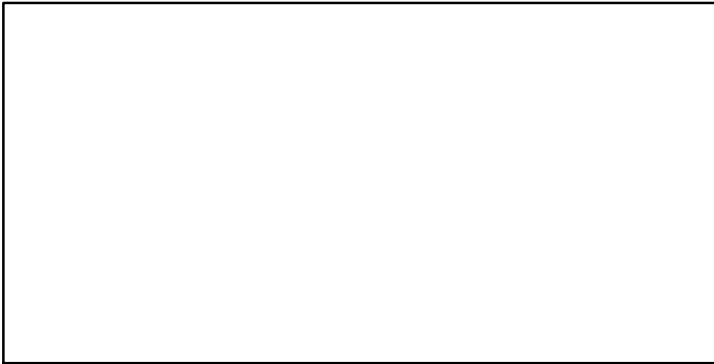
Atlantic cod West of Scotland [CODVla]

TC-MT, TL-MT, RecC* (1981-2016-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Atlantic Cod Celtic Sea [CODVllek]

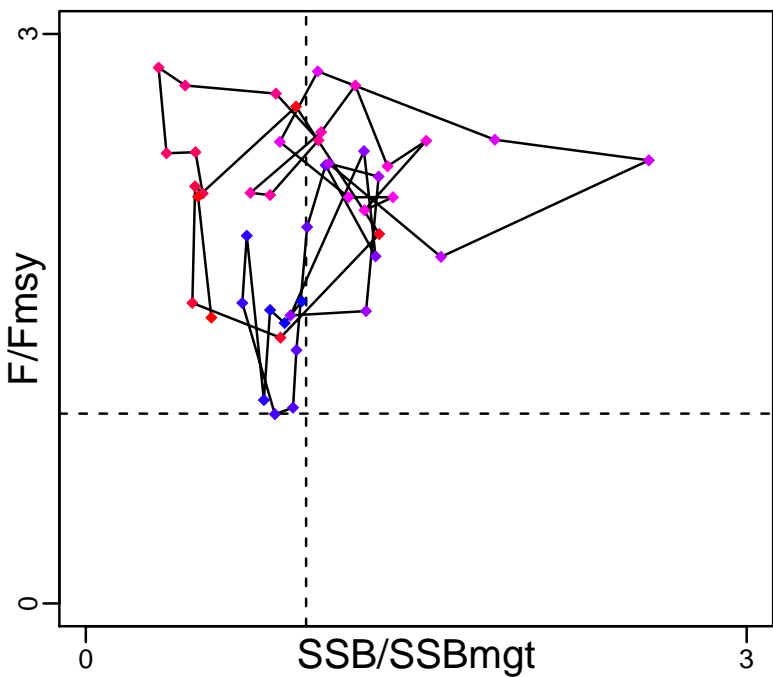
Metadata	
Scientific Name	Gadus morhua
Current Assess ID	WGCSE-CODVllek-1970-2016-ICESIMP2016
Area	Celtic Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2012, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.35
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	10,300
Fmgt	Fmgt-1/yr	2016	0.35
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2012	10,300
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	7300
Flim	Flim-1/yr	2016	0.8
ERlim	-	-	-

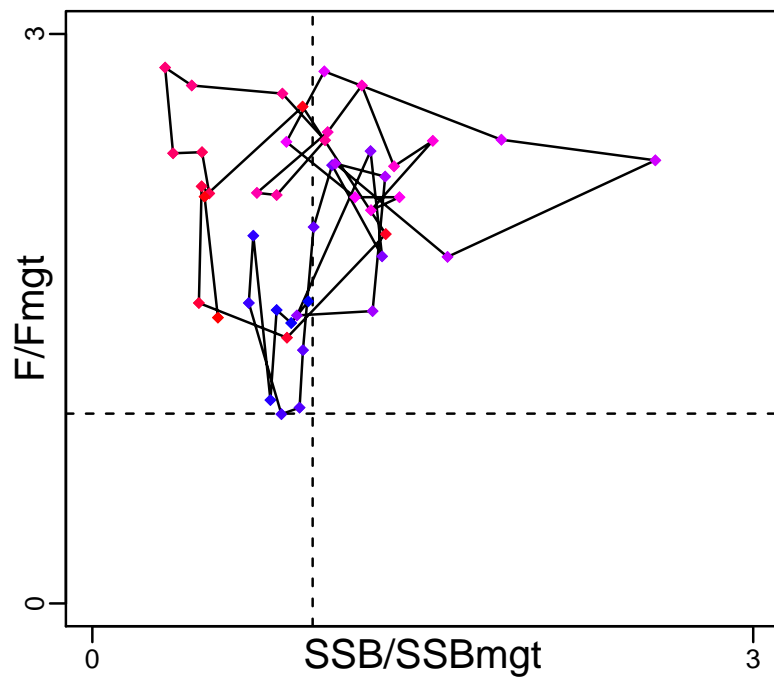
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	10,100	Both	-
SSB	SSB-MT	2016	8040	Both	-
TN	-	-	-	-	-
R	R-E00	2016	2,740,000	-	1
F	F-1/yr	2016	0.527	-	2 to 5
ER	ER-calc-ratio	2016	0.466	-	-
TC	TC-MT	2016	4720		
TL	TL-MT	2016	4150		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.506		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.78		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.506		
ER/ERmgt	-	-	-		

Atlantic Cod Celtic Sea [CODVllek]

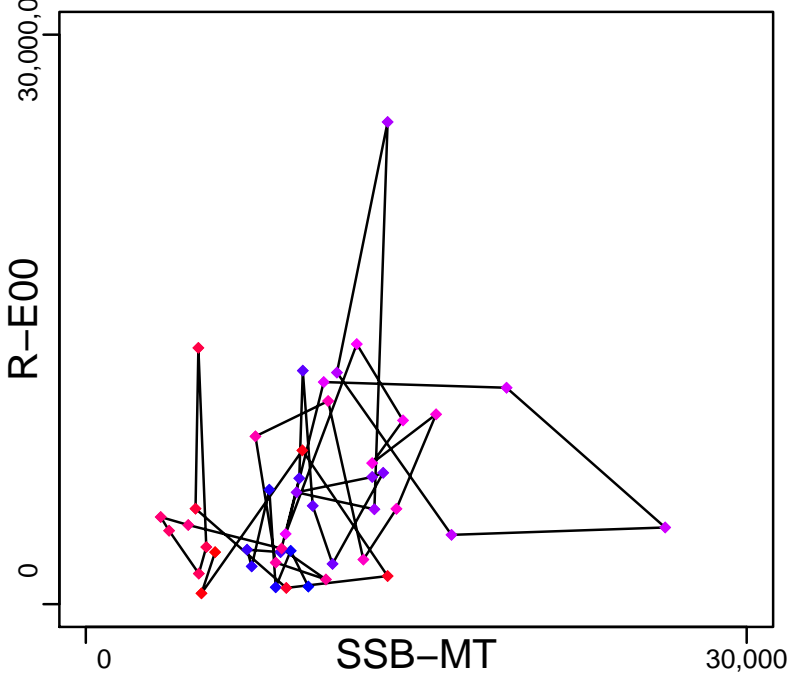
Kobe MSYpref (1970–2016–ICESIMP2016)



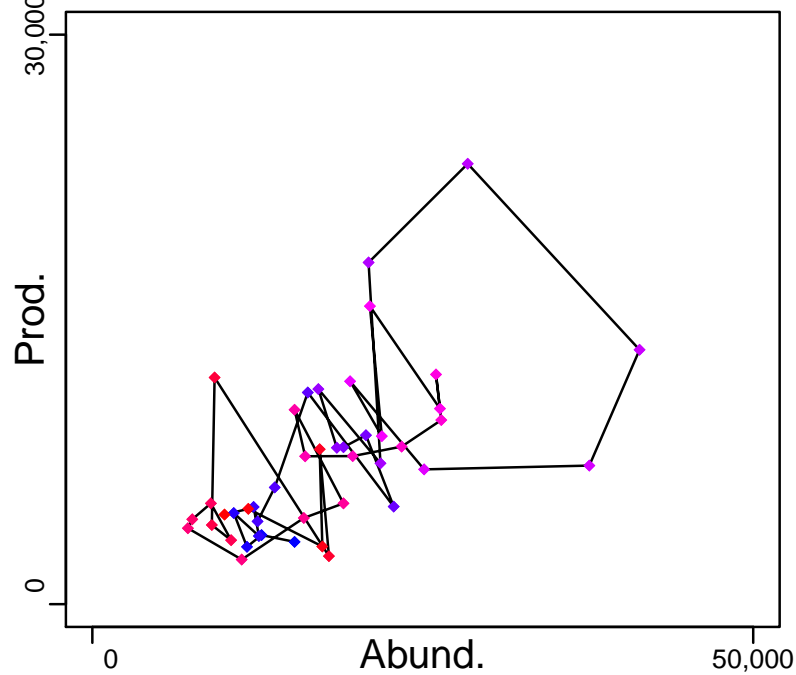
Kobe MGTpref (1970–2016–ICESIMP2016)



Spawner Recruit (1970–2016–ICESIMP2016)



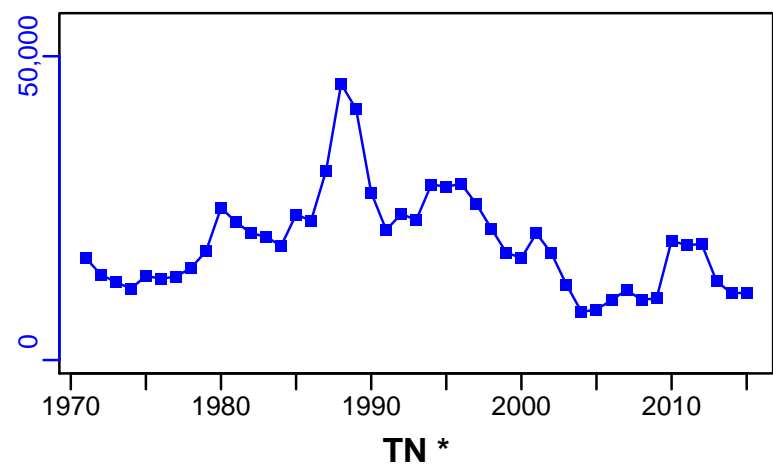
Production (1970–2016–ICESIMP2016)



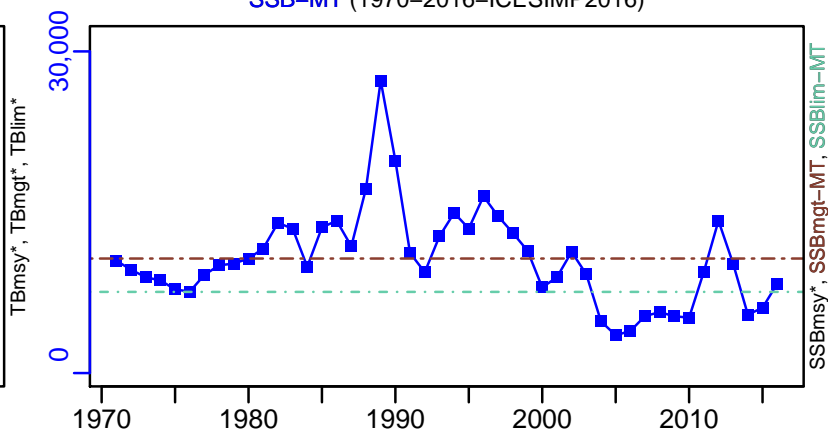
◆ Start Year ◆ End Year * No Data

Atlantic Cod Celtic Sea [CODVilek]

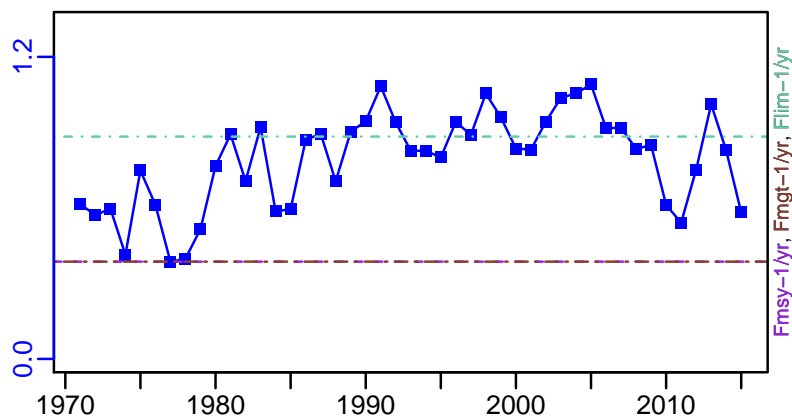
TB-MT (1970–2016–ICESIMP2016)



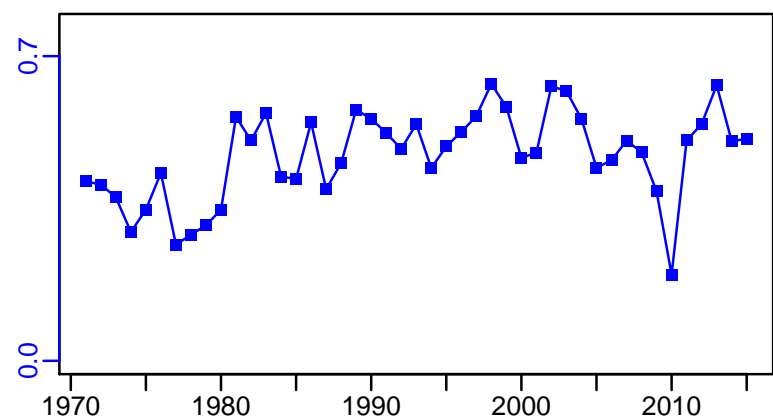
SSB-MT (1970–2016–ICESIMP2016)



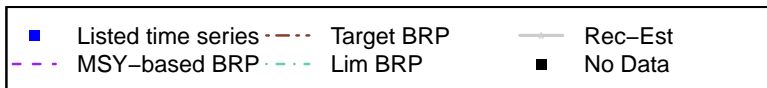
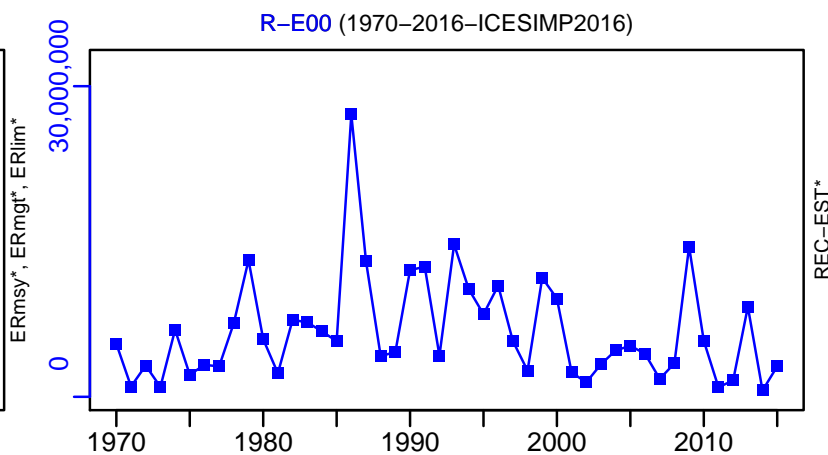
F-1/yr (1970–2016–ICESIMP2016)



ER-calc-ratio (1970–2016–ICESIMP2016)



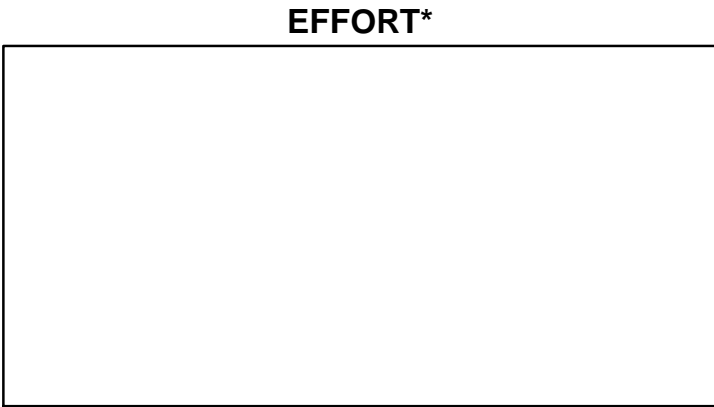
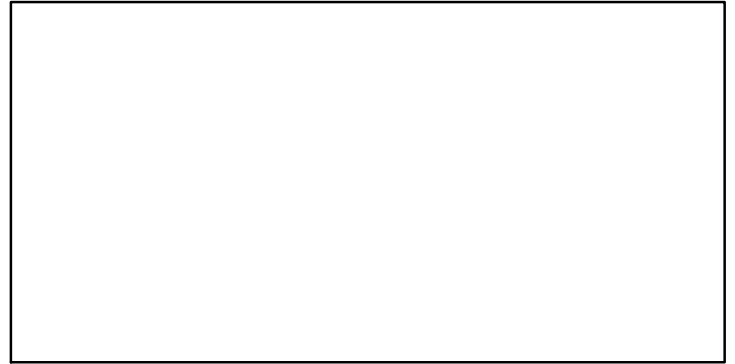
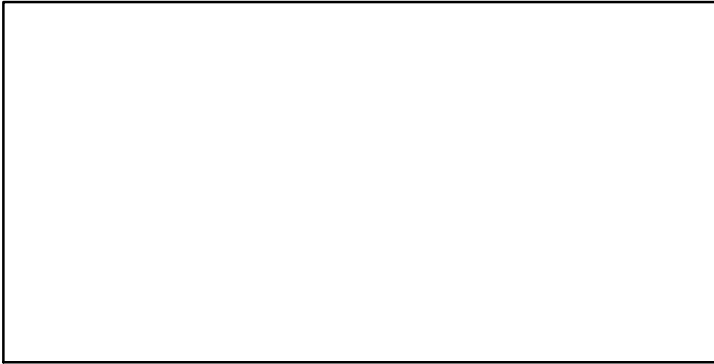
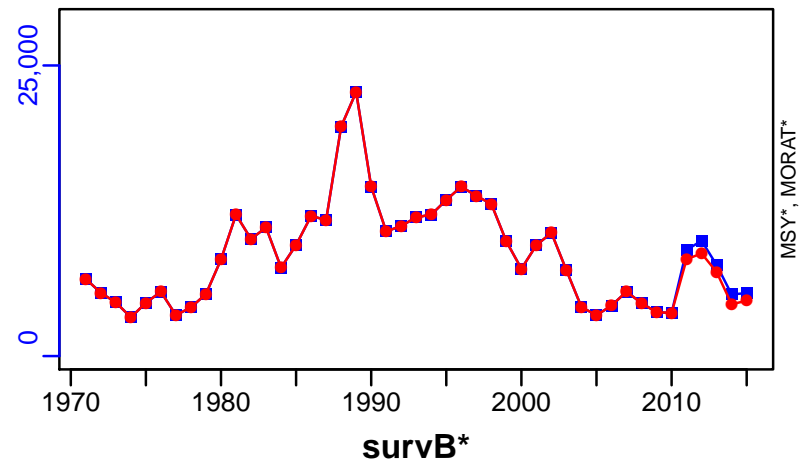
R-E00 (1970–2016–ICESIMP2016)



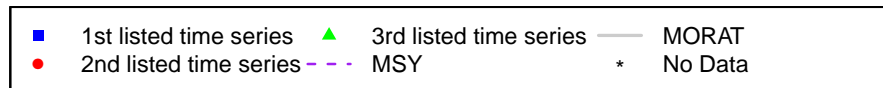
Atlantic Cod Celtic Sea [CODVllek]

TC-MT, TL-MT, RecC* (1970–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



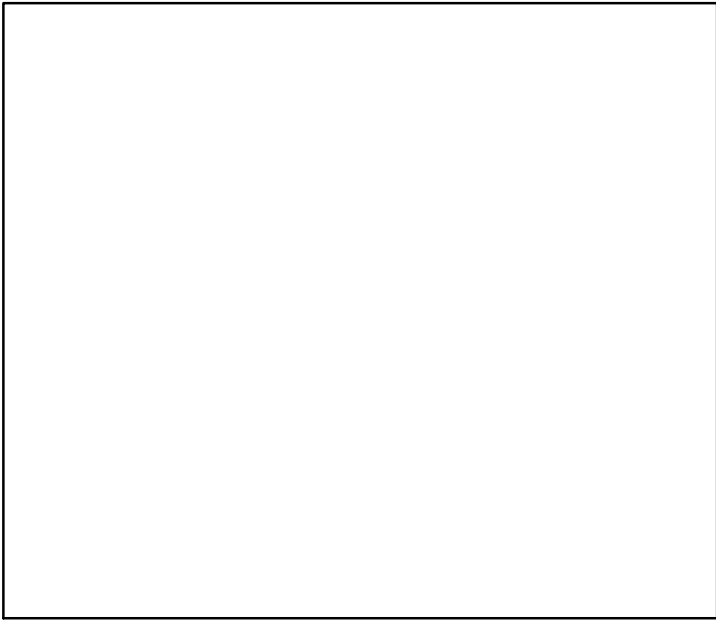
Tusk Va and XIV [CUSKVa-XIV]

Metadata	
Scientific Name	Brosme brosme
Current Assess ID	WGDEEP-CUSKVa-XIV-1981-2016-ICESIMP2016
Area	Va and XIV
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2014, 2015, 2016

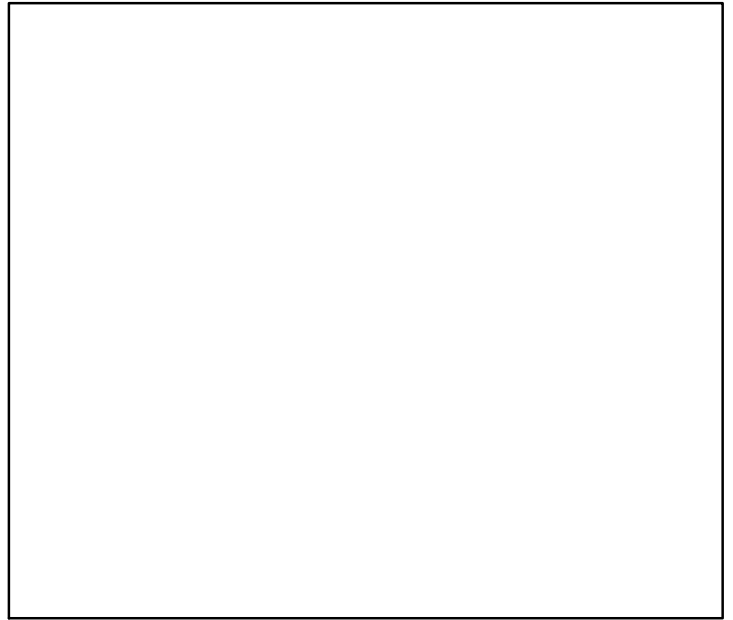
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.2
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2016	0.2
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	22,400	Both	-
SSB	SSB-MT	2016	6920	Both	-
TN	-	-	-	-	-
R	R-E00	2016	10,600,000	-	-
F	F-1/yr	2016	0.22	-	-
ER	ER-calc-ratio	2016	0.215	-	-
TC	TC-MT	2016	4820		
TL	TL-MT	2014	6260		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.1		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.1		
ER/ERmgt	-	-	-		

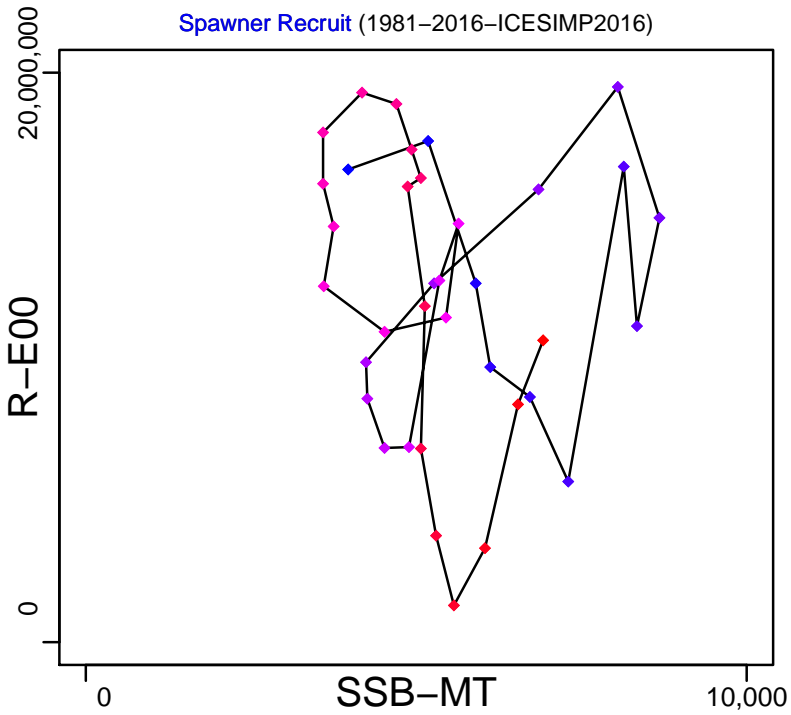
Kobe MSY*



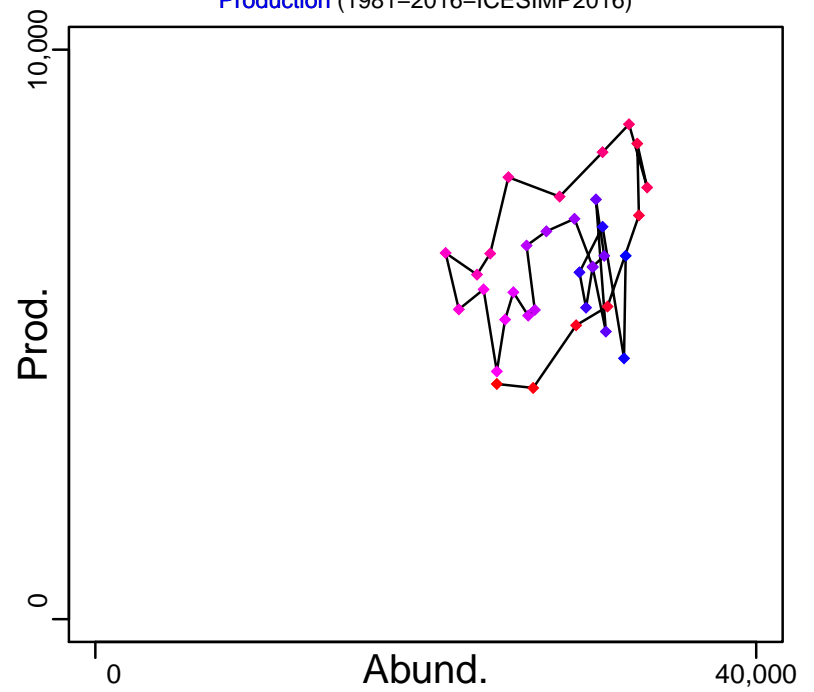
Kobe MGT*



Spawner Recruit (1981–2016–ICESIMP2016)



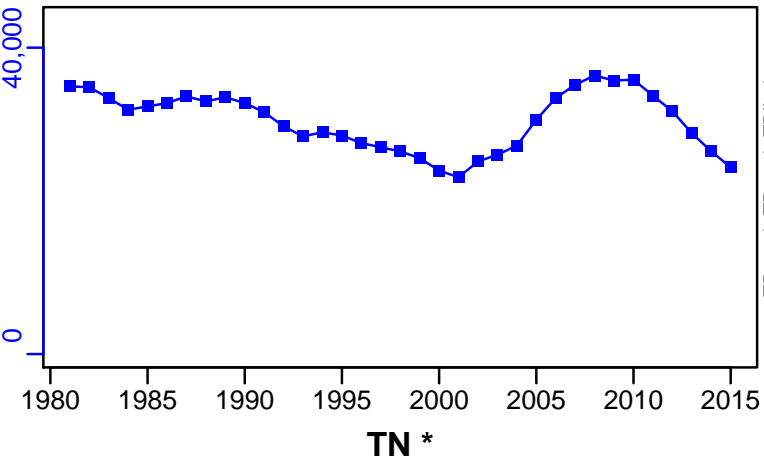
Production (1981–2016–ICESIMP2016)



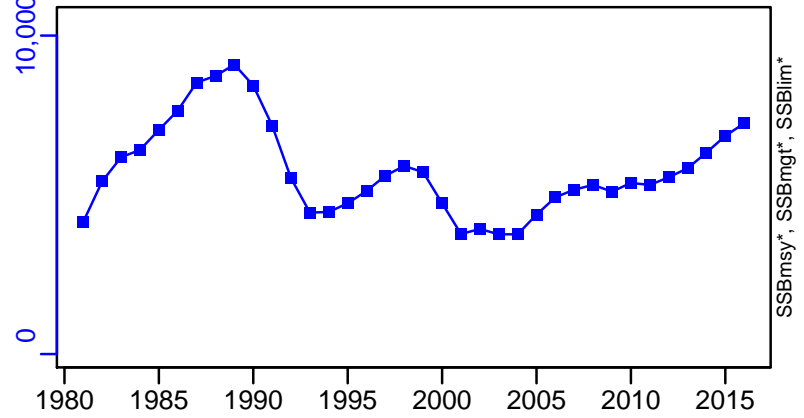
◆ Start Year ◆ End Year * No Data

Tusk Va and XIV [CUSKVa–XIV]

TB–MT (1981–2016–ICESIMP2016)

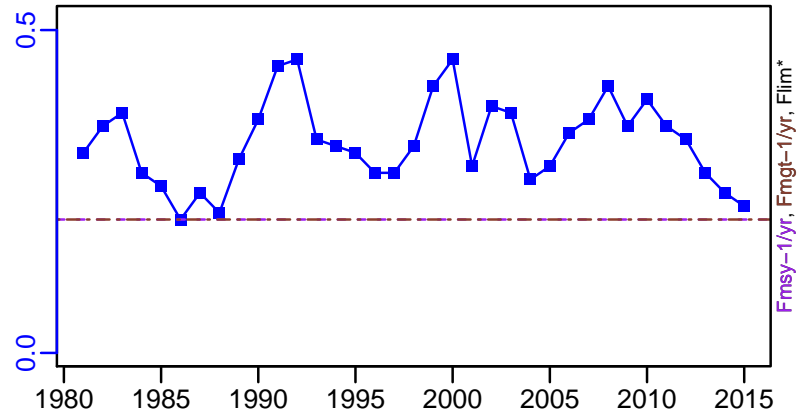
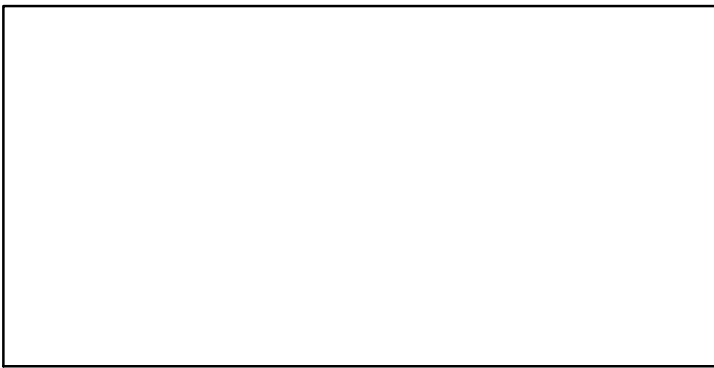


SSB–MT (1981–2016–ICESIMP2016)

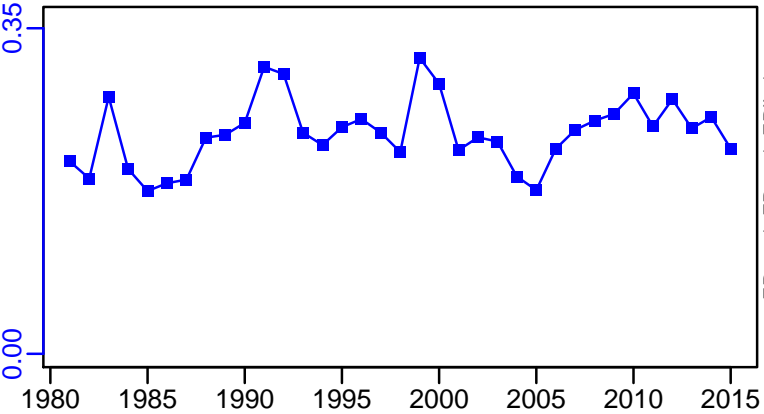


TN *

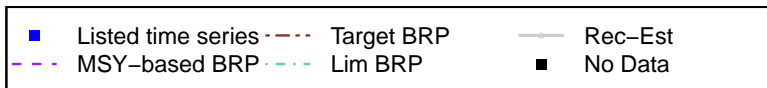
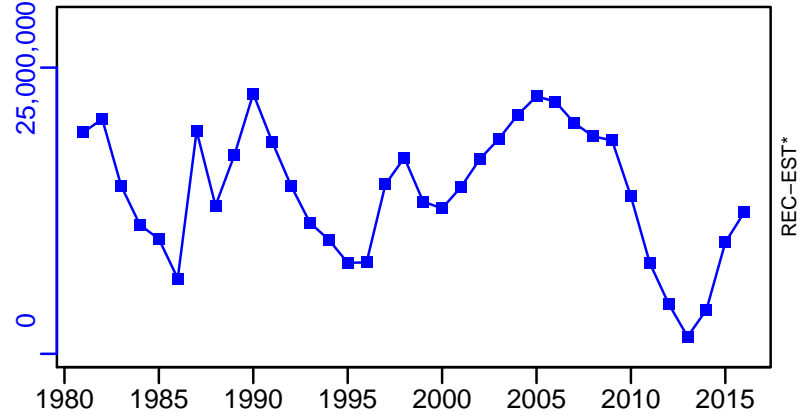
F–1/yr (1981–2016–ICESIMP2016)



ER–calc–ratio (1981–2016–ICESIMP2016)

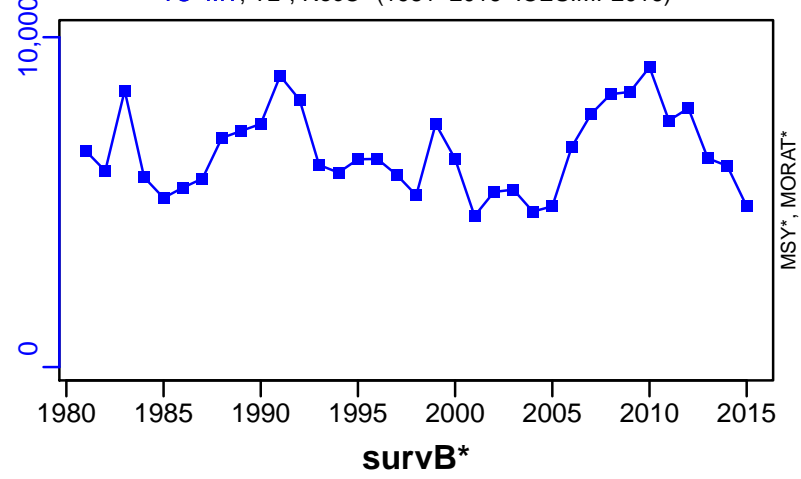


R–E00 (1981–2016–ICESIMP2016)

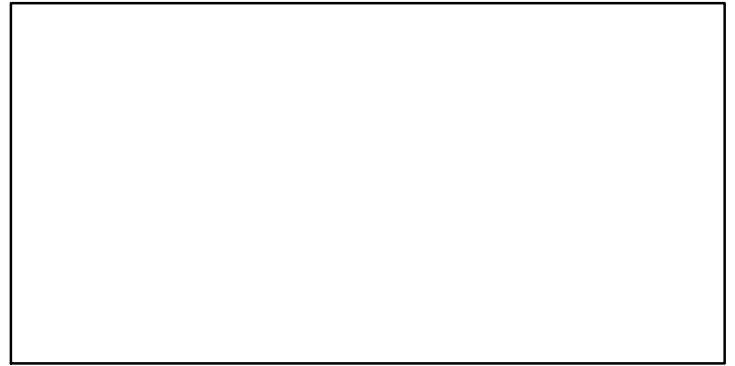


Tusk Va and XIV [CUSKV_a–XIV]

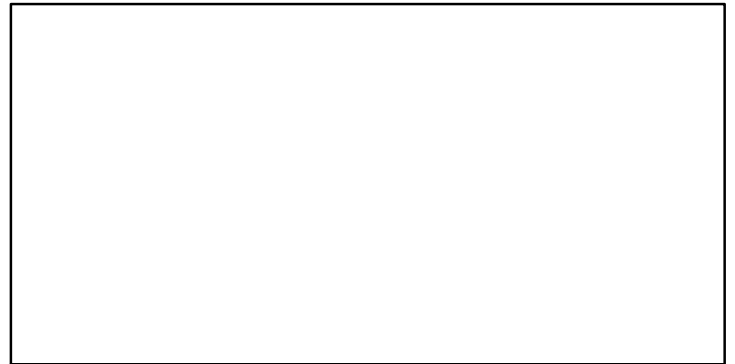
TC–MT, TL*, RecC* (1981–2016–ICESIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

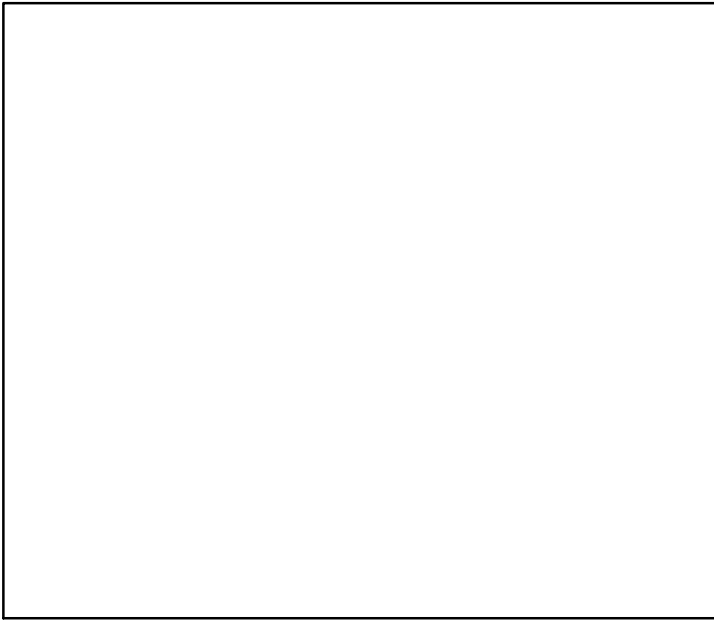
Tusk Rockall Bank [CUSKVlb]

Metadata	
Scientific Name	Brosme brosme
Current Assess ID	WGDEEP-CUSKVlb-1988-2016-ICESIMP2016
Area	Rockall Bank
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2016

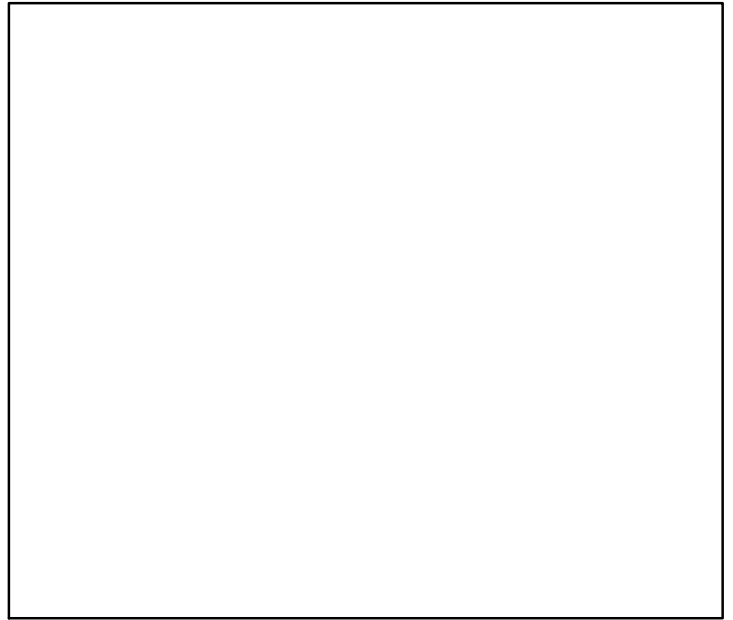
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	226		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

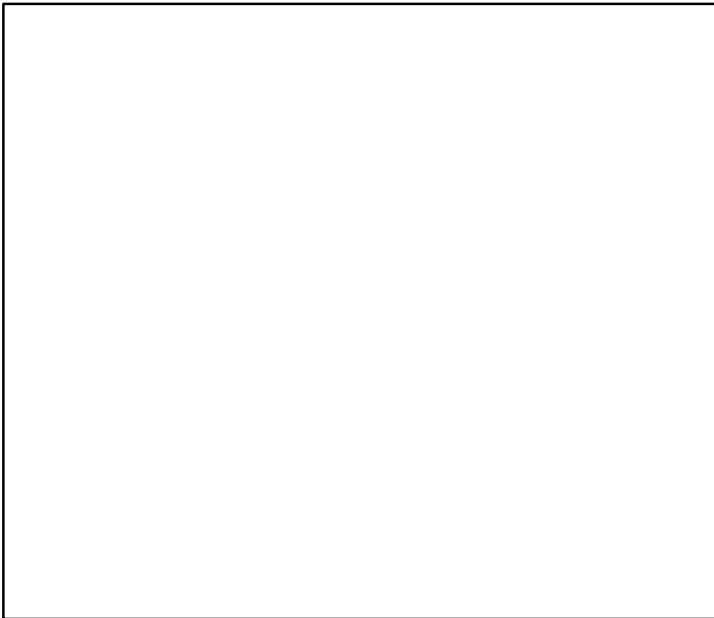
Kobe MSY*



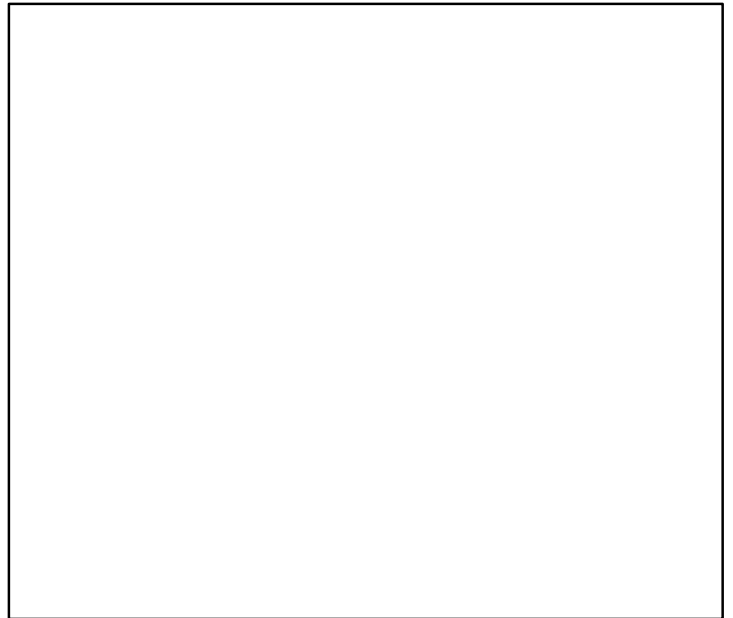
Kobe MGT*



Spawner Recruit*



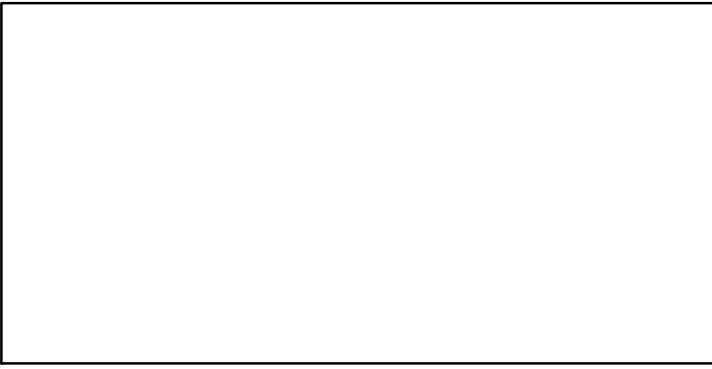
Production*



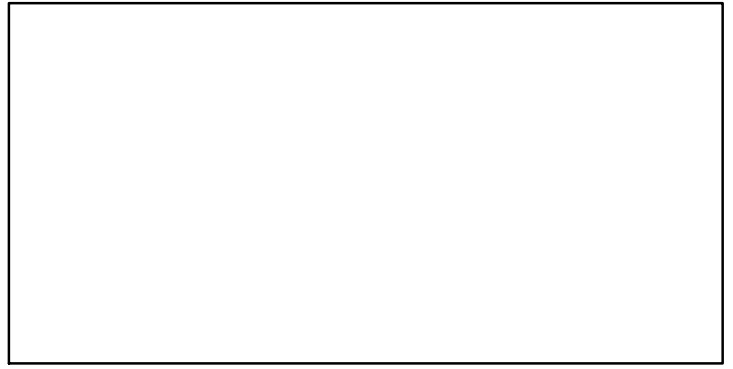
◆ Start Year ◆ End Year * No Data

Tusk Rockall Bank [CUSKVlb]

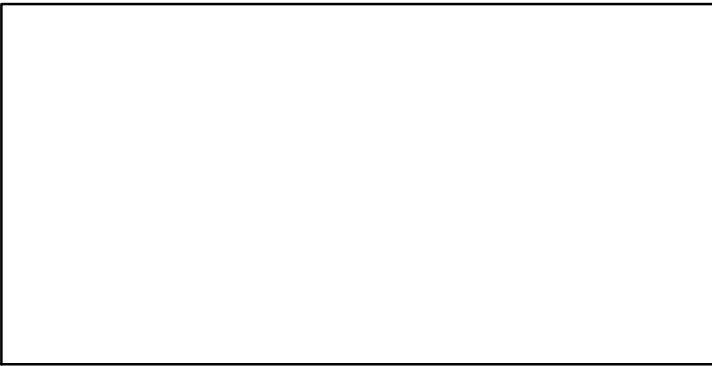
TB*



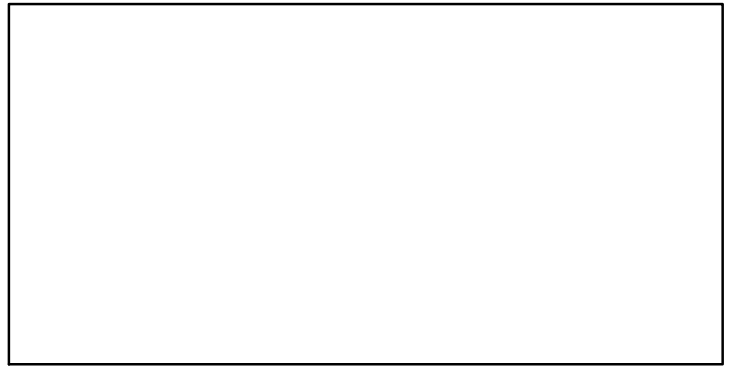
SSB*



TN *



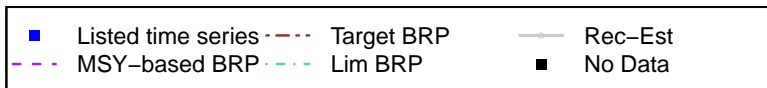
F*



ER*

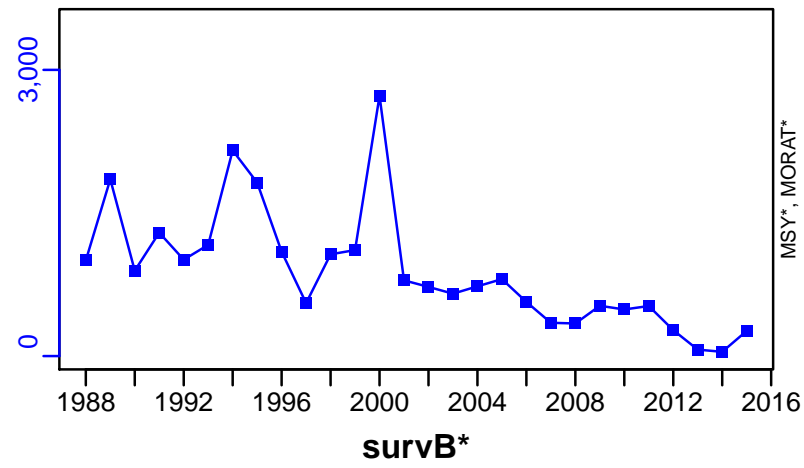


Recruits*

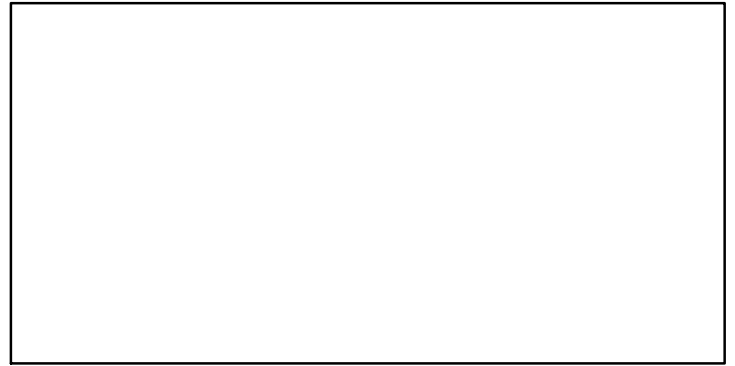


Tusk Rockall Bank [CUSKVlb]

TL-MT, TC*, RecC* (1988-2016-ICESIMP2016)



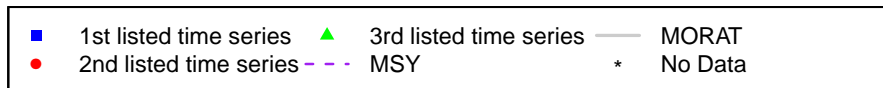
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



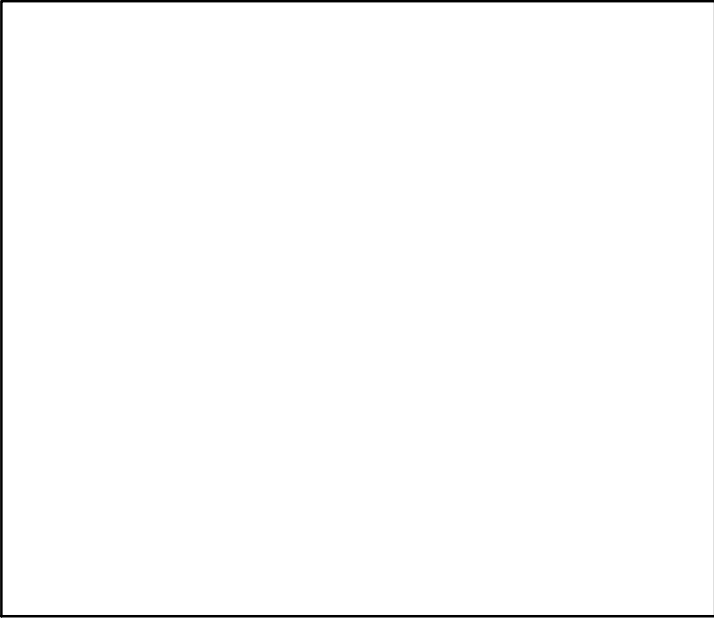
Tusk North of Azores [CUSKXII]

Metadata	
Scientific Name	Brosme brosme
Current Assess ID	WGDEEP-CUSKXII-1988-2015-ICESIMP2016
Area	North of Azores
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2015

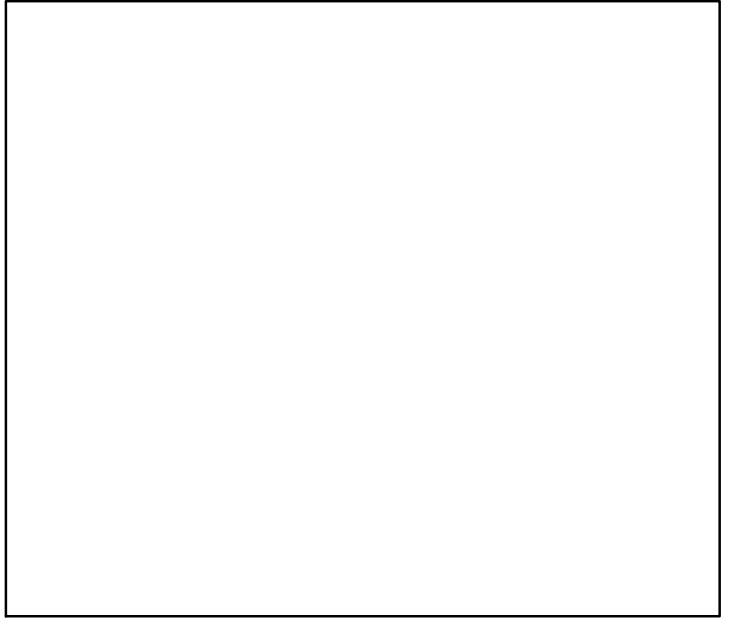
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	0		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

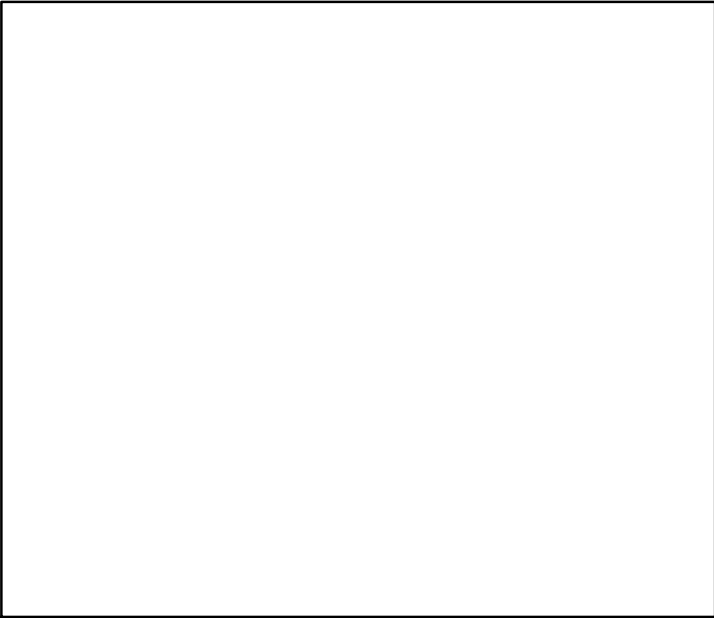
Kobe MSY*



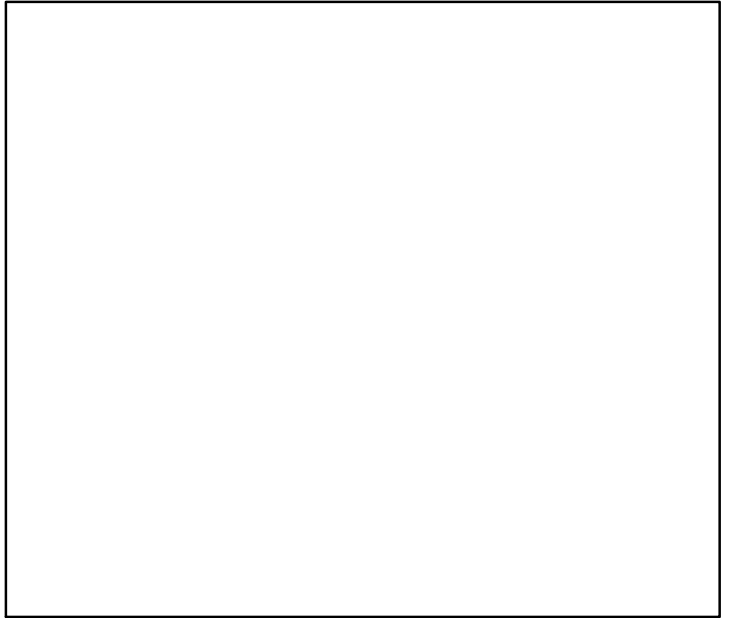
Kobe MGT*



Spawner Recruit*



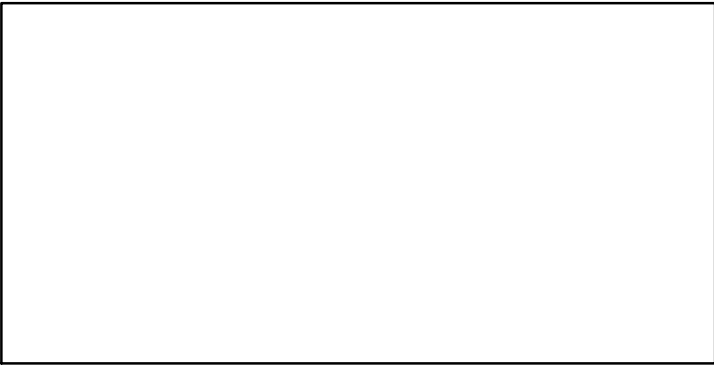
Production*



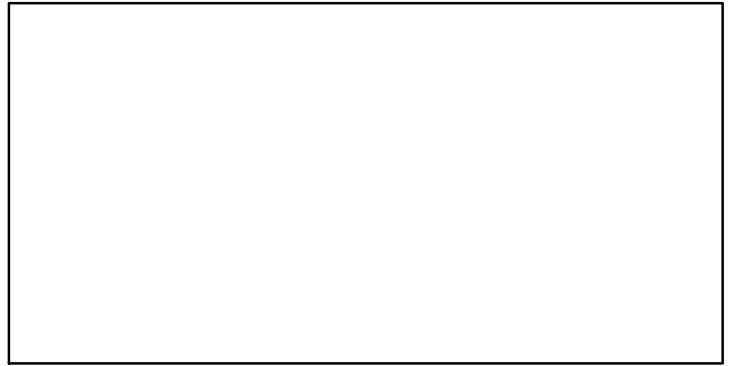
◆ Start Year ◆ End Year * No Data

Tusk North of Azores [CUSKXII]

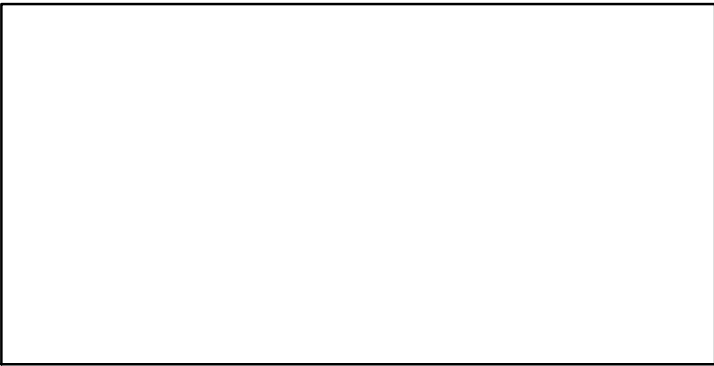
TB*



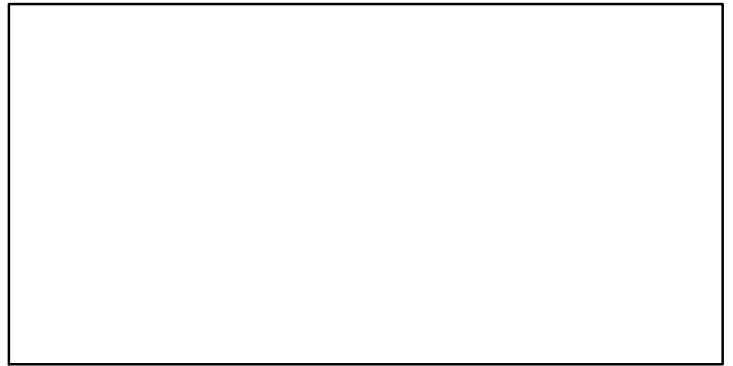
SSB*



TN *



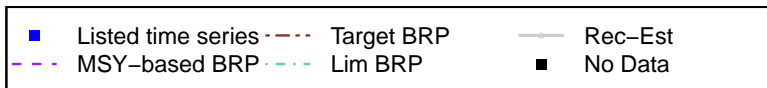
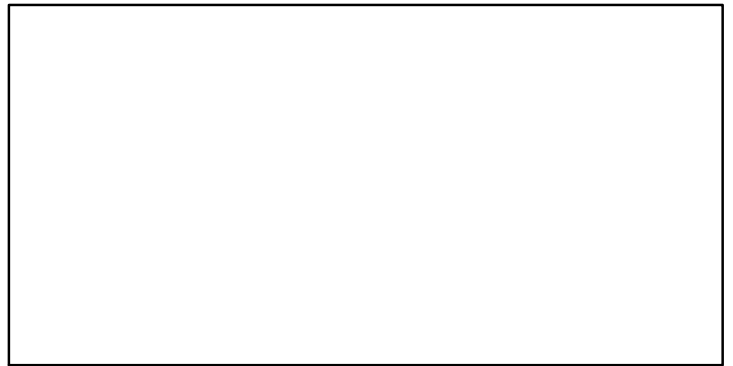
F*



ER*

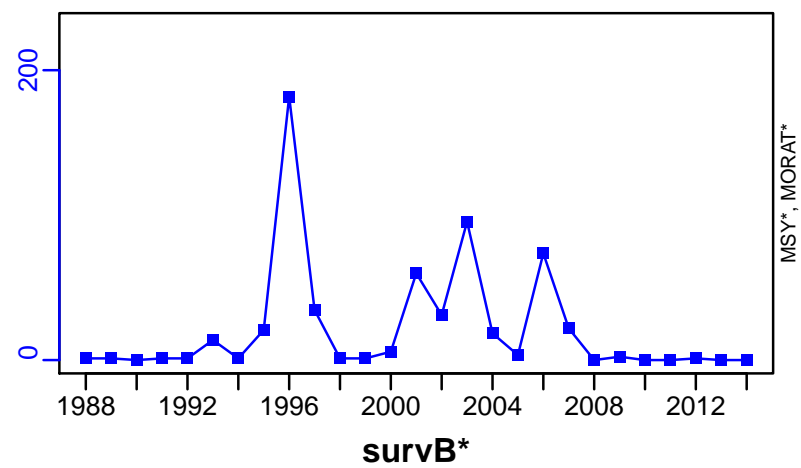


Recruits*

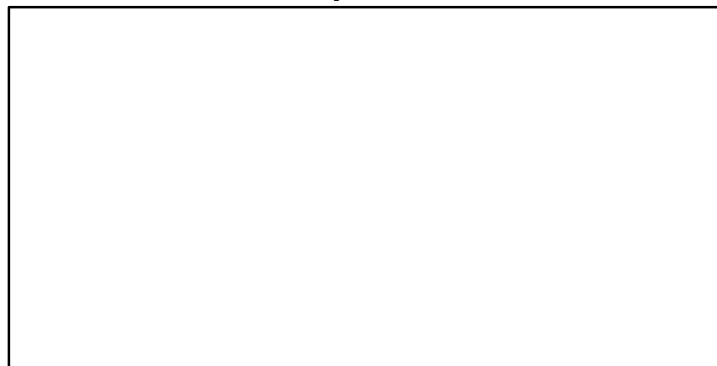


Tusk North of Azores [CUSKXII]

TL-MT, TC*, RecC* (1988–2015–ICESIMP2016)



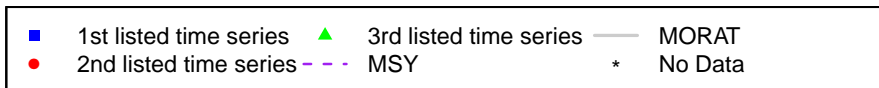
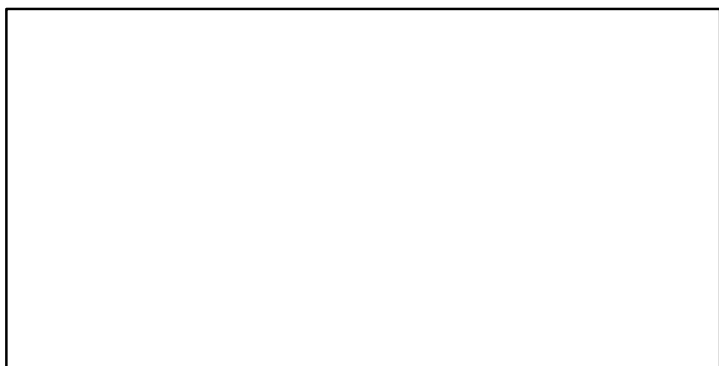
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



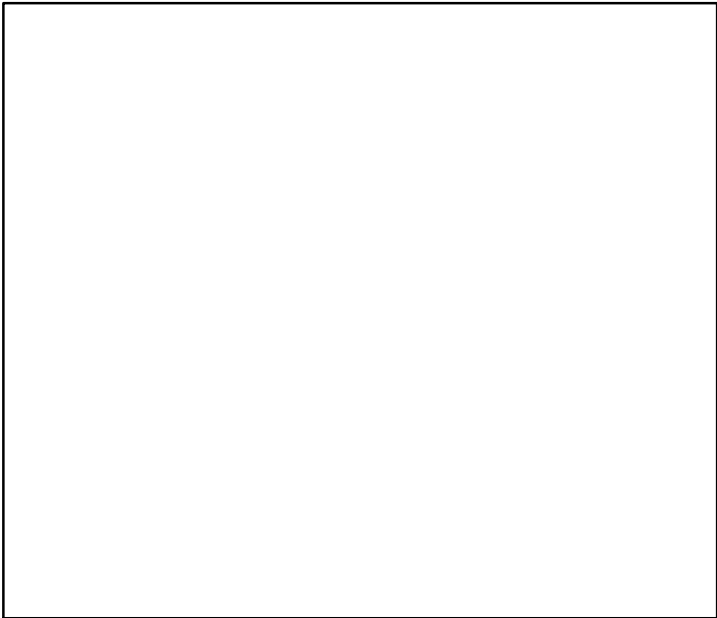
Dab VII-VIIIabd [DAB2232]

Metadata	
Scientific Name	Limanda limanda
Current Assess ID	WGBFAS-DAB2232-1970-2016-ICESIMP2016
Area	Baltic Areas 22-32
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2016

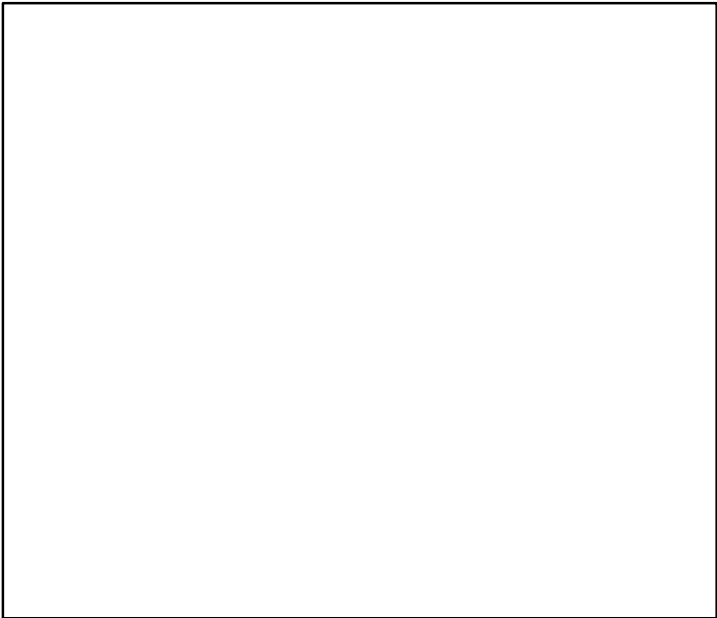
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	1270		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

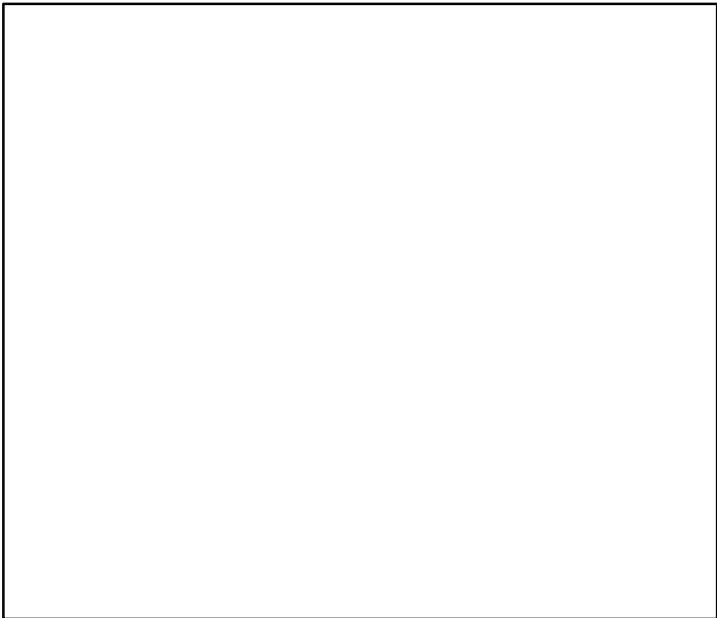
Kobe MSY*



Kobe MGT*



Spawner Recruit*

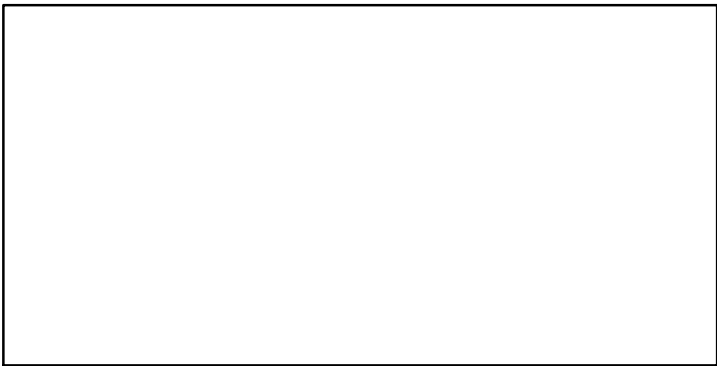


Production*

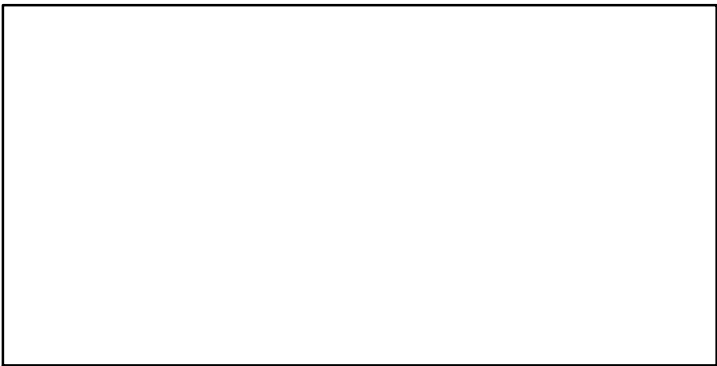


◆ Start Year ◆ End Year * No Data

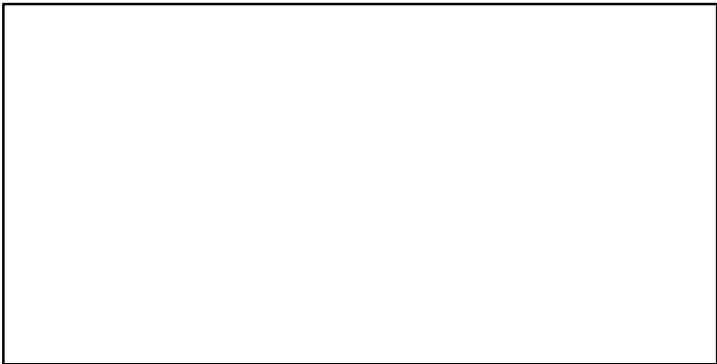
TB*



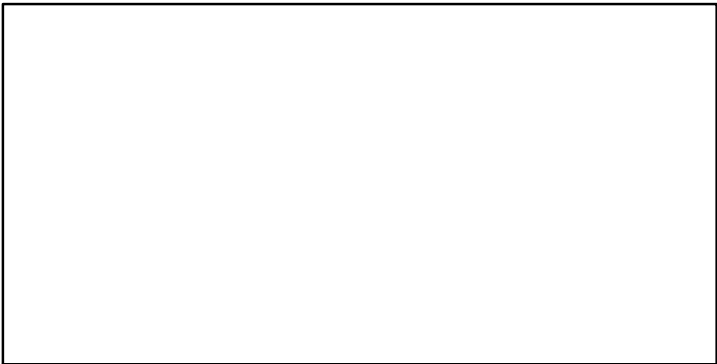
SSB*



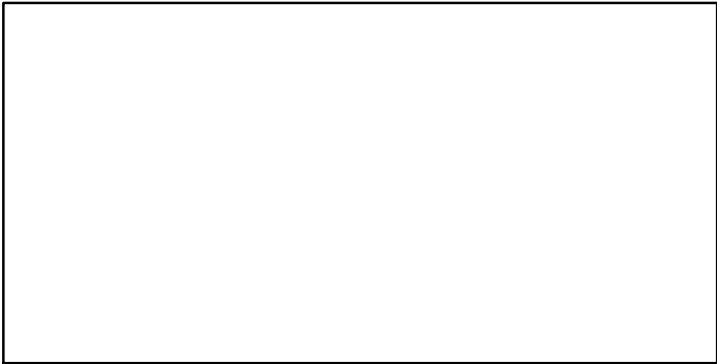
TN *



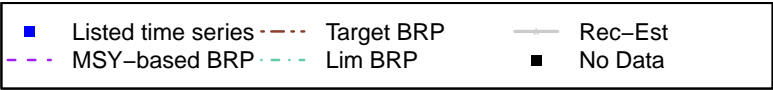
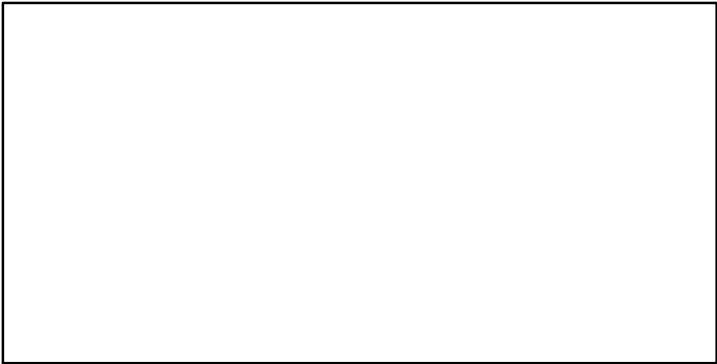
F*



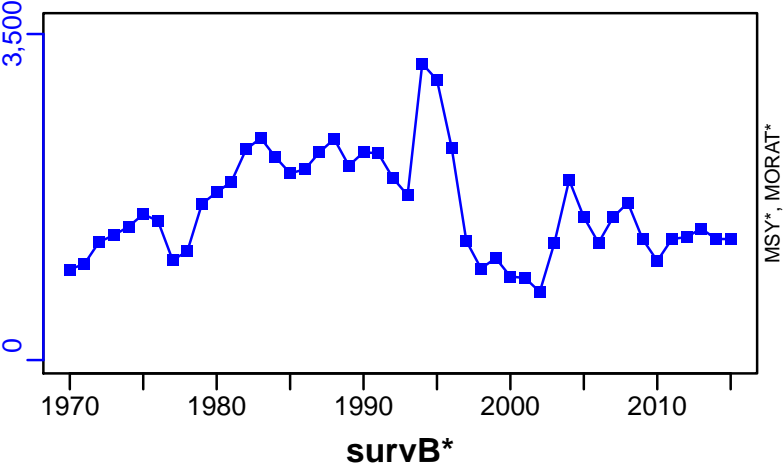
ER*



Recruits*



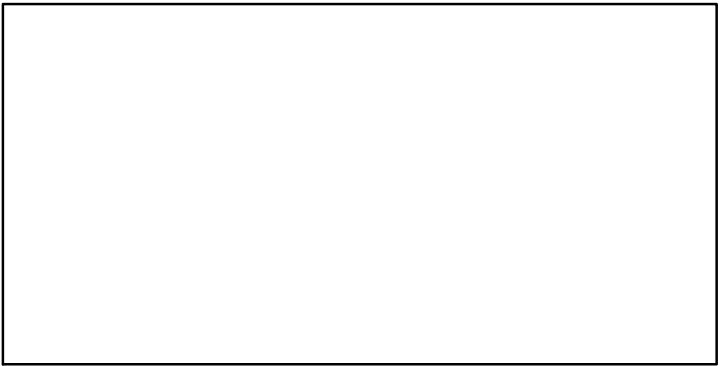
TL–MT, TC*, RecC* (1970–2016–ICESIMP2016)



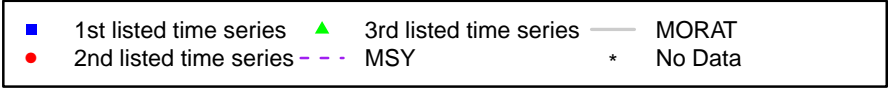
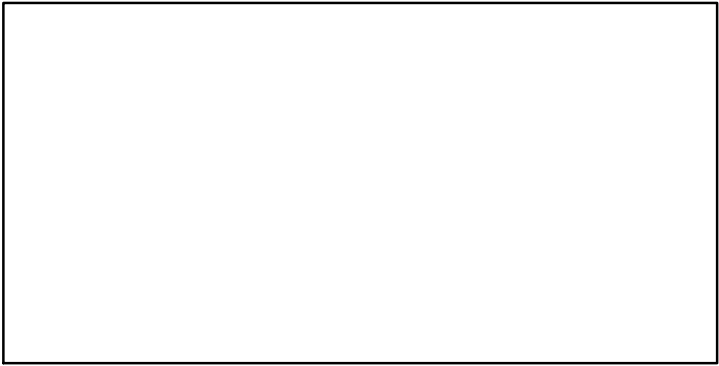
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



European seabass IVbc and VII [EBASSIVbc-VII]

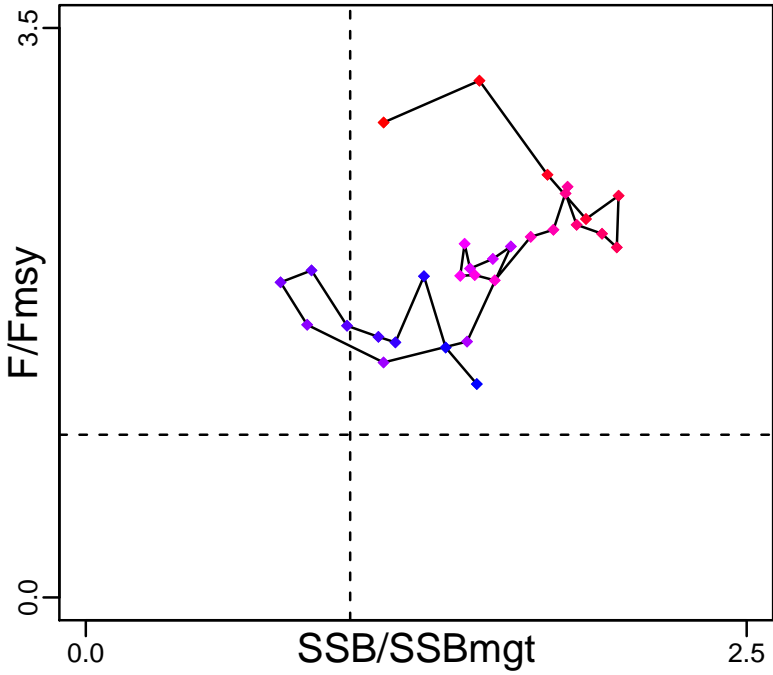
Metadata	
Scientific Name	Dicentrarchus labrax
Current Assess ID	WGCSE-EBASSIVbc-VII-1985-2016-ICESIMP2016
Area	IVbc and VII
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2015	0.13
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	12,673
Fmgt	Fmgt-1/yr	2015	0.13
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	8075
Flim	-	-	-
ERlim	-	-	-

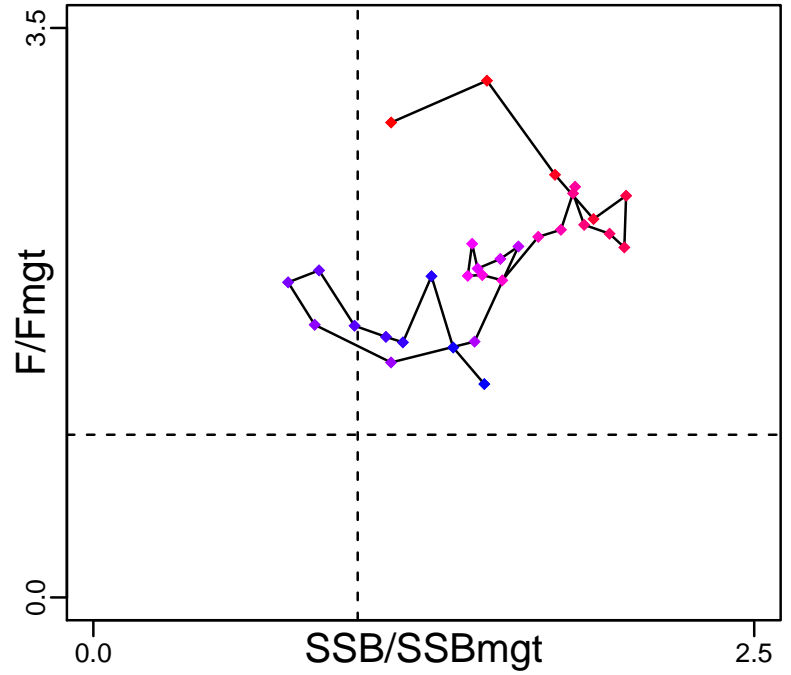
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	9290	Both	-
SSB	SSB-MT	2016	7320	Both	-
TN	-	-	-	-	-
R	R-E00	2016	6,470,000	-	0
F	F-1/yr	2016	0.303	-	5 to 11
ER	ER-calc-ratio	2015	0.235	-	-
TC	-	-	-		
TL	TL-MT	2016	2840		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	2.919		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.578		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	2.919		
ER/ERmgt	-	-	-		

European seabass IVbc and VII [EBASSIVbc-VII]

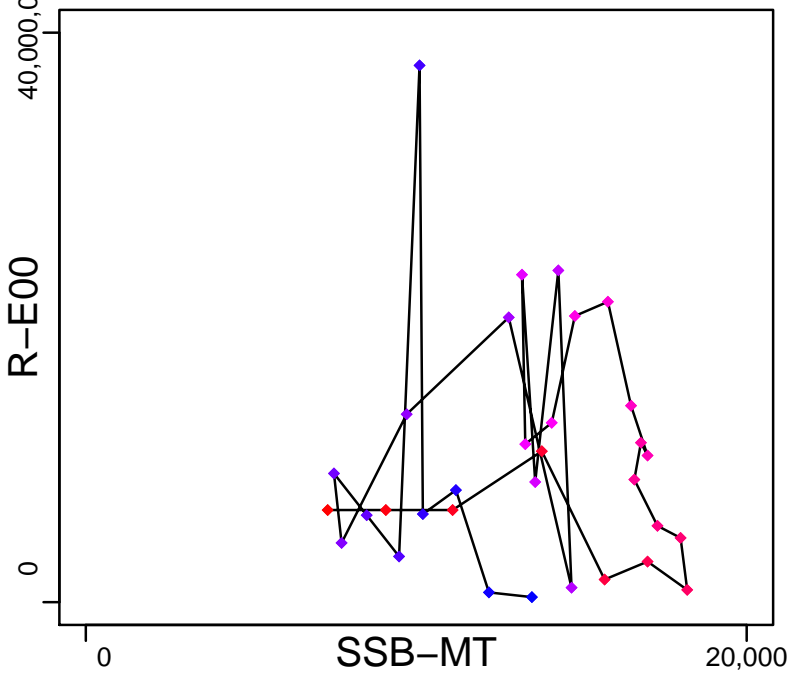
Kobe MSYpref (1985–2015–ICESIMP2016)



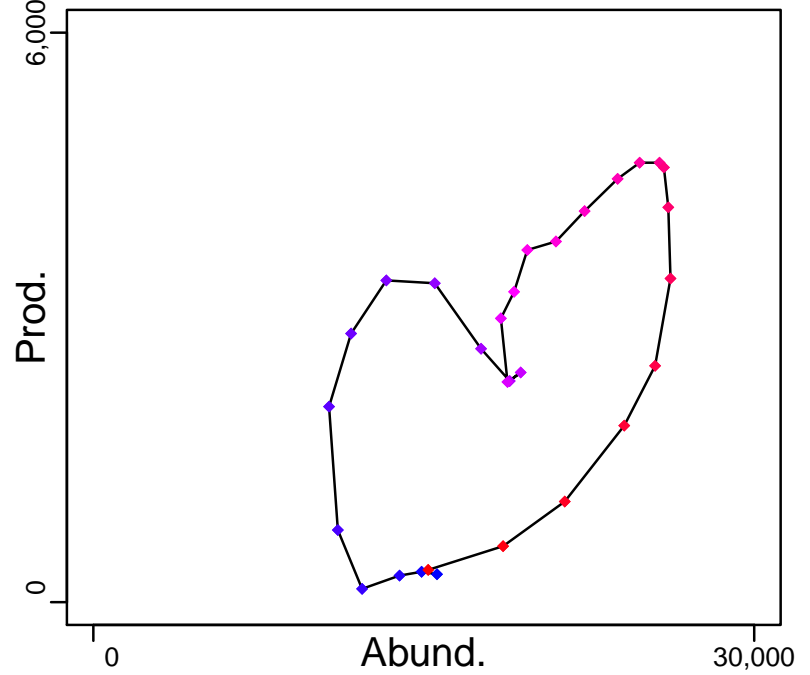
Kobe MGTpref (1985–2015–ICESIMP2016)



Spawner Recruit (1985–2016–ICESIMP2016)



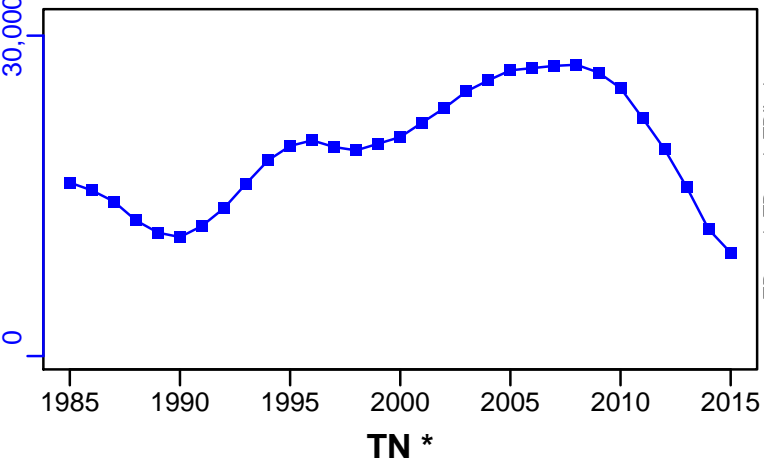
Production (1985–2015–ICESIMP2016)



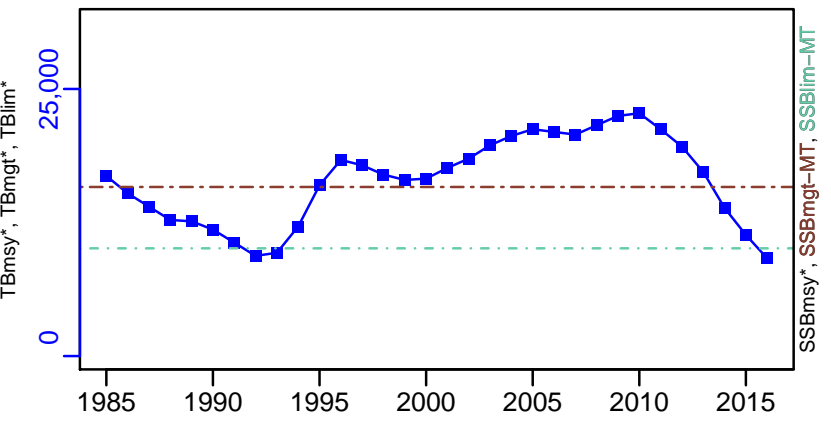
◆ Start Year ◆ End Year * No Data

European seabass IVbc and VII [EBASSIVbc-VII]

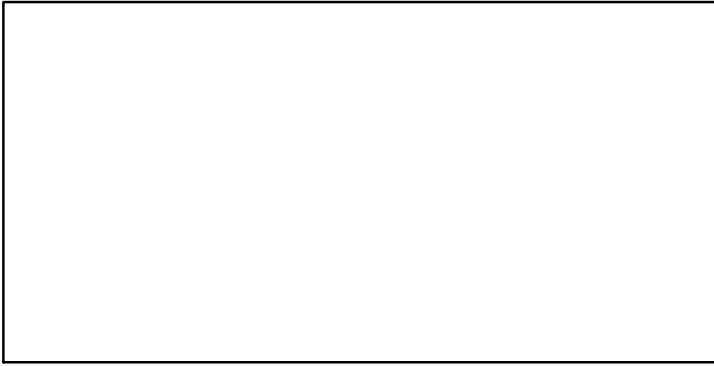
TB-MT (1985–2015–ICESIMP2016)



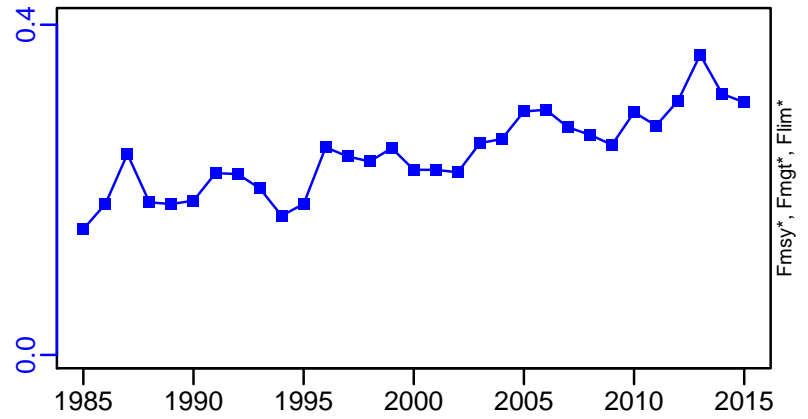
SSB-MT (1985–2016–ICESIMP2016)



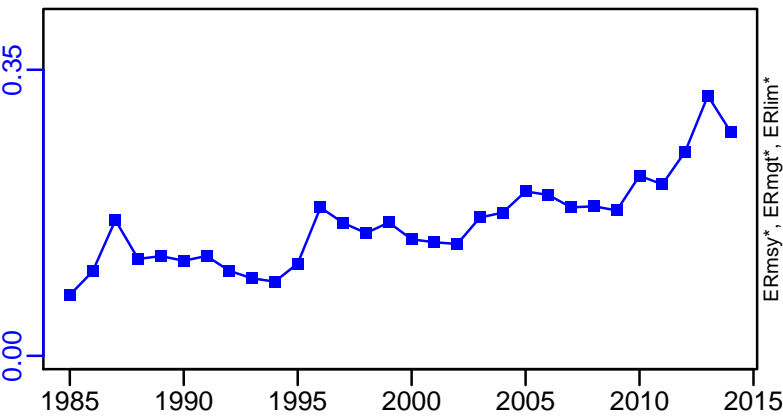
TN *



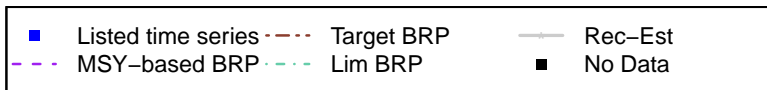
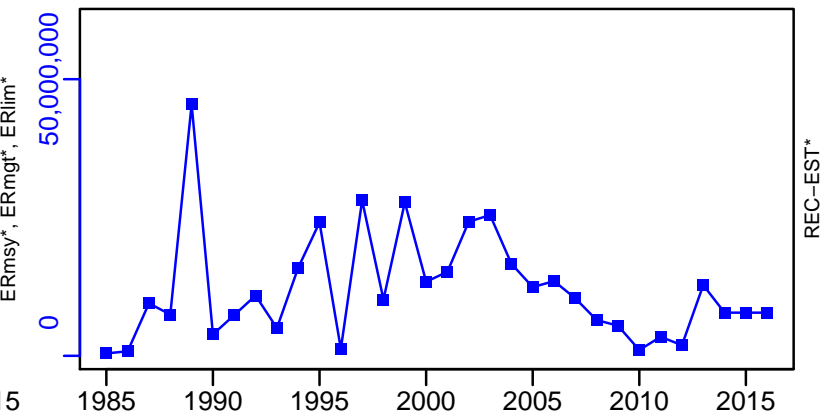
F-1/yr (1985–2016–ICESIMP2016)



ER-calc-ratio (1985–2015–ICESIMP2016)



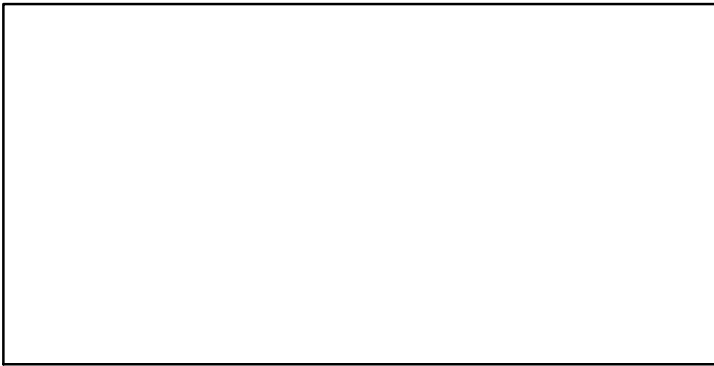
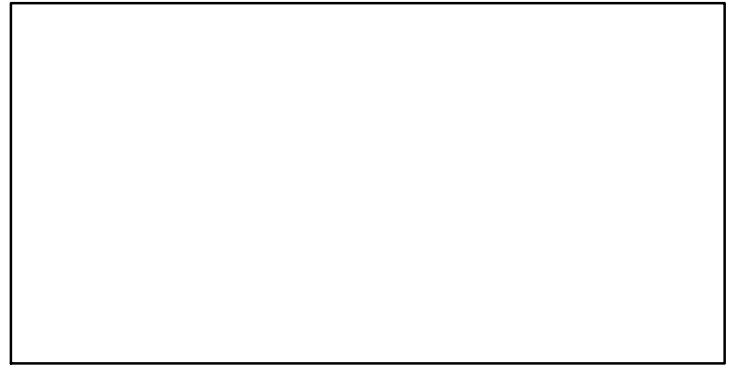
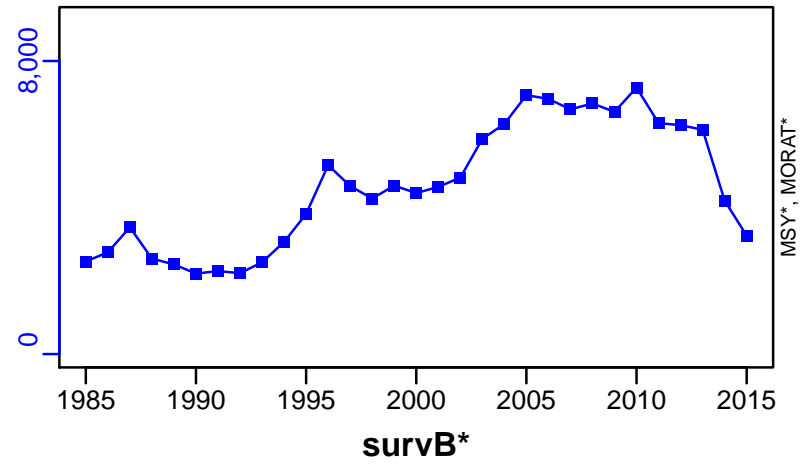
R-E00 (1985–2016–ICESIMP2016)



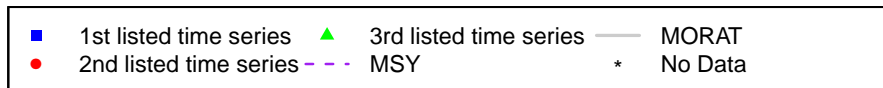
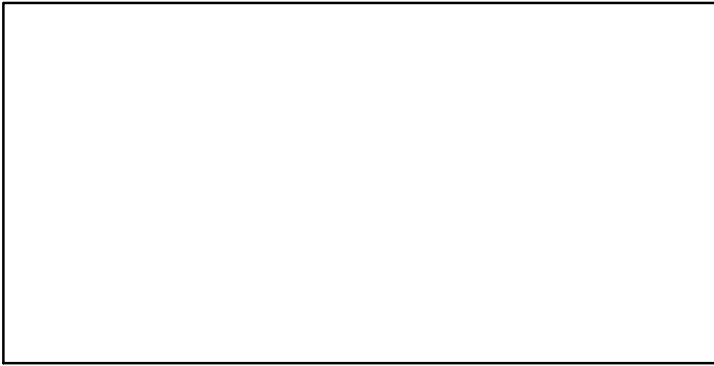
European seabass IVbc and VII [EBASSIVbc-VII]

TL-MT, TC*, RecC* (1985-2016-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



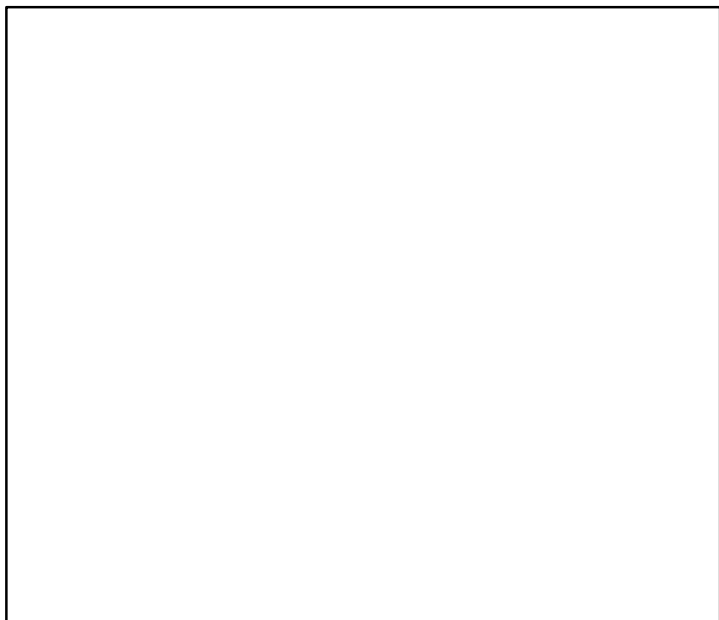
European seabass VIa and VIIb-j [EBASSVIa-VIIb-j]

Metadata	
Scientific Name	Dicentrarchus labrax
Current Assess ID	WGCSE-EBASSVIa-VIIb-j-1995-2015-ICESIMP2016
Area	VIa and VIIb-j
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015

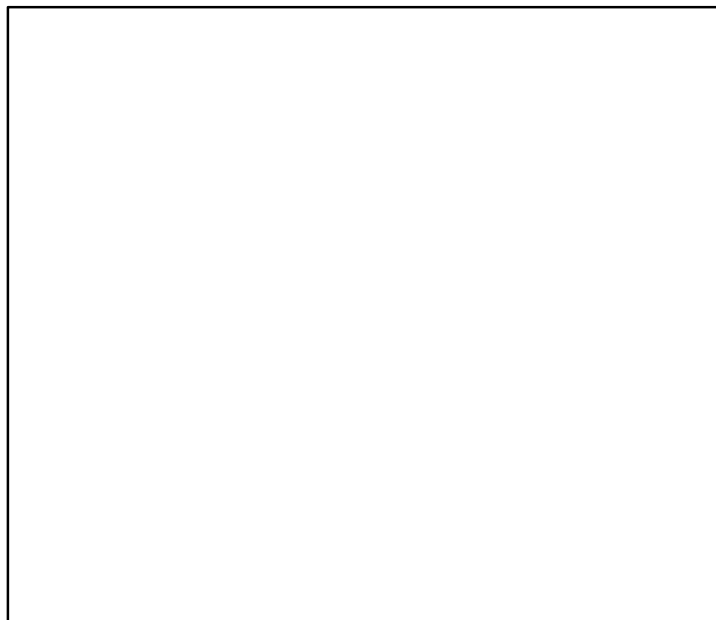
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2015	2		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



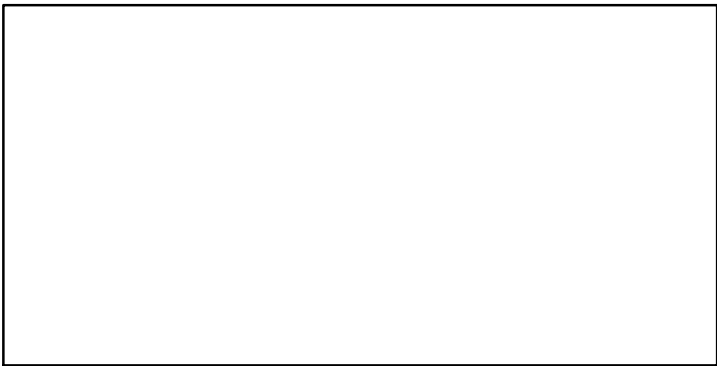
Production*



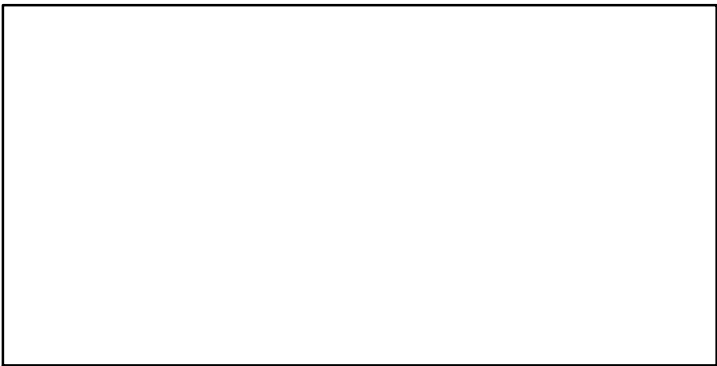
◆ Start Year ◆ End Year * No Data

European seabass VIa and VIIb-j [EBASSVIa-VIIb-j]

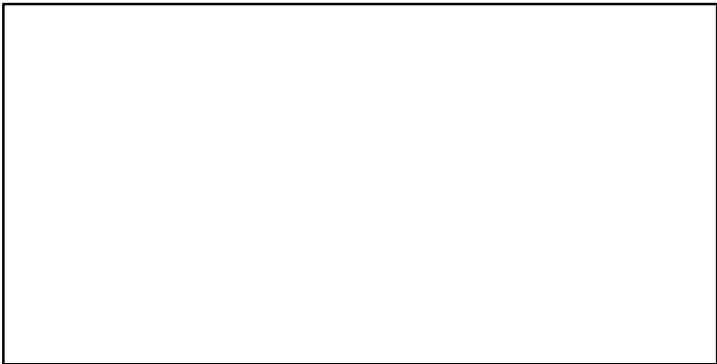
TB*



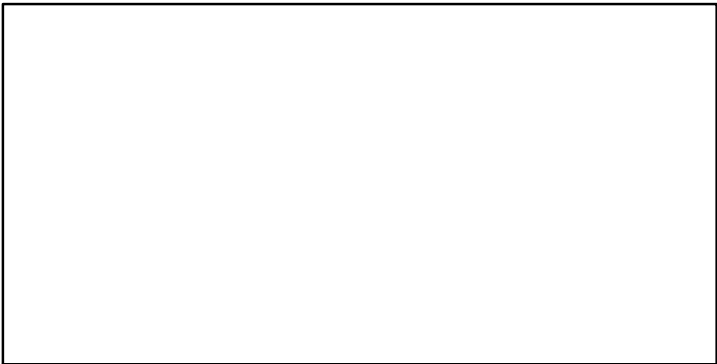
SSB*



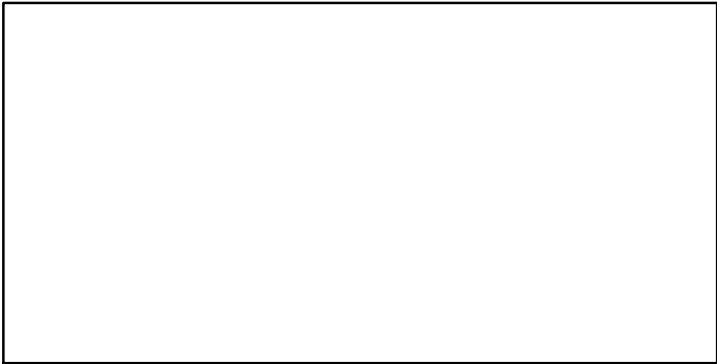
TN *



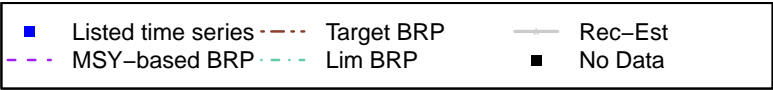
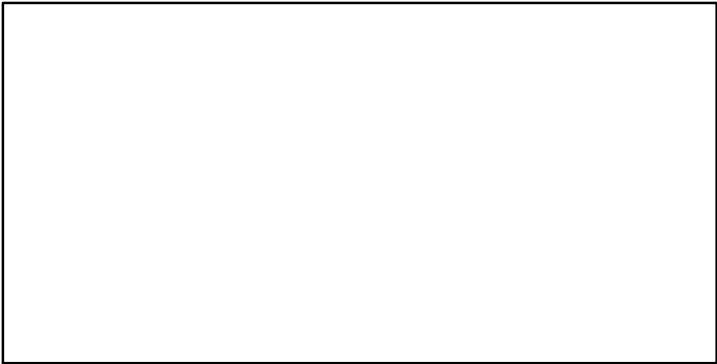
F*



ER*



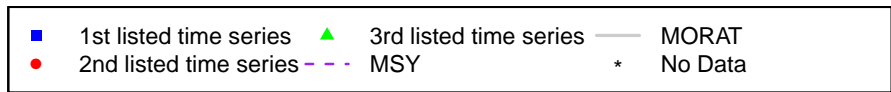
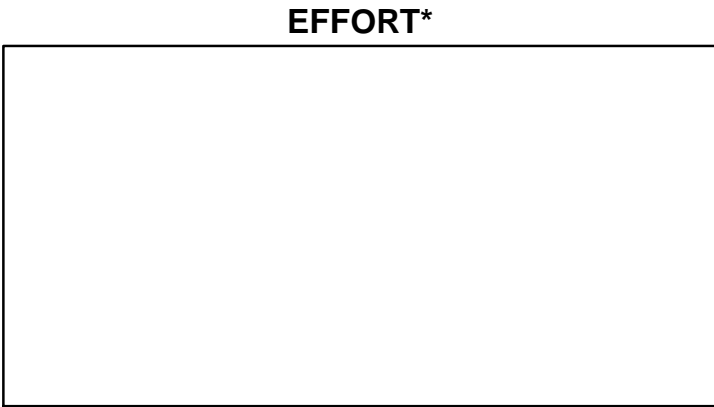
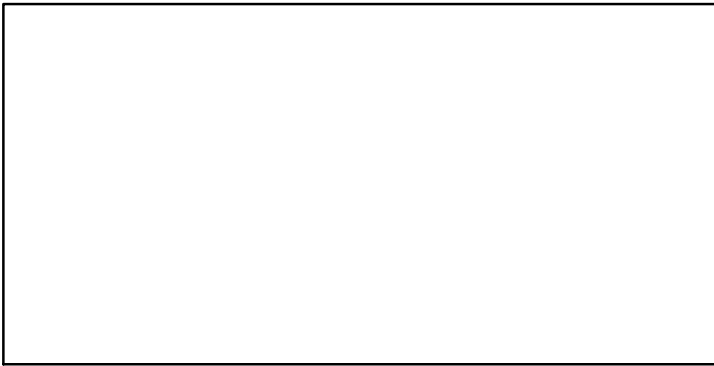
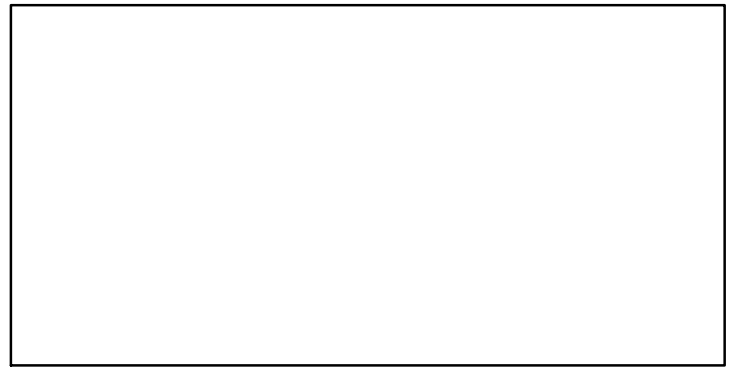
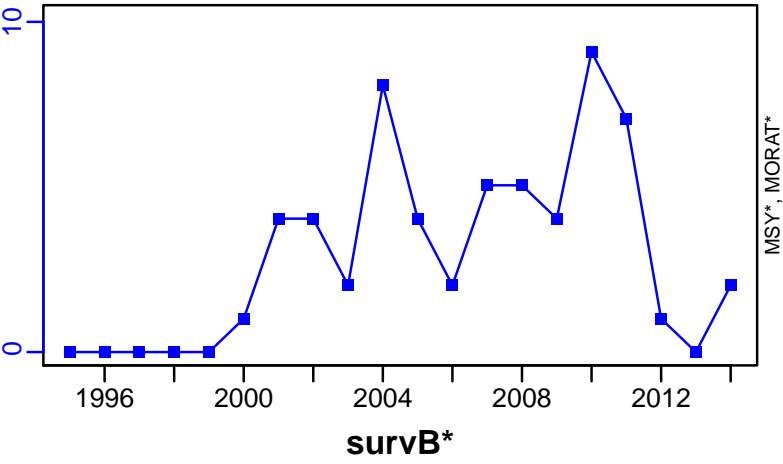
Recruits*



European seabass Vla and VIIb-j [EBASSVla-VIIb-j]

TC-MT, TL*, RecC* (1995-2015-ICESIMP2016)

TAC*, Cpair*, Cadv*



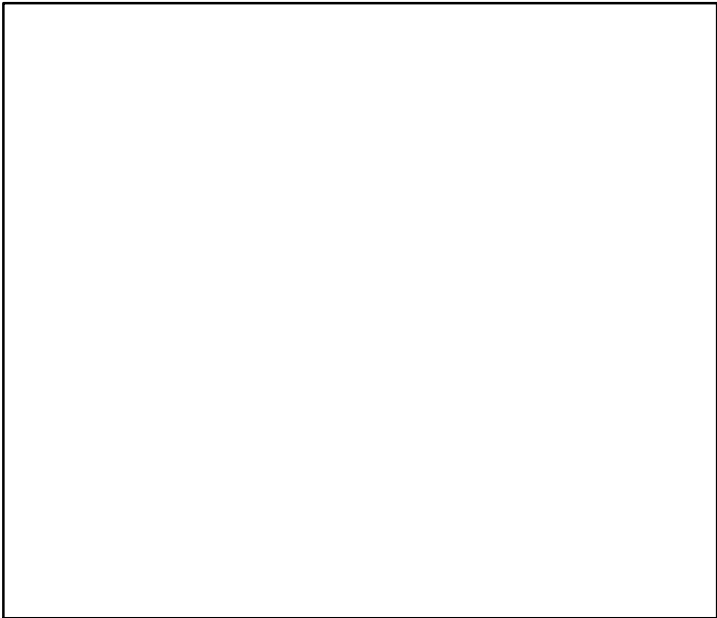
European seabass VIIIc and IXa [EBASSVIIIc-IXa]

Metadata	
Scientific Name	Dicentrarchus labrax
Current Assess ID	WGBIE-EBASSVIIIc-IXa-1978-2015-ICESIMP2016
Area	VIIIc-IXa
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2015

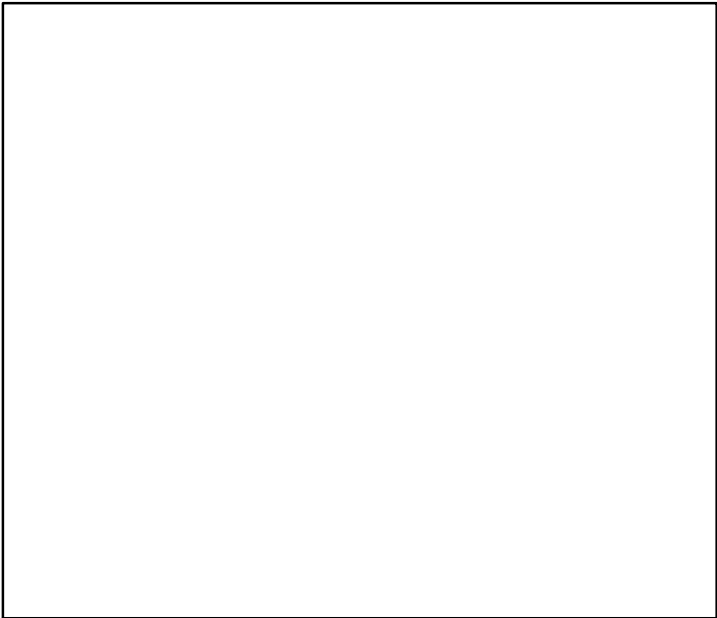
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2015	917		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

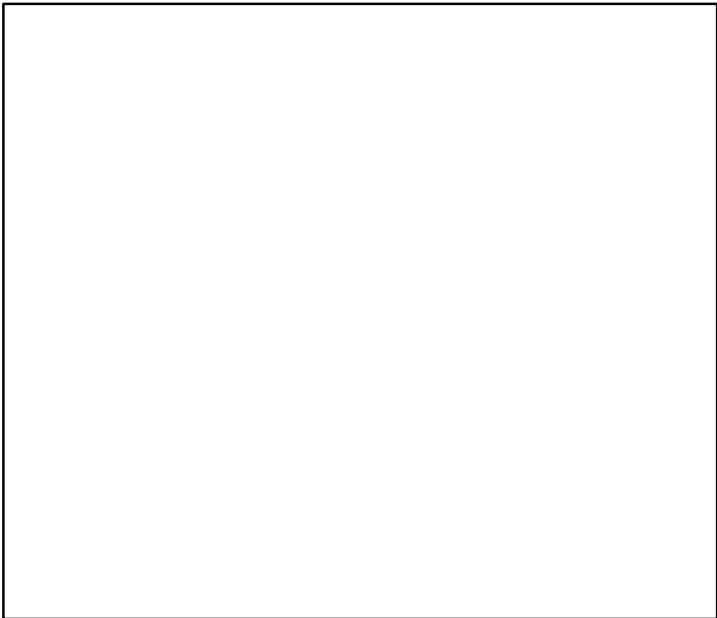
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

European seabass VIIIc and IXa [EBASSVIIIc-IXa]

TB*



SSB*



TN *



F*



ER*



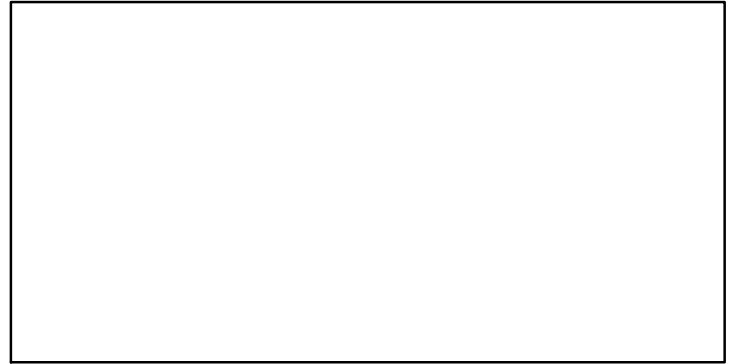
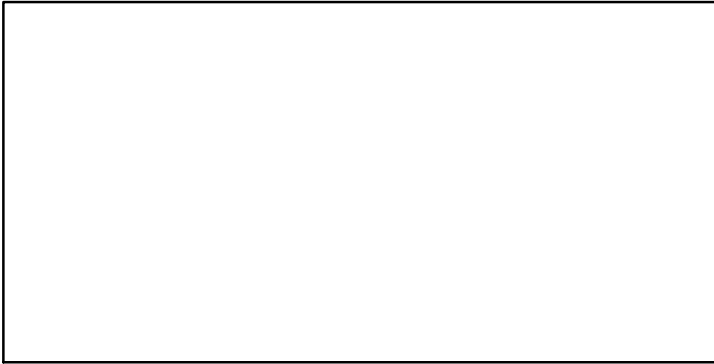
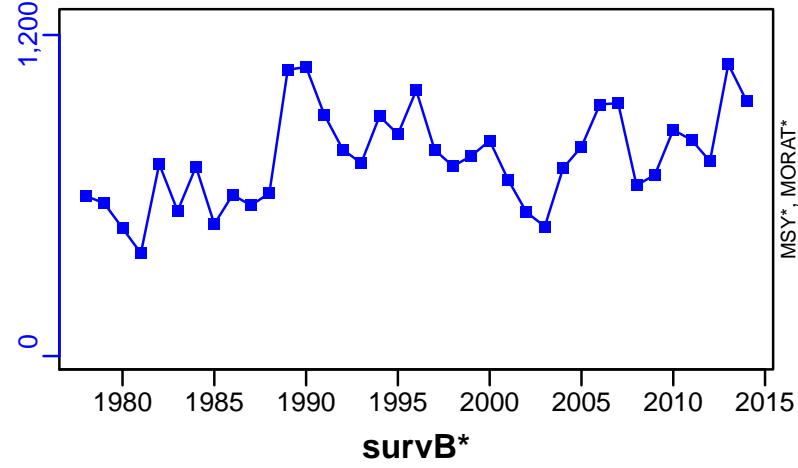
Recruits*



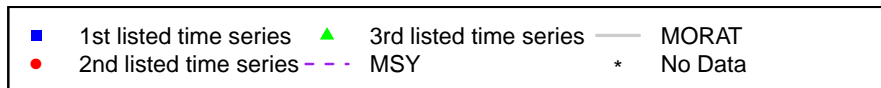
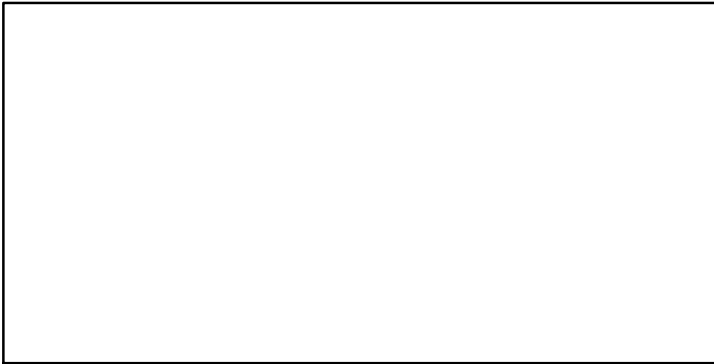
European seabass VIIIc and IXa [EBASSVIIIc-IXa]

TC-MT, TL*, RecC* (1978-2015-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



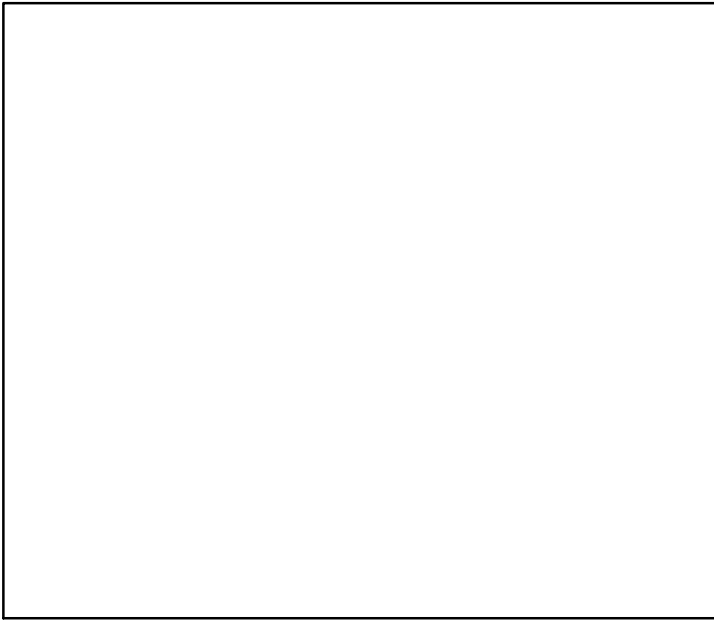
European flounder Subdivisions 22-23 [EFLOUN2223]

Metadata	
Scientific Name	Platichthys flesus
Current Assess ID	WGBFAS-EFLOUN2223-1973-2016-ICESIMP2016
Area	Subdivisions 22-23
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2016

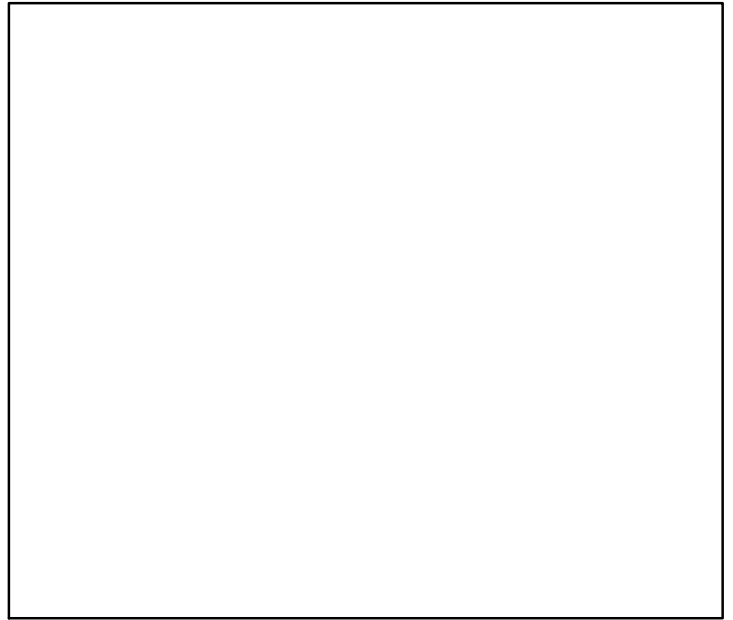
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	1130		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

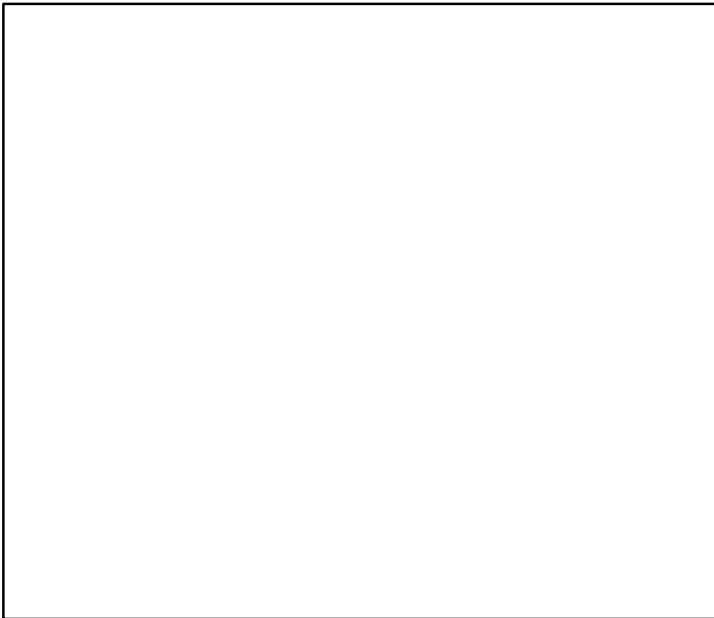
Kobe MSY*



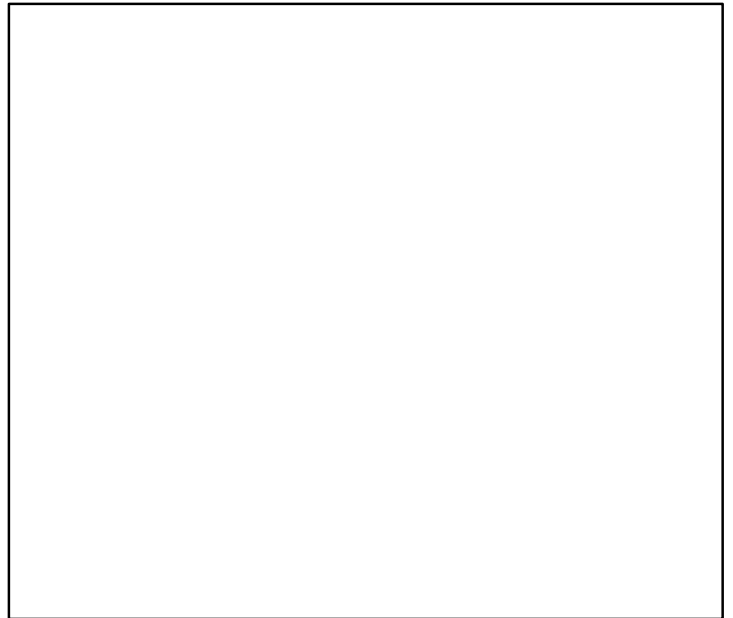
Kobe MGT*



Spawner Recruit*



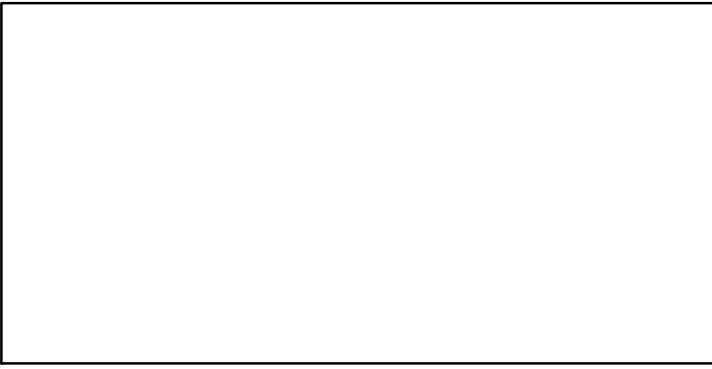
Production*



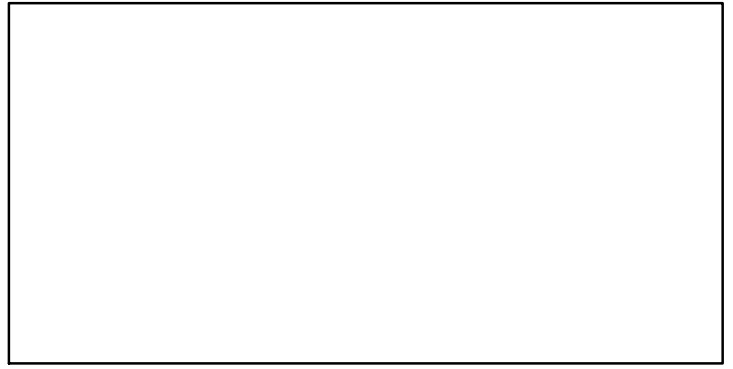
◆ Start Year ◆ End Year * No Data

European flounder Subdivisions 22–23 [EFLOUN2223]

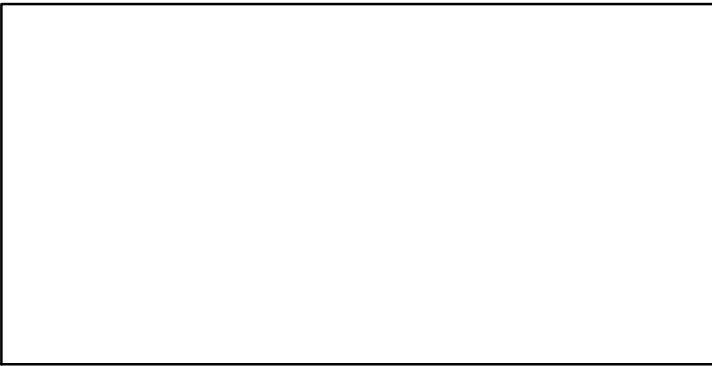
TB*



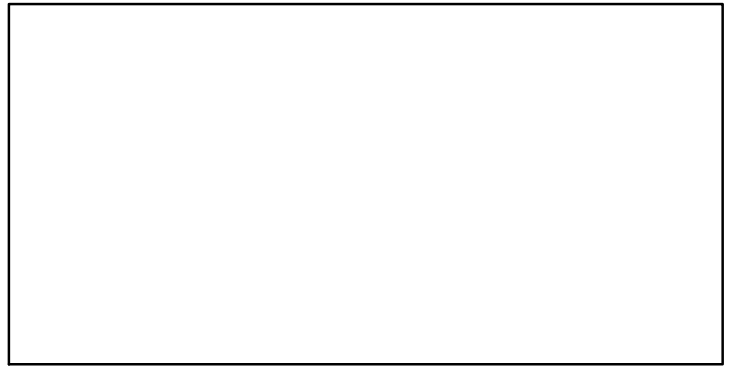
SSB*



TN *



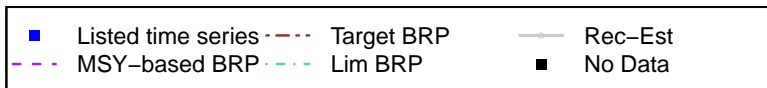
F*



ER*



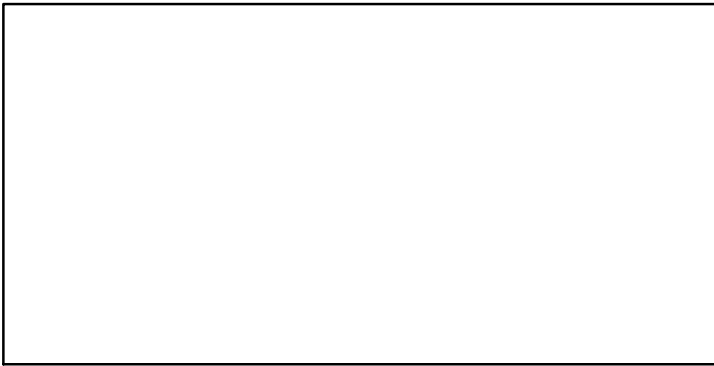
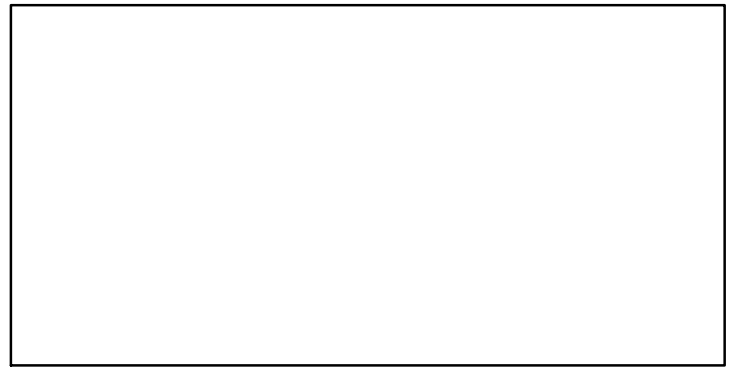
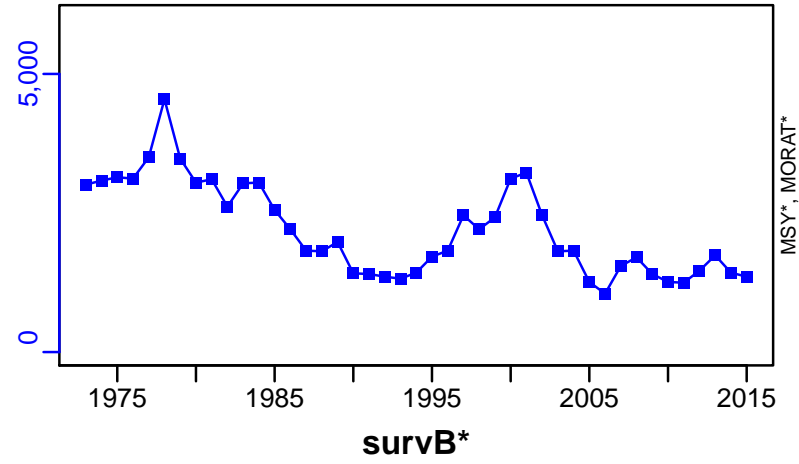
Recruits*



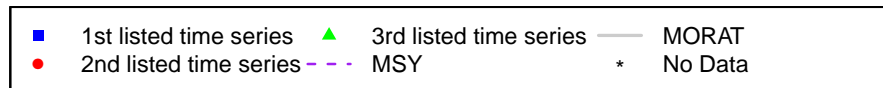
European flounder Subdivisions 22–23 [EFLOUN2223]

TL–MT, TC*, RecC* (1973–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



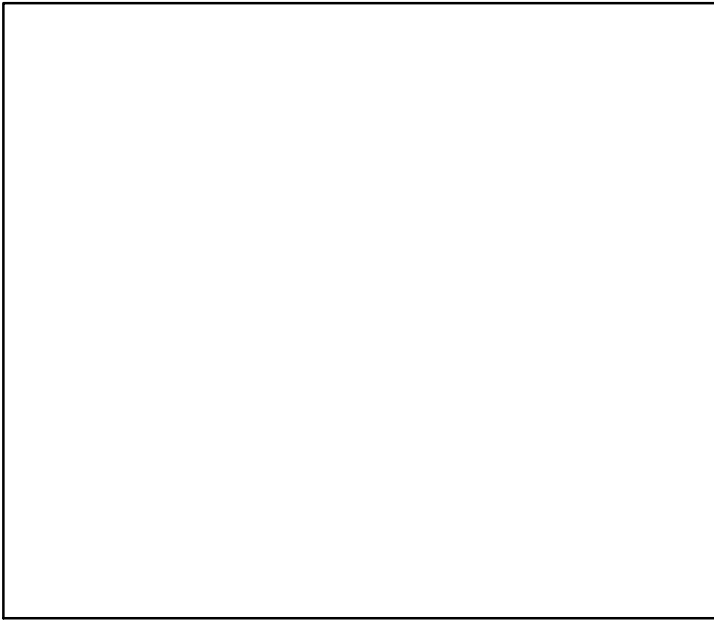
European flounder Subdivisions 24-25 [EFLOUN2425]

Metadata	
Scientific Name	Platichthys flesus
Current Assess ID	WGBFAS-EFLOUN2425-1973-2016-ICESIMP2016
Area	Subdivisions 24-25
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2016

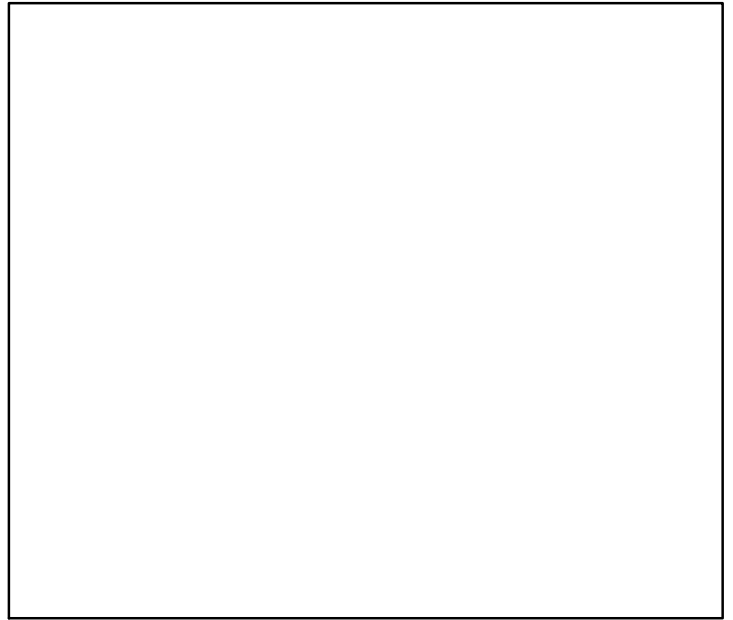
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	11,100		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

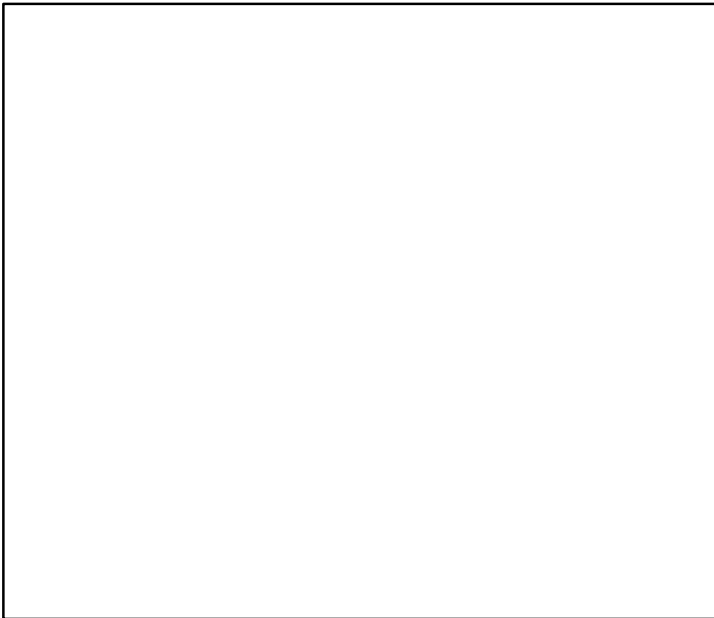
Kobe MSY*



Kobe MGT*



Spawner Recruit*



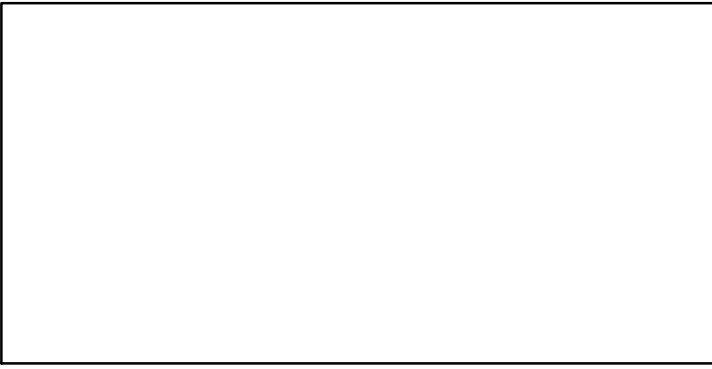
Production*



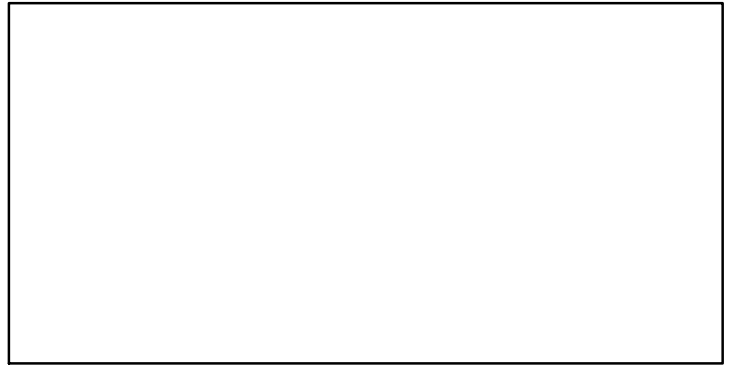
◆ Start Year ◆ End Year * No Data

European flounder Subdivisions 24–25 [EFLOUN2425]

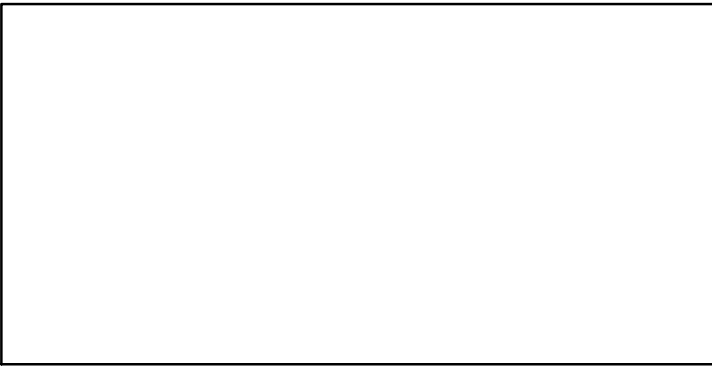
TB*



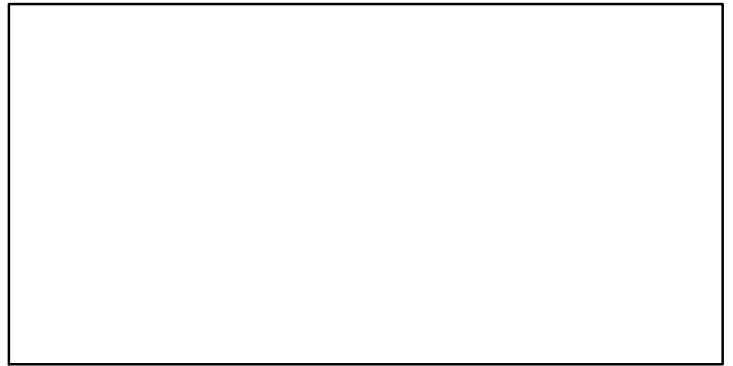
SSB*



TN *



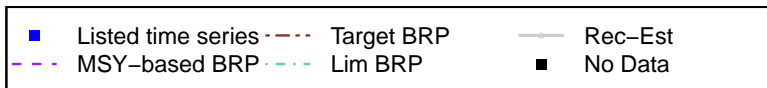
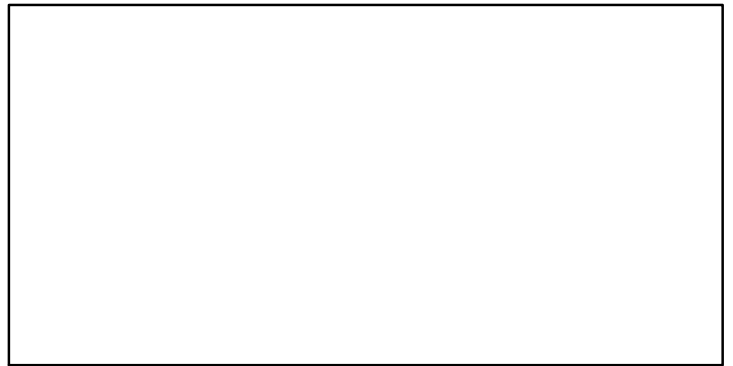
F*



ER*



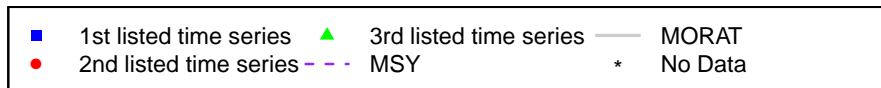
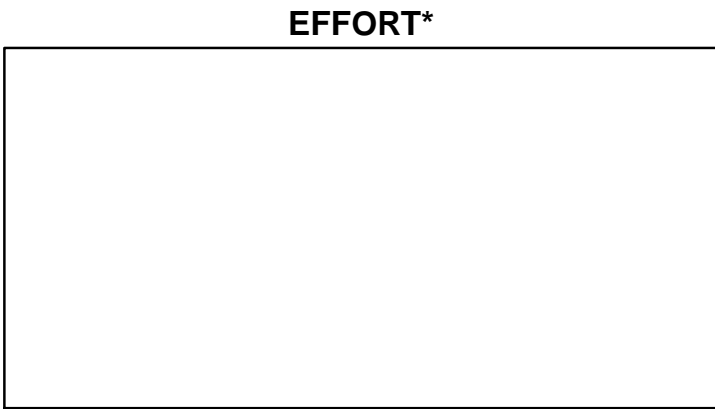
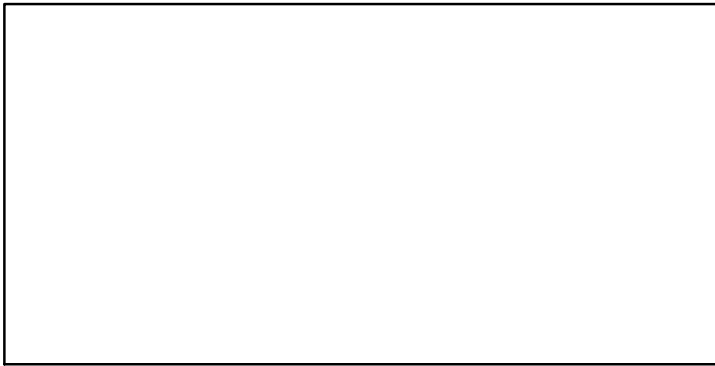
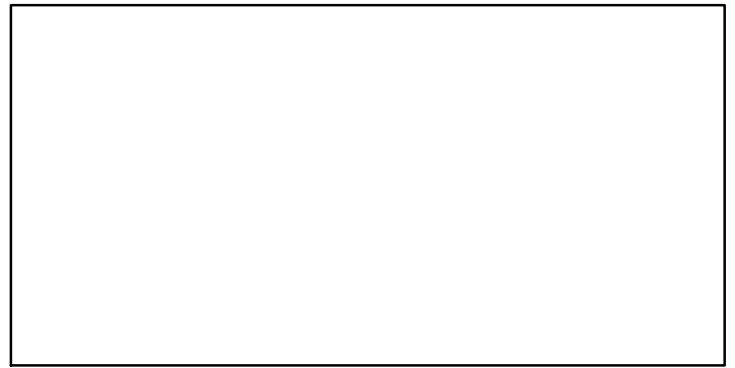
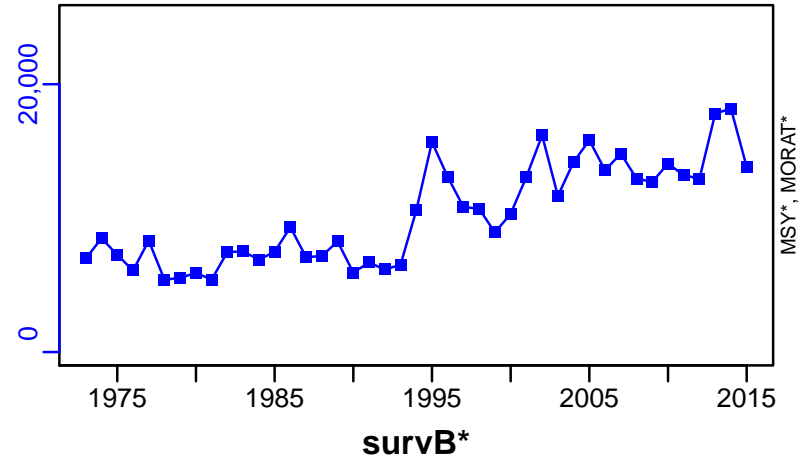
Recruits*



European flounder Subdivisions 24–25 [EFLOUN2425]

TL–MT, TC*, RecC* (1973–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



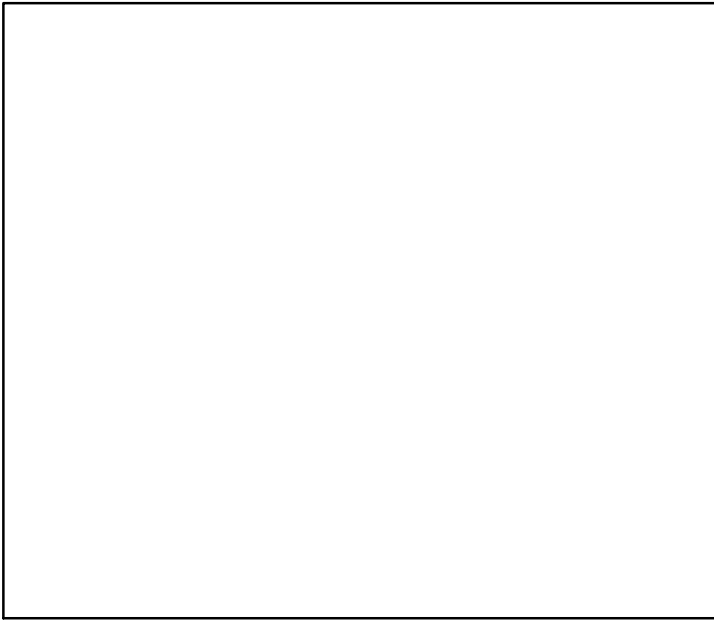
European flounder Subdivisions 26-28 [EFLOUN26-28]

Metadata	
Scientific Name	Platichthys flesus
Current Assess ID	WGBFAS-EFLOUN26-28-1996-2016-ICESIMP2016
Area	Subdivisions 26-28
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2016

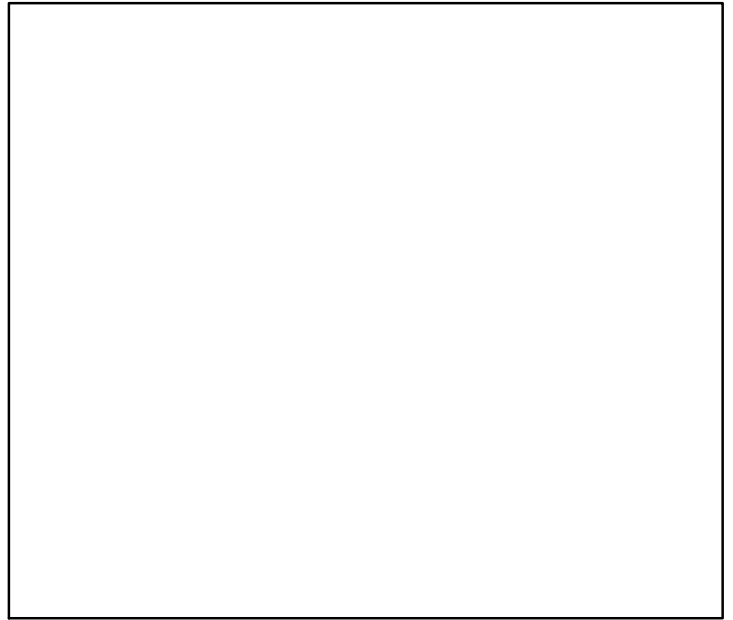
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	4440		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

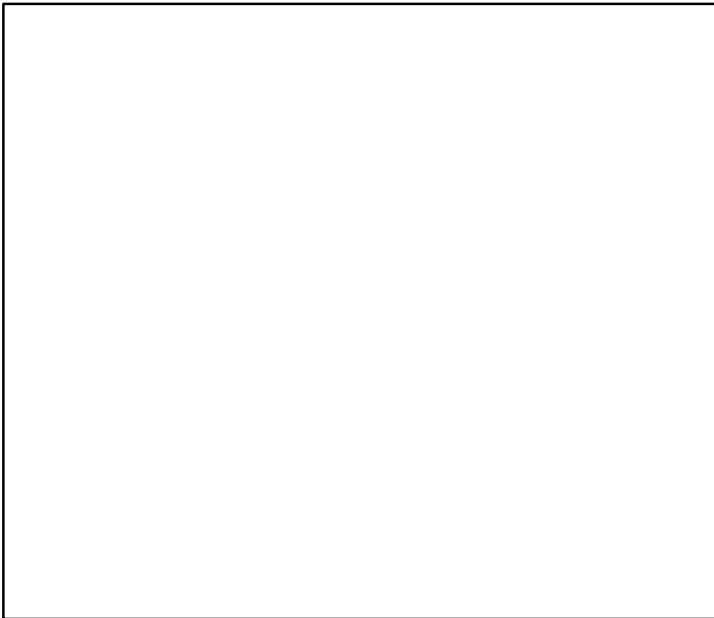
Kobe MSY*



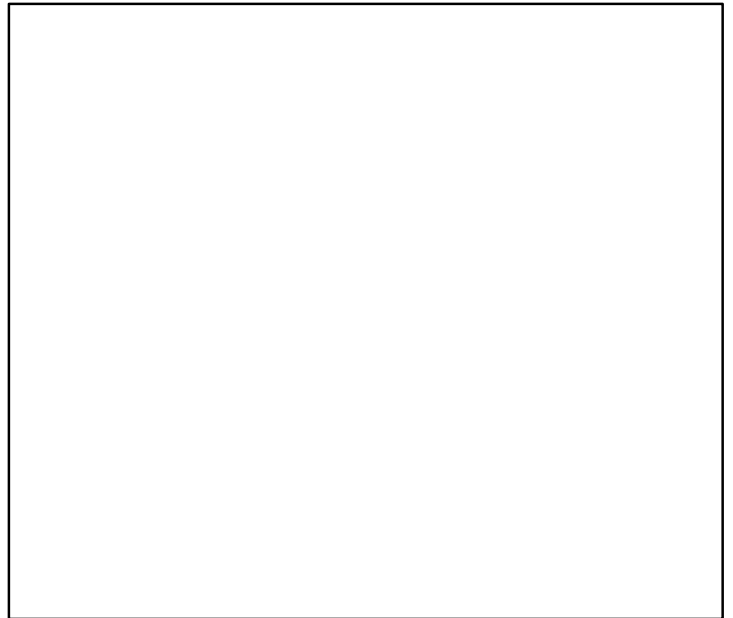
Kobe MGT*



Spawner Recruit*



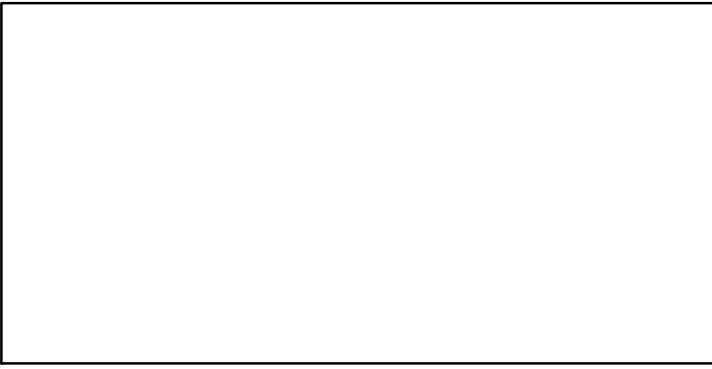
Production*



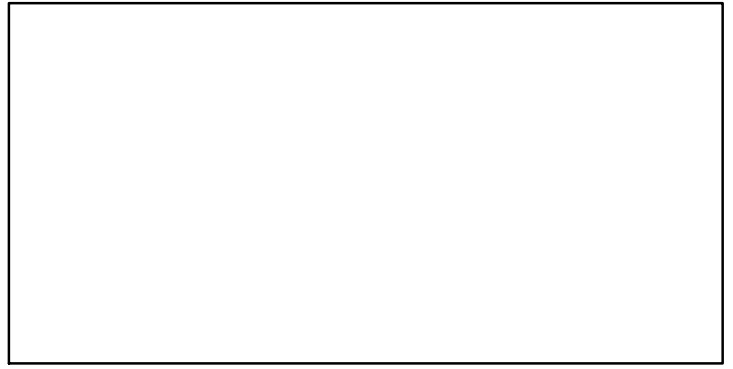
◆ Start Year ◆ End Year * No Data

European flounder Subdivisions 26–28 [EFLOUN26–28]

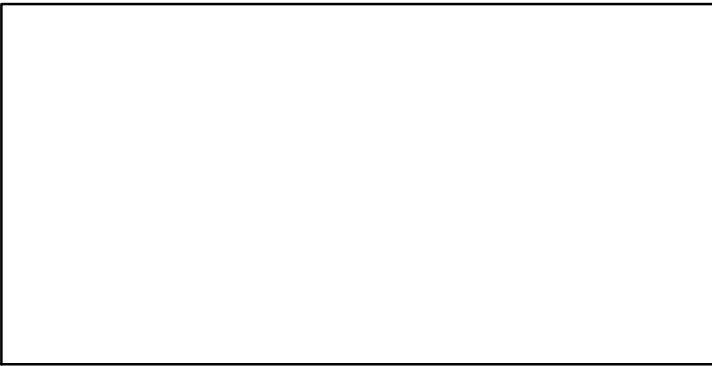
TB*



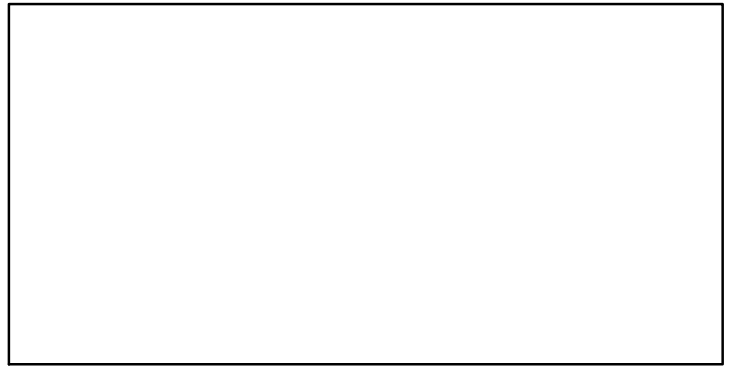
SSB*



TN *



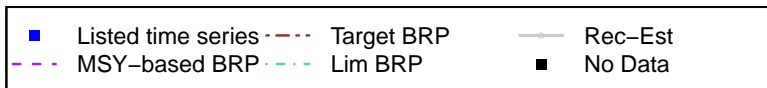
F*



ER*



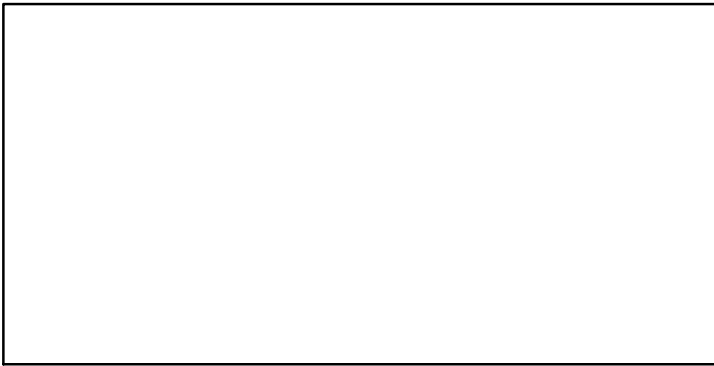
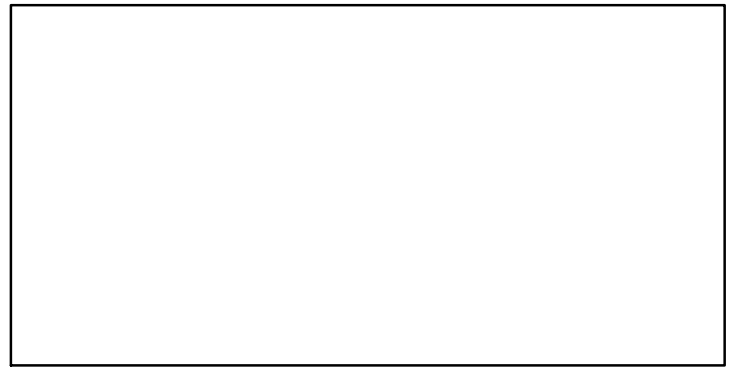
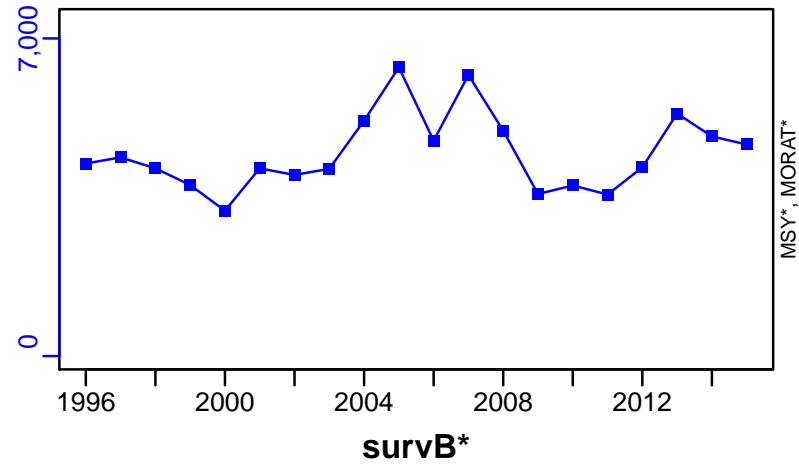
Recruits*



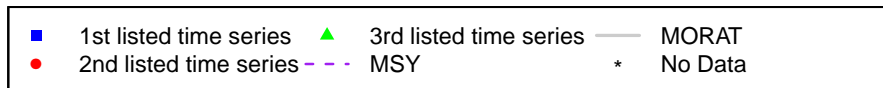
European flounder Subdivisions 26–28 [EFLOUN26–28]

TL–MT, TC*, RecC* (1996–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



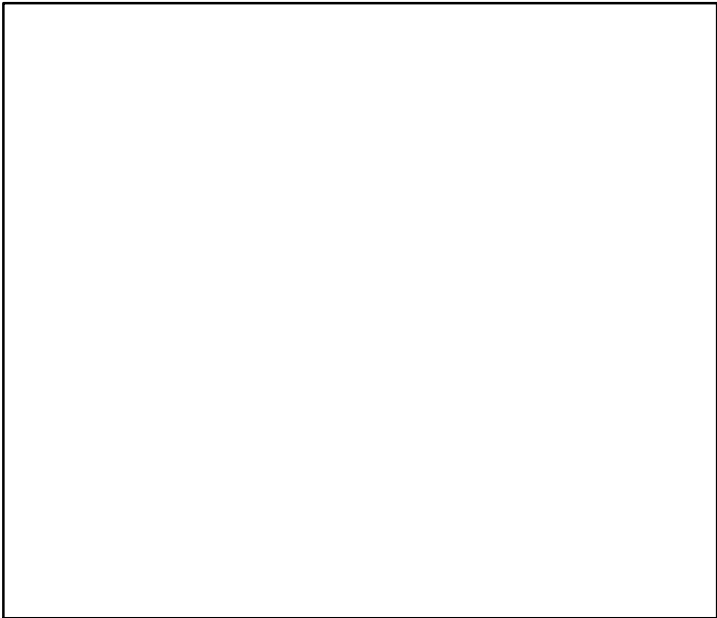
European flounder Subdivisions 27 and 29-32 [EFLOUN27-2932]

Metadata	
Scientific Name	Platichthys flesus
Current Assess ID	WGBFAS-EFLOUN27-2932-1980-2016-ICESIMP2016
Area	Subdivisions 27 and 29-32
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2016

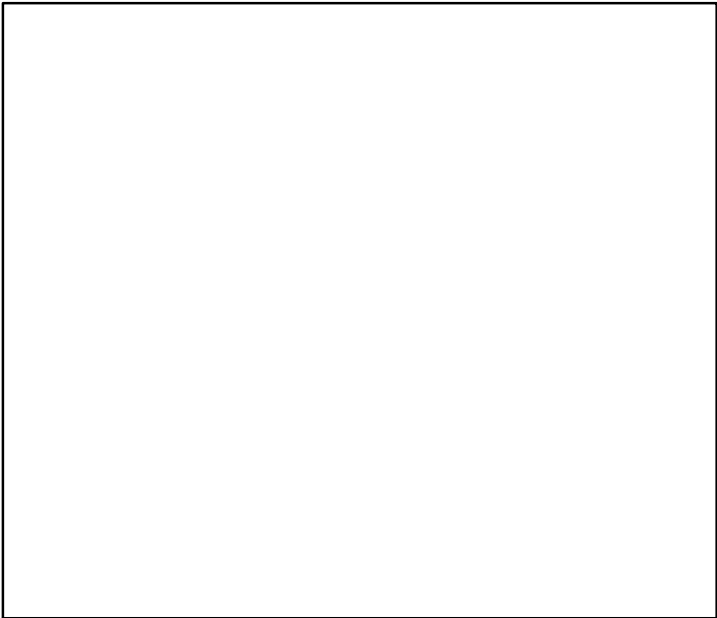
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	176		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

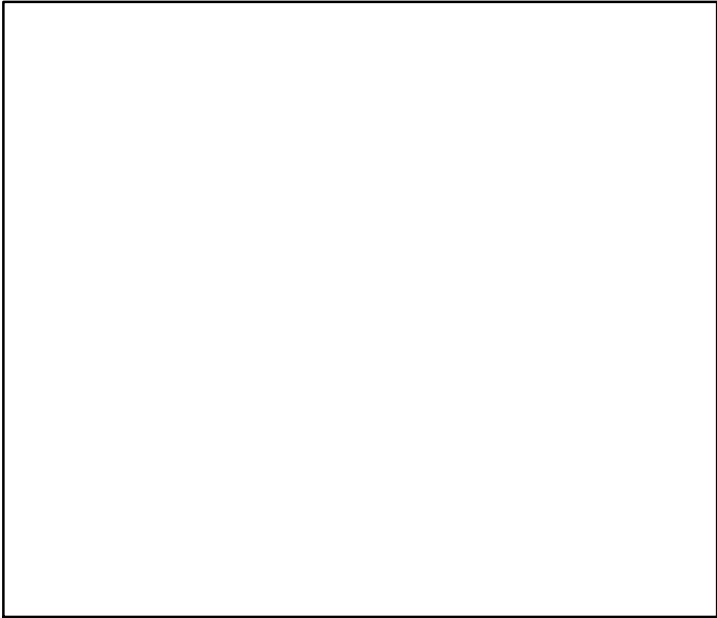
Kobe MSY*



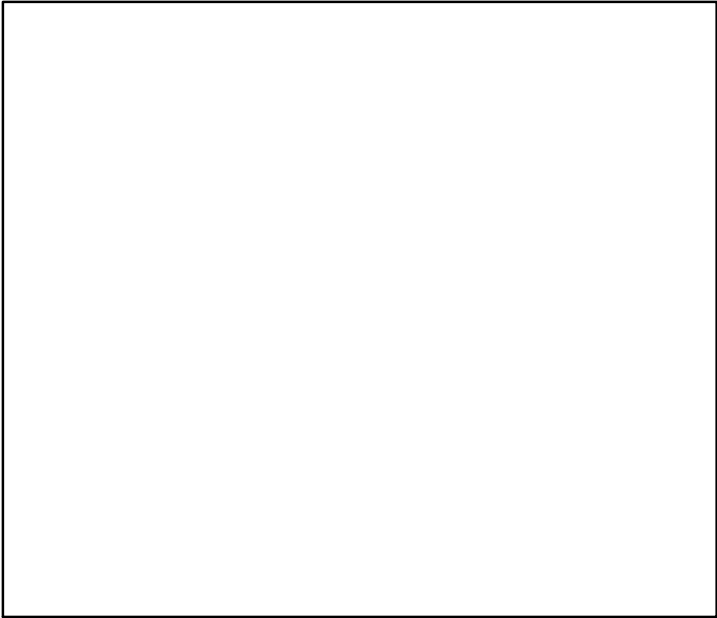
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

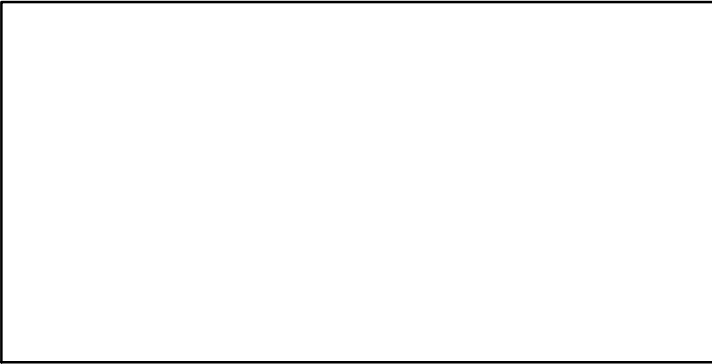
TB*



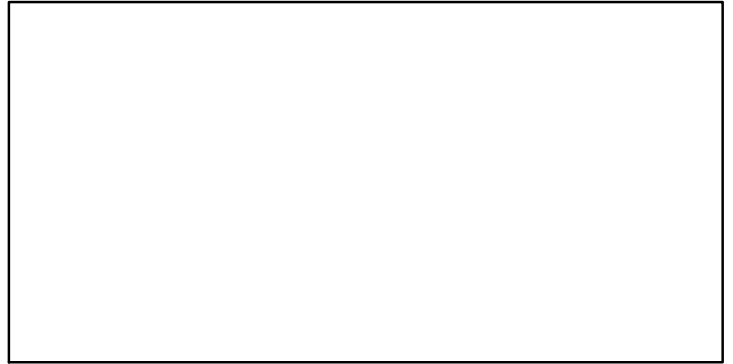
SSB*



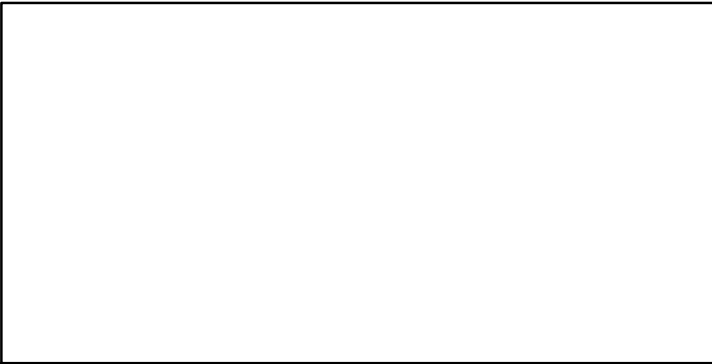
TN *



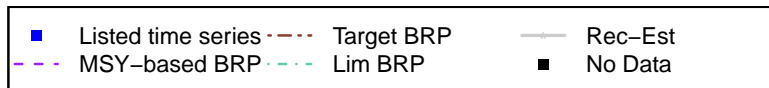
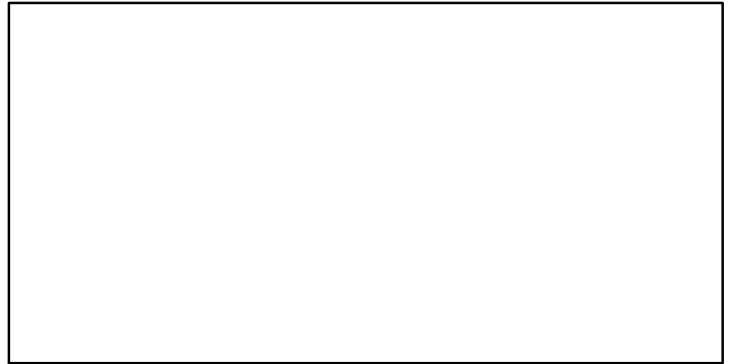
F*



ER*

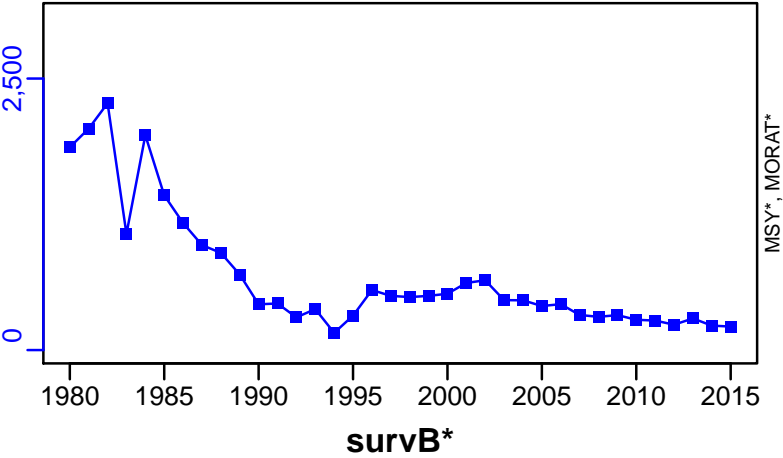


Recruits*

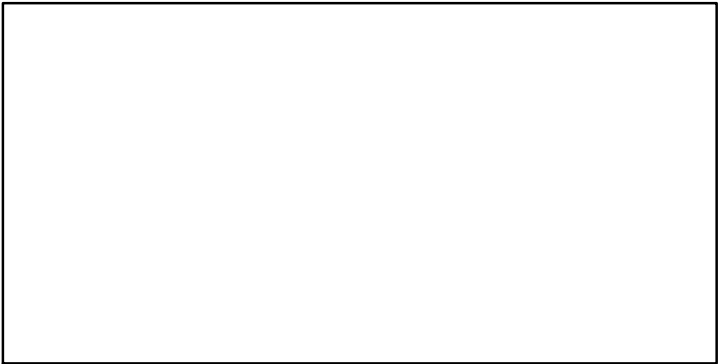


European flounder Subdivisions 27 and 29–32 [EFLOUN27–2932]

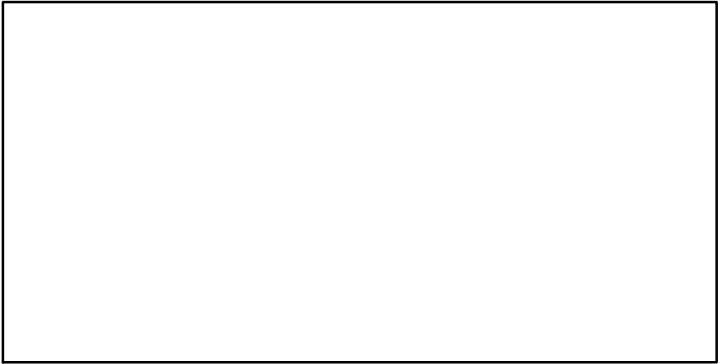
TL–MT, TC*, RecC* (1980–2016–ICESIMP2016)



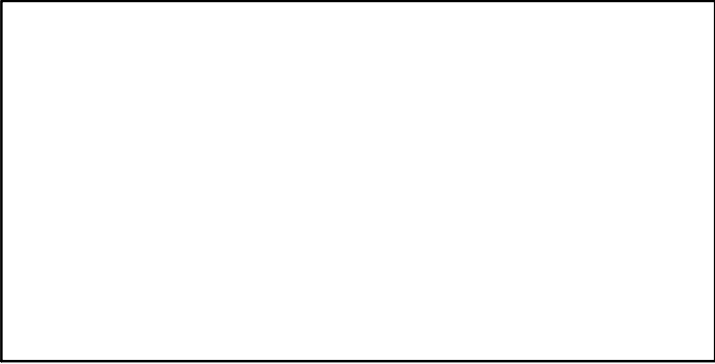
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*

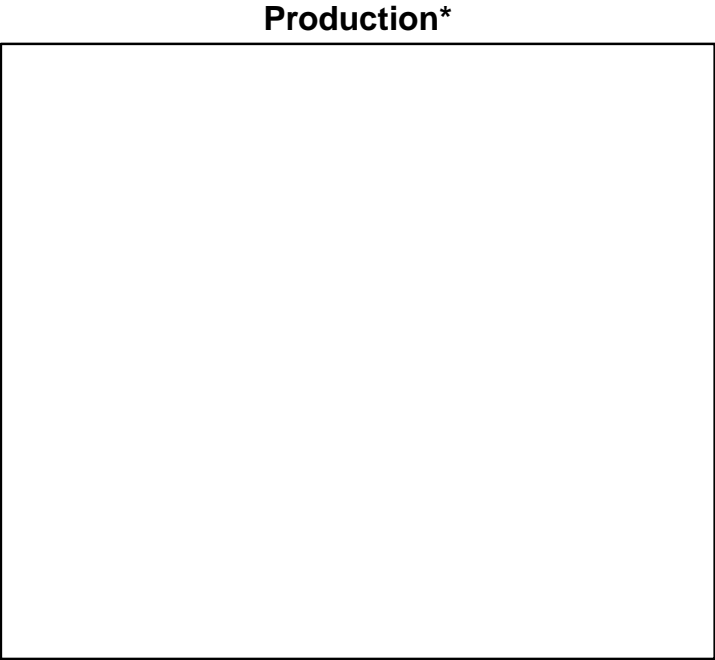
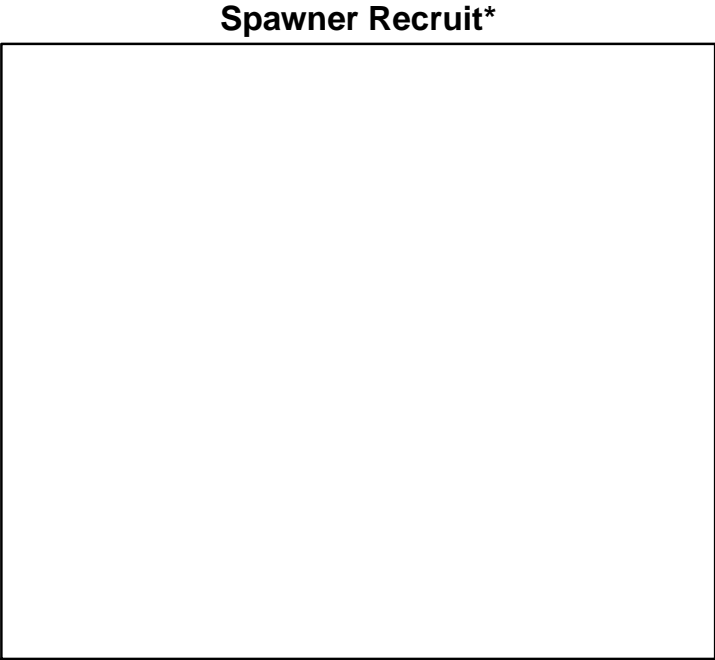
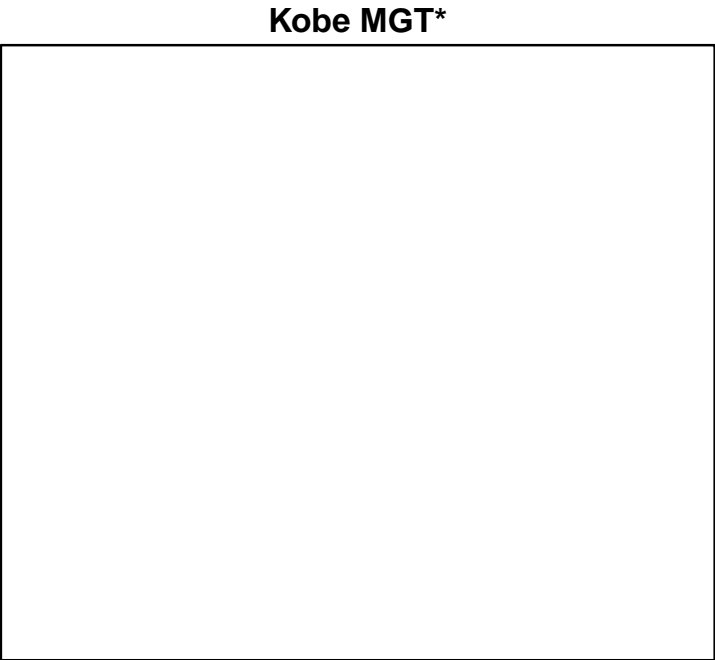
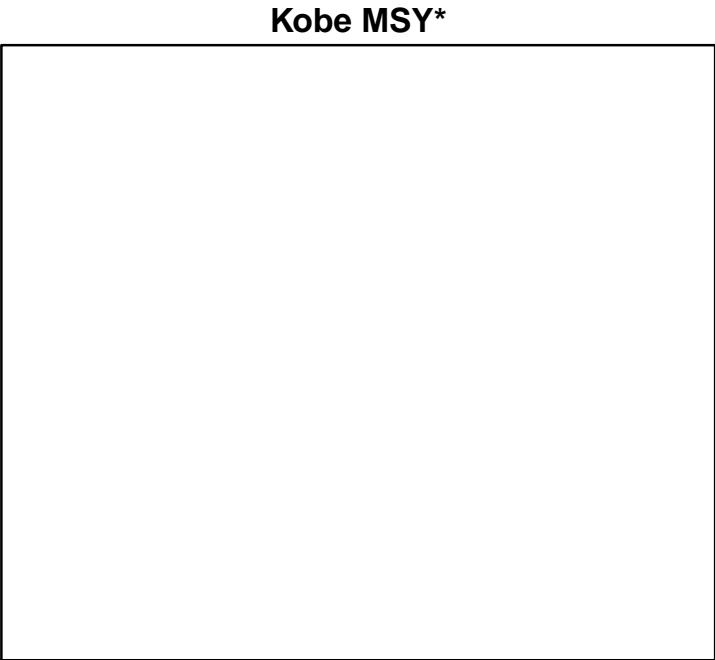


European pollack IIIa and North Sea [EPOLLIV-IIIa]

Metadata	
Scientific Name	Pollachius pollachius
Current Assess ID	WGNSSK-EPOLLIV-IIIa-1977-2016-ICESIMP2016
Area	IIIa and North Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2016

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

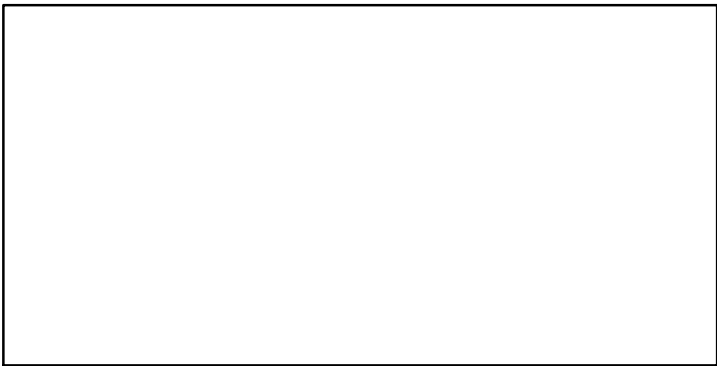
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	1970		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



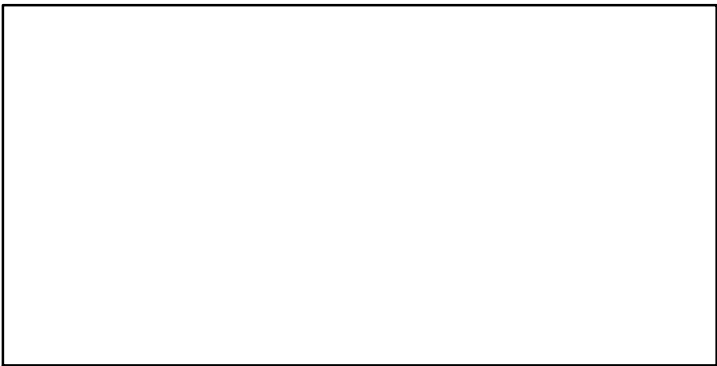
◆ Start Year ◆ End Year * No Data

European pollack IIIa and North Sea [EPOLLIV-IIIa]

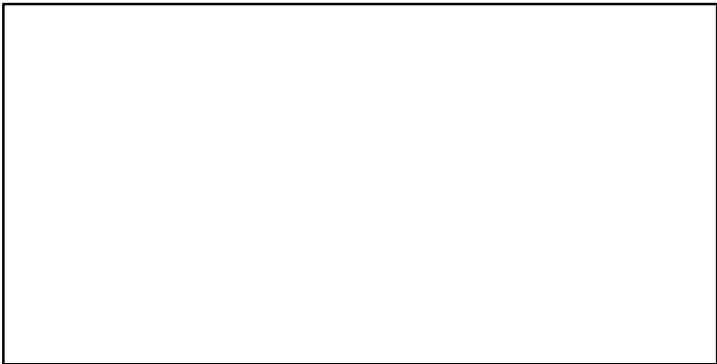
TB*



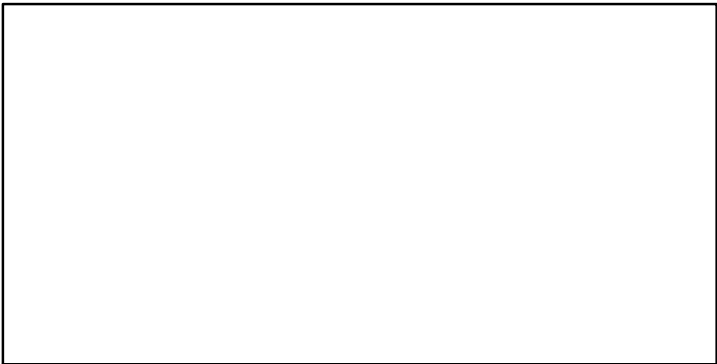
SSB*



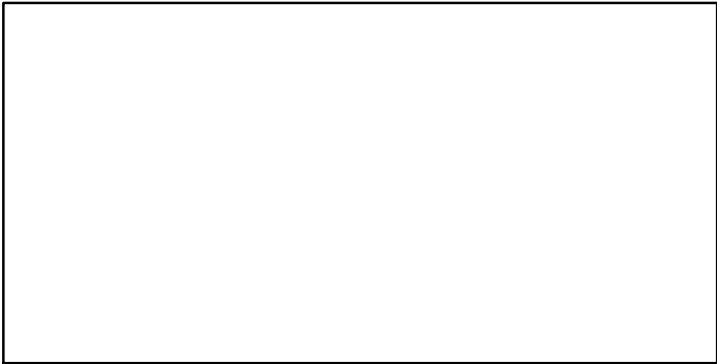
TN *



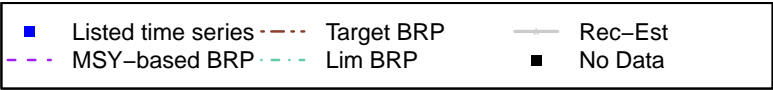
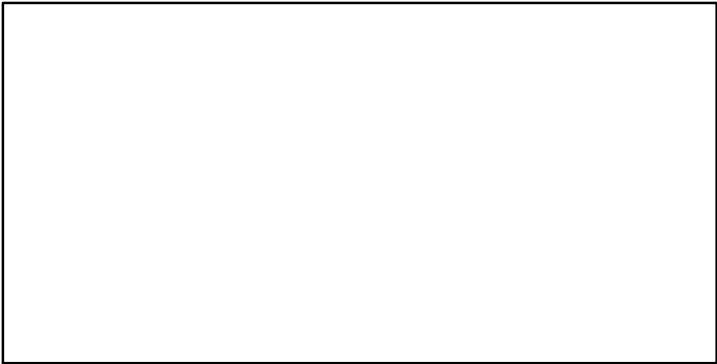
F*



ER*

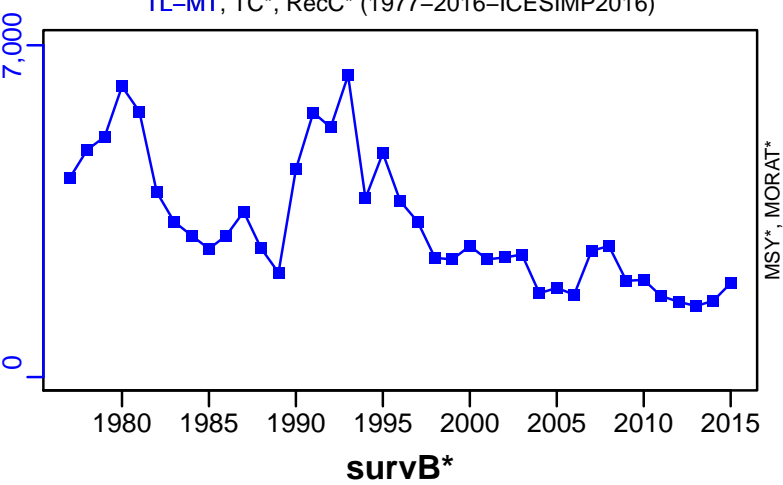


Recruits*

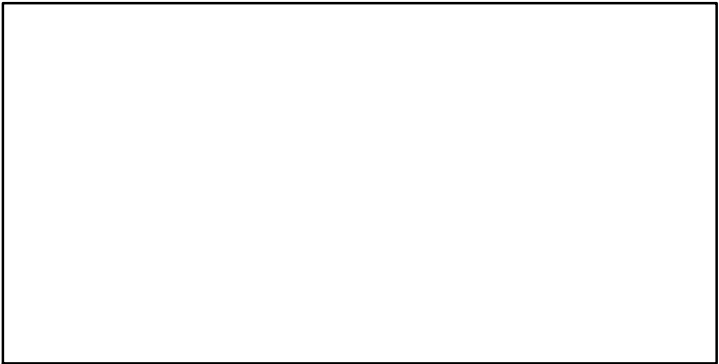


European pollack IIIa and North Sea [EPOLLIV-IIIa]

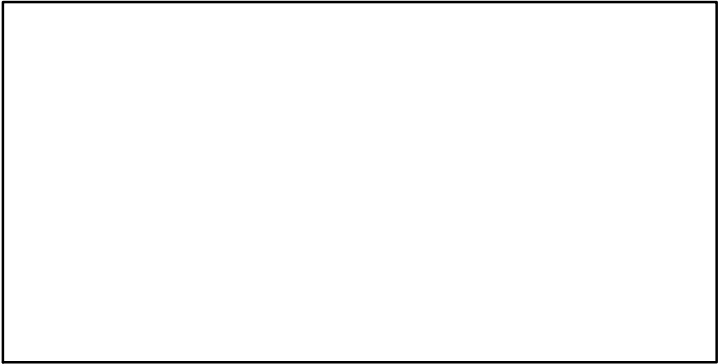
TL-MT, TC*, RecC* (1977-2016-ICESIMP2016)



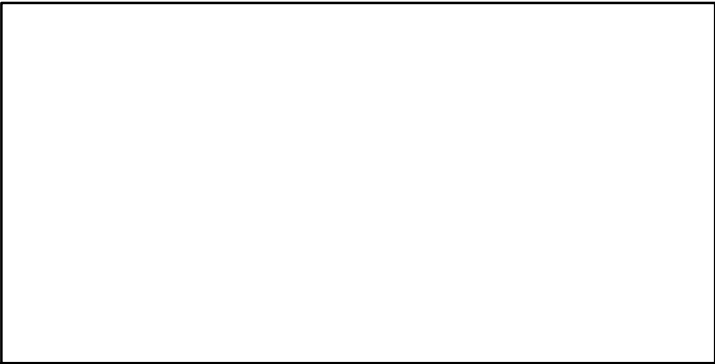
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



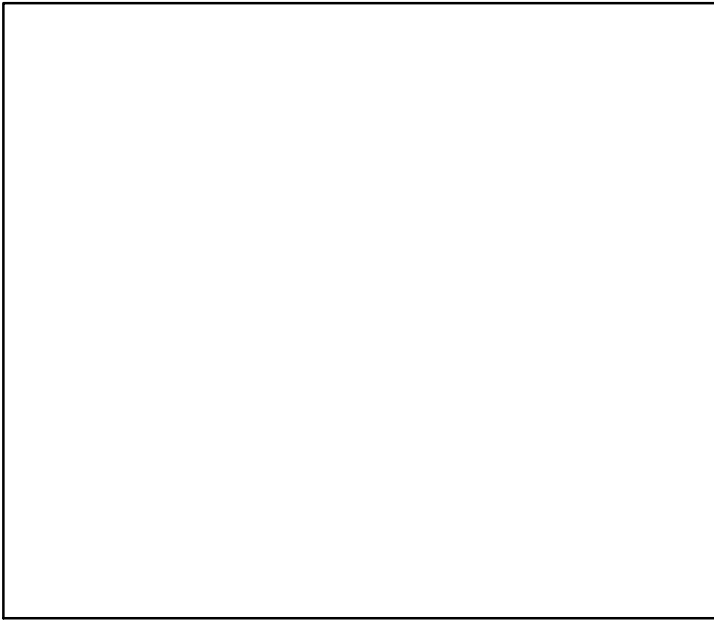
European pollack VIII and IXa [EPOLLVIII-IXa]

Metadata	
Scientific Name	Pollachius pollachius
Current Assess ID	WGBIE-EPOLLVIII-IXa-1985-2016-ICESIMP2016
Area	VIII and IXa
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2015, 2016

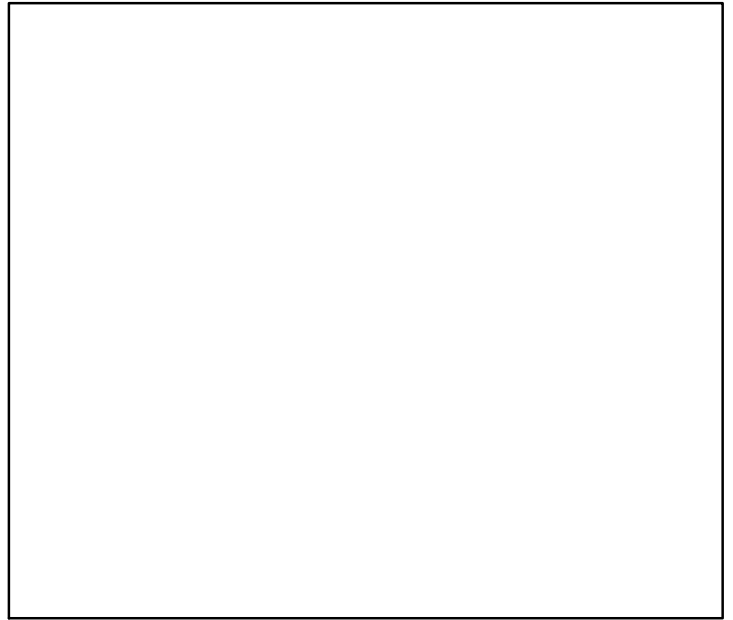
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	1610		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

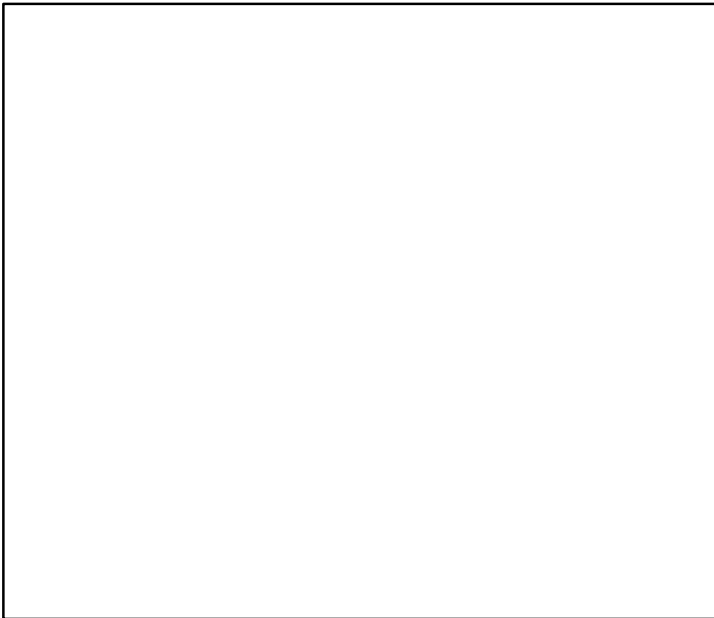
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

European pollack VIII and IXa [EPOLLVIII-IXa]

TB*



SSB*



TN *



F*



ER*



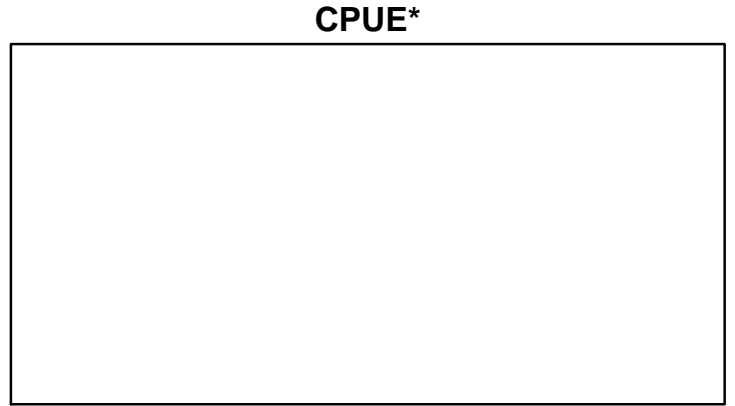
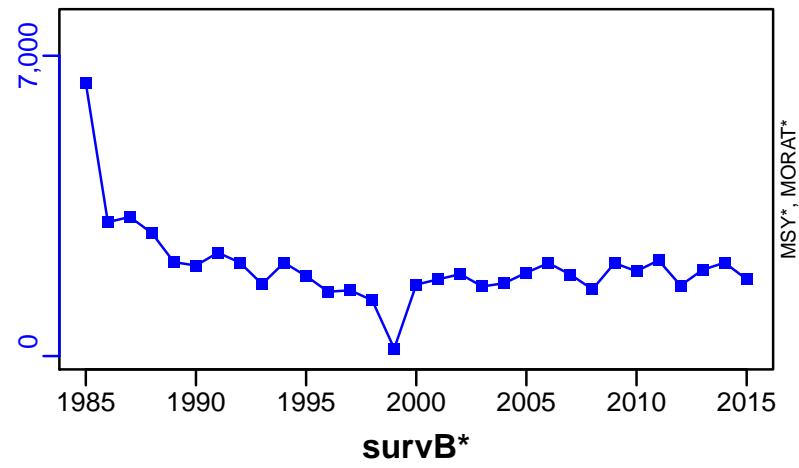
Recruits*



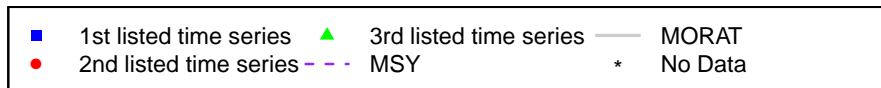
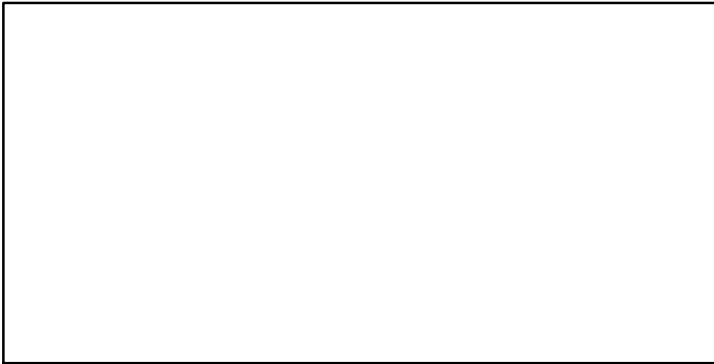
European pollack VIII and IXa [EPOLLVIII-IXa]

TL-MT, TC*, RecC* (1985–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Fourspotted megrim ICES VIIIc-IXa [FMEG8c9a]

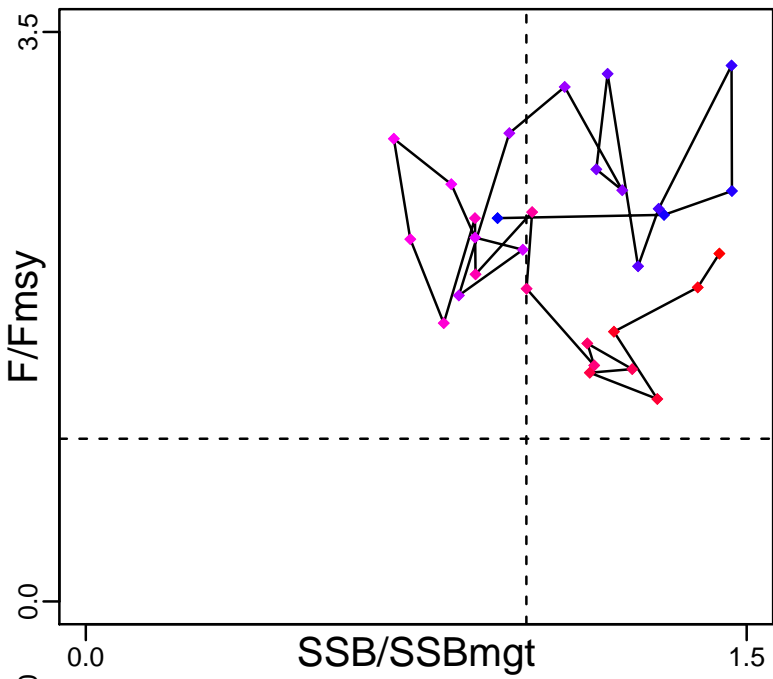
Metadata	
Scientific Name	Lepidorhombus boscii
Current Assess ID	WGBIE-FMEG8c9a-1986-2016-ICESIMP2016
Area	VIIIc-IXa
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2014, 2015, 2016, 2010, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.19
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	4600
Fmgt	Fmgt-1/yr	2016	0.19
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.2
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	3300
Flim	Flim-1/yr	2016	0.57
ERlim	-	-	-

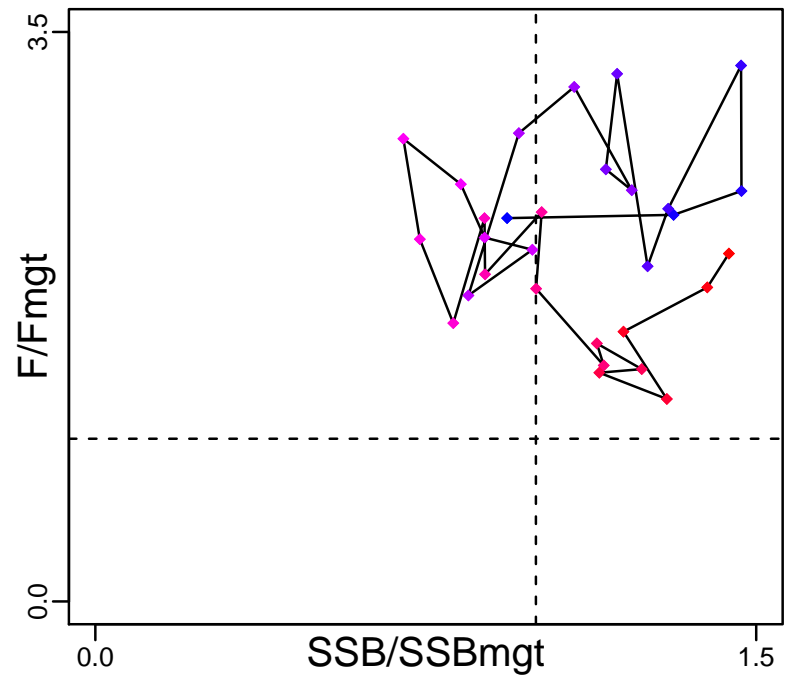
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	7910	Both	-
SSB	SSB-MT	2016	7180	Both	-
TN	-	-	-	-	-
R	R-E00	2016	43,300,000	-	0
F	F-1/yr	2016	0.406	-	2 to 4
ER	ER-calc-ratio	2016	0.221	-	-
TC	TC-MT	2016	1750		
TL	TL-MT	2016	1150		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	2.138		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.561		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	2.138		
ER/ERmgt	-	-	-		

Fourspotted megrim ICES VIIIc-IXa [FMEG8c9a]

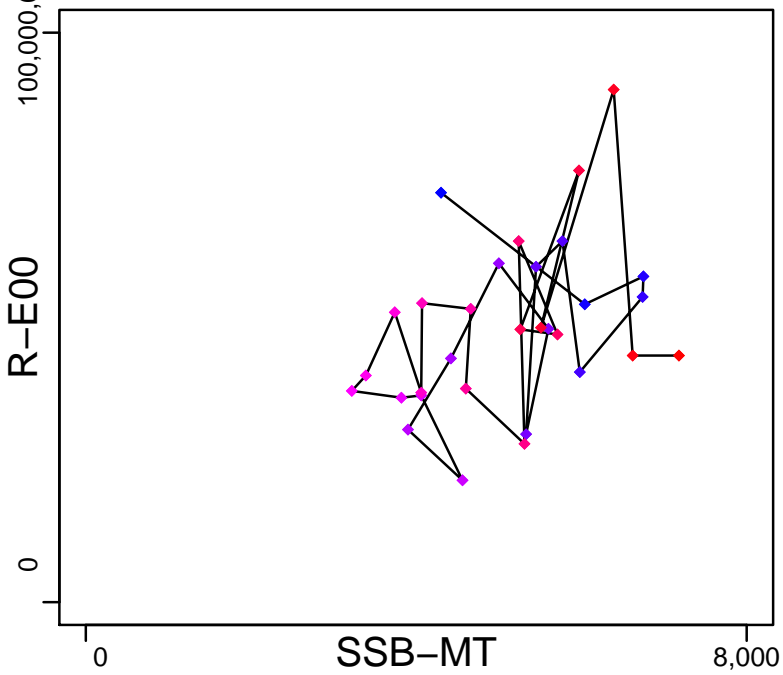
Kobe MSYpref (1986–2016–ICESIMP2016)



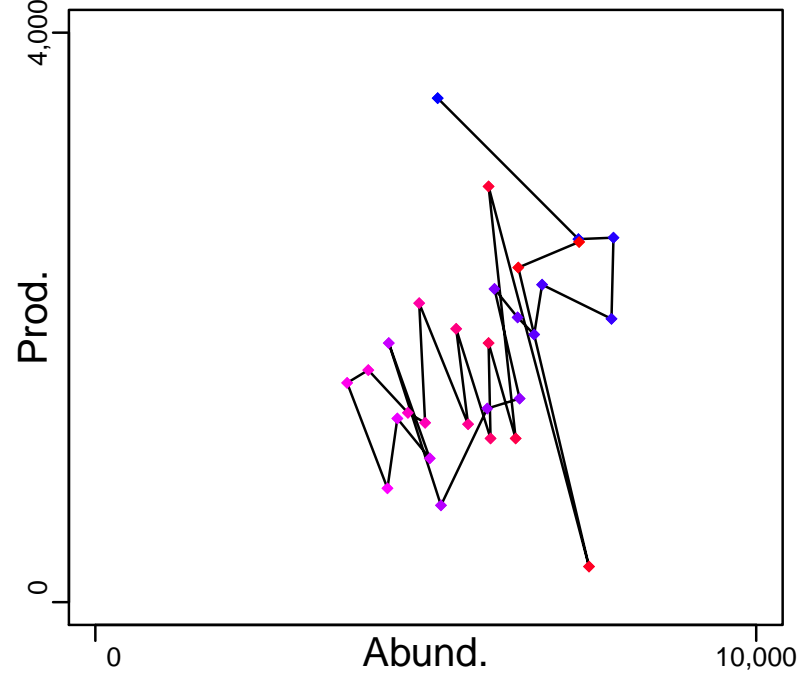
Kobe MGTpref (1986–2016–ICESIMP2016)



Spawner Recruit (1986–2016–ICESIMP2016)



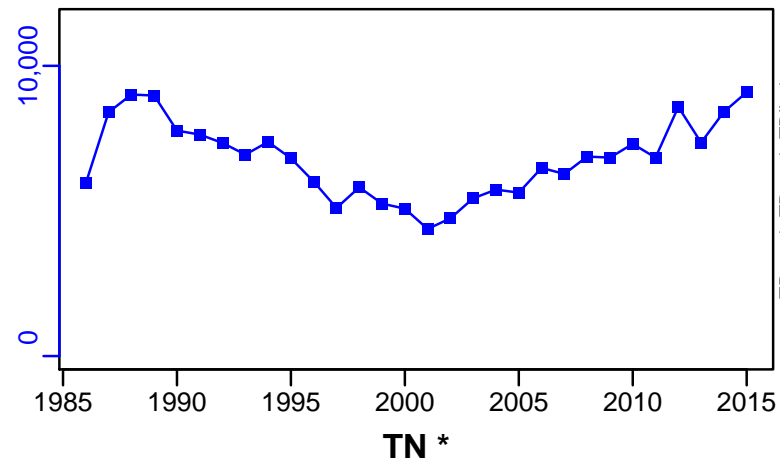
Production (1986–2016–ICESIMP2016)



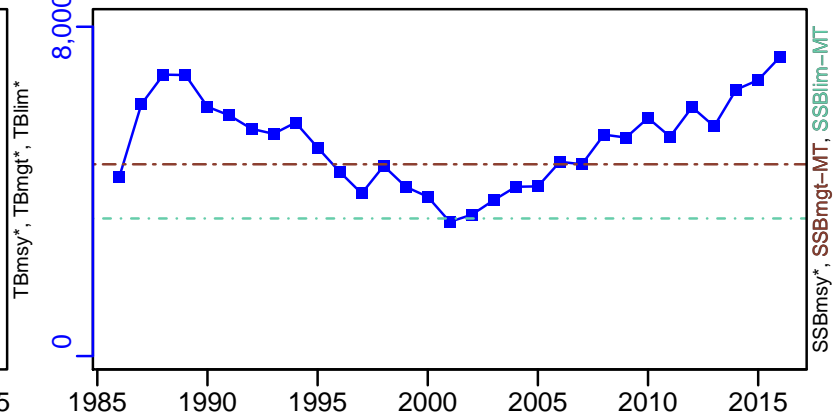
◆ Start Year ◆ End Year * No Data

Fourspotted megrim ICES VIIIc-IXa [FMEG8c9a]

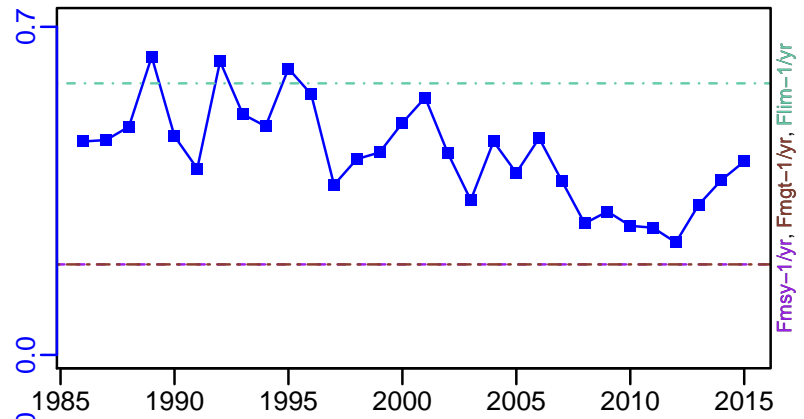
TB-MT (1986–2016–ICESIMP2016)



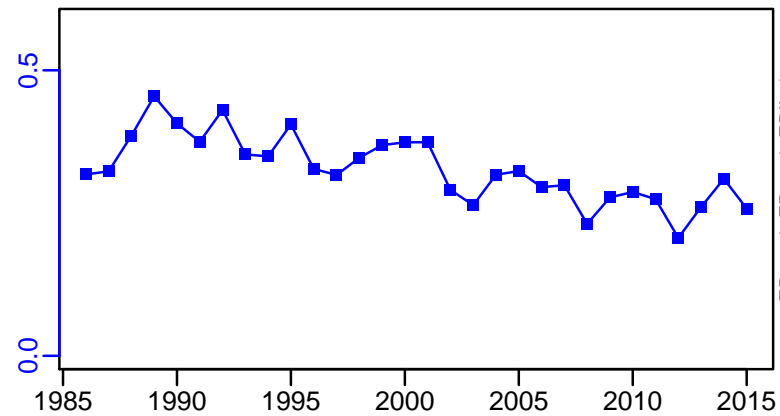
SSB-MT (1986–2016–ICESIMP2016)



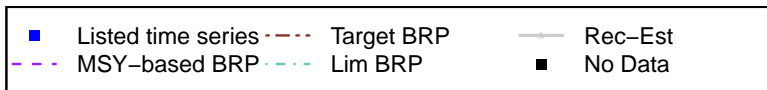
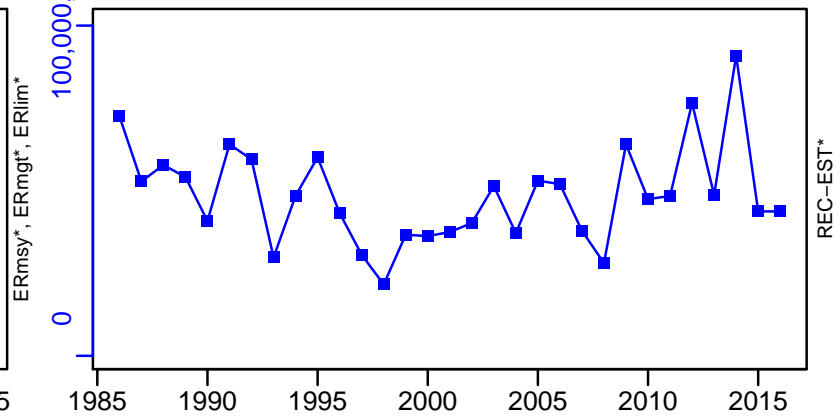
F-1/yr (1986–2016–ICESIMP2016)



ER-calc-ratio (1986–2016–ICESIMP2016)



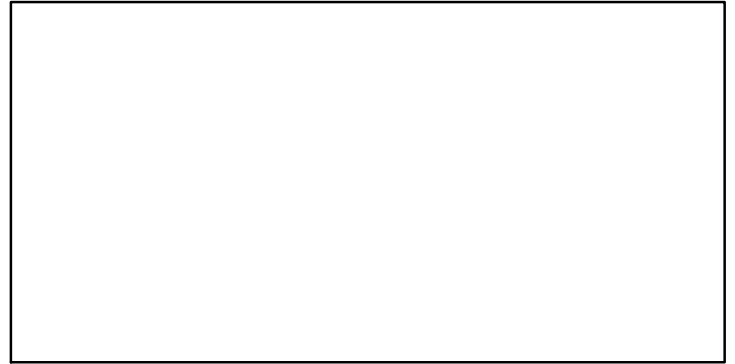
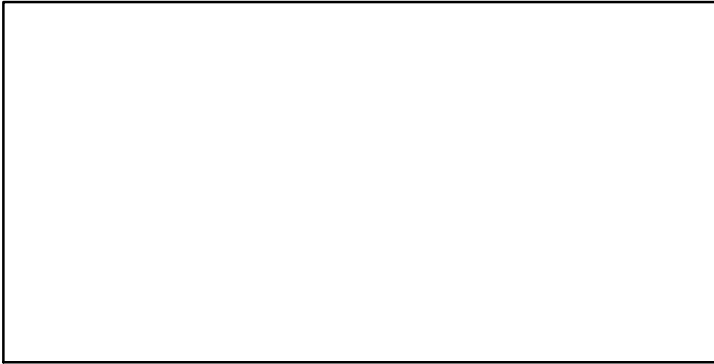
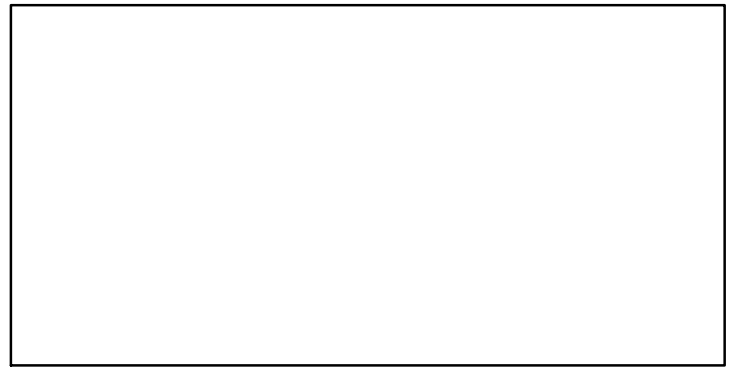
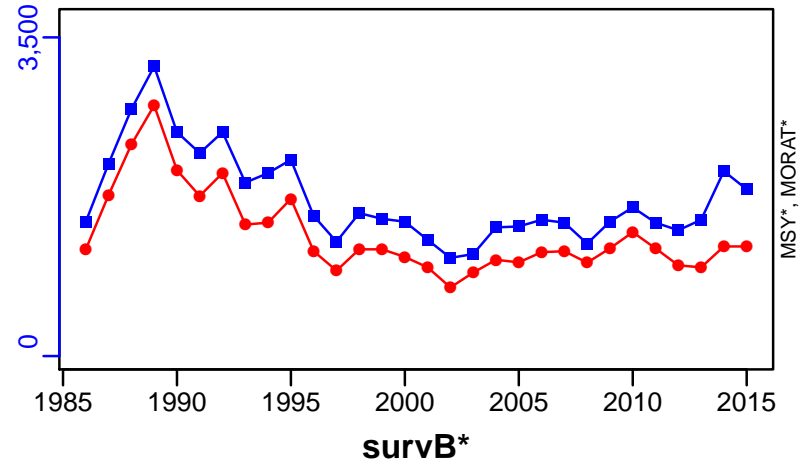
R-E00 (1986–2016–ICESIMP2016)



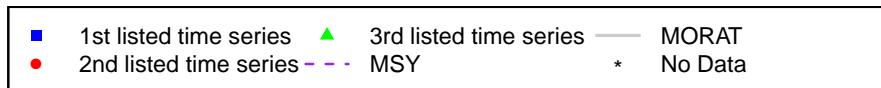
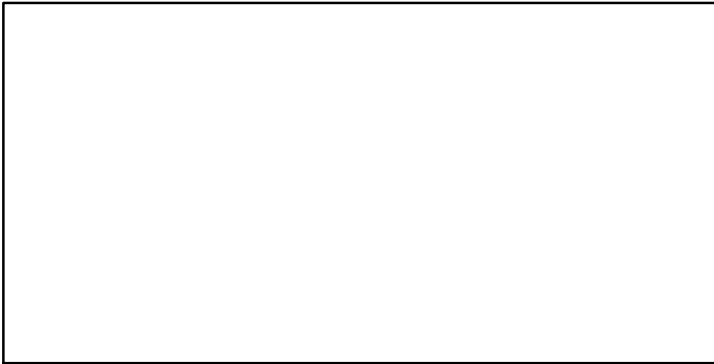
Fourspotted megrim ICES VIIIc-IXa [FMEG8c9a]

TC-MT, TL-MT, RecC* (1986-2016-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



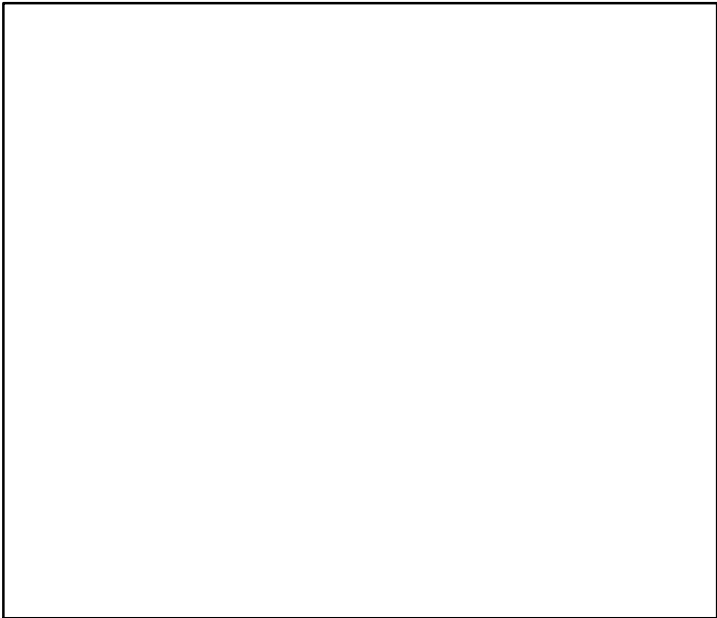
Greater forkbeard Northeast Atlantic [GFORKNEATL]

Metadata	
Scientific Name	Phycis blennoides
Current Assess ID	WGDEEP-GFORKNEATL-2005-2016-ICESIMP2016
Area	Northeast Atlantic
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2016

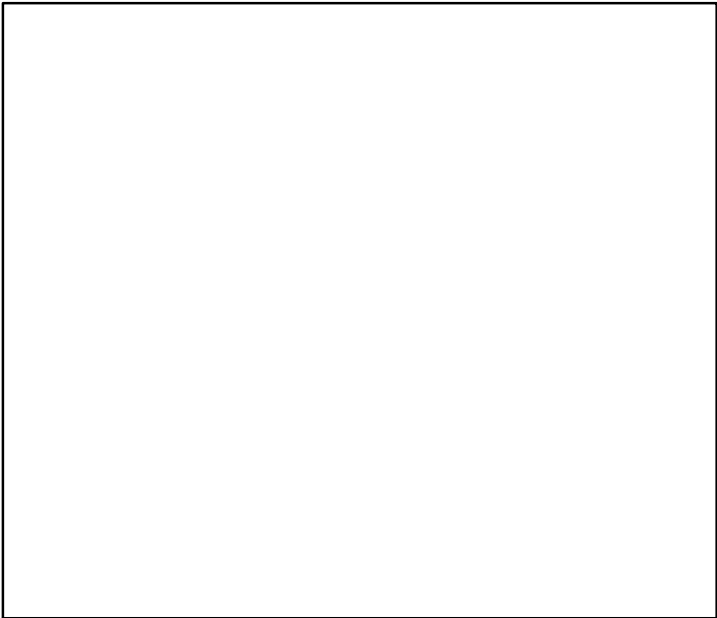
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	2170		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

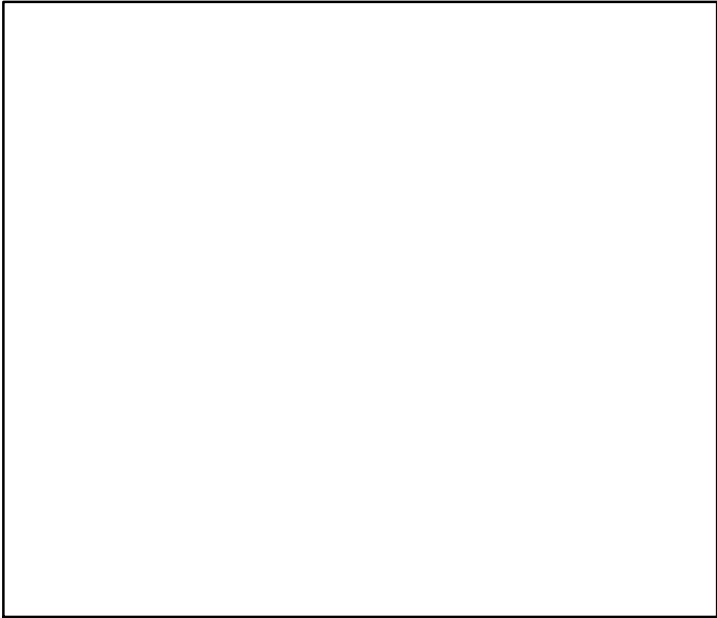
Kobe MSY*



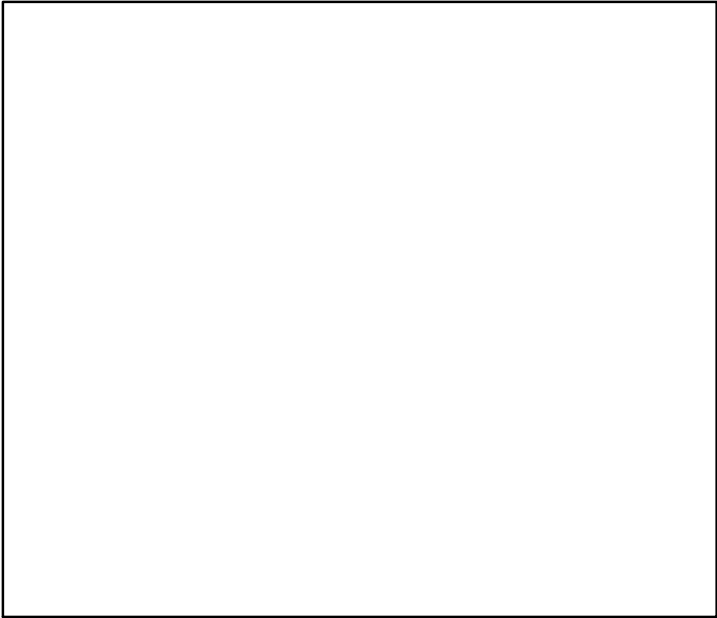
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Greater forkbeard Northeast Atlantic [GFORKNEATL]

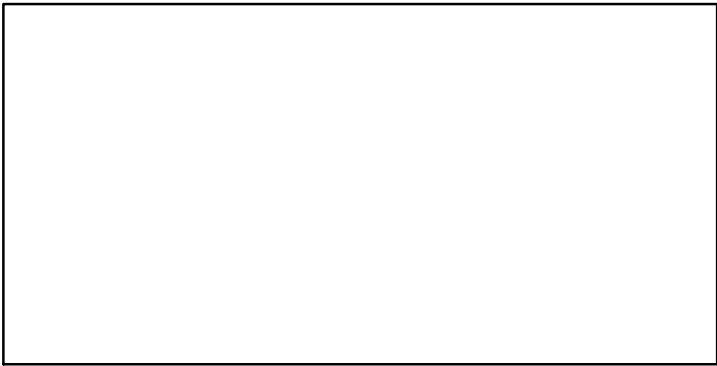
TB*



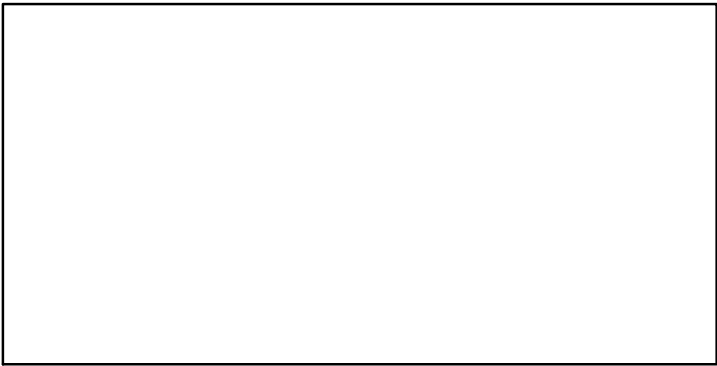
SSB*



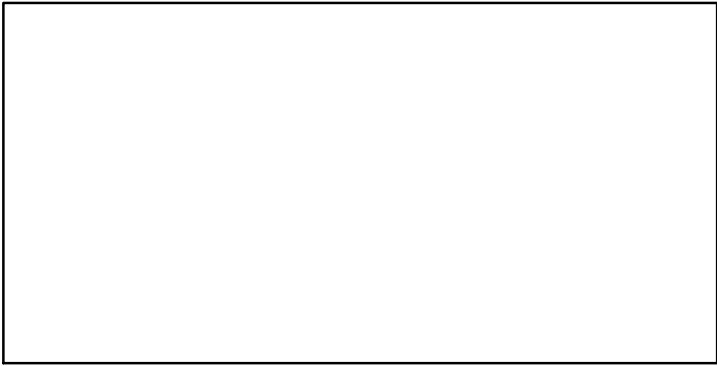
TN *



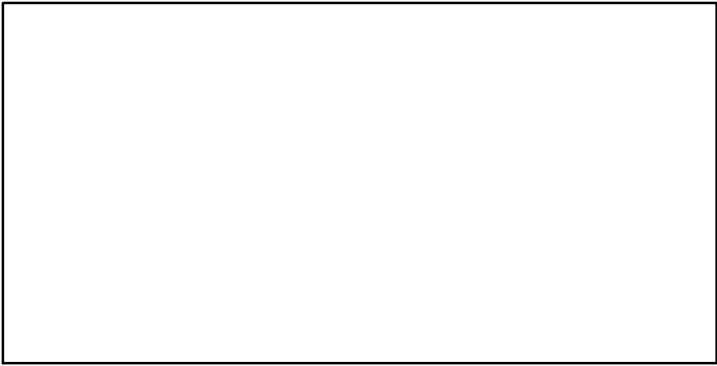
F*



ER*

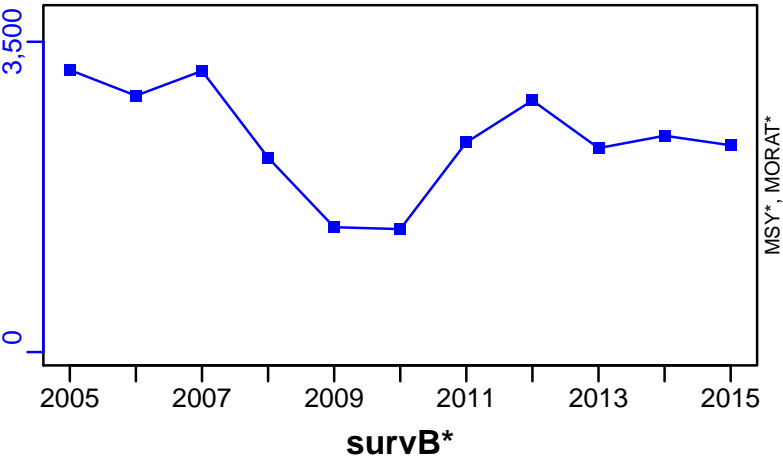


Recruits*



Greater forkbeard Northeast Atlantic [GFORKNEATL]

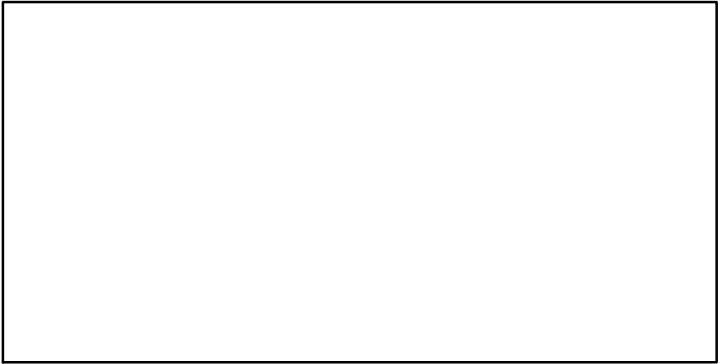
TL-MT, TC*, RecC* (2005–2016–ICESIMP2016)



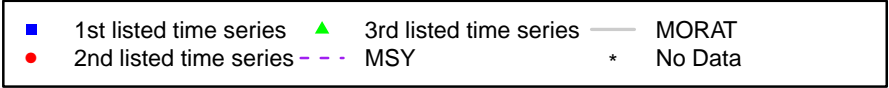
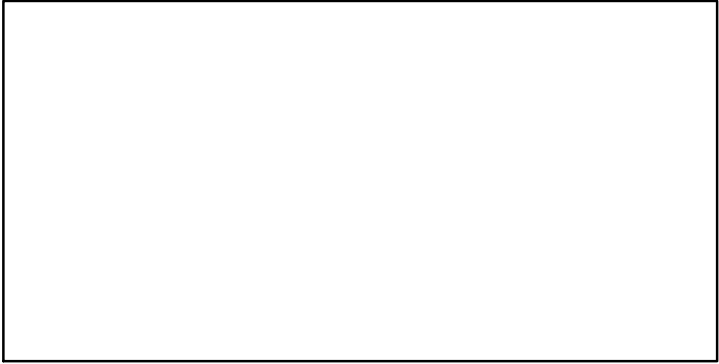
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



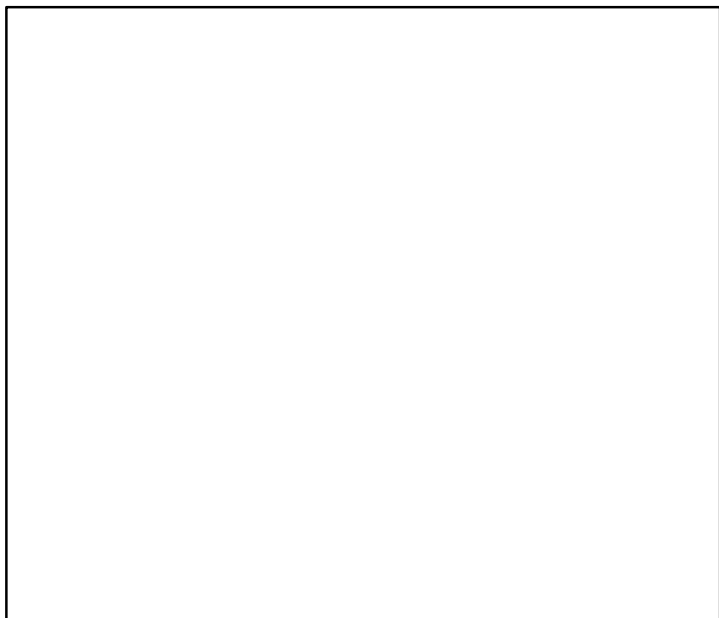
Grey gurnard IIIa, VIId and North Sea [GGURNIIIa-IV-VIId]

Metadata	
Scientific Name	Eutrigla gurnardus
Current Assess ID	WGNSSK-GGURNIIIa-IV-VIId-1983-2016-ICESIMP2016
Area	IIIa, VIId and North Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2016

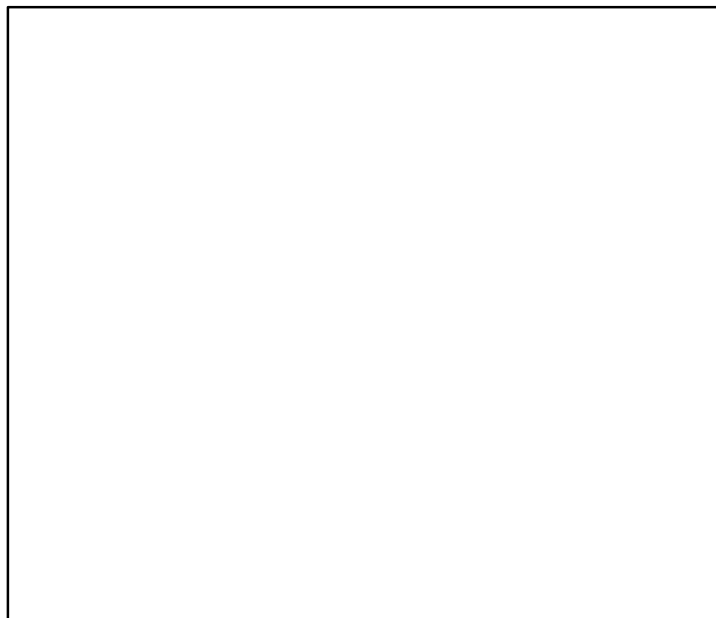
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	2030		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



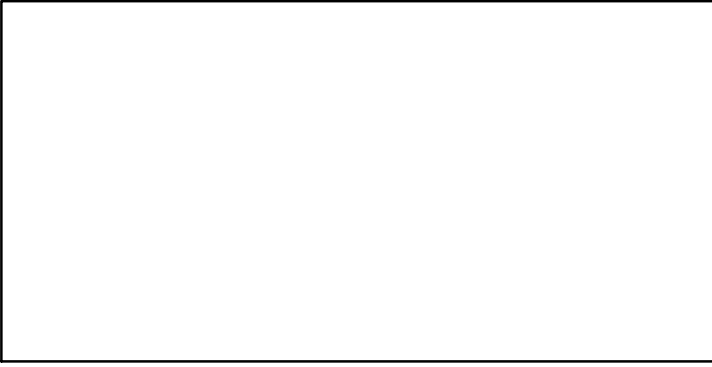
Production*



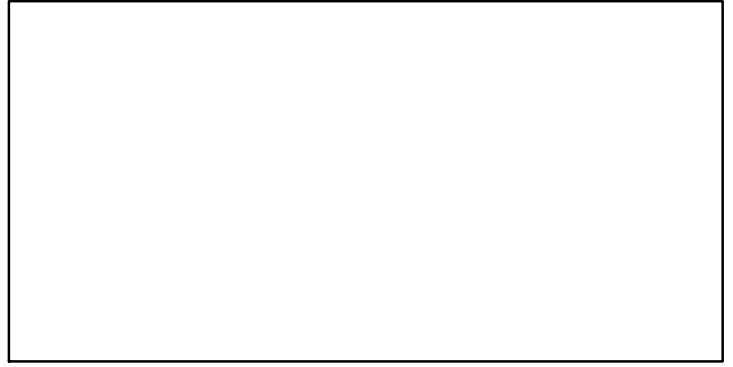
◆ Start Year ◆ End Year * No Data

Grey gurnard IIIa, VIId and North Sea [GGURNIIIa–IV–VIId]

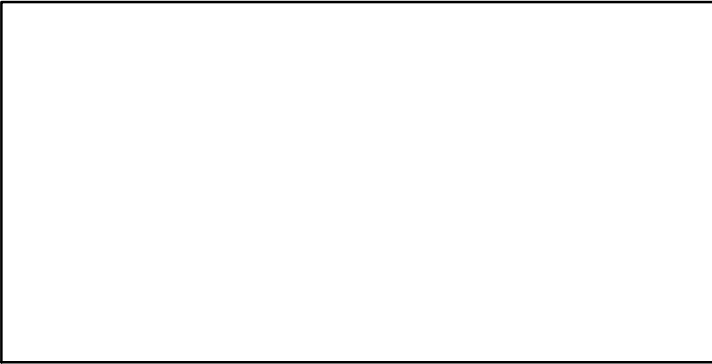
TB*



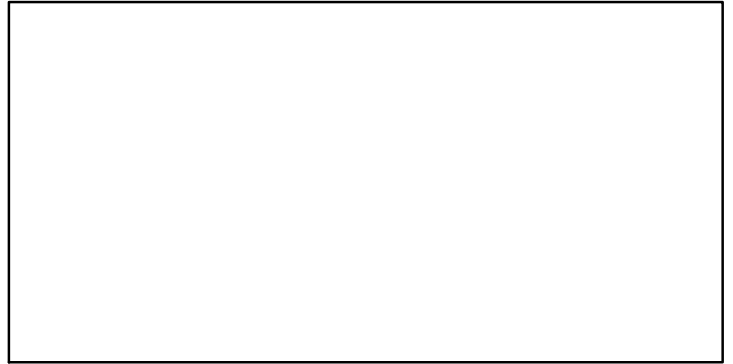
SSB*



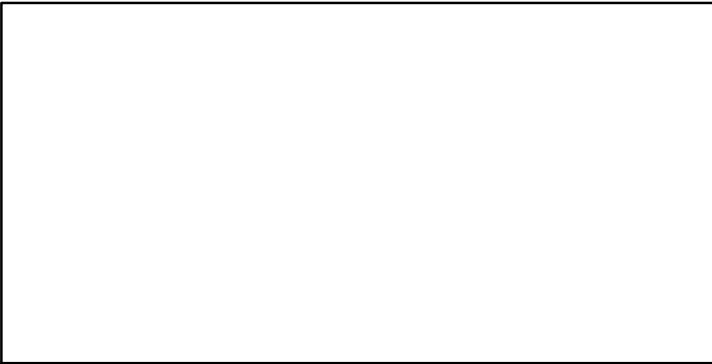
TN *



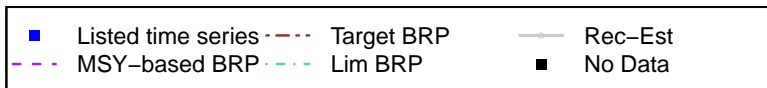
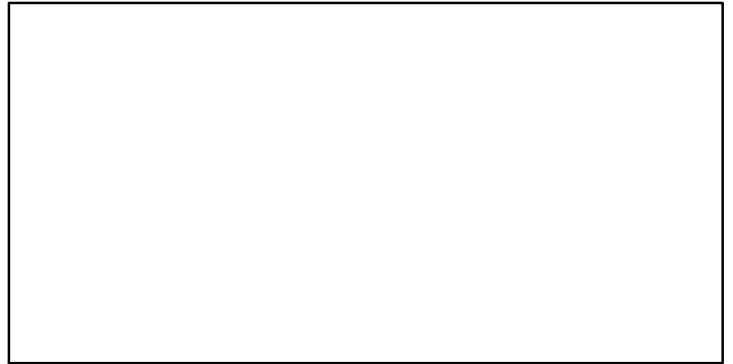
F*



ER*



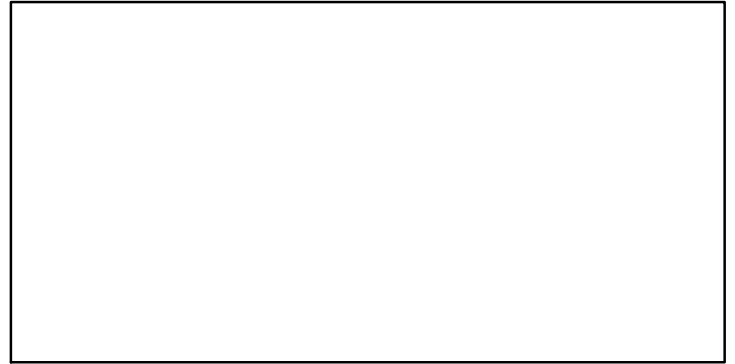
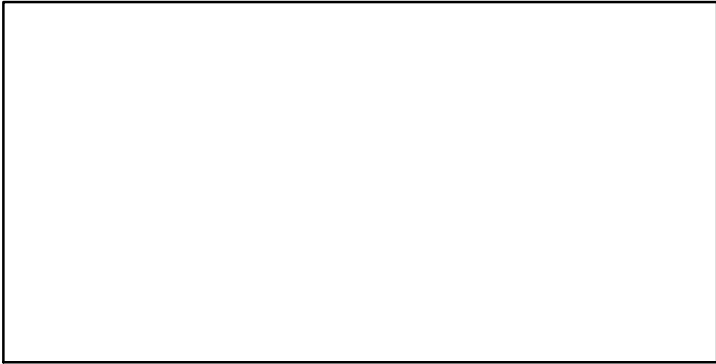
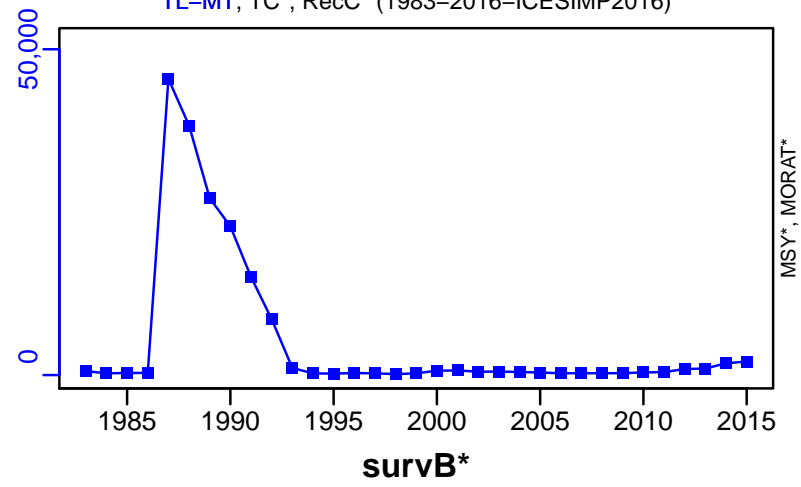
Recruits*



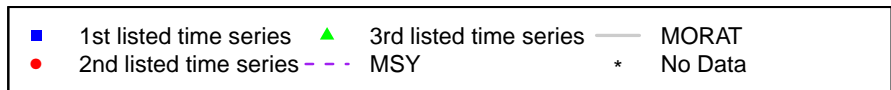
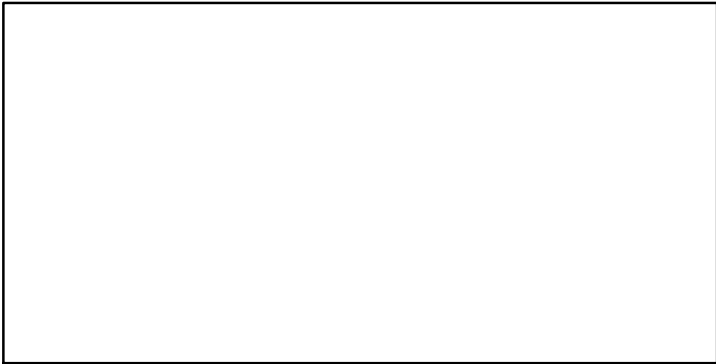
Grey gurnard IIIa, VIId and North Sea [GGURNIIIa-IV-VIId]

TL-MT, TC*, RecC* (1983-2016-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Greenland halibut V-VI-XII-XIV [GHALV-VI-XII-XIV]

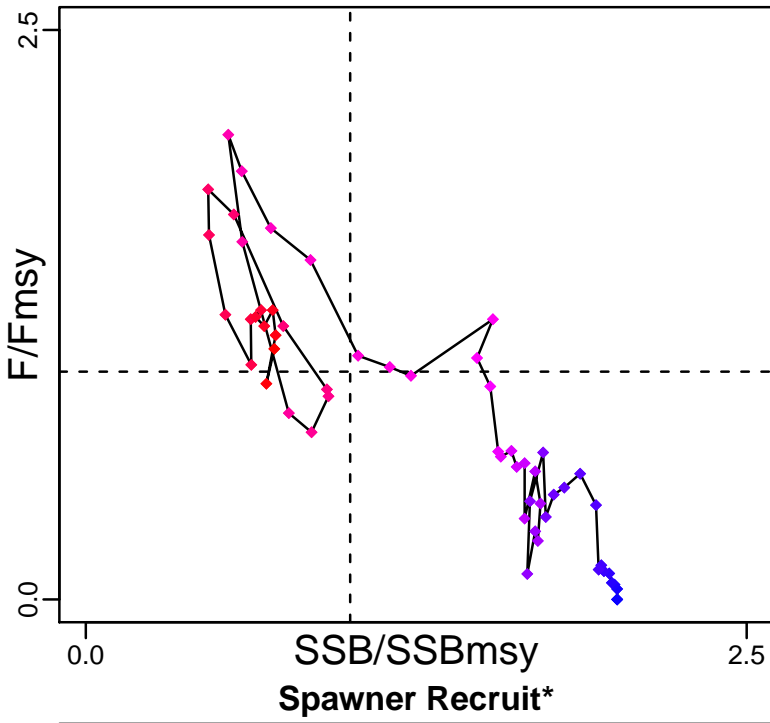
Metadata	
Scientific Name	Reinhardtius hippoglossoides
Current Assess ID	NWWG-GHALV-VI-XII-XIV-1960-2016-ICESIMP2016
Area	V-VI-XII-XIV
Management Authority	International Council for the Exploration of the Sea
Assessor	North-Western Working Group
Asmts in RAM	2012, 2013, 2014, 2015, 2016

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

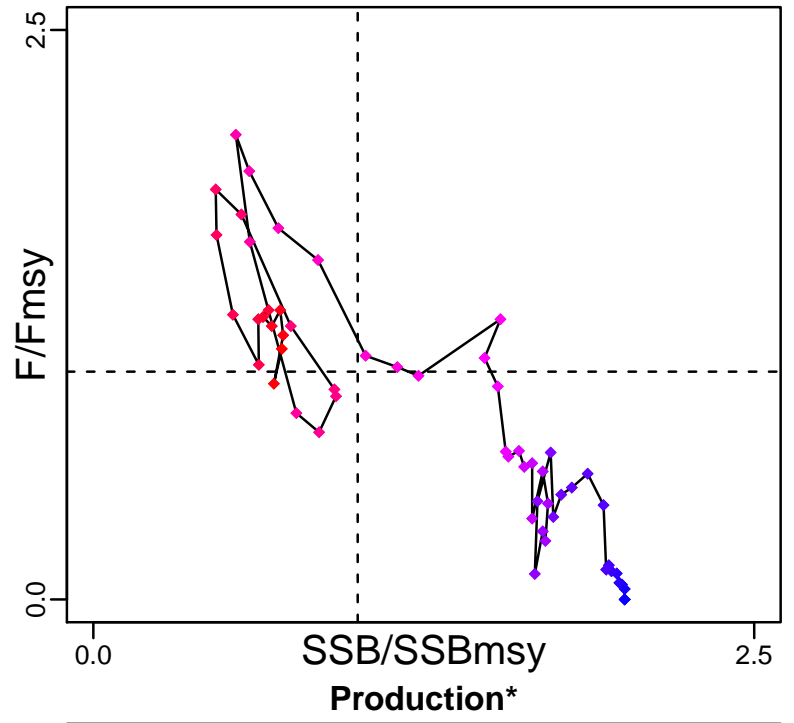
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	25,700		
TL	TL-MT	2016	25,700		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2016	0.73		
F/Fmsy	FdivFmsy-dimensionless	2016	1.1		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Greenland halibut V–VI–XII–XIV [GHALV–VI–XII–XIV]

Kobe MSYpref (1960–2016–ICESIMP2016)



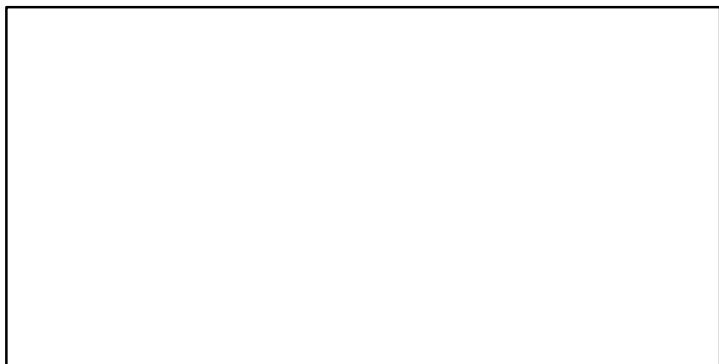
Kobe MGTpref (1960–2016–ICESIMP2016)



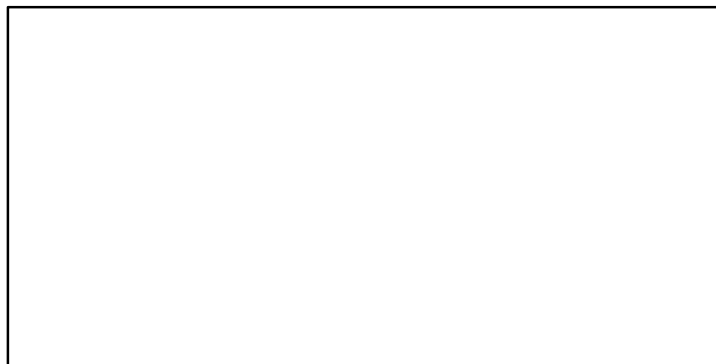
◆ Start Year ◆ End Year * No Data

Greenland halibut V–VI–XII–XIV [GHALV–VI–XII–XIV]

TB*



SSB*



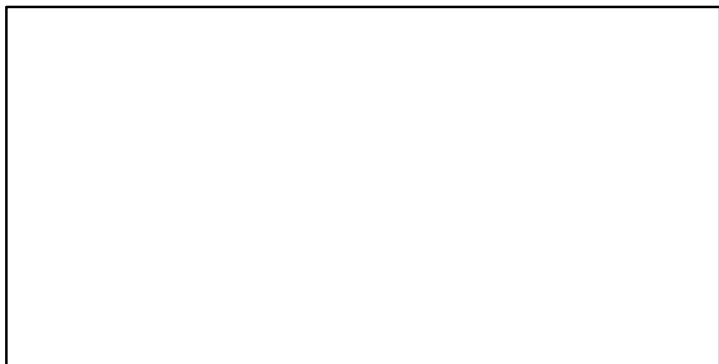
TN *



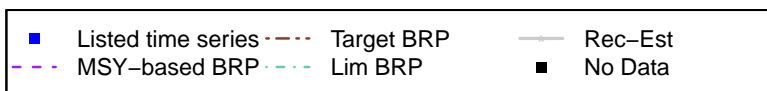
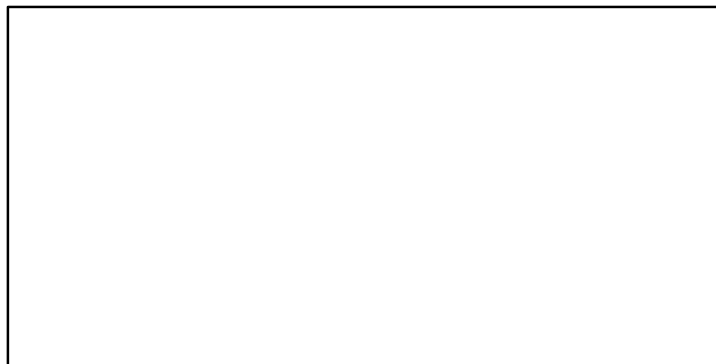
F*



ER*

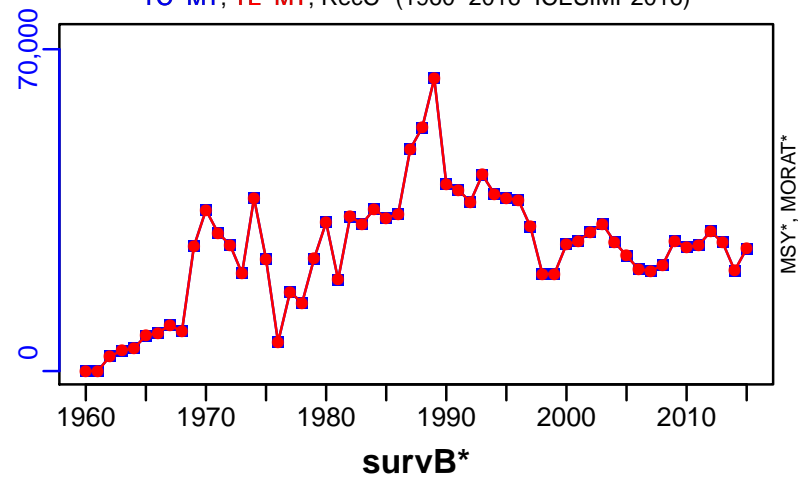


Recruits*

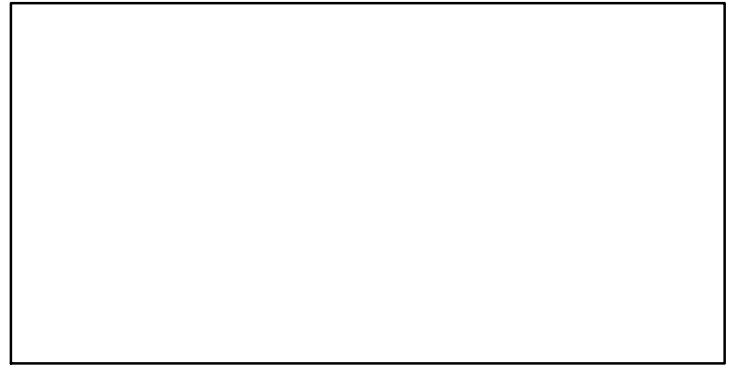


Greenland halibut V-VI-XII-XIV [GHALV-VI-XII-XIV]

TC-MT, TL-MT, RecC* (1960-2016-ICESIMP2016)



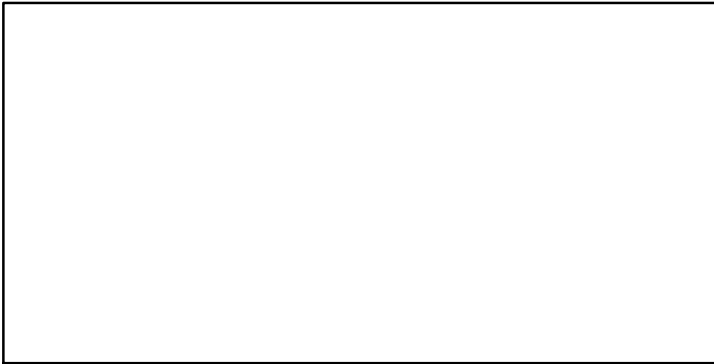
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Golden Redfish V-VI-XII-XIV [GOLDREDV-VI-XII-XIV]

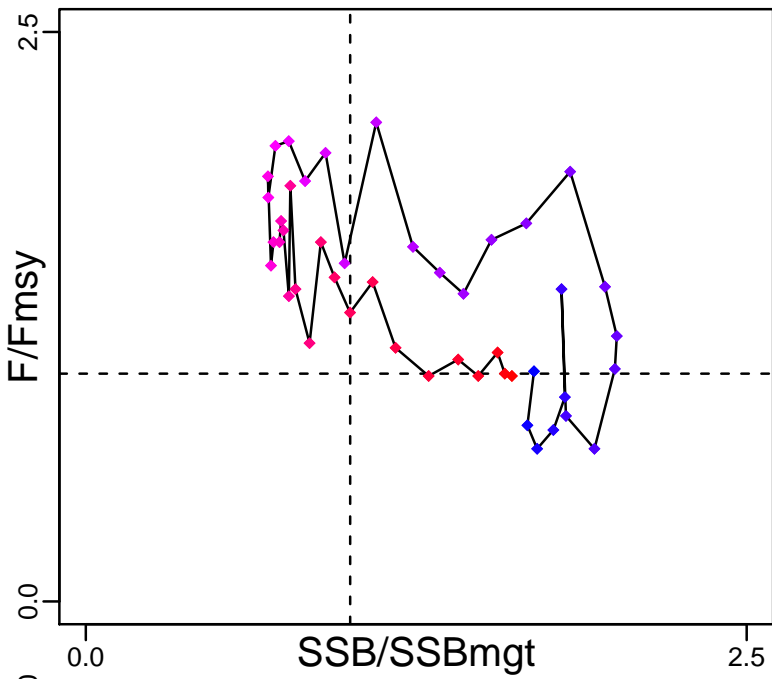
Metadata	
Scientific Name	Sebastes norvegicus
Current Assess ID	NWWG-GOLDREDV-VI-XII-XIV-1971-2016-ICESIMP2016
Area	V-VI-XII-XIV
Management Authority	International Council for the Exploration of the Sea
Assessor	North-Western Working Group
Asmts in RAM	2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.097
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	220,000
Fmgt	Fmgt-1/yr	2016	0.097
ERMgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	160,000
Flim	Flim-1/yr	2016	0.226
ERlim	-	-	-

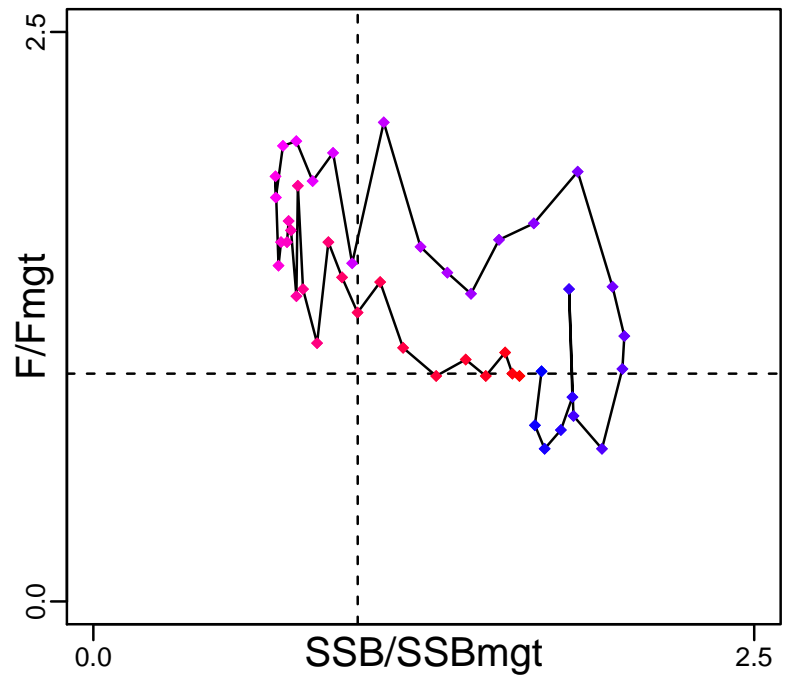
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	528,000	Both	-
SSB	SSB-MT	2016	355,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	5.4×10^7	-	0
F	F-1/yr	2016	0.096	-	-
ER	ER-calc-ratio	2016	0.095	-	-
TC	TC-MT	2016	51,600		
TL	TL-MT	2016	51,600		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.99		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.613		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.99		
ER/ERMgt	-	-	-		

Golden Redfish V-VI-XII-XIV [GOLDREDV-VI-XII-XIV]

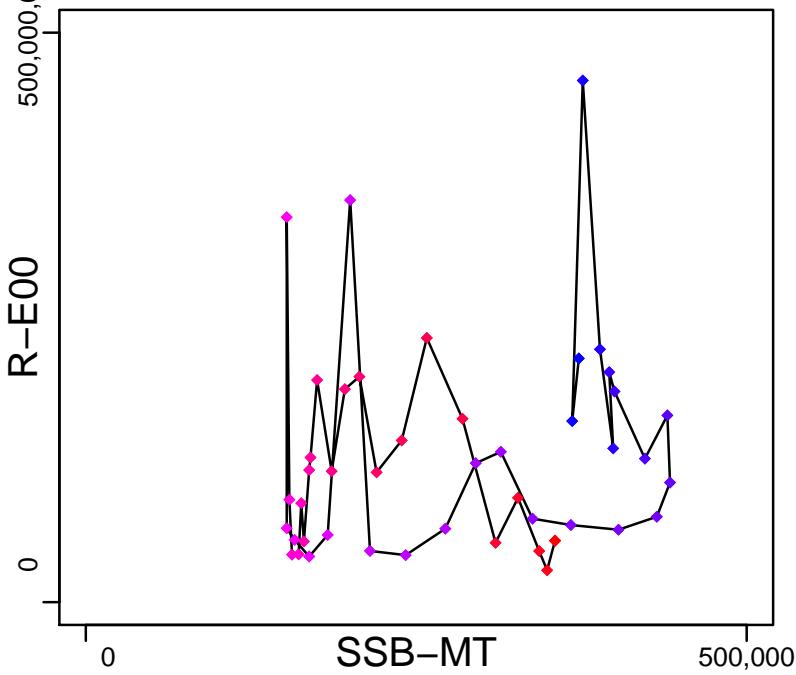
Kobe MSYpref (1971-2016-ICESIMP2016)



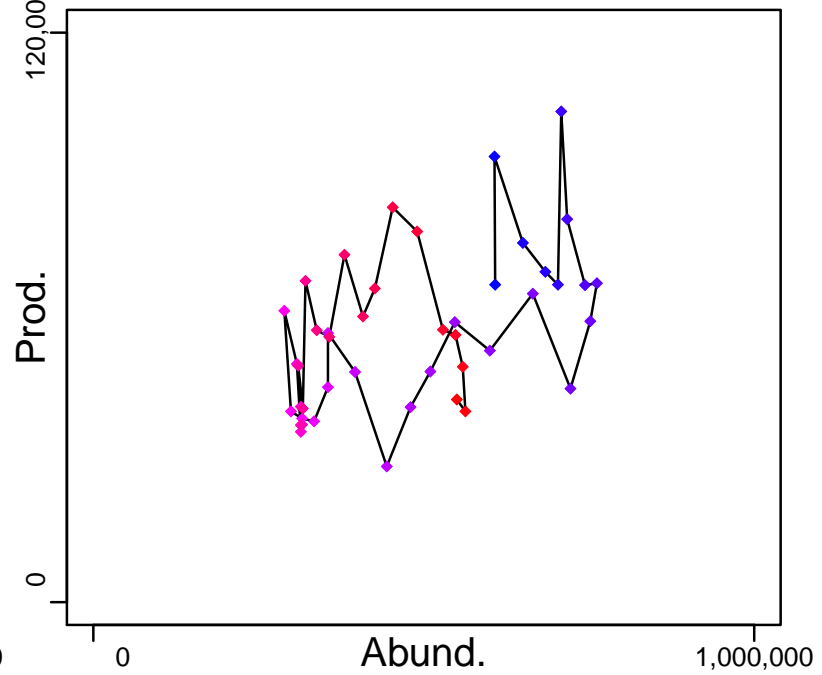
Kobe MGTpref (1971-2016-ICESIMP2016)



Spawner Recruit (1971-2016-ICESIMP2016)



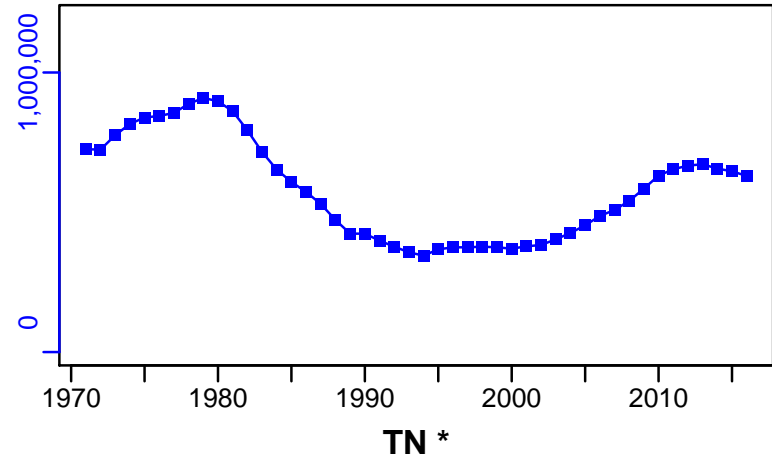
Production (1971-2016-ICESIMP2016)



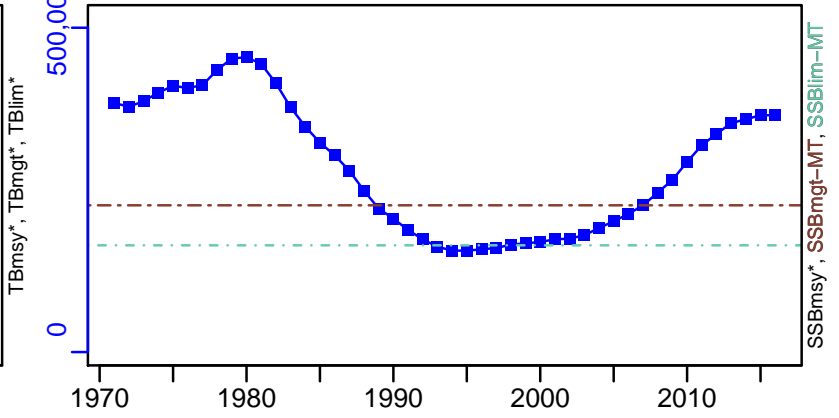
◆ Start Year ◆ End Year * No Data

Golden Redfish V-VI-XII-XIV [GOLDREDV-VI-XII-XIV]

TB-MT (1971-2016-ICESIMP2016)

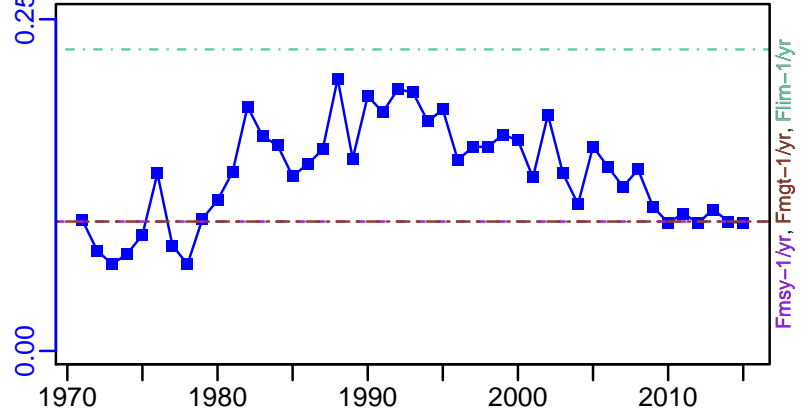
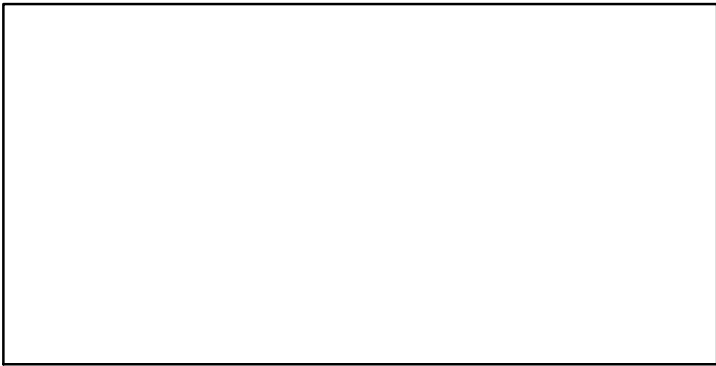


SSB-MT (1971-2016-ICESIMP2016)

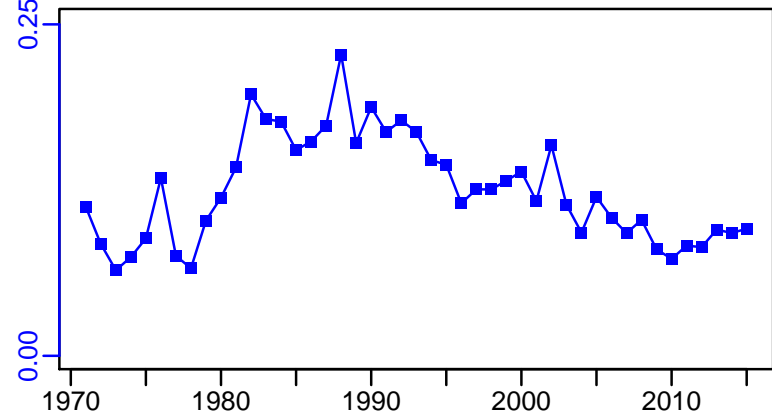


TN *

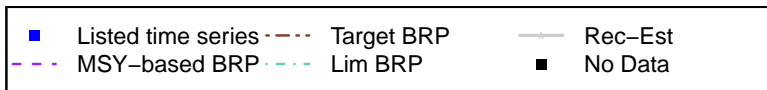
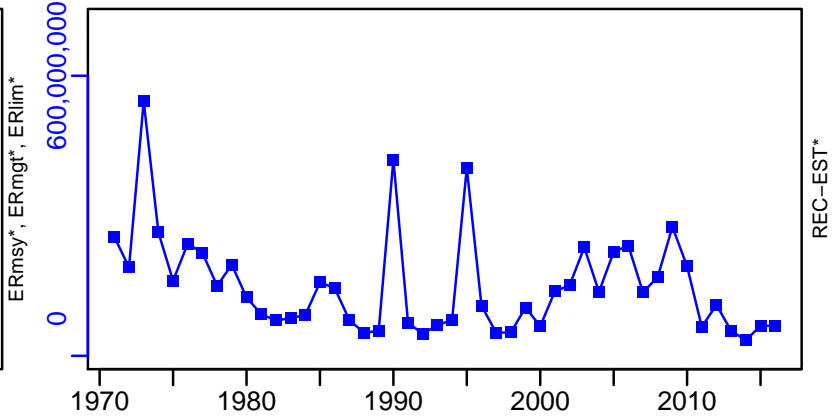
F-1/yr (1971-2016-ICESIMP2016)



ER-calc-ratio (1971-2016-ICESIMP2016)



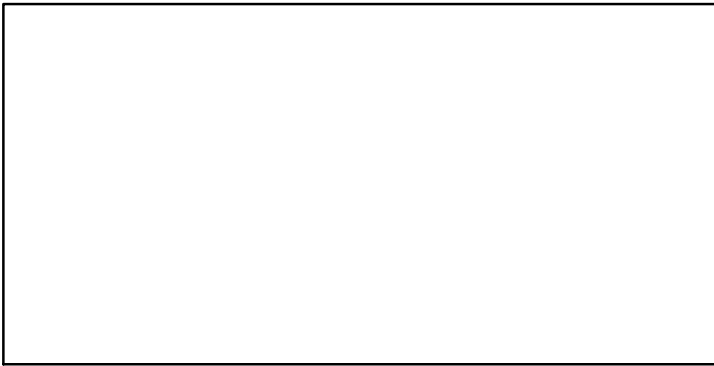
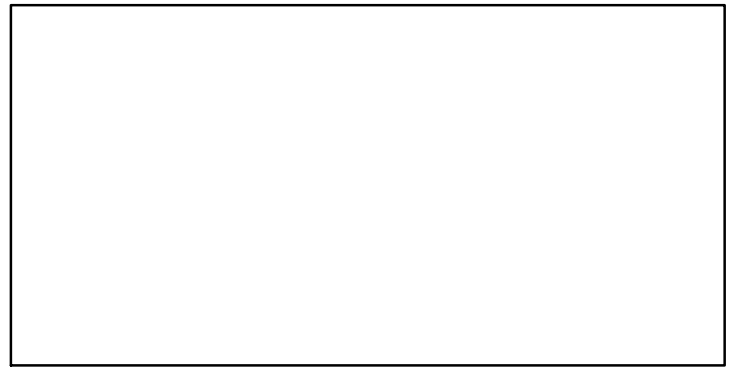
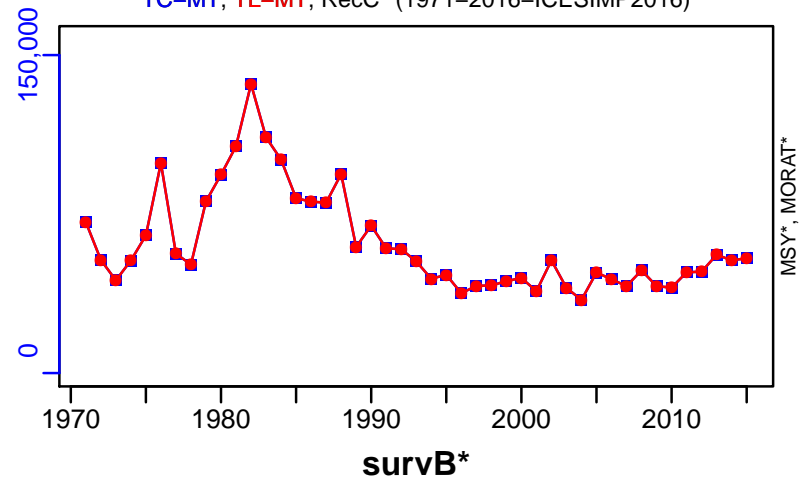
R-E00 (1971-2016-ICESIMP2016)



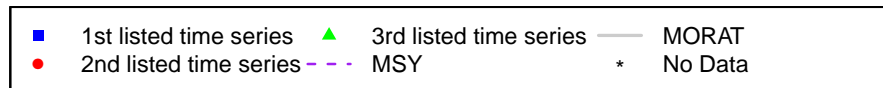
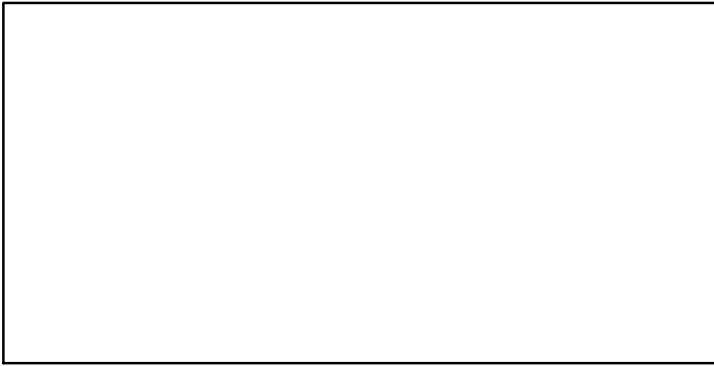
Golden Redfish V-VI-XII-XIV [GOLDREDV-VI-XII-XIV]

TC-MT, TL-MT, RecC* (1971-2016-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*

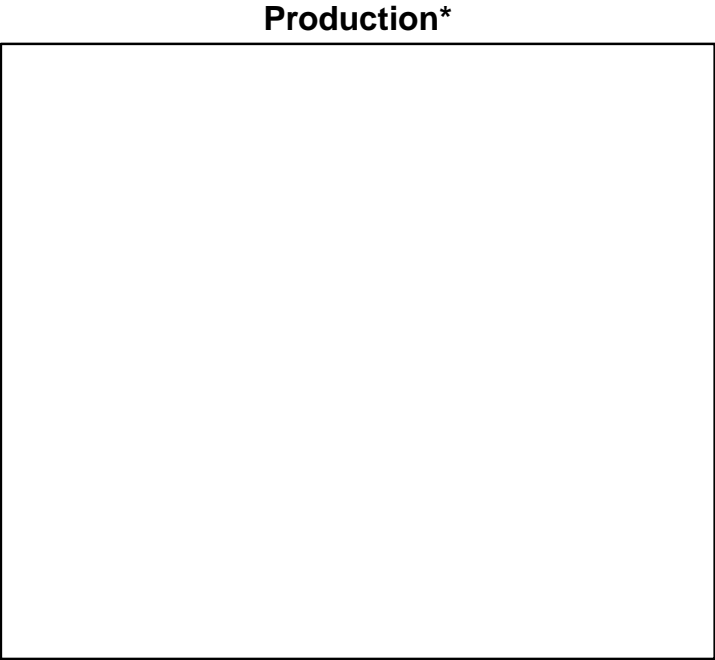
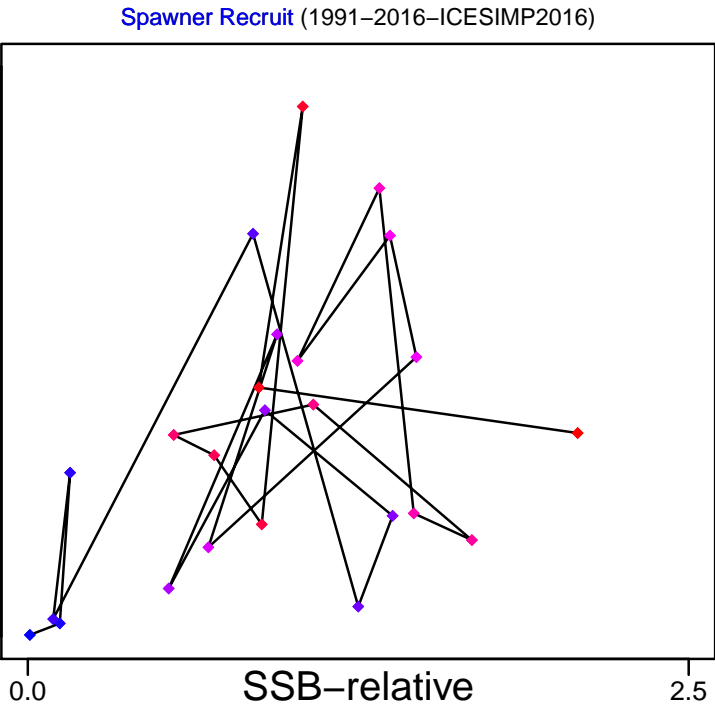
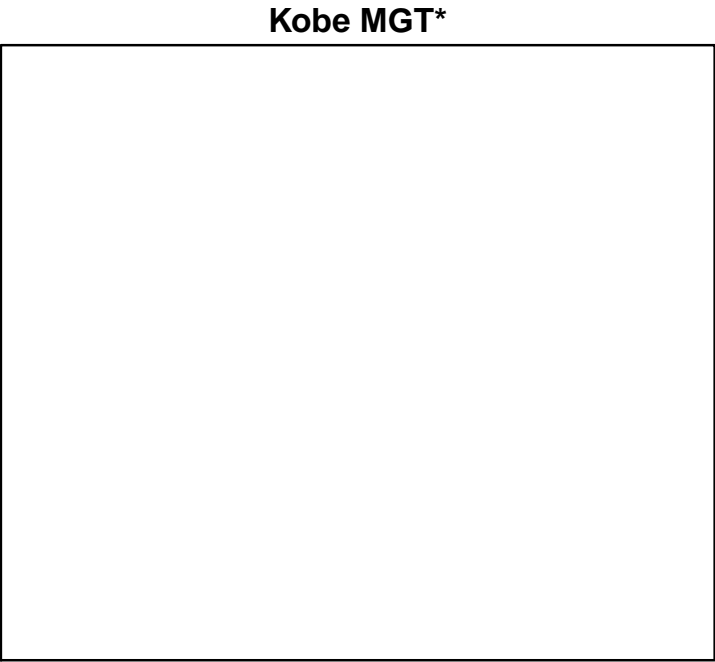
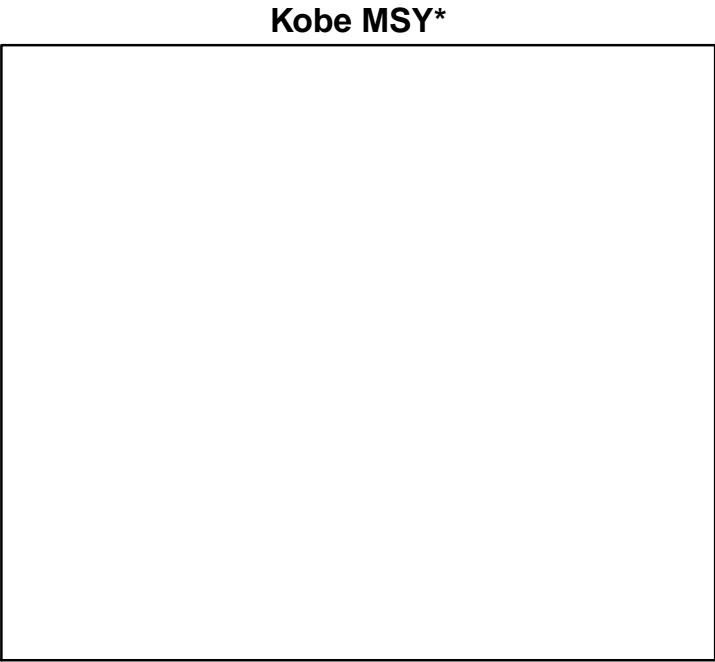


Haddock Irish Sea [HADIS]

Metadata	
Scientific Name	Melanogrammus aeglefinus
Current Assess ID	WGCSE-HADIS-1991-2016-ICESIMP2016
Area	Irish Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2014, 2015, 2016, 2012

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

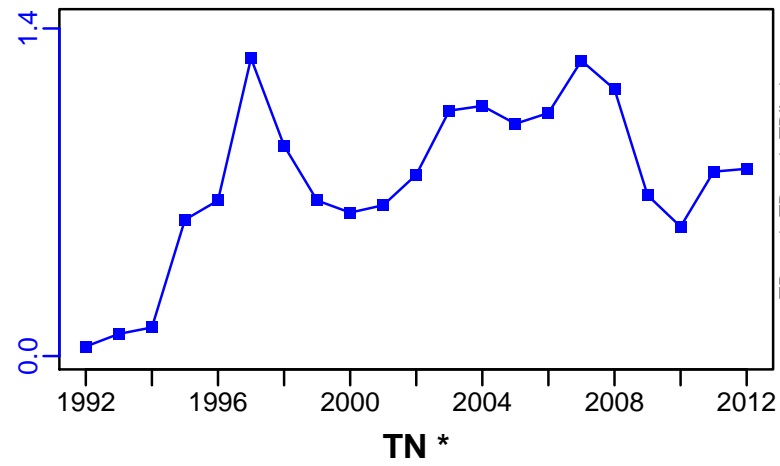
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-relative	2012	0.786	Both	-
SSB	SSB-relative	2016	2.53	Both	-
TN	-	-	-	-	-
R	R-relative	2016	1.07	-	1
F	F-relative	2016	0.859	-	-
ER	-	-	-	-	-
TC	TC-MT	2015	1010		
TL	TL-MT	2016	832		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



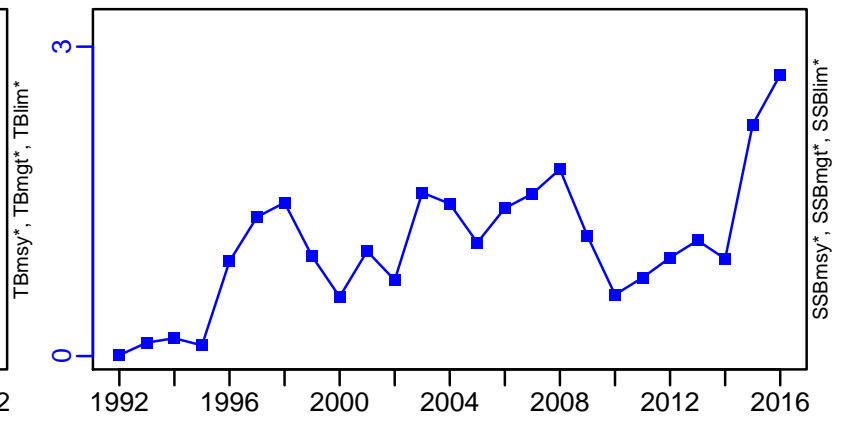
◆ Start Year ◆ End Year * No Data

Haddock Irish Sea [HADIS]

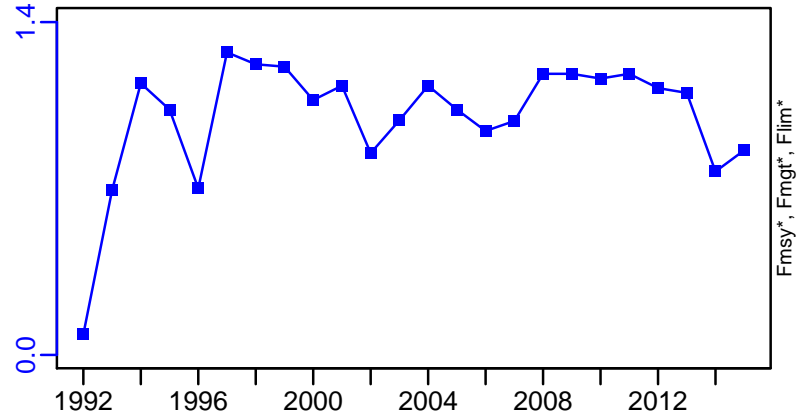
TB-relative (1972–2012–CHING)



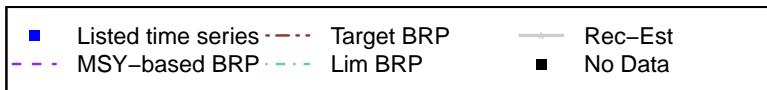
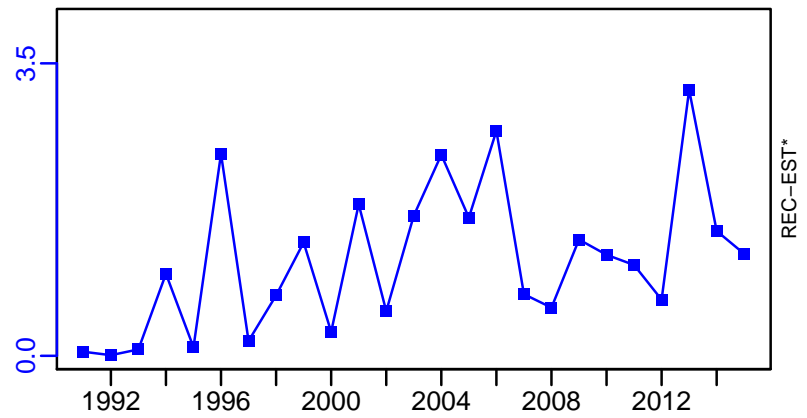
SSB-relative (1991–2016–ICESIMP2016)



F-relative (1991–2016–ICESIMP2016)

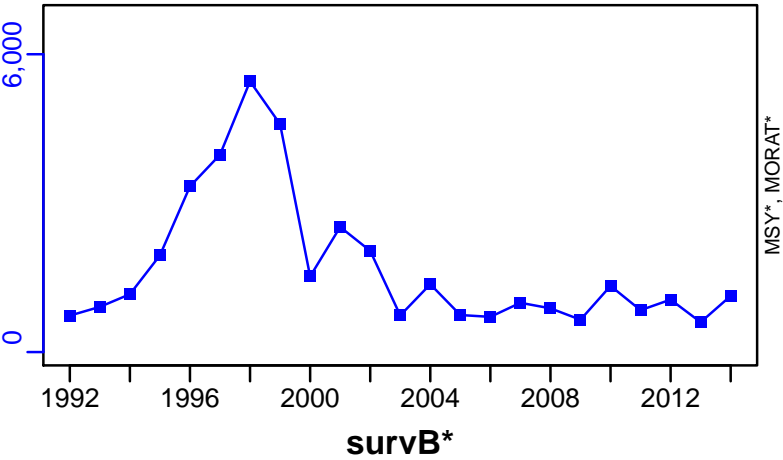


R-relative (1991–2016–ICESIMP2016)

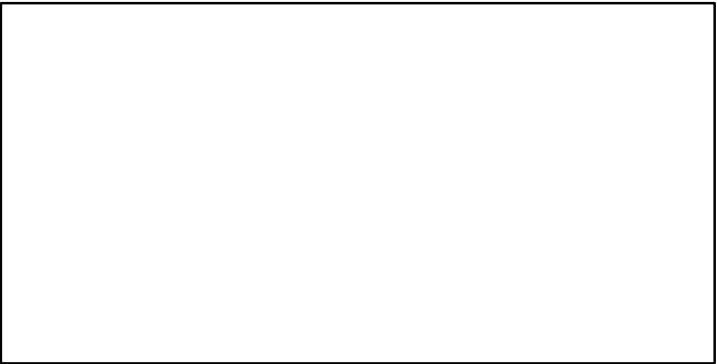


Haddock Irish Sea [HADIS]

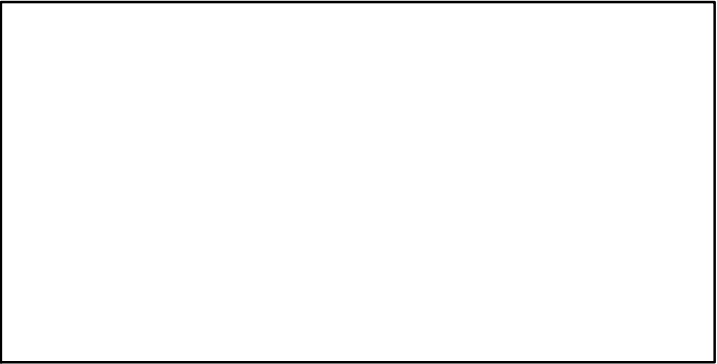
TC-MT, TL*, RecC* (1991-2015-ICESIMP2016)



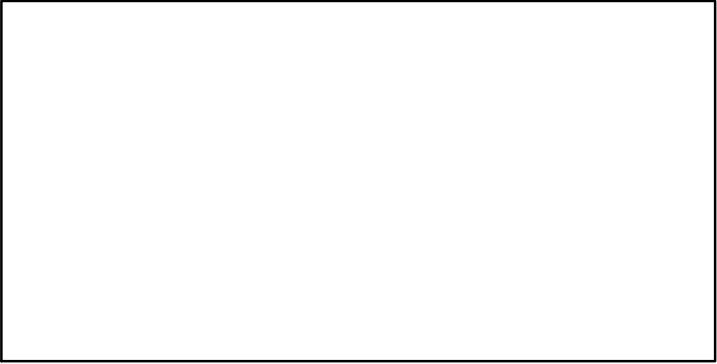
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Haddock North Sea and IIIa-VIa [HADNS-IIIa-VIa]

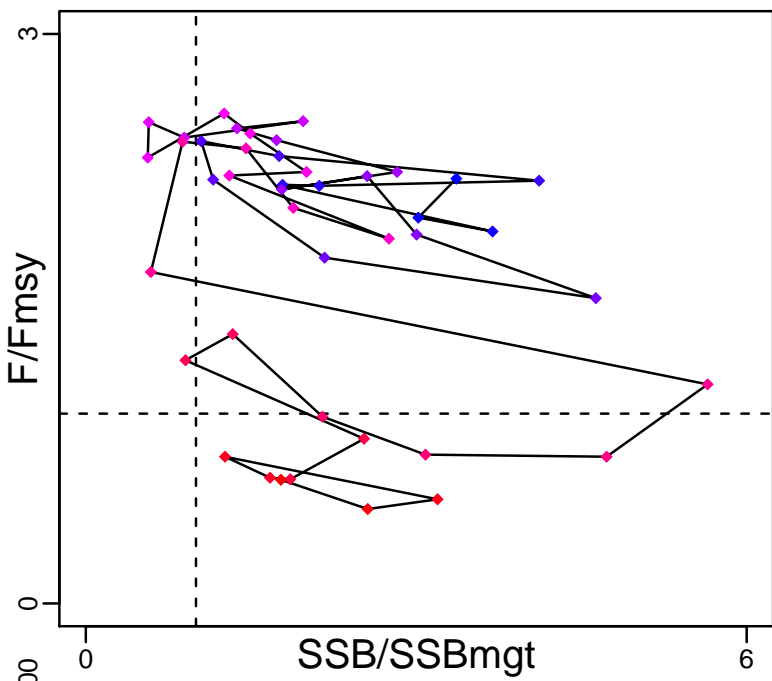
Metadata	
Scientific Name	Melanogrammus aeglefinus
Current Assess ID	WGNSSK-HADNS-IIIa-VIa-1972-2015-ICESIMP2016
Area	North Sea and IIIa-VIa
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2014, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2015	0.37
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2015	88,000
Fmgt	Fmgt-1/yr	2015	0.37
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2015	63,000
Flim	-	-	-
ERlim	-	-	-

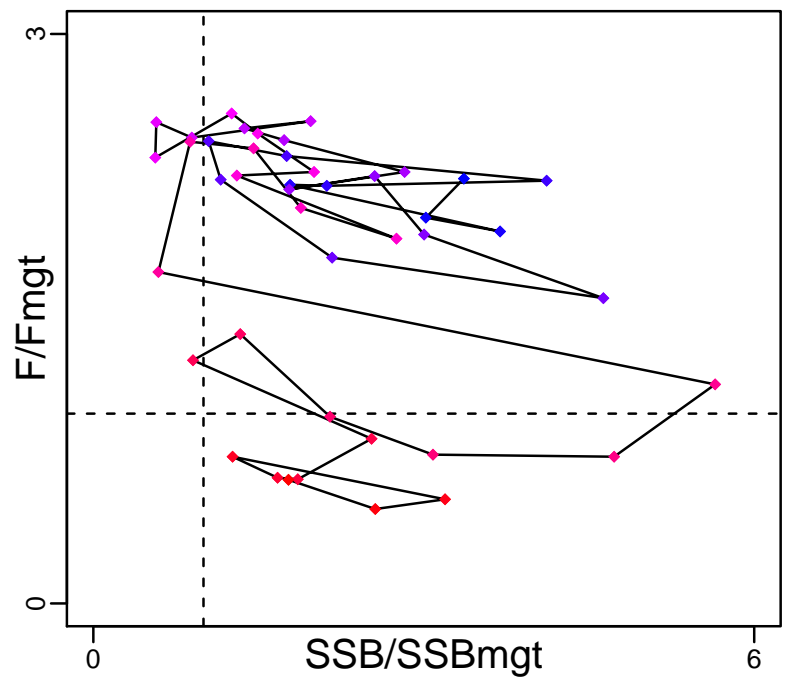
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	501,000	Both	-
SSB	SSB-MT	2015	146,000	Both	-
TN	-	-	-	-	-
R	R-E00	2015	1.21×10^9	-	0
F	F-1/yr	2015	0.241	-	-
ER	ER-calc-ratio	2015	0.1	-	-
TC	TC-MT	2015	46,300		
TL	TL-MT	2015	39,800		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.651		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	1.655		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.651		
ER/ERmgt	-	-	-		

Haddock North Sea and Illa-Via [HADNS-Illa-Via]

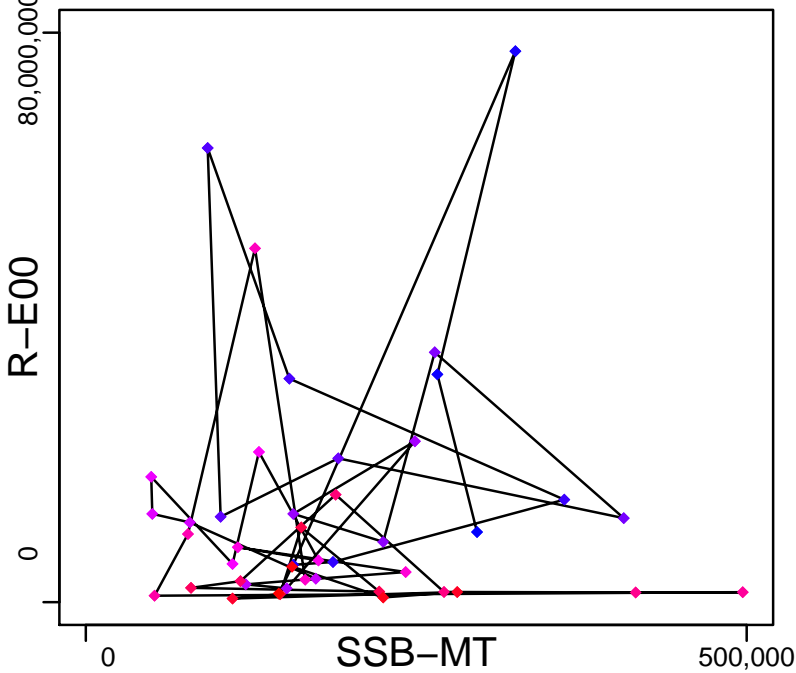
Kobe MSYpref (1972–2015–ICESIMP2016)



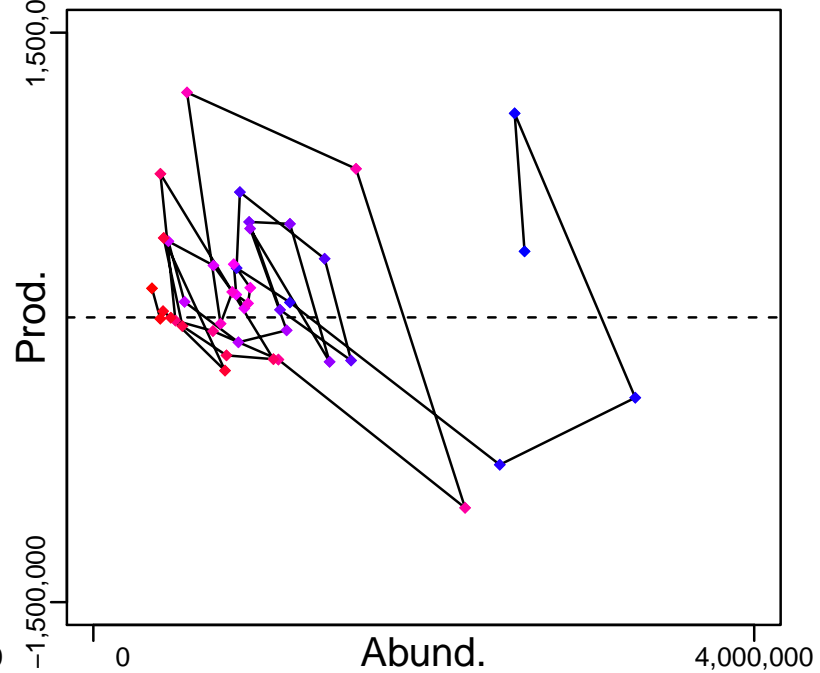
Kobe MGTpref (1972–2015–ICESIMP2016)



Spawner Recruit (1972–2015–ICESIMP2016)



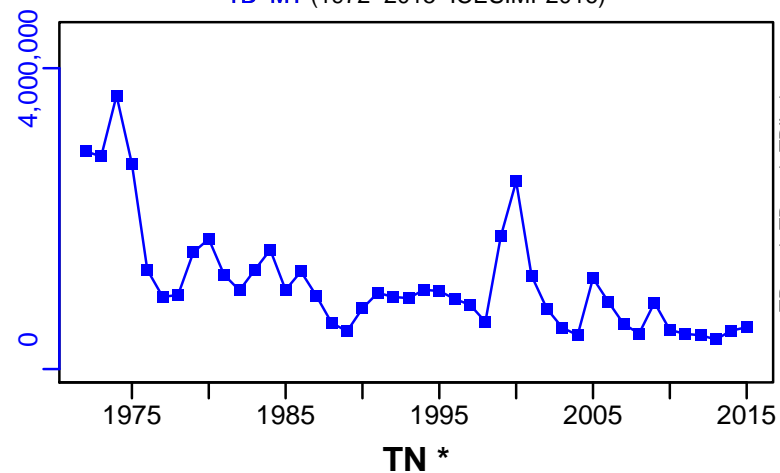
Production (1972–2015–ICESIMP2016)



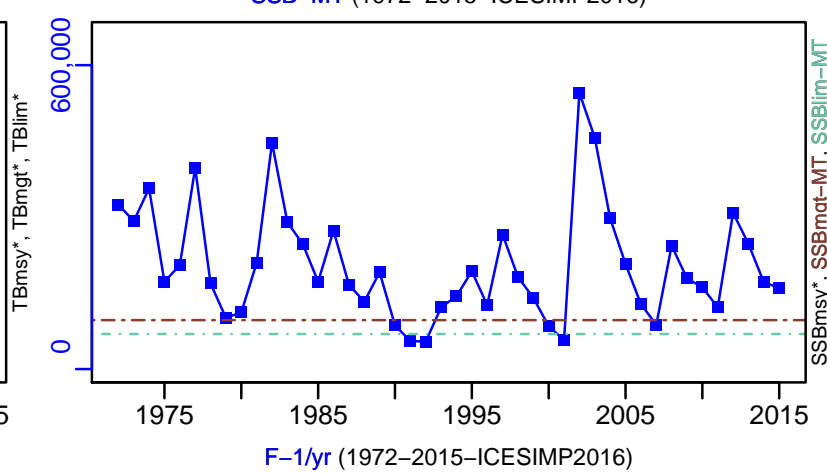
◆ Start Year ◆ End Year * No Data

Haddock North Sea and Illa-Via [HADNS-Illa-Via]

TB-MT (1972–2015–ICESIMP2016)



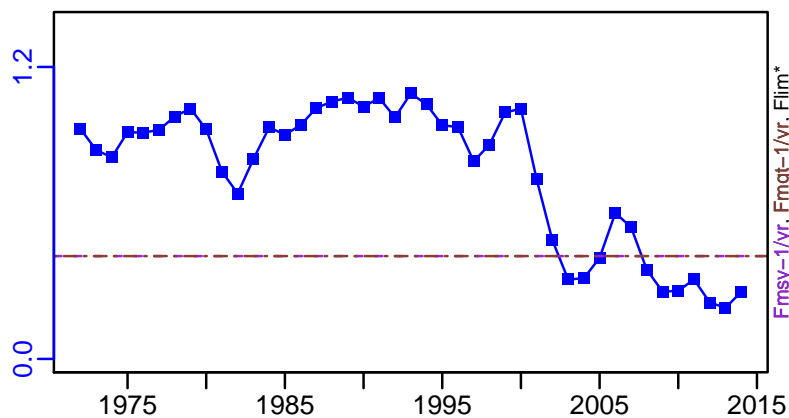
SSB-MT (1972–2015–ICESIMP2016)



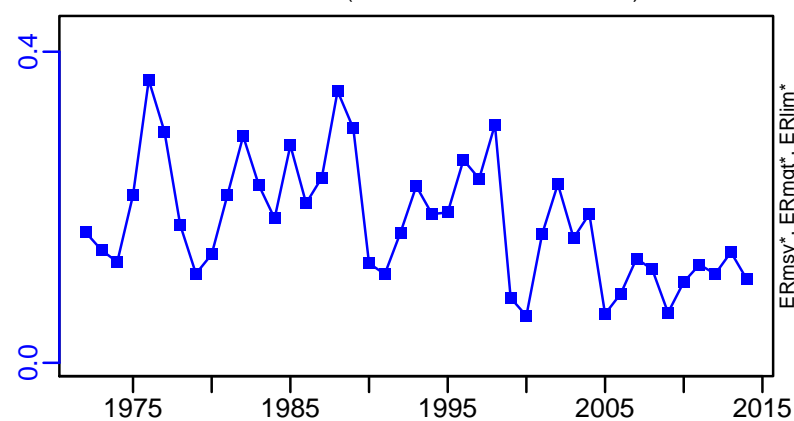
TN *



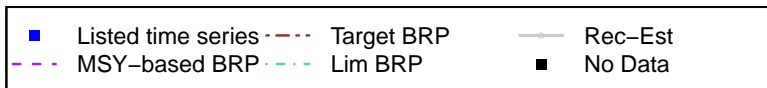
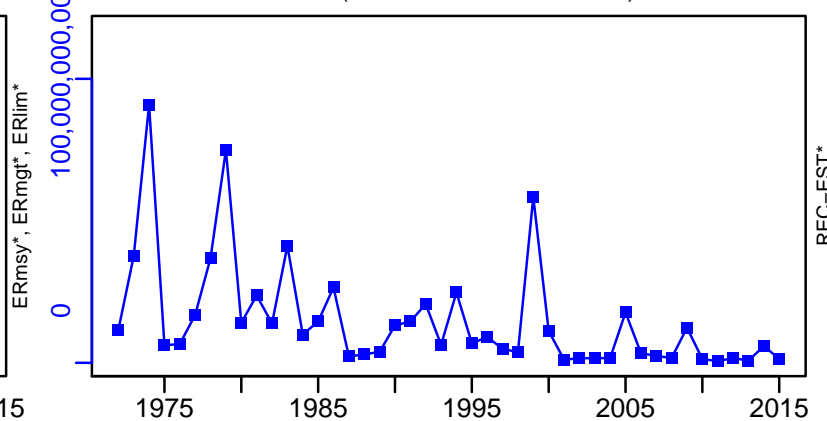
F-1/yr (1972–2015–ICESIMP2016)



ER-calc-ratio (1972–2015–ICESIMP2016)

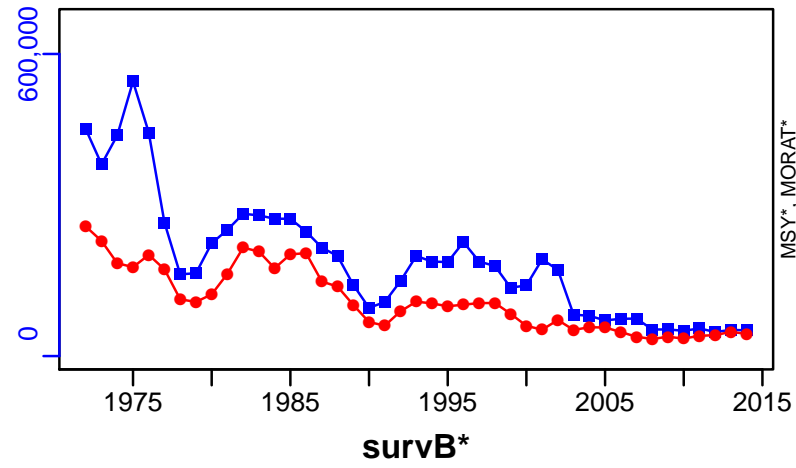


R-E00 (1972–2015–ICESIMP2016)



Haddock North Sea and Illa-Via [HADNS-Illa-Via]

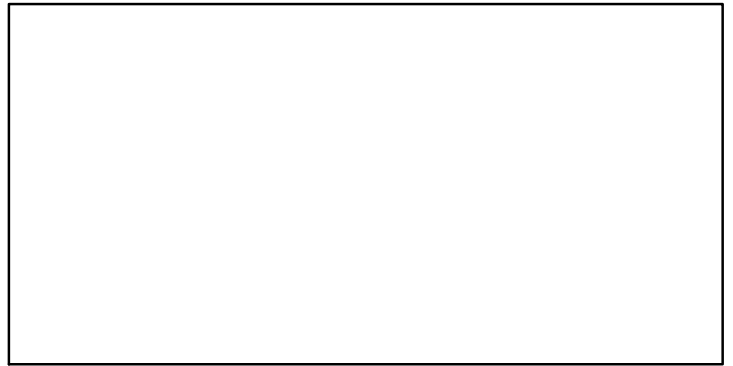
TC-MT, TL-MT, RecC* (1972–2015–ICESIMP2016)



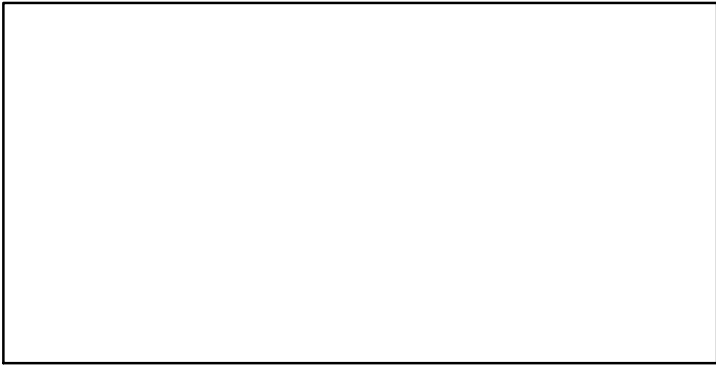
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Haddock Rockall Bank [HADROCK]

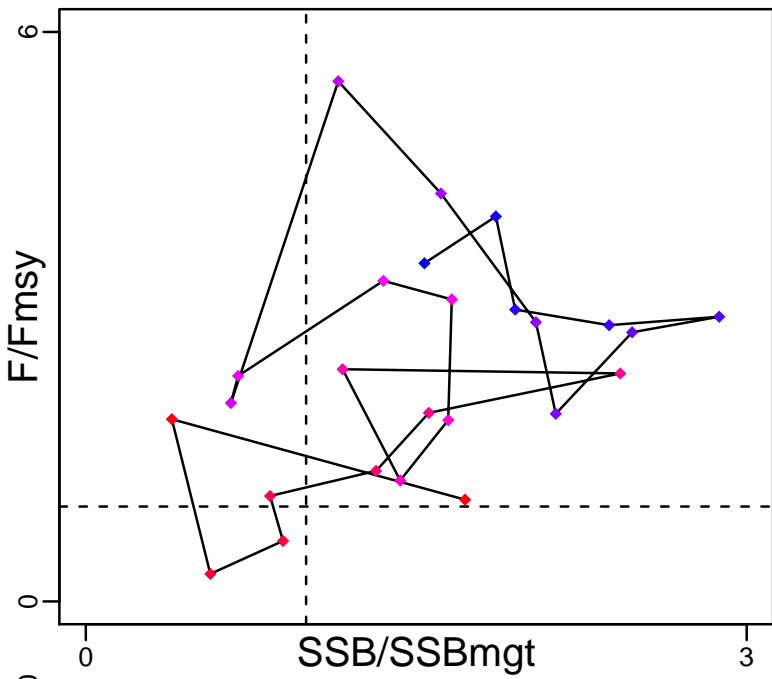
Metadata	
Scientific Name	Melanogrammus aeglefinus
Current Assess ID	WGCSE-HADROCK-1990-2016-ICESIMP2016
Area	Rockall Bank
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2013, 2014, 2015, 2016, 2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.2
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	10,200
Fmgt	Fmgt-1/yr	2016	0.2
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2012	9000
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	6800
Flim	Flim-1/yr	2016	0.69
ERlim	-	-	-

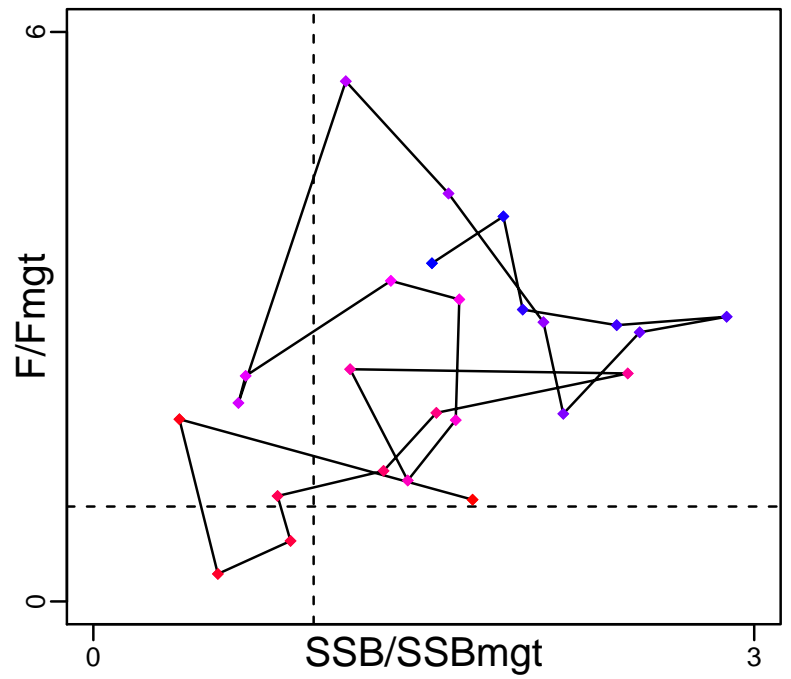
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	28,300	Both	-
SSB	SSB-MT	2016	23,600	Both	-
TN	-	-	-	-	-
R	R-E00	2016	11,300,000	-	1
F	F-1/yr	2016	0.214	-	2 to 5
ER	ER-calc-ratio	2016	0.105	-	-
TC	TC-MT	2016	2970		
TL	TL-MT	2016	2450		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.072		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	2.314		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.072		
ER/ERmgt	-	-	-		

Haddock Rockall Bank [HADROCK]

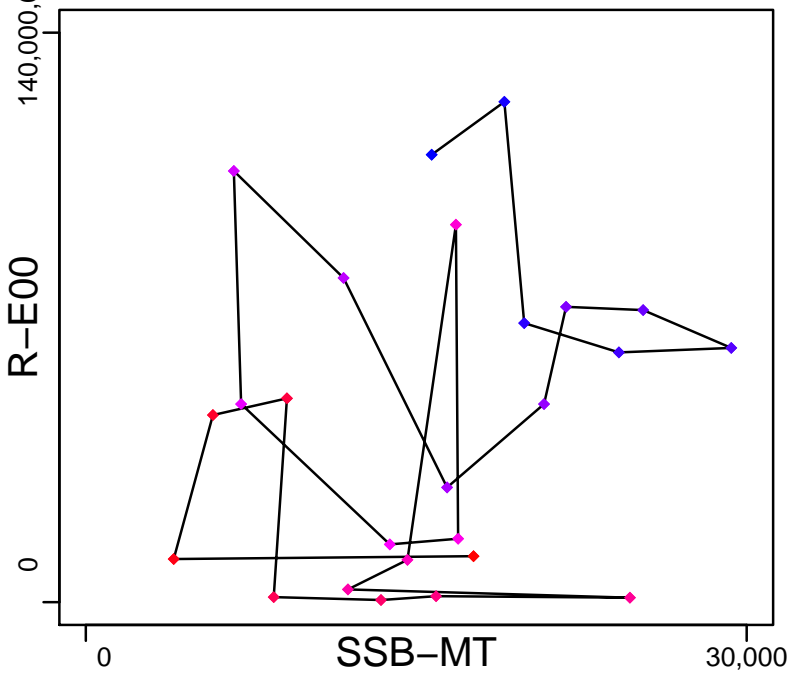
Kobe MSYpref (1990–2016–ICESIMP2016)



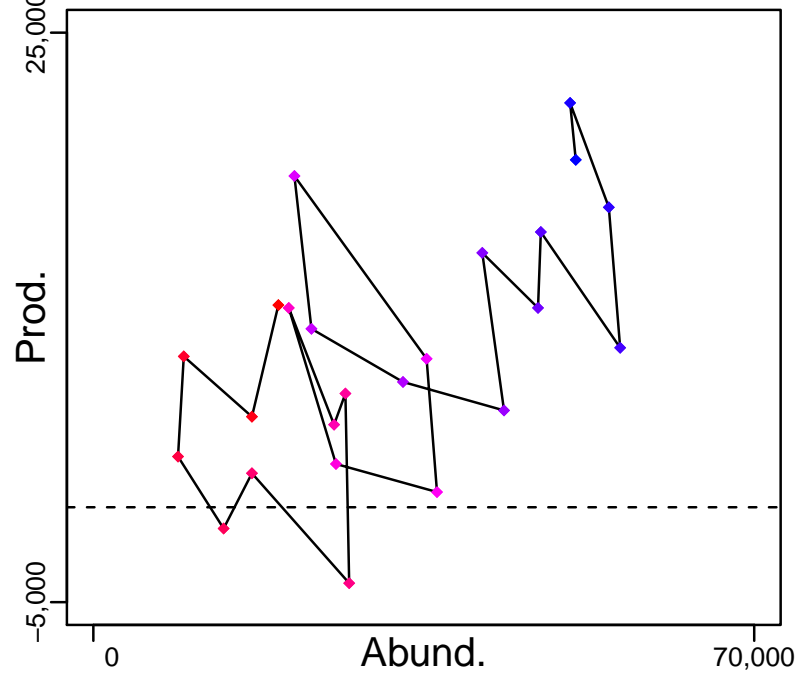
Kobe MGTpref (1990–2016–ICESIMP2016)



Spawner Recruit (1990–2016–ICESIMP2016)



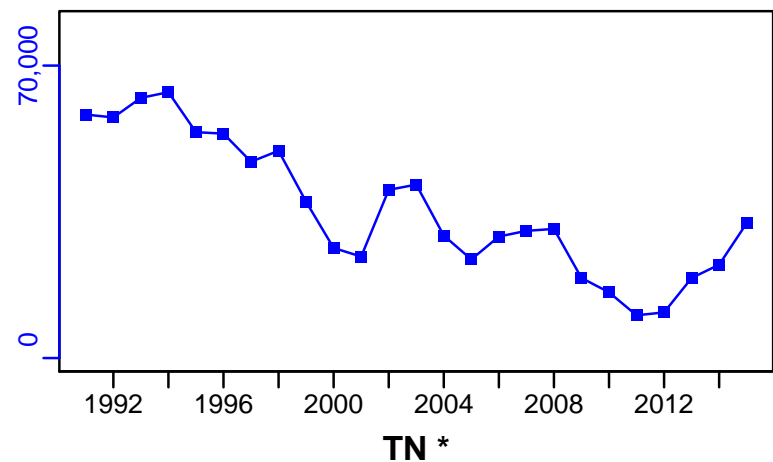
Production (1990–2016–ICESIMP2016)



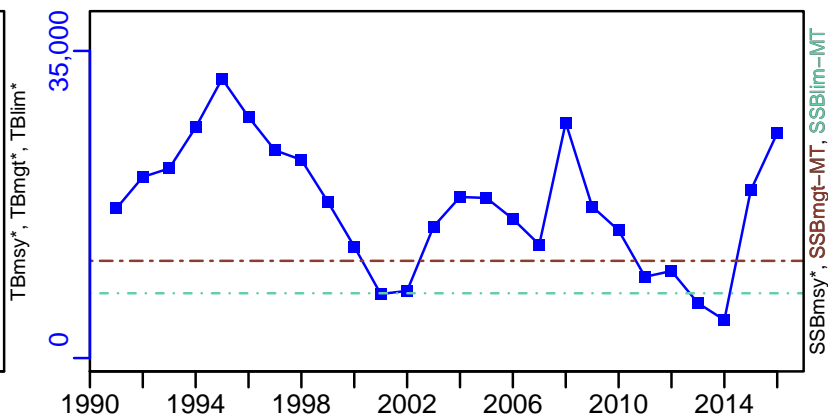
◆ Start Year ◆ End Year * No Data

Haddock Rockall Bank [HADROCK]

TB-MT (1990–2016–ICESIMP2016)



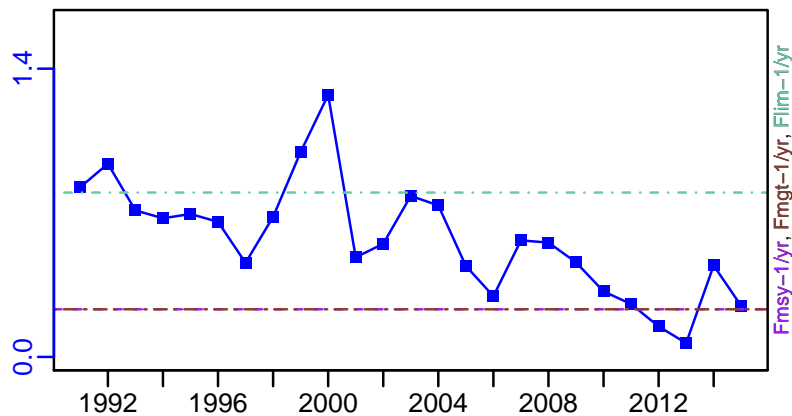
SSB-MT (1990–2016–ICESIMP2016)



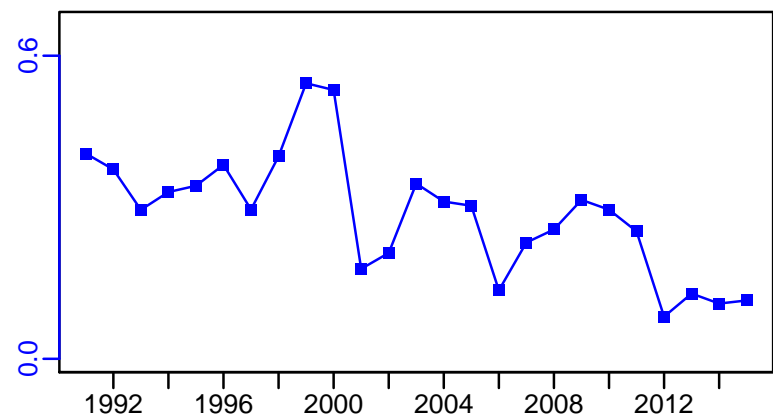
TN *



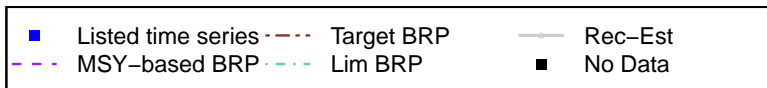
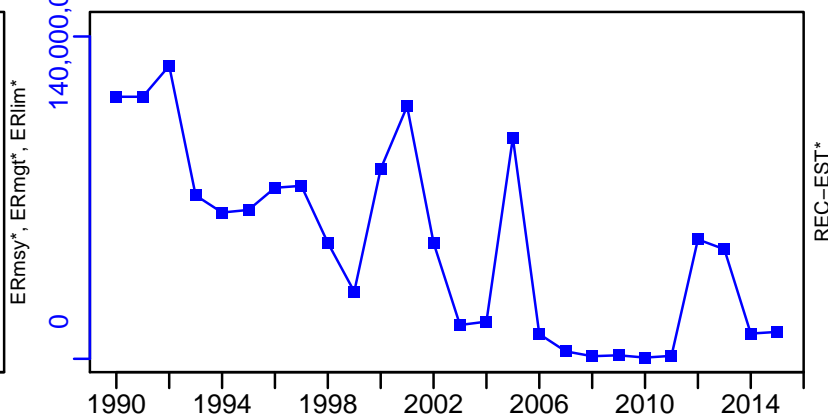
F-1/yr (1990–2016–ICESIMP2016)



ER-calc-ratio (1990–2016–ICESIMP2016)

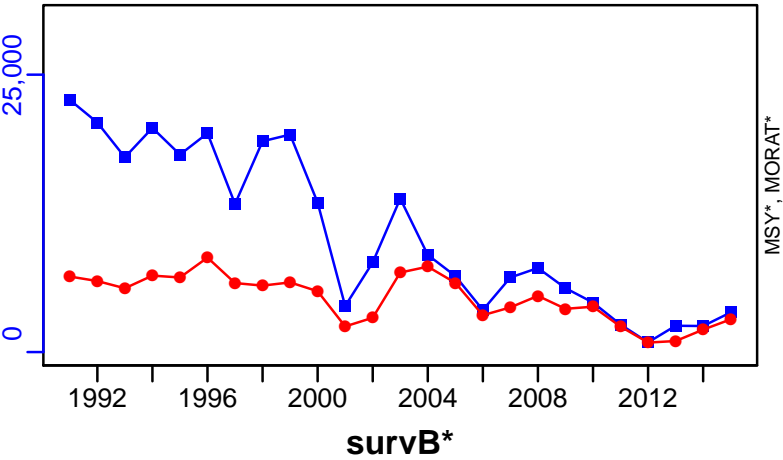


R-E00 (1990–2016–ICESIMP2016)



Haddock Rockall Bank [HADROCK]

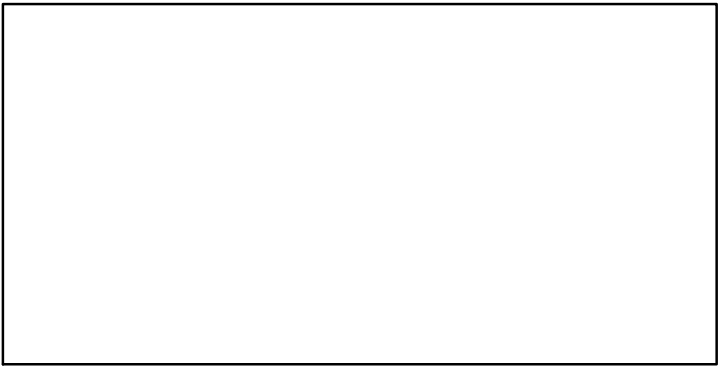
TC-MT, TL-MT, RecC* (1990-2016-ICESIMP2016)



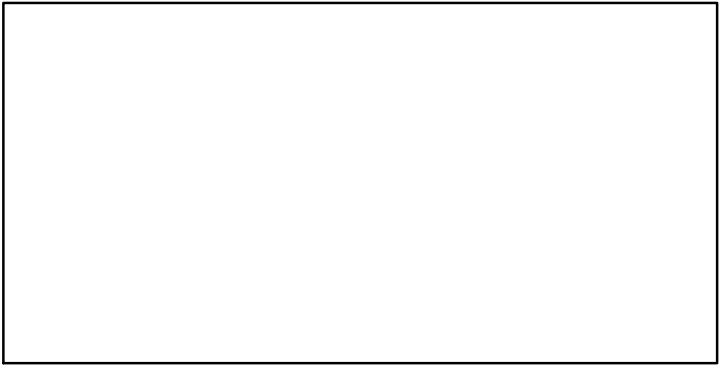
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Haddock ICES VIIb-k [HADVIIb-k]

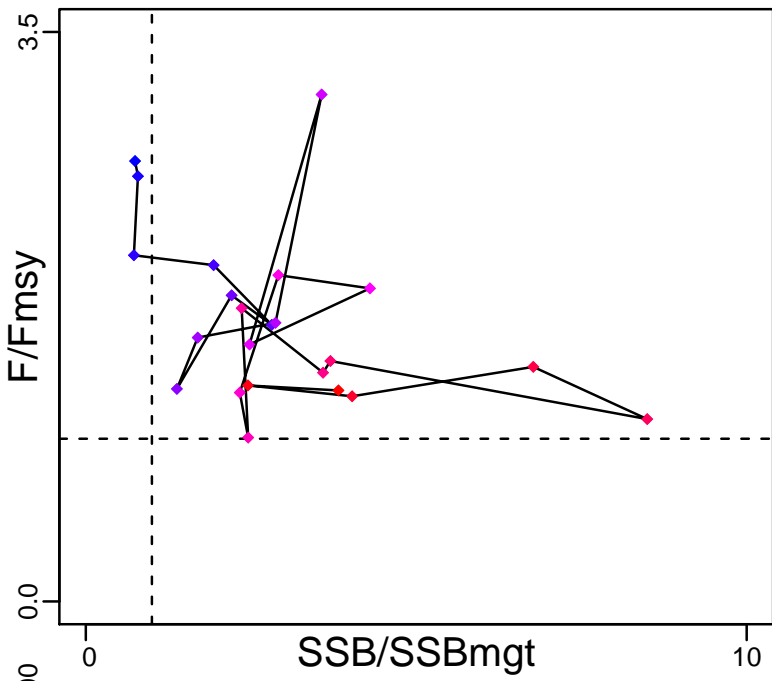
Metadata	
Scientific Name	Melanogrammus aeglefinus
Current Assess ID	WGCSE-HADVIIb-k-1993-2016-ICESIMP2016
Area	ICES VIIb-k
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2013, 2014, 2015, 2016, 2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.4
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	10,000
Fmgt	Fmgt-1/yr	2016	0.4
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	6700
Flim	Flim-1/yr	2016	1.41
ERlim	-	-	-

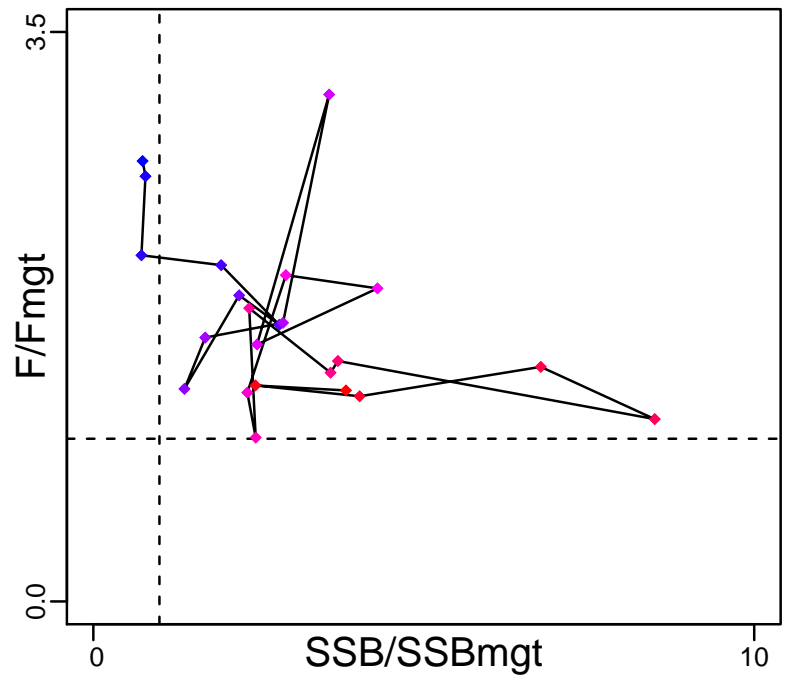
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	67,800	Both	-
SSB	SSB-MT	2016	26,100	Both	-
TN	-	-	-	-	-
R	R-E00	2016	2.66×10^8	-	0
F	F-1/yr	2016	0.519	-	3 to 5
ER	ER-calc-ratio	2016	0.225	-	-
TC	TC-MT	2016	15,200		
TL	TL-MT	2016	8550		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.297		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	2.608		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.297		
ER/ERmgt	-	-	-		

Haddock ICES VIIb-k [HADVIIb-k]

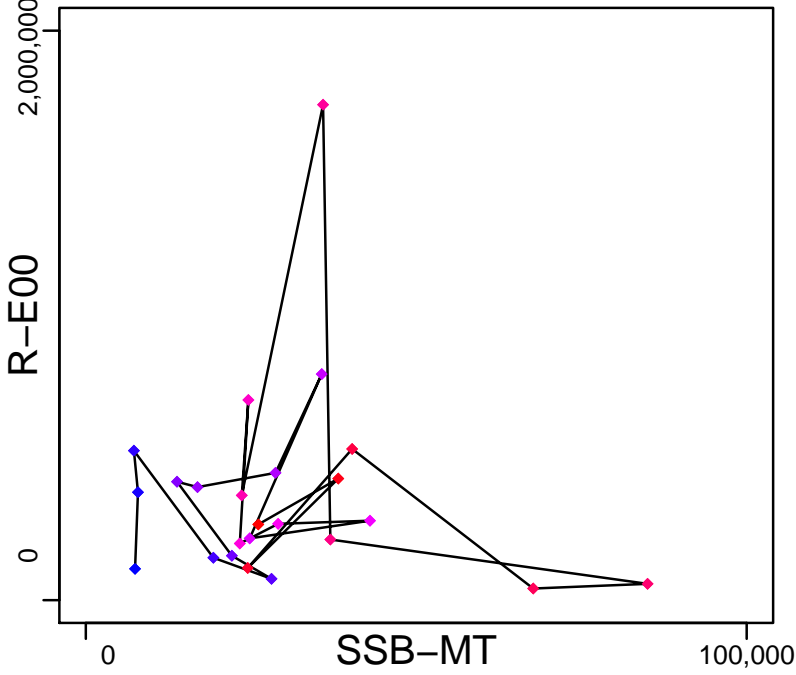
Kobe MSYpref (1993–2016–ICESIMP2016)



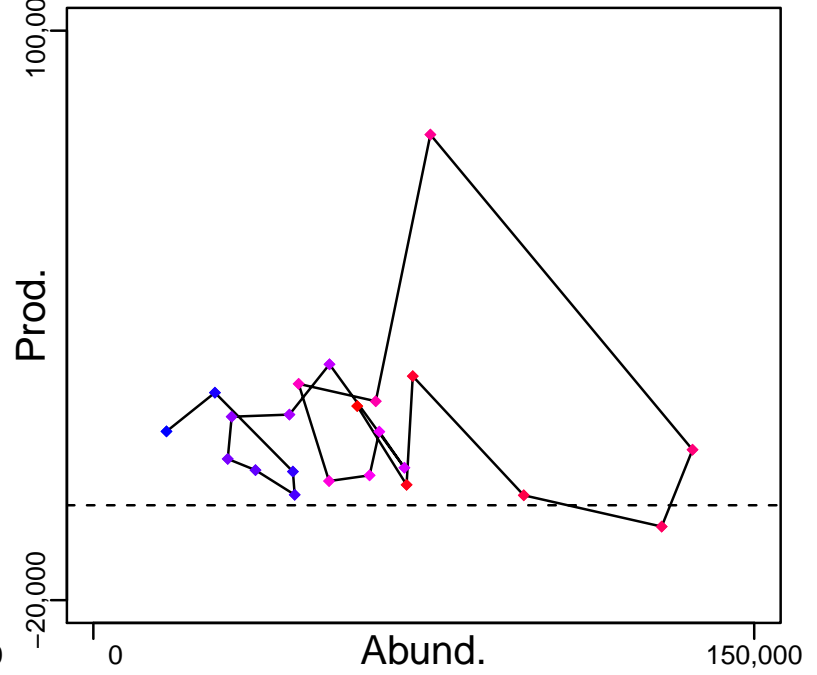
Kobe MGTpref (1993–2016–ICESIMP2016)



Spawner Recruit (1993–2016–ICESIMP2016)



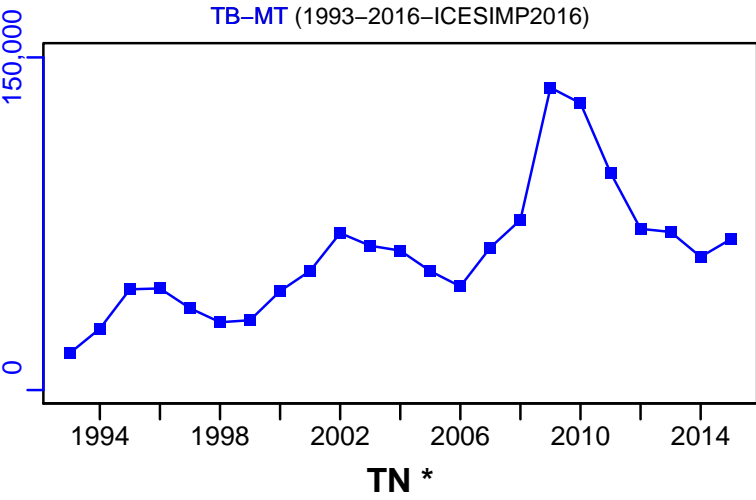
Production (1993–2016–ICESIMP2016)



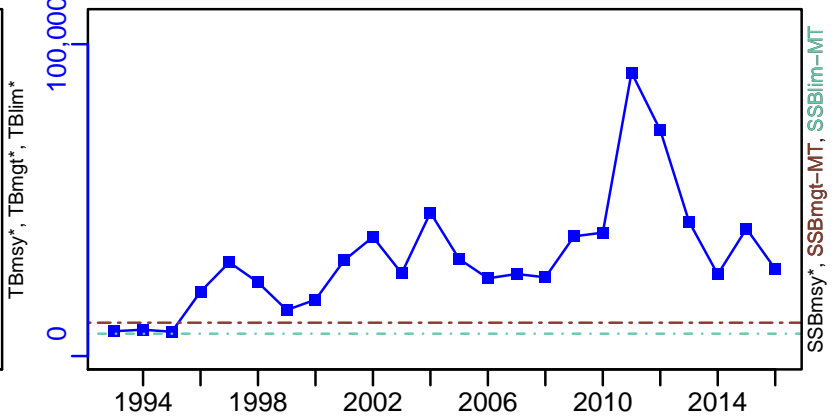
◆ Start Year ◆ End Year * No Data

Haddock ICES VIIb-k [HADVIIb-k]

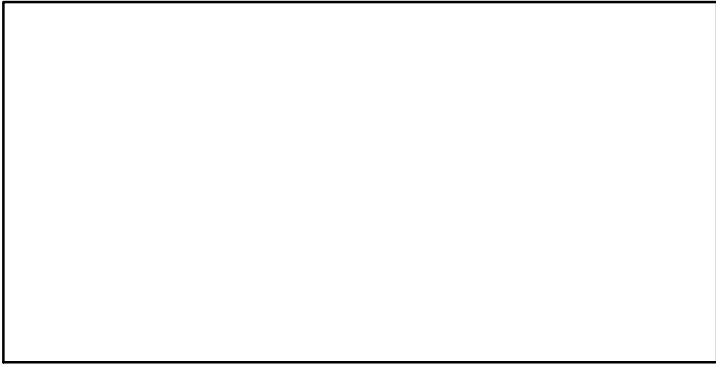
TB-MT (1993–2016–ICESIMP2016)



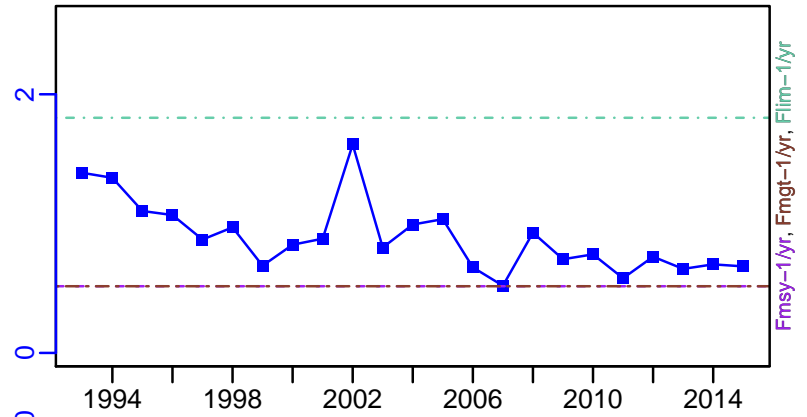
SSB-MT (1993–2016–ICESIMP2016)



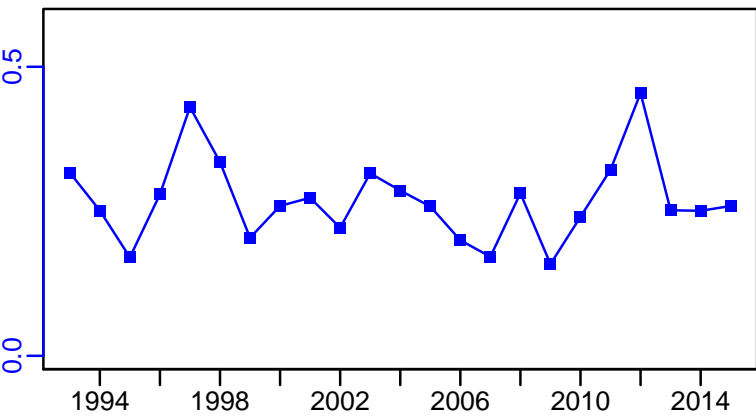
TN *



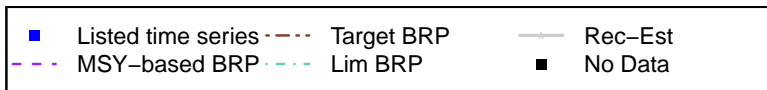
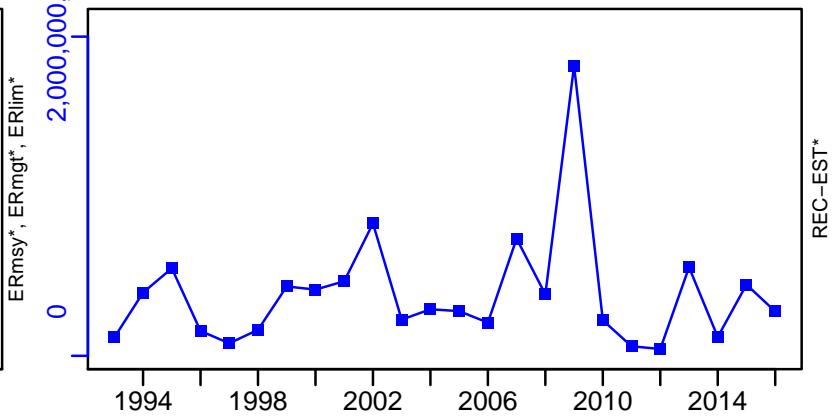
F-1/yr (1993–2016–ICESIMP2016)



ER-calc-ratio (1993–2016–ICESIMP2016)

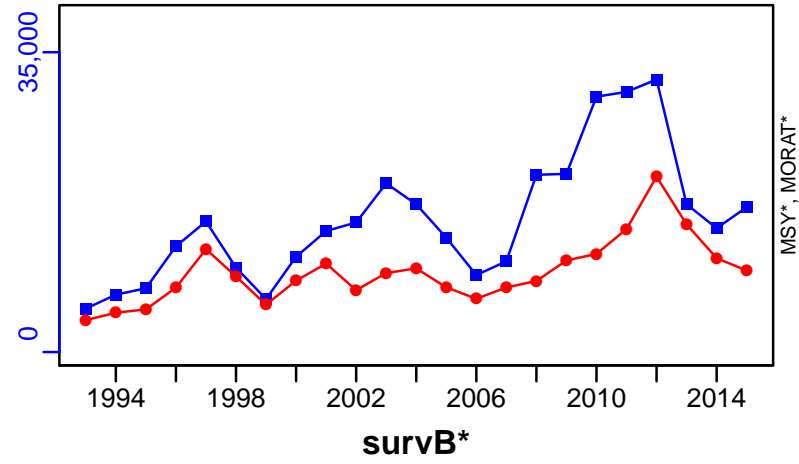


R-E00 (1993–2016–ICESIMP2016)



Haddock ICES VIIb-k [HADVIIb-k]

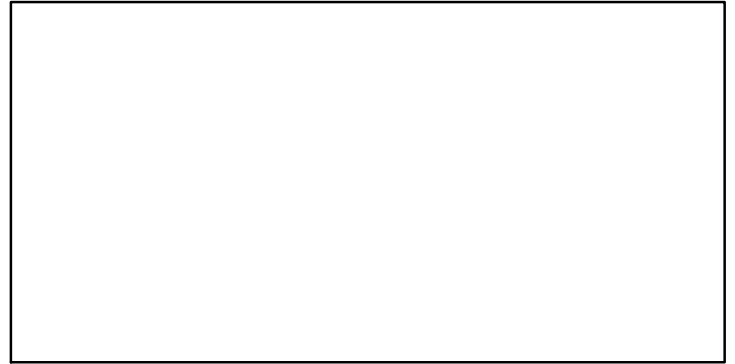
TC-MT, TL-MT, RecC* (1993–2016–ICESIMP2016)



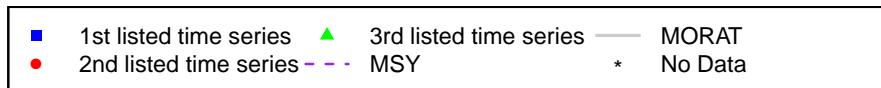
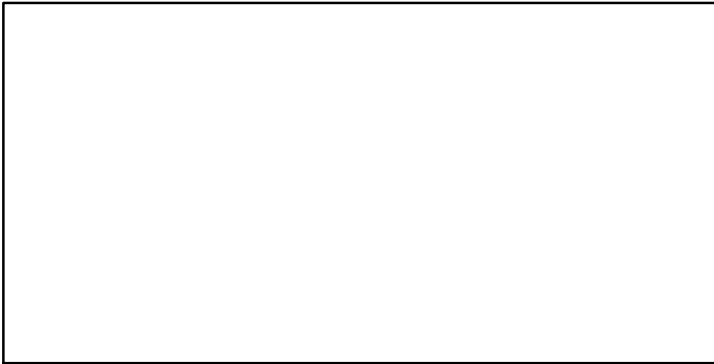
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Hake Northeast Atlantic North [HAKENRTN]

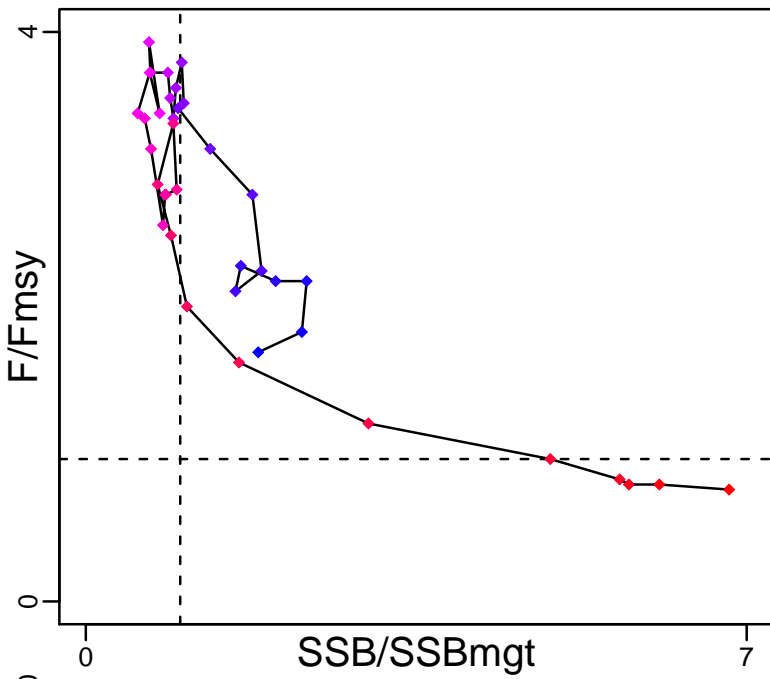
Metadata	
Scientific Name	Merluccius merluccius
Current Assess ID	WGBIE-HAKENRTN-1978-2016-ICESIMP2016
Area	IIIa-IV-VI-VII-VIIIabd
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2013, 2014, 2015, 2016, 2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.28
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	45,000
Fmgt	Fmgt-1/yr	2016	0.28
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	32,000
Flim	Flim-1/yr	2016	0.87
ERlim	-	-	-

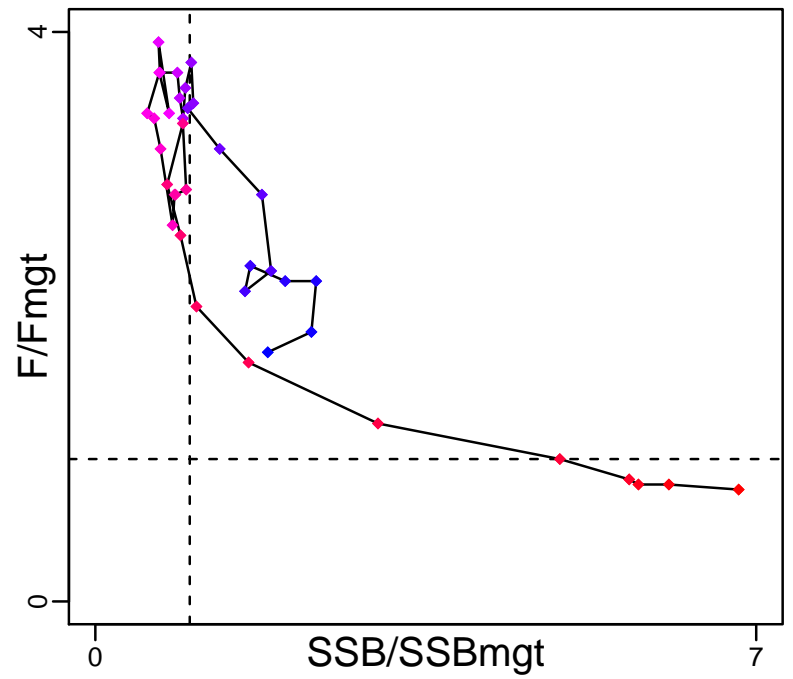
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	364,000	Both	-
SSB	SSB-MT	2016	330,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	3.16×10^8	-	0
F	F-1/yr	2016	0.22	-	-
ER	ER-calc-ratio	2016	0.278	-	-
TC	TC-MT	2016	101,000		
TL	TL-MT	2016	93,700		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.786		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	7.326		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.786		
ER/ERmgt	-	-	-		

Hake Northeast Atlantic North [HAKENRTN]

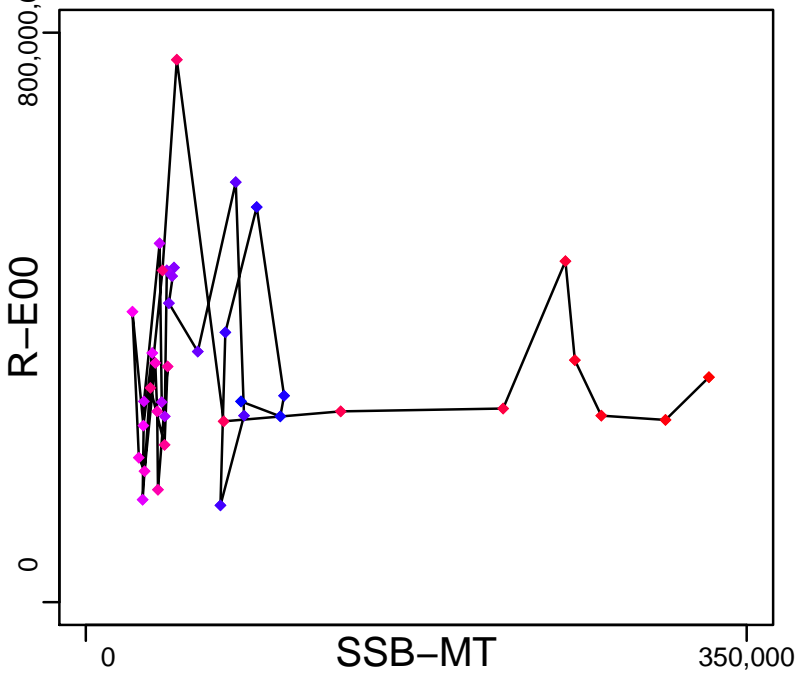
Kobe MSYpref (1978–2016–ICESIMP2016)



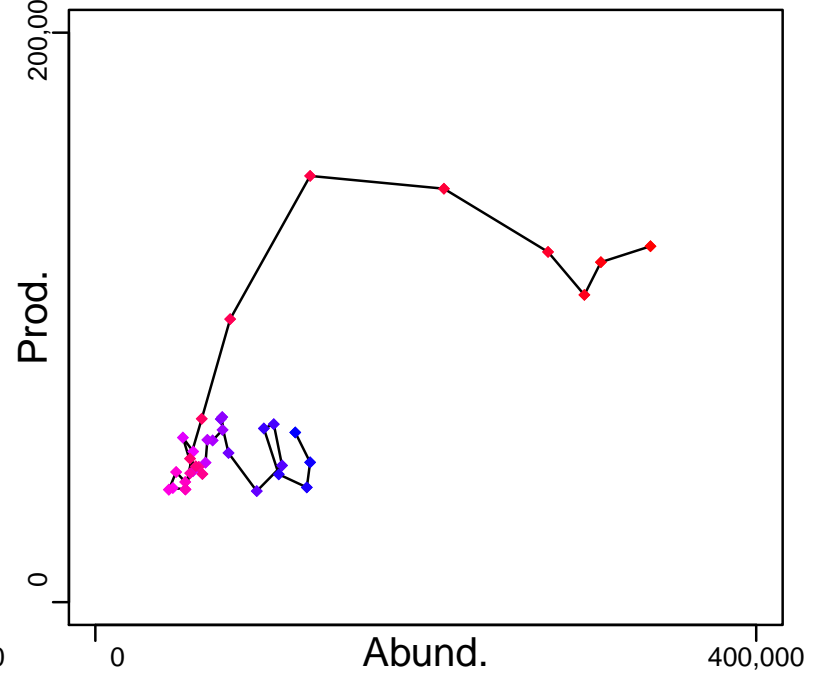
Kobe MGTpref (1978–2016–ICESIMP2016)



Spawner Recruit (1978–2016–ICESIMP2016)



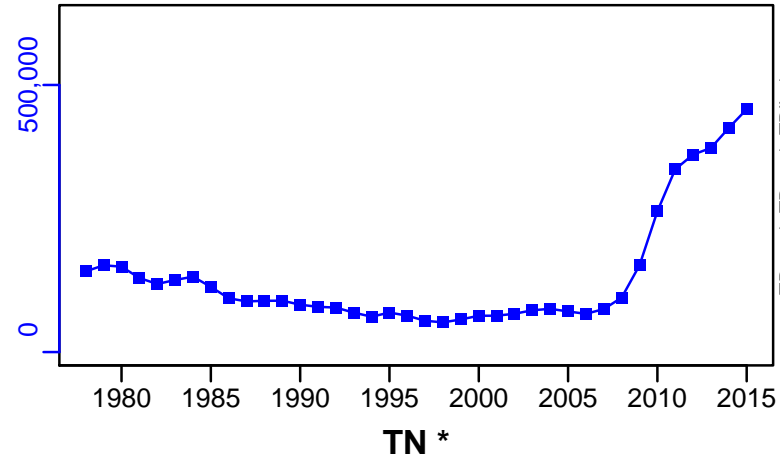
Production (1978–2016–ICESIMP2016)



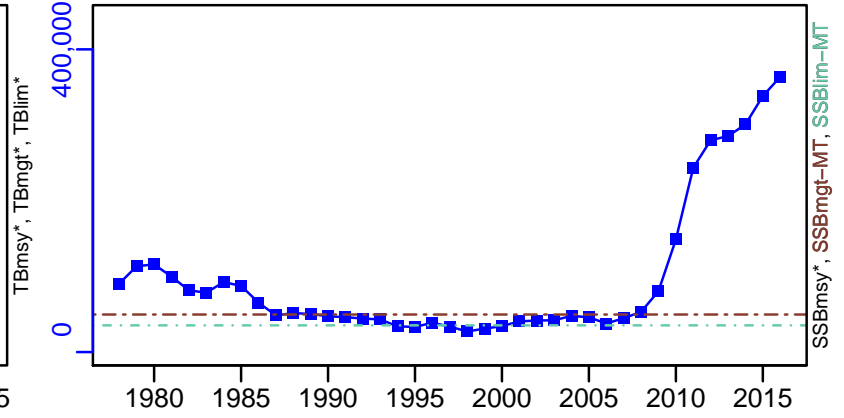
◆ Start Year ◆ End Year * No Data

Hake Northeast Atlantic North [HAKENRTN]

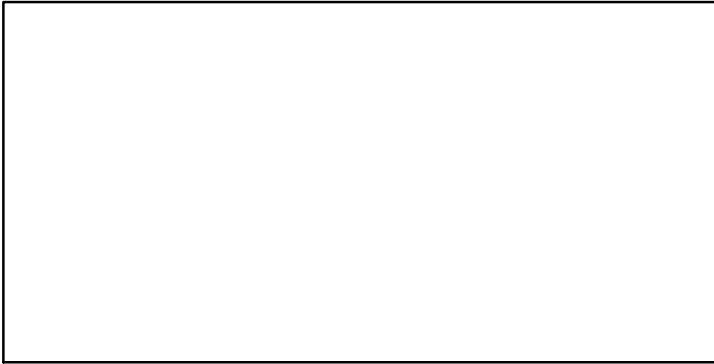
TB-MT (1978–2016–ICESIMP2016)



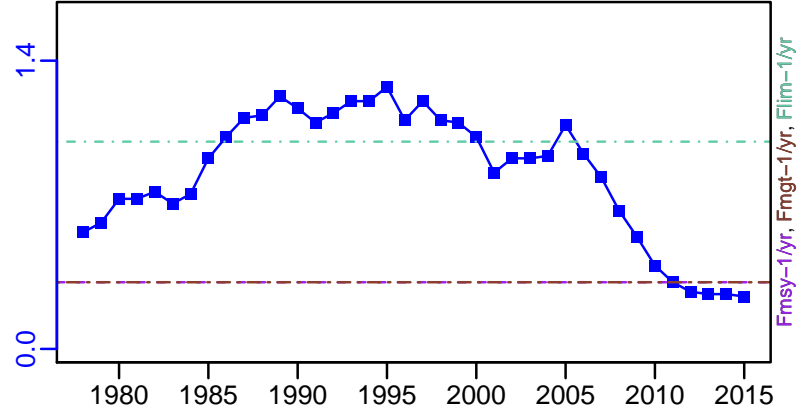
SSB-MT (1978–2016–ICESIMP2016)



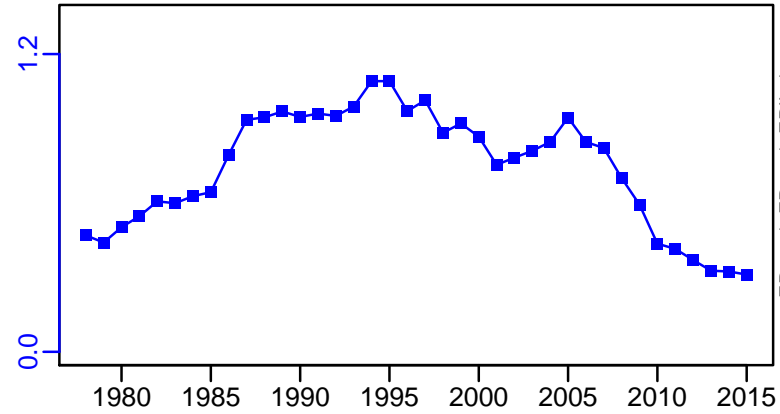
TN *



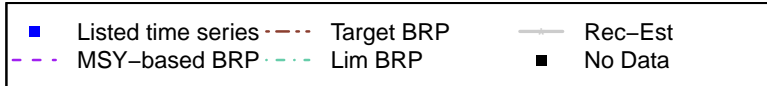
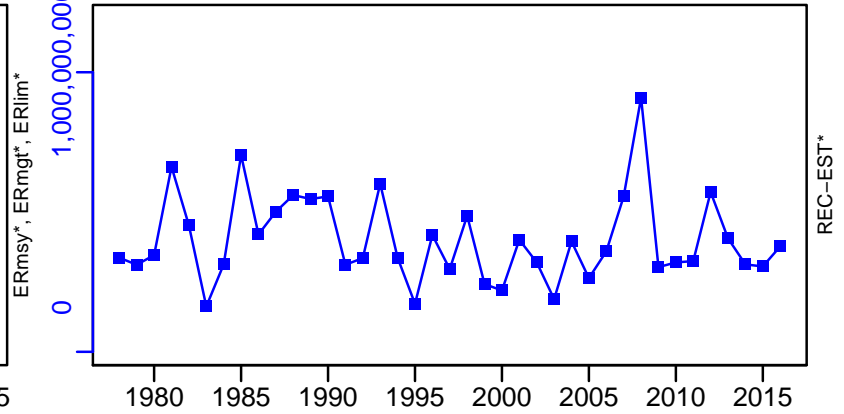
F-1/yr (1978–2016–ICESIMP2016)



ER-calc-ratio (1978–2016–ICESIMP2016)

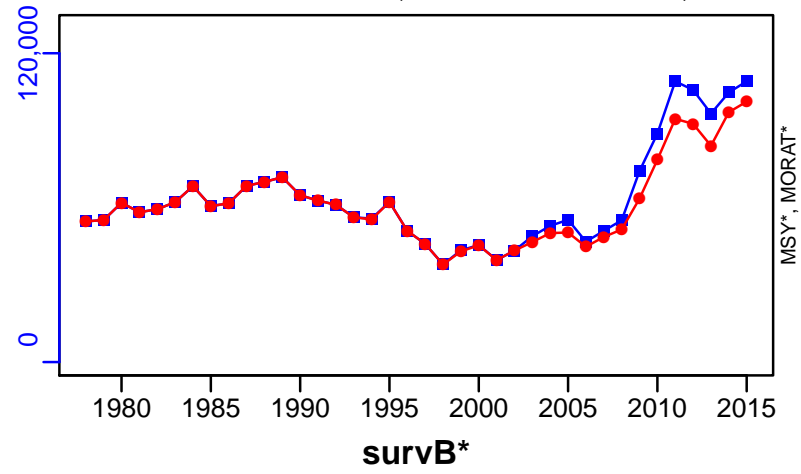


R-E00 (1978–2016–ICESIMP2016)

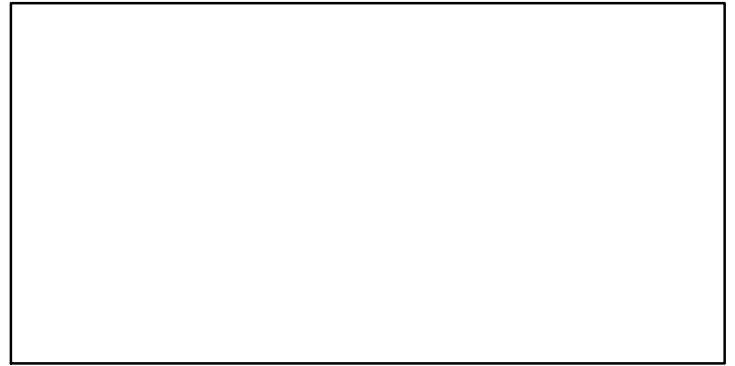


Hake Northeast Atlantic North [HAKENRTN]

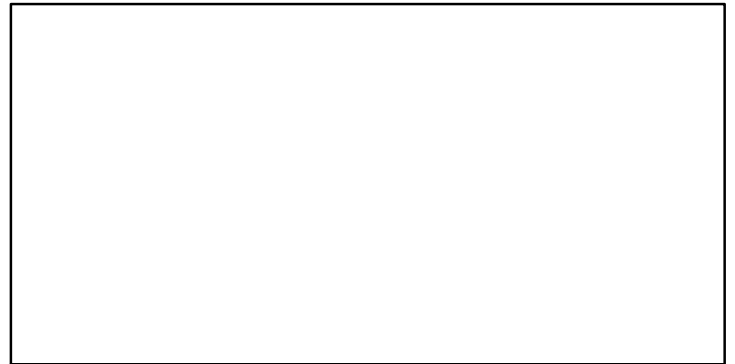
TC-MT, TL-MT, RecC* (1978–2016–ICESIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Hake Northeast Atlantic South [HAKESOTH]

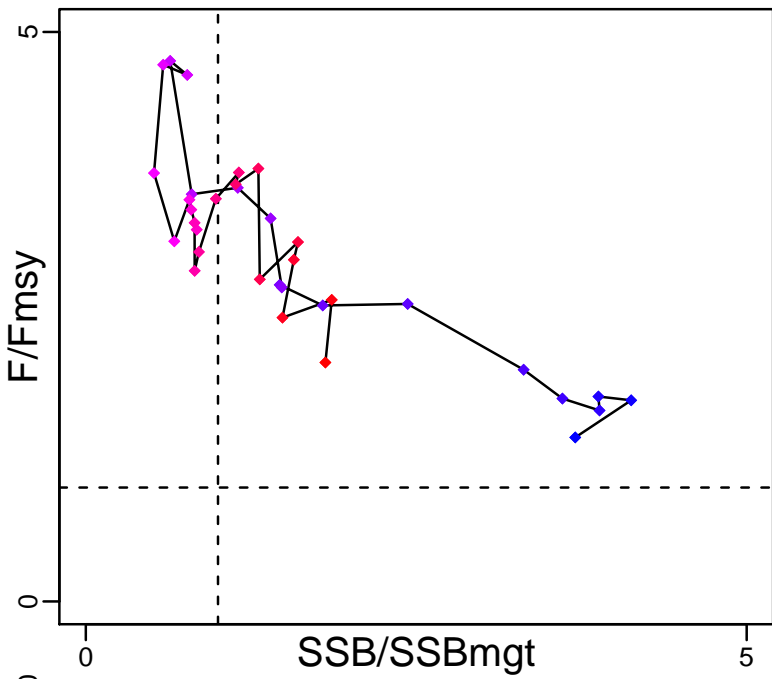
Metadata	
Scientific Name	Merluccius merluccius
Current Assess ID	WGBIE-HAKESOTH-1982-2016-ICESIMP2016
Area	VIIIc-IXa
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2014, 2015, 2016, 2011, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.25
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	11,100
Fmgt	Fmgt-1/yr	2016	0.25
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	8000
Flim	Flim-1/yr	2016	1.05
ERlim	-	-	-

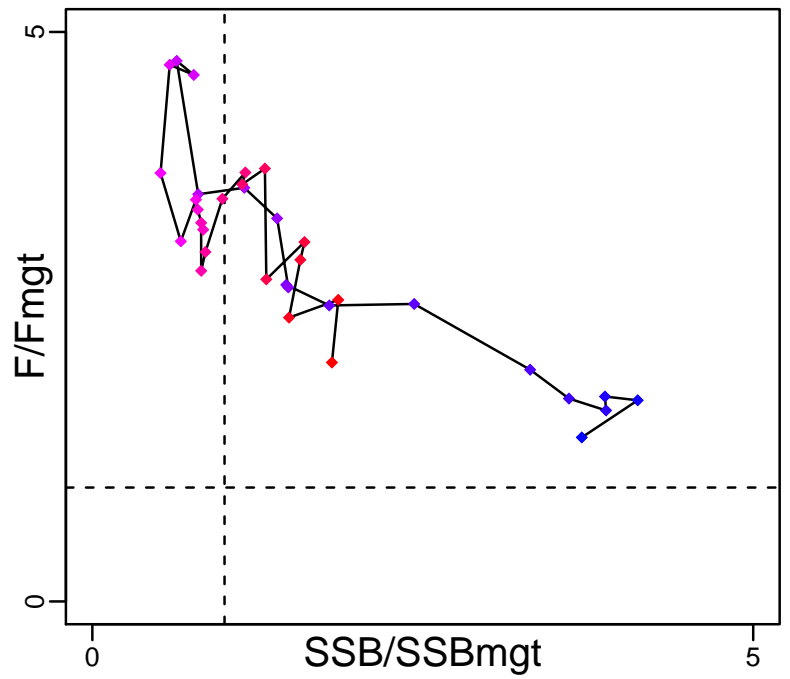
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	26,600	Both	-
SSB	SSB-MT	2016	23,100	Both	-
TN	-	-	-	-	-
R	R-E00	2016	79,300,000	-	0
F	F-1/yr	2016	0.524	-	1 to 3
ER	ER-calc-ratio	2016	0.52	-	-
TC	TC-MT	2016	13,800		
TL	TL-MT	2016	11,500		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	2.098		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	2.081		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	2.098		
ER/ERmgt	-	-	-		

Hake Northeast Atlantic South [HAKESOTH]

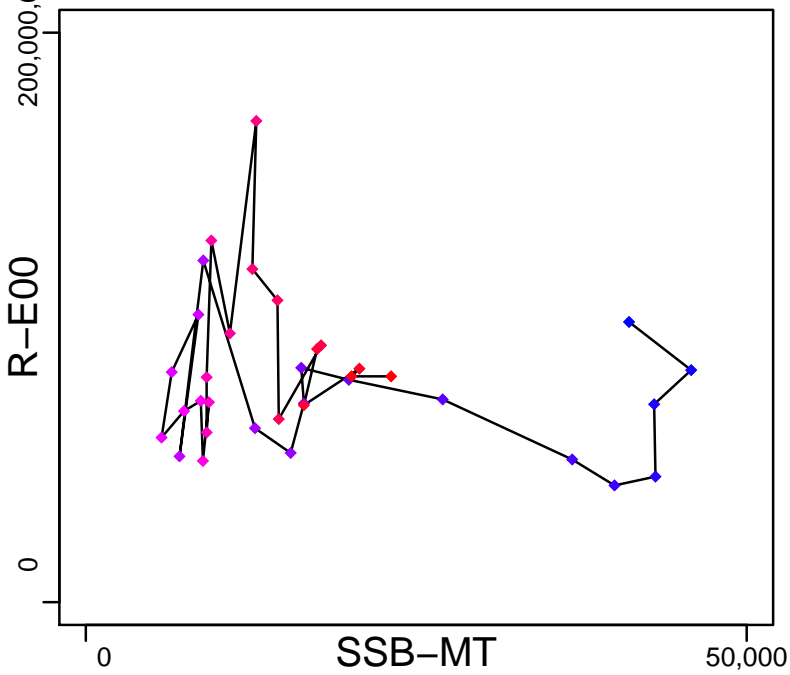
Kobe MSYpref (1982–2016–ICESIMP2016)



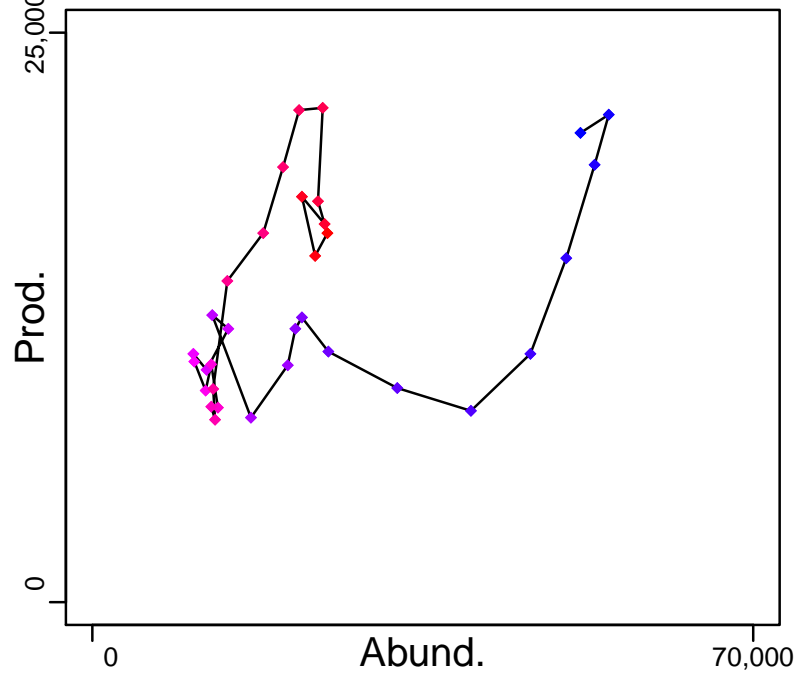
Kobe MGTpref (1982–2016–ICESIMP2016)



Spawner Recruit (1982–2016–ICESIMP2016)



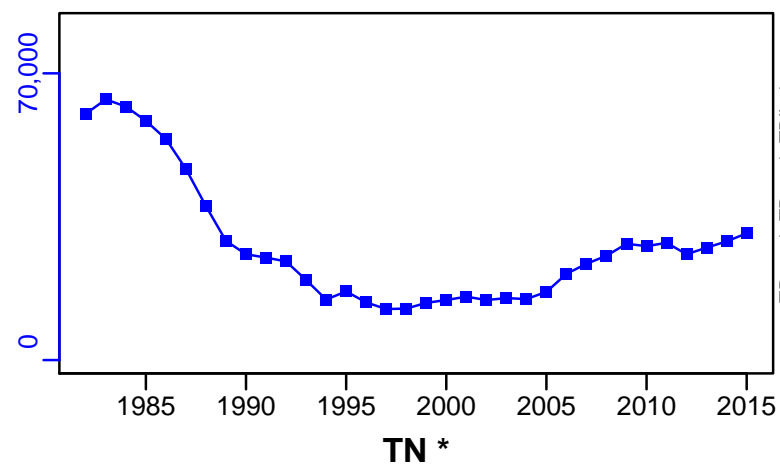
Production (1982–2016–ICESIMP2016)



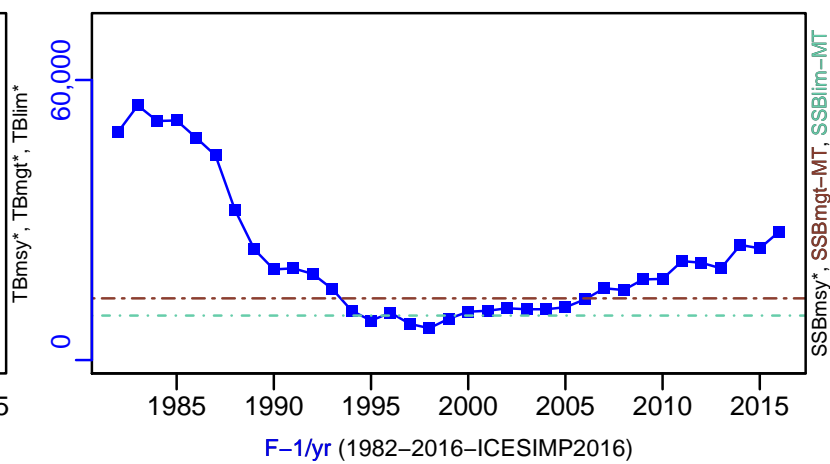
◆ Start Year ◆ End Year * No Data

Hake Northeast Atlantic South [HAKESOTH]

TB-MT (1982–2016–ICESIMP2016)



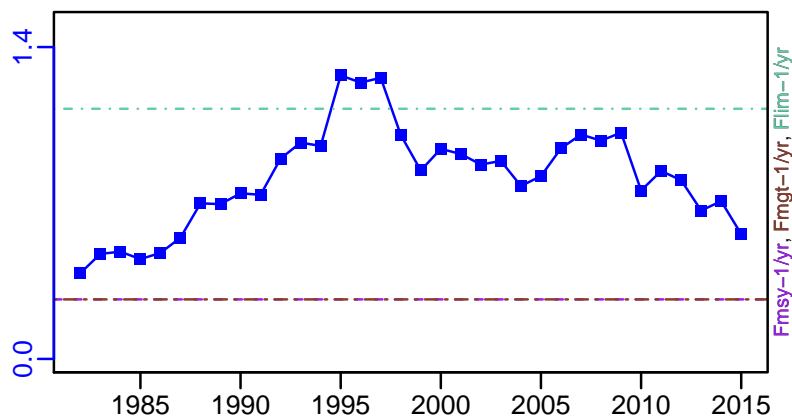
SSB-MT (1982–2016–ICESIMP2016)



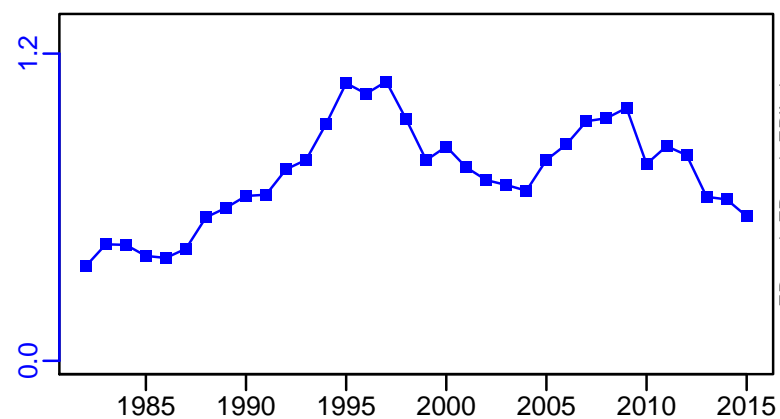
TN *



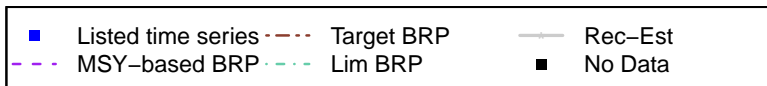
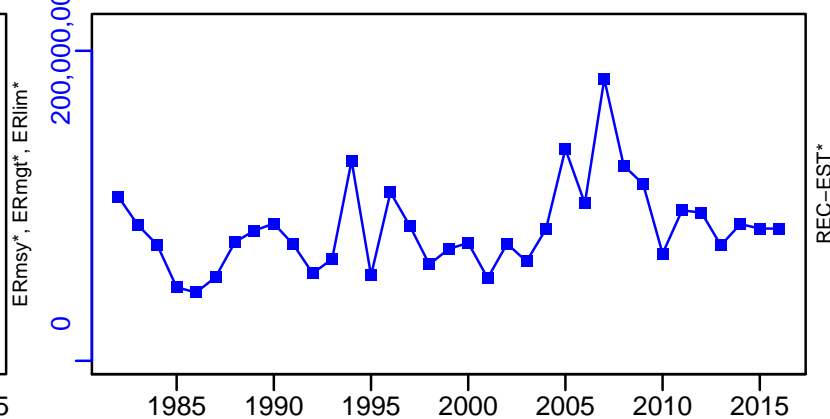
F-1/yr (1982–2016–ICESIMP2016)



ER-calc-ratio (1982–2016–ICESIMP2016)

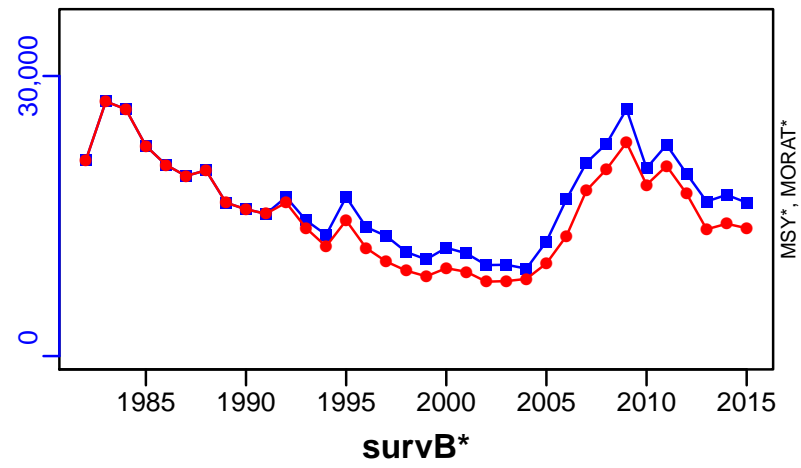


R-E00 (1982–2016–ICESIMP2016)



Hake Northeast Atlantic South [HAKESOTH]

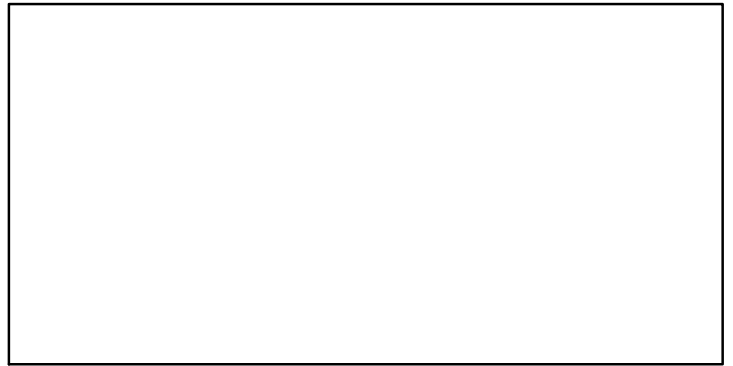
TC-MT, TL-MT, RecC* (1982–2016–ICESIMP2016)



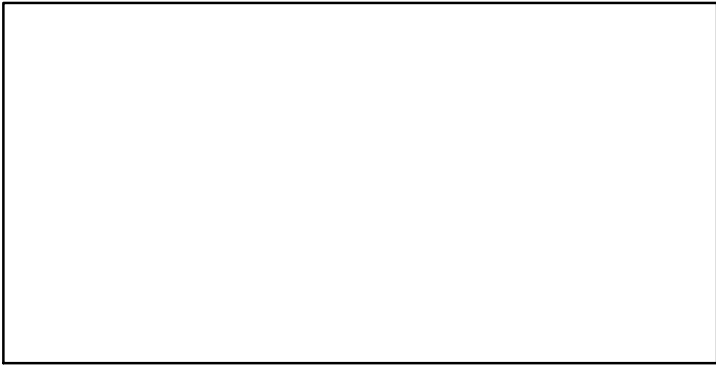
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Herring ICES 22-24-IIIa [HERR2224IIIa]

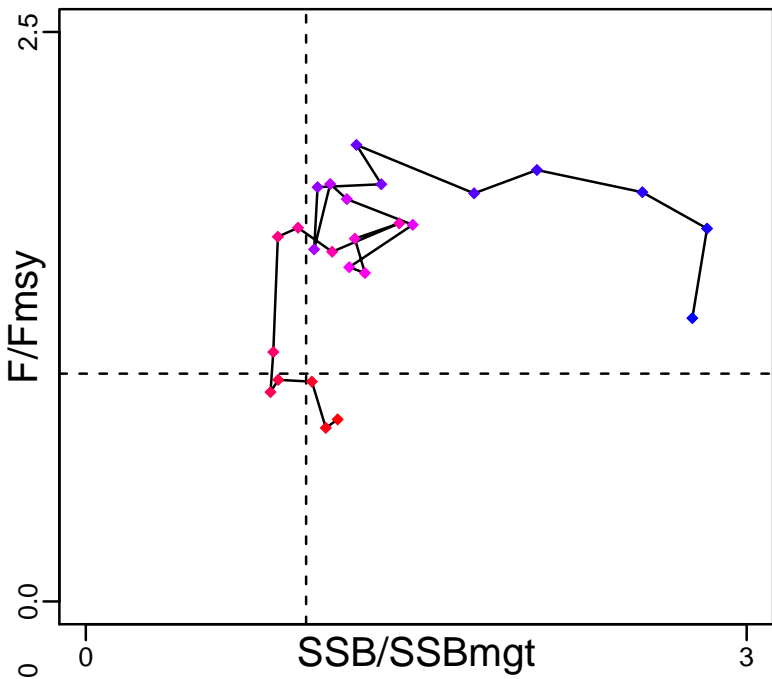
Metadata	
Scientific Name	Clupea harengus
Current Assess ID	HAWG-HERR2224IIIa-1991-2016-ICESIMP2016
Area	22-24-IIIa
Management Authority	International Council for the Exploration of the Sea
Assessor	Herring Assessment Working Group for the Area South of 62N
Asmts in RAM	2011, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2011	110,000
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.32
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	110,000
Fmgt	Fmgt-1/yr	2016	0.32
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	90,000
Flim	Flim-1/yr	2016	0.52
ERlim	-	-	-

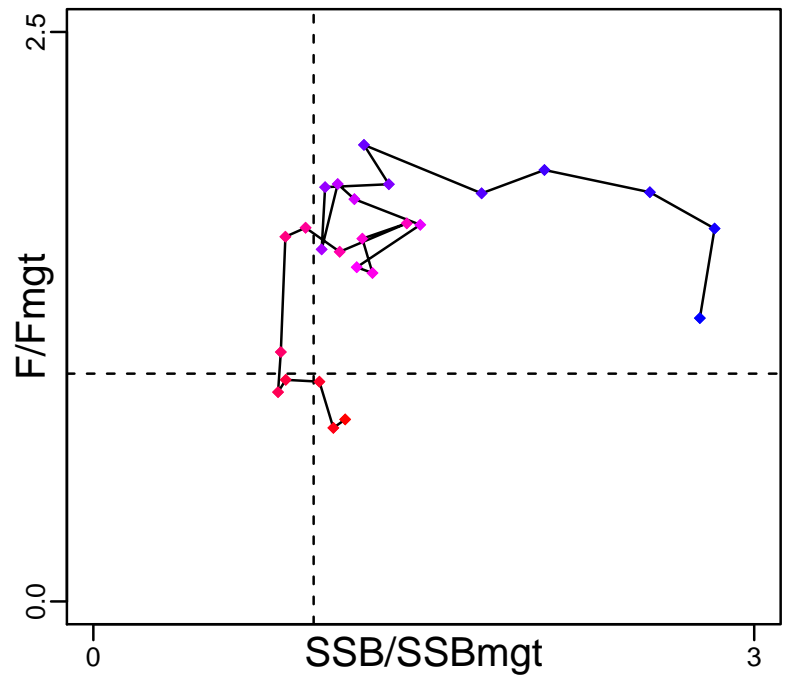
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	205,000	Both	-
SSB	SSB-MT	2016	143,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	1.86×10^9	-	0
F	F-1/yr	2016	0.256	-	3 to 6
ER	ER-calc-ratio	2016	0.183	-	-
TC	TC-MT	2016	37,500		
TL	TL-MT	2016	37,500		
TB/TBmsy	TB-MT/TBmsy-MT	2011	1.491		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.799		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.3		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.799		
ER/ERmgt	-	-	-		

Herring ICES 22–24–IIIa [HERR2224IIIa]

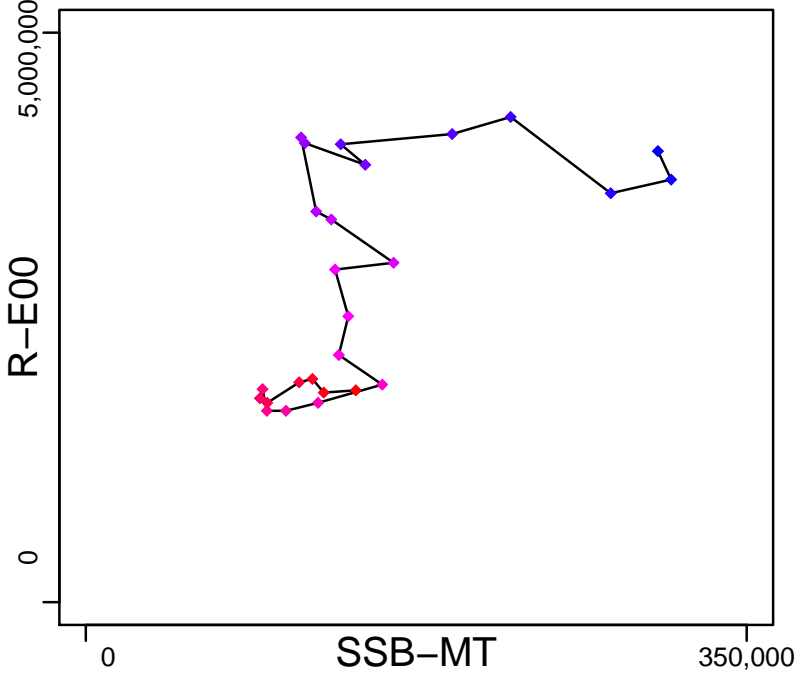
Kobe MSYpref (1991–2016–ICESIMP2016)



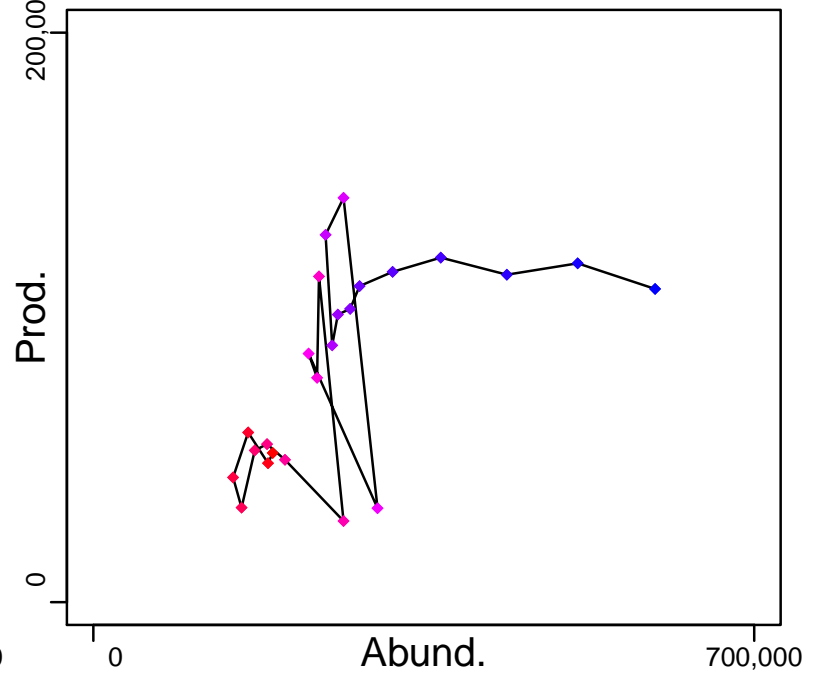
Kobe MGTpref (1991–2016–ICESIMP2016)



Spawner Recruit (1991–2016–ICESIMP2016)



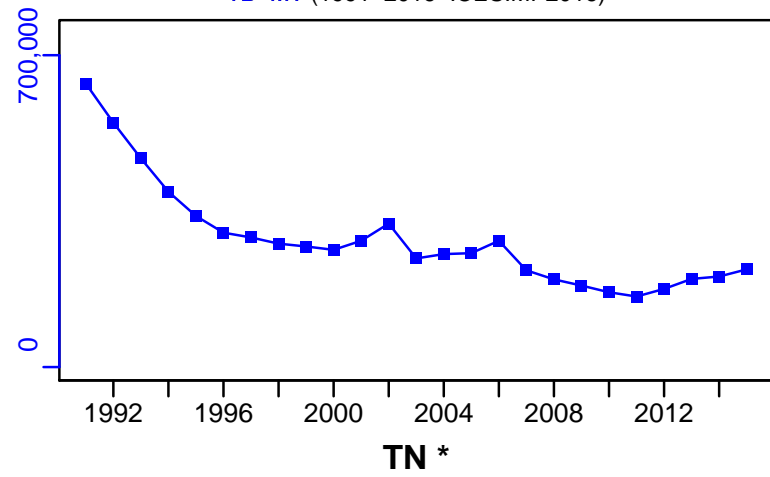
Production (1991–2016–ICESIMP2016)



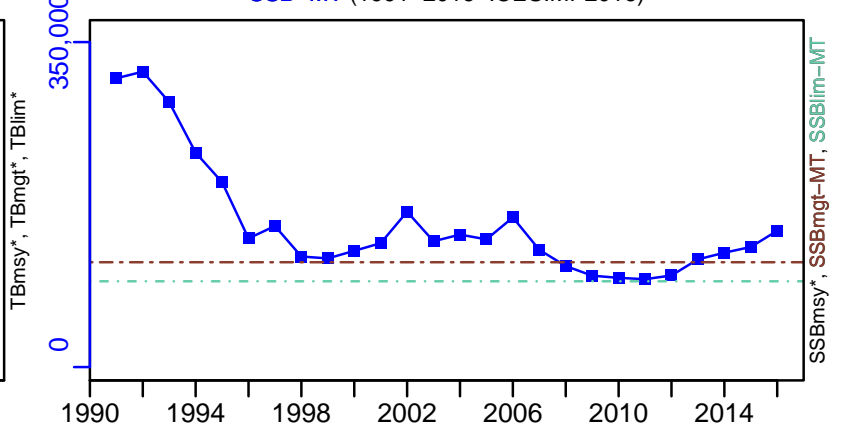
◆ Start Year ◆ End Year * No Data

Herring ICES 22–24–IIIa [HERR2224IIIa]

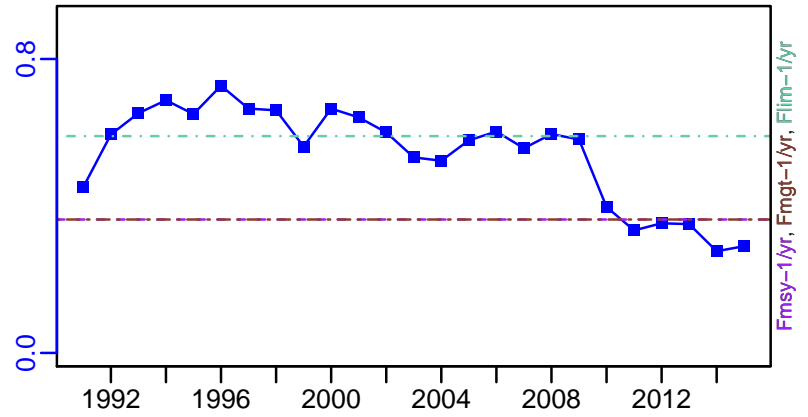
TB–MT (1991–2016–ICESIMP2016)



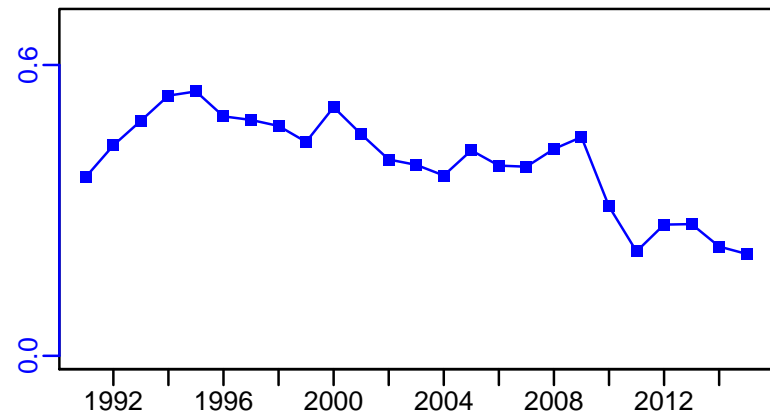
SSB–MT (1991–2016–ICESIMP2016)



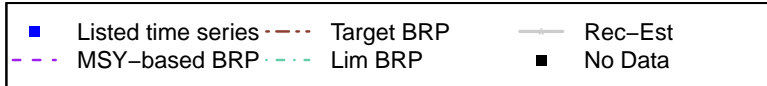
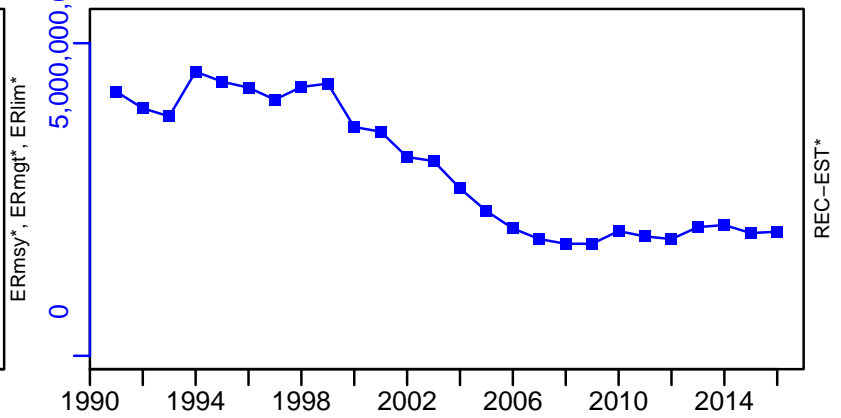
F–1/yr (1991–2016–ICESIMP2016)



ER–calc–ratio (1991–2016–ICESIMP2016)



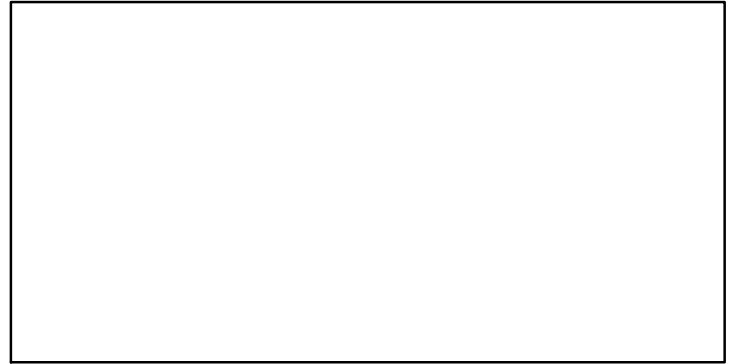
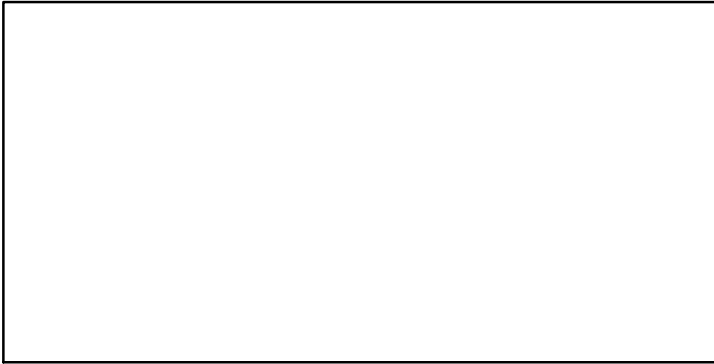
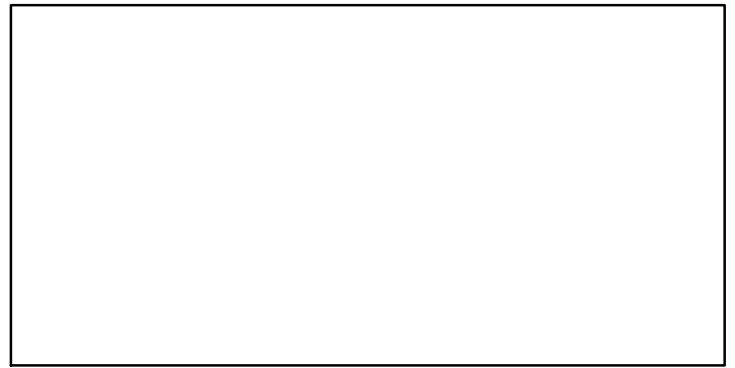
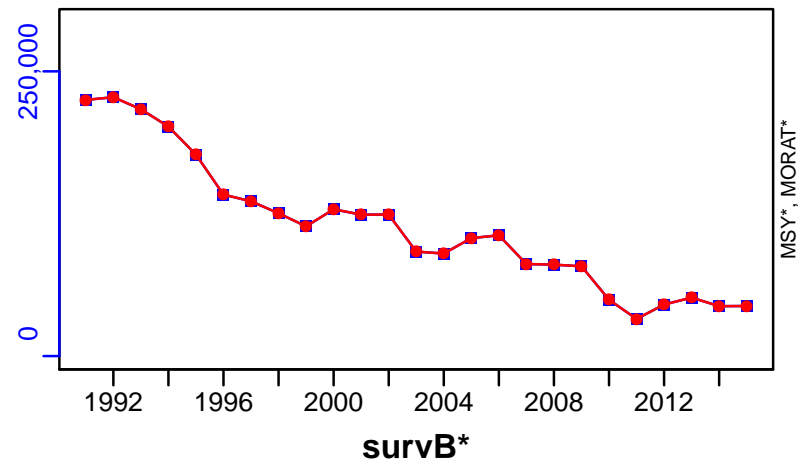
R–E00 (1991–2016–ICESIMP2016)



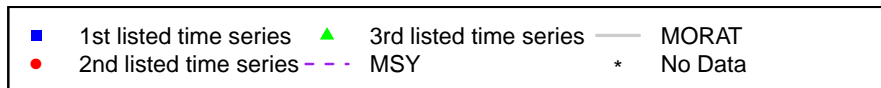
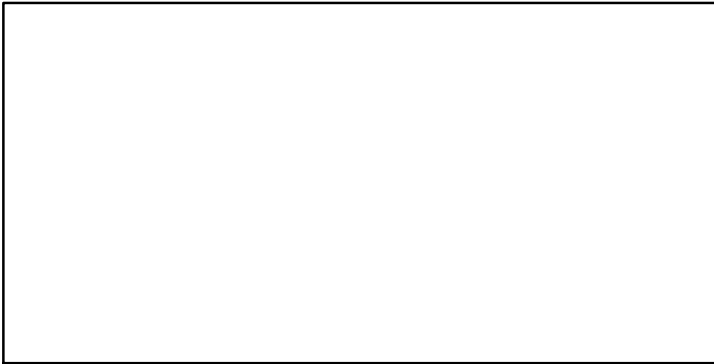
Herring ICES 22–24–IIIa [HERR2224IIIa]

TC–MT, TL–MT, RecC* (1991–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Herring Subdivisions 25-29 and 32 [HERR2529-32]

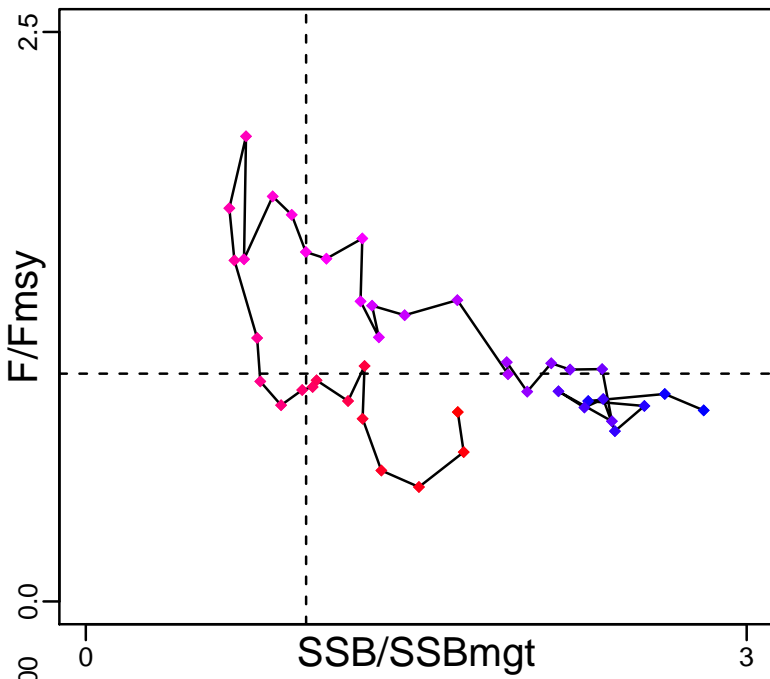
Metadata	
Scientific Name	Clupea harengus
Current Assess ID	WGBFAS-HERR2529-32-1973-2016-ICESIMP2016
Area	Subdivisions 25-29 and 32
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.22
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	6×10^5
Fmgt	Fmgt-1/yr	2016	0.22
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	430,000
Flim	Flim-1/yr	2016	0.52
ERlim	-	-	-

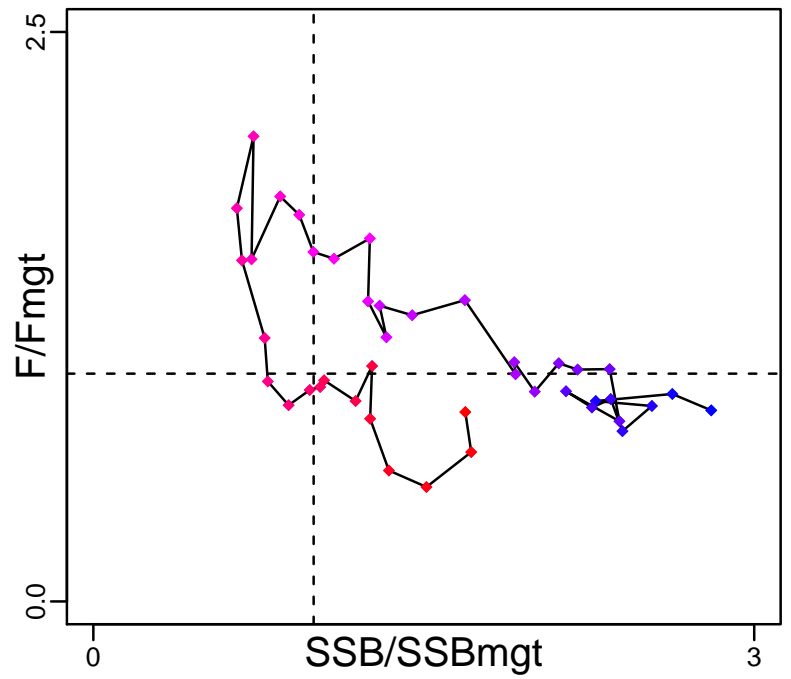
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	1,460,000	Both	-
SSB	SSB-MT	2016	1,060,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	1.82×10^{10}	-	1
F	F-1/yr	2016	0.183	-	3 to 6
ER	ER-calc-ratio	2016	0.12	-	-
TC	TC-MT	2016	174,000		
TL	TL-MT	2016	174,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.831		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.761		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.831		
ER/ERmgt	-	-	-		

Herring Subdivisions 25–29 and 32 [HERR2529–32]

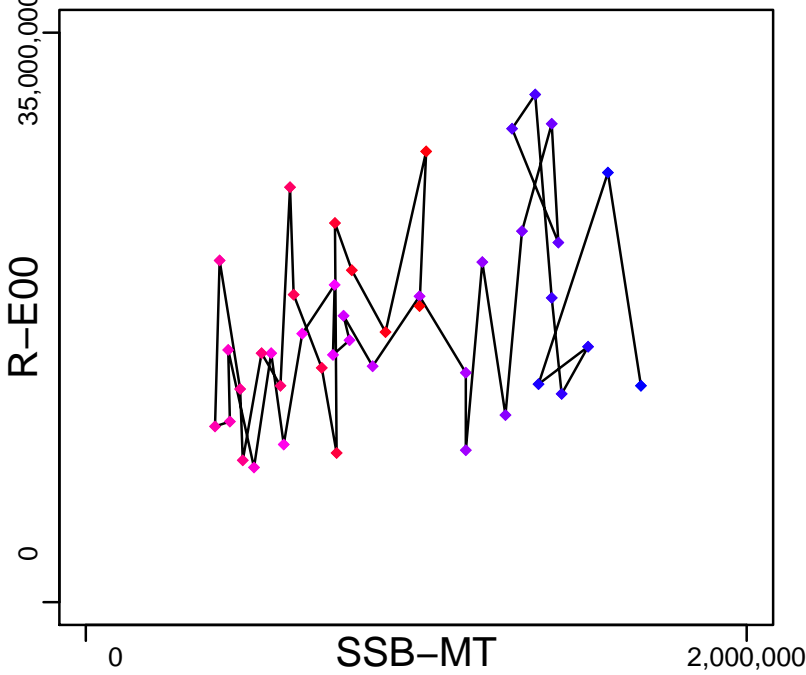
Kobe MSYpref (1973–2016–ICESIMP2016)



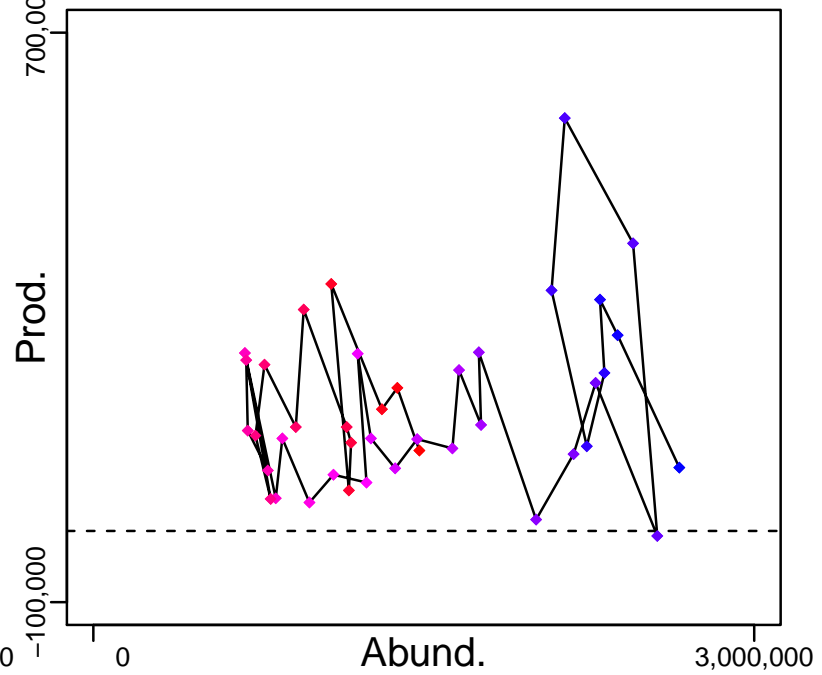
Kobe MGTpref (1973–2016–ICESIMP2016)



Spawner Recruit (1973–2016–ICESIMP2016)

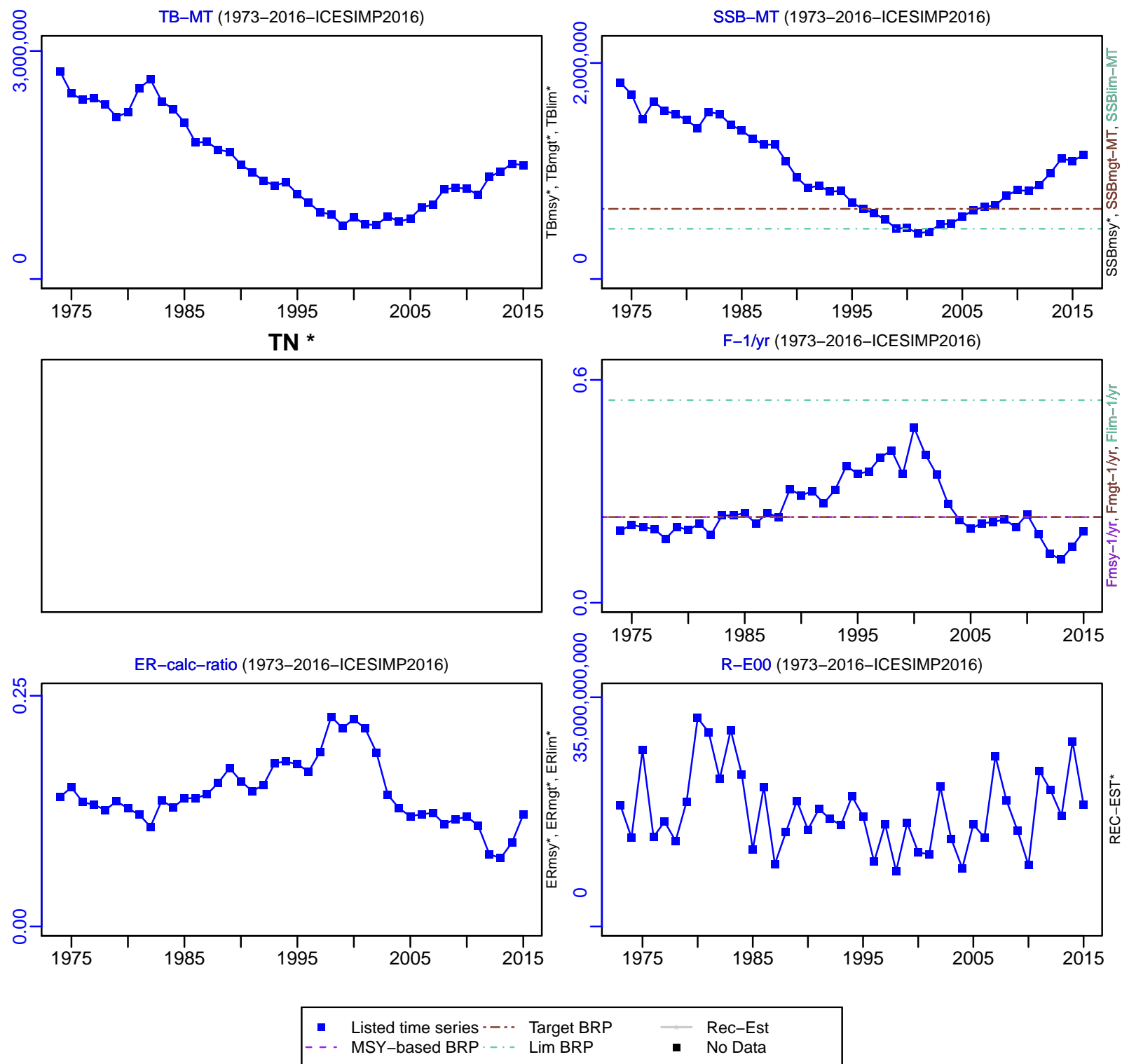


Production (1973–2016–ICESIMP2016)



◆ Start Year ◆ End Year * No Data

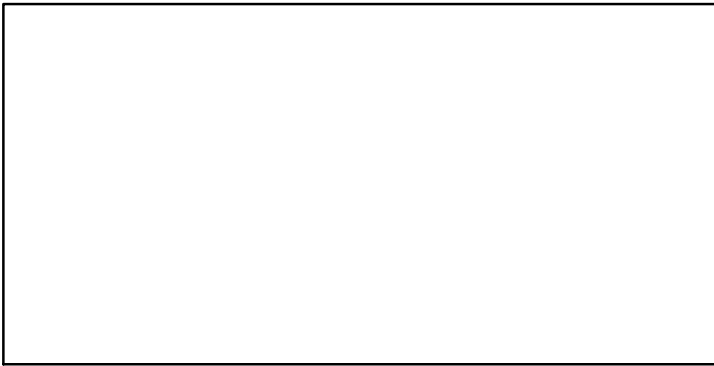
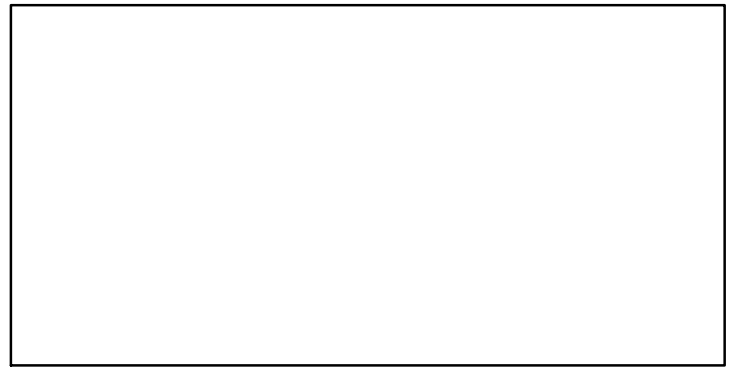
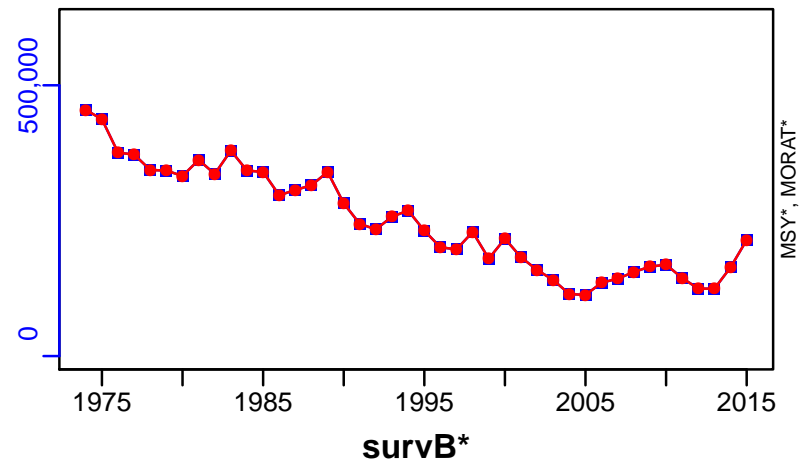
Herring Subdivisions 25–29 and 32 [HERR2529–32]



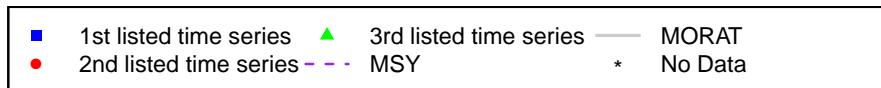
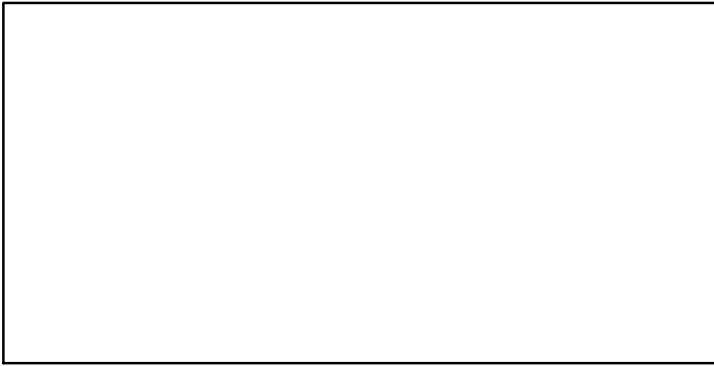
Herring Subdivisions 25–29 and 32 [HERR2529–32]

TC–MT, TL–MT, RecC* (1973–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Herring ICES 30 [HERR30]

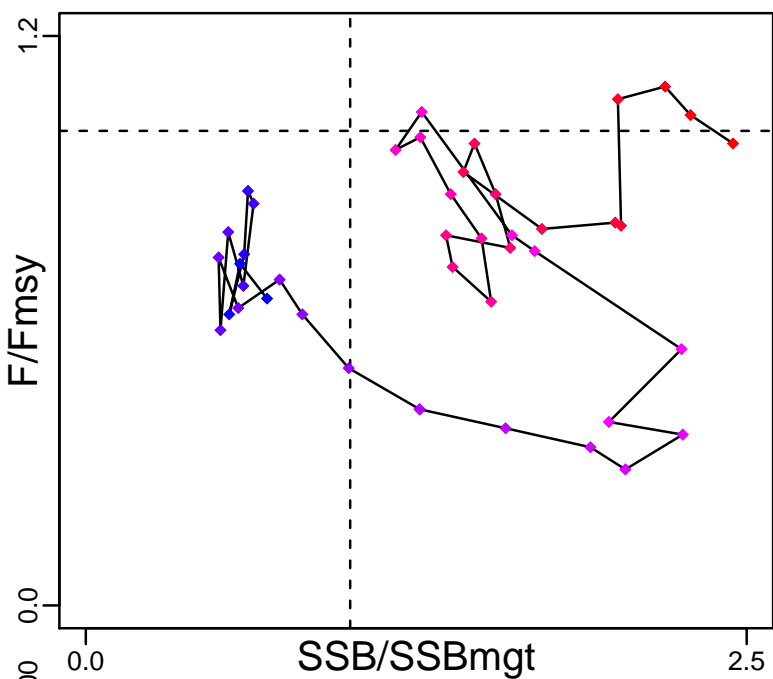
Metadata	
Scientific Name	Clupea harengus
Current Assess ID	WGBFAS-HERR30-1972-2016-ICESIMP2016
Area	Bothnian Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2011, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2011	2×10^5
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.15
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	316,000
Fmgt	Fmgt-1/yr	2016	0.15
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.2
TBlim	TBlim-MT	2011	290,000
SSBlim	-	-	-
Flim	Flim-1/yr	2011	0.3
ERlim	-	-	-

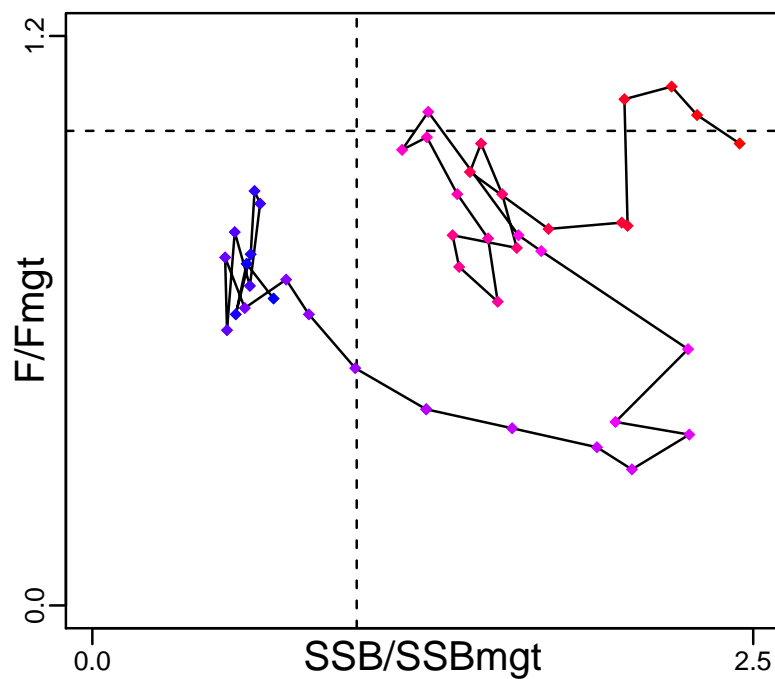
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	1,110,000	Both	-
SSB	SSB-MT	2016	952,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	8.03×10^9	-	1
F	F-1/yr	2016	0.146	-	3 to 7
ER	ER-calc-ratio	2016	0.1	-	-
TC	TC-MT	2015	111,000		
TL	TL-MT	2016	110,000		
TB/TBmsy	TB-MT/TBmsy-MT	2011	3.78		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.973		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	3.011		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.973		
ER/ERmgt	-	-	-		

Herring ICES 30 [HERR30]

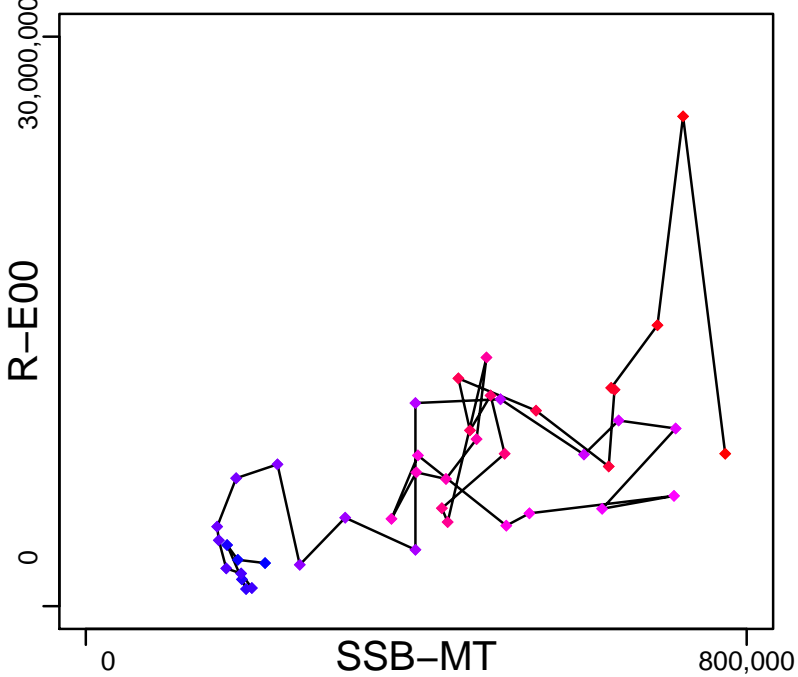
Kobe MSYpref (1972–2016–ICESIMP2016)



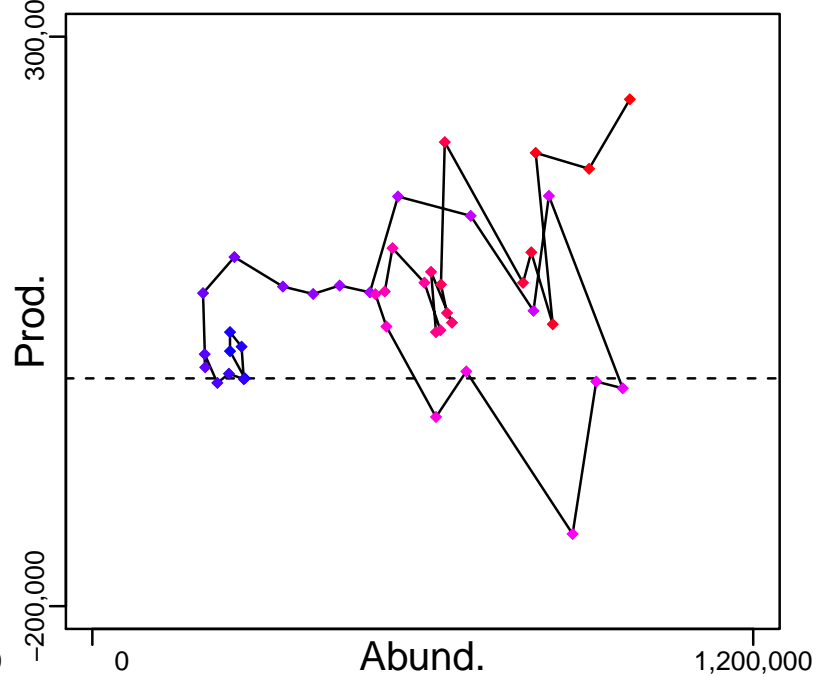
Kobe MGTpref (1972–2016–ICESIMP2016)



Spawner Recruit (1972–2016–ICESIMP2016)

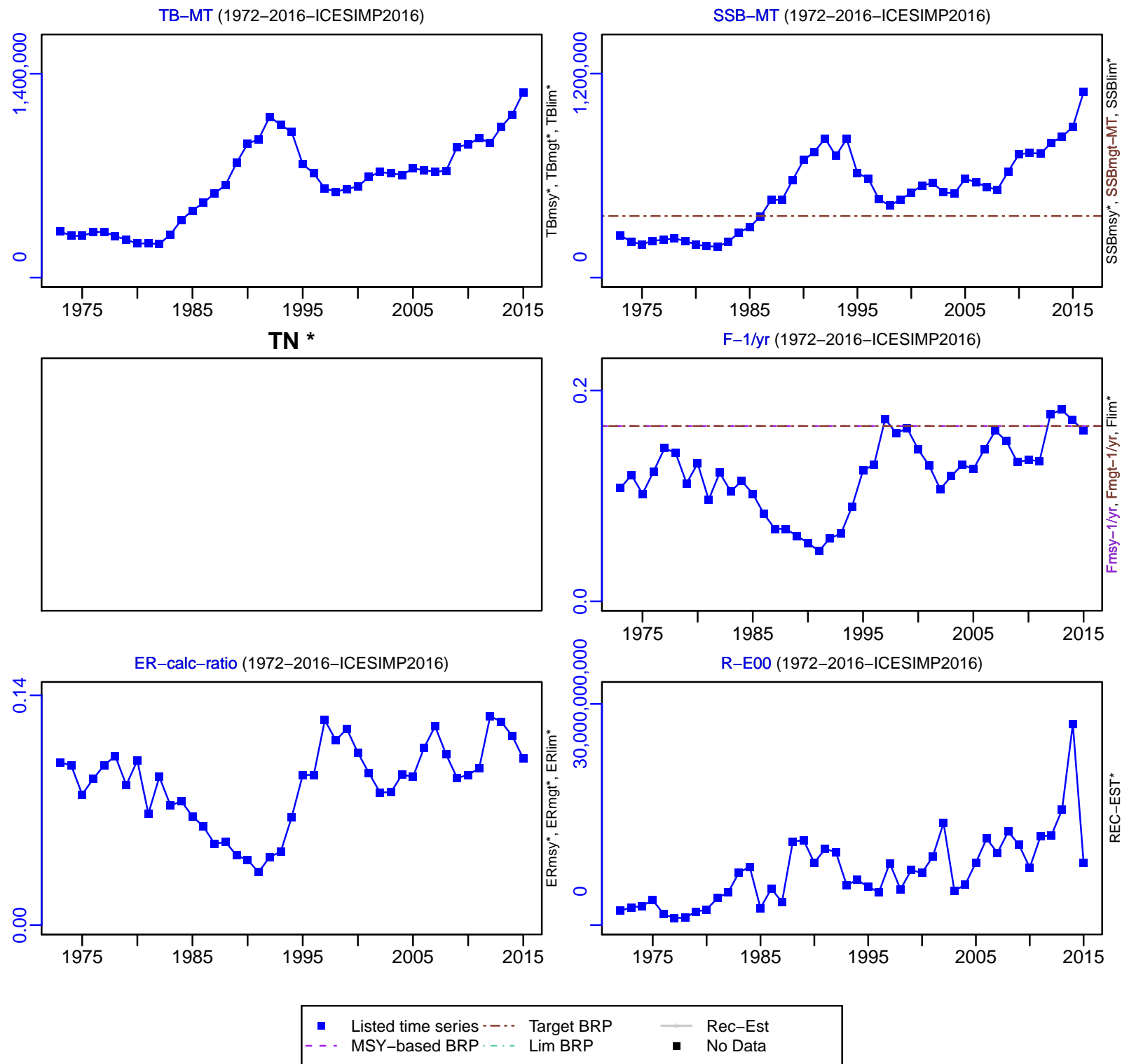


Production (1972–2016–ICESIMP2016)



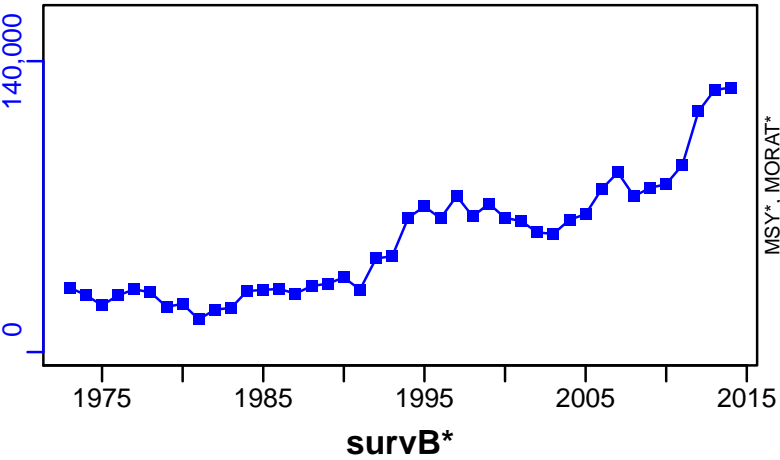
◆ Start Year ◆ End Year * No Data

Herring ICES 30 [HERR30]



Herring ICES 30 [HERR30]

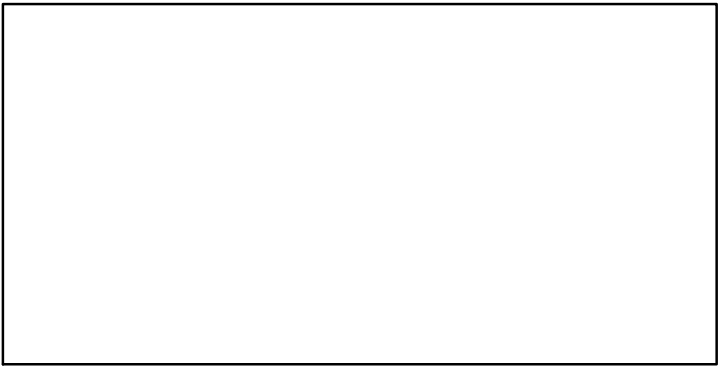
TC-MT, TL*, RecC* (1972-2015-ICESIMP2016)



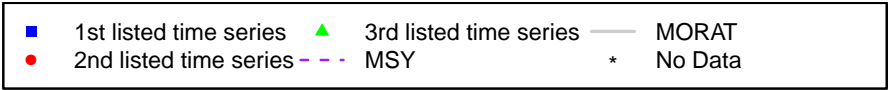
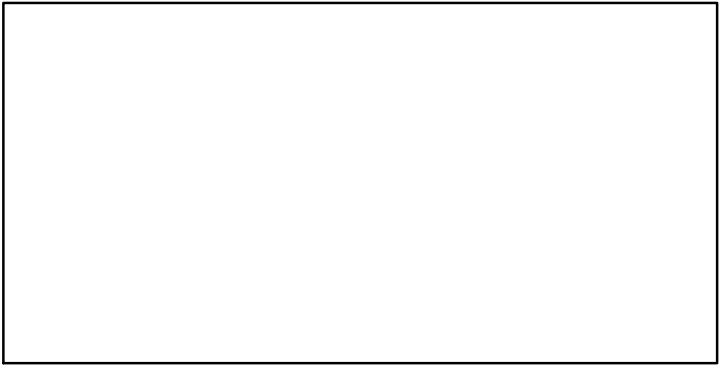
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*

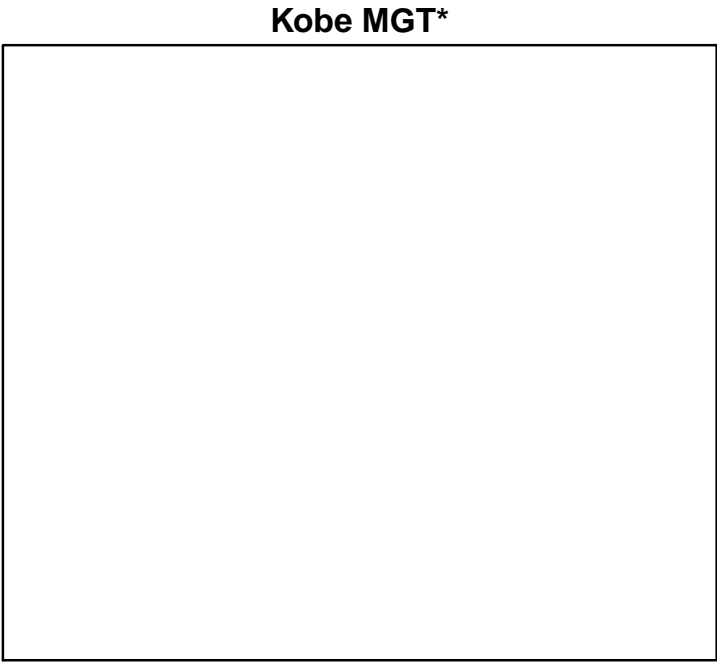
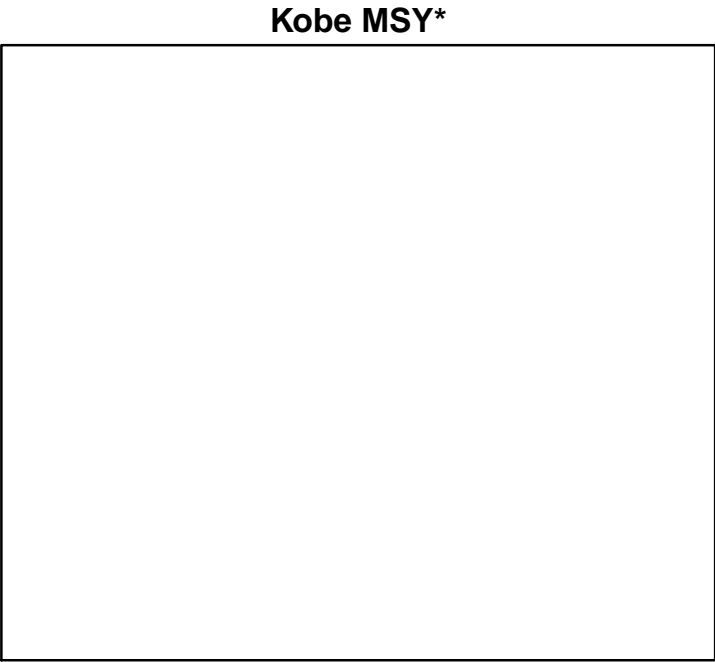


Herring ICES 31 [HERR31]

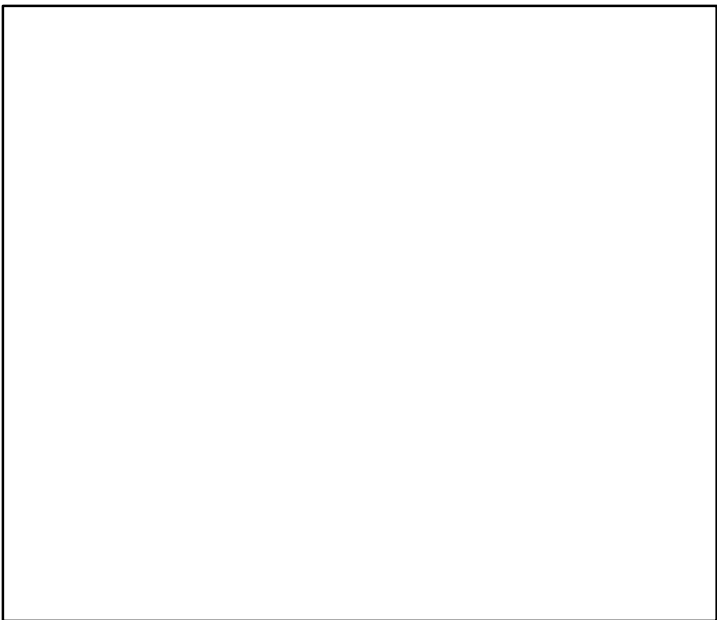
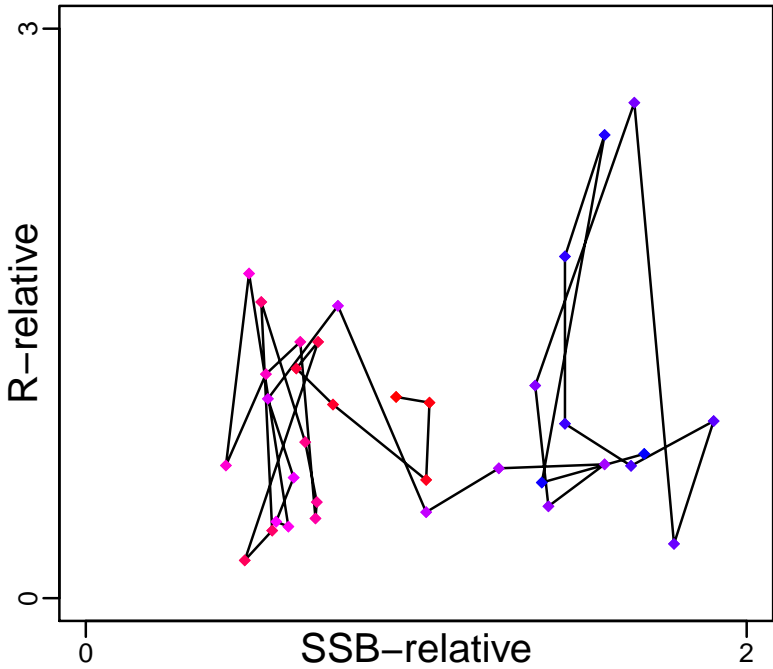
Metadata	
Scientific Name	Clupea harengus
Current Assess ID	WGBFAS-HERR31-1979-2016-ICESIMP2016
Area	Bothnian Bay
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2010, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.15
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-relative	2016	0.892	Both	-
TN	-	-	-	-	-
R	R-relative	2016	1.06	-	1
F	F-relative	2016	0.782	-	3 to 7
ER	ER-ratio	2010	0.113	-	-
TC	TC-MT	2016	4530		
TL	TL-MT	2016	4530		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



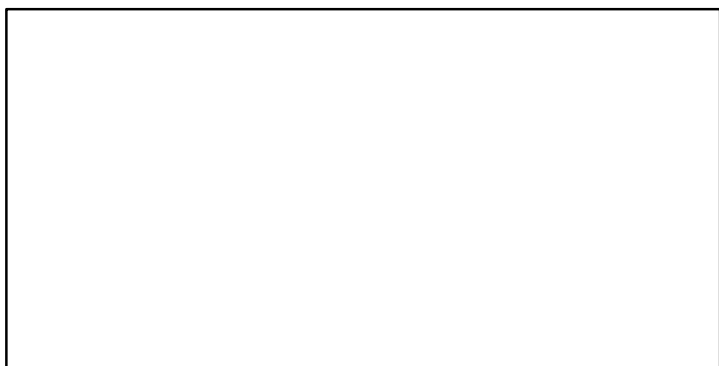
Spawner Recruit (1979–2016–ICESIMP2016)



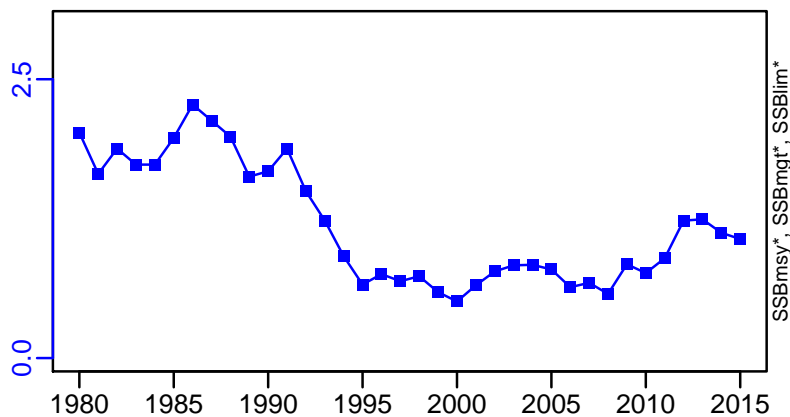
◆ Start Year ◆ End Year * No Data

Herring ICES 31 [HERR31]

TB*



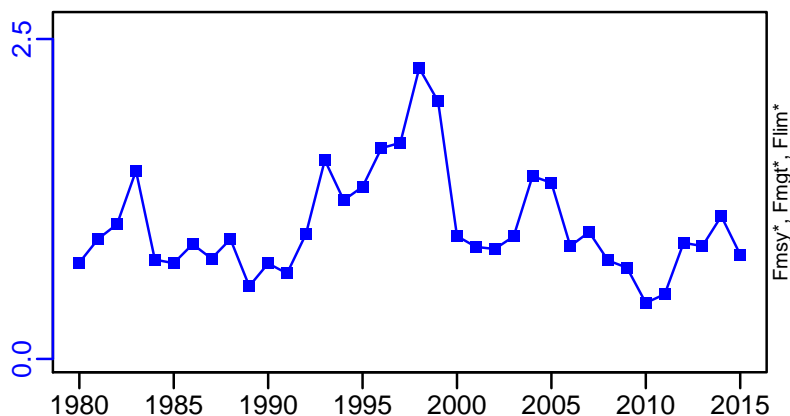
SSB-relative (1979–2016–ICESIMP2016)



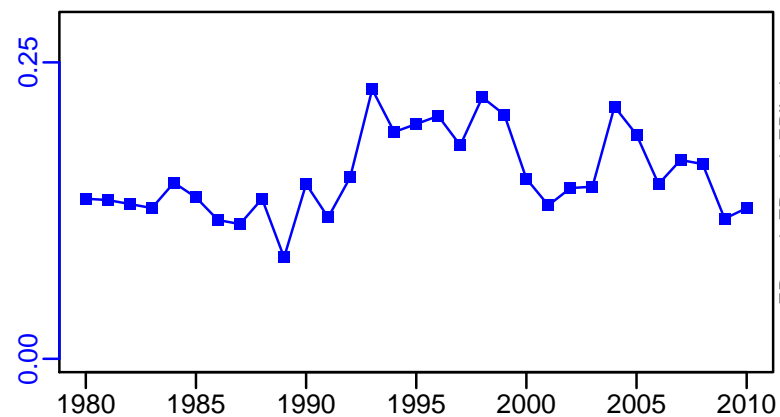
TN *



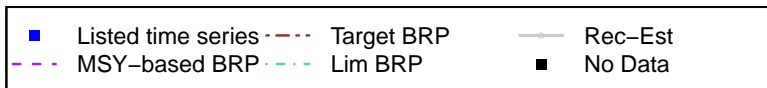
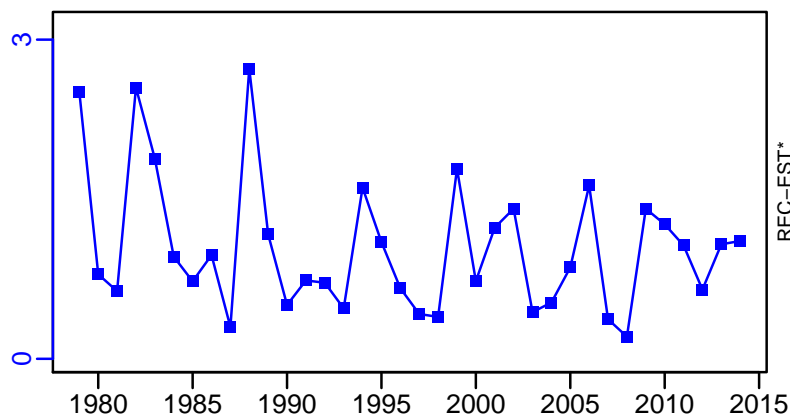
F-relative (1979–2016–ICESIMP2016)



ER-ratio (1979–2010–NEUBAUER)

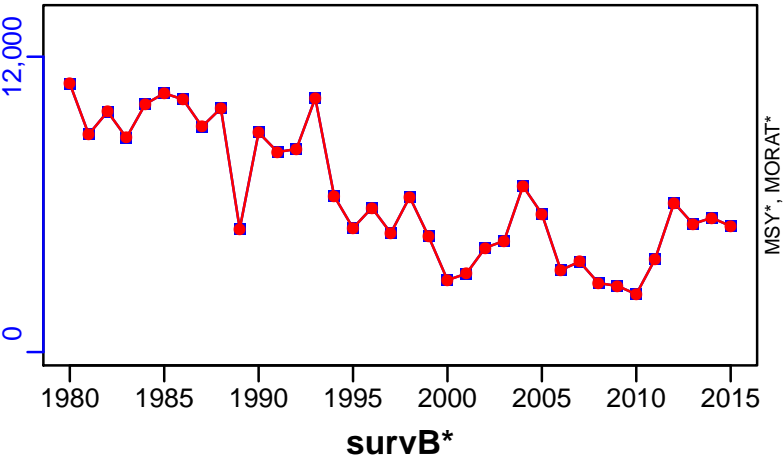


R-relative (1979–2016–ICESIMP2016)



Herring ICES 31 [HERR31]

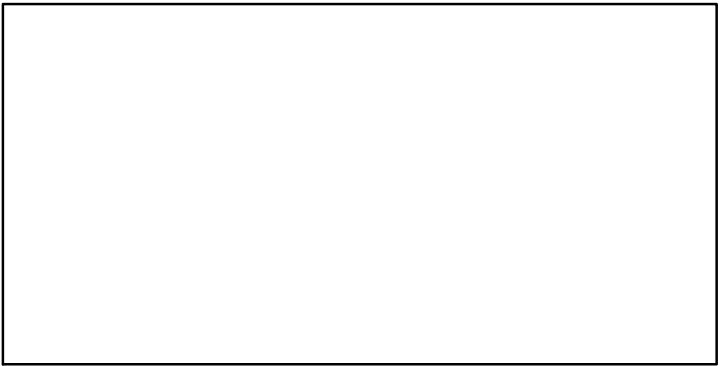
TC-MT, TL-MT, RecC* (1979-2016-ICESIMP2016)



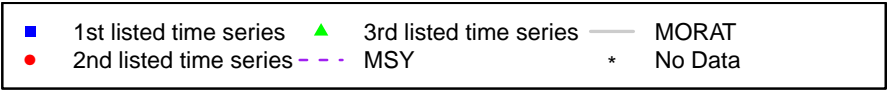
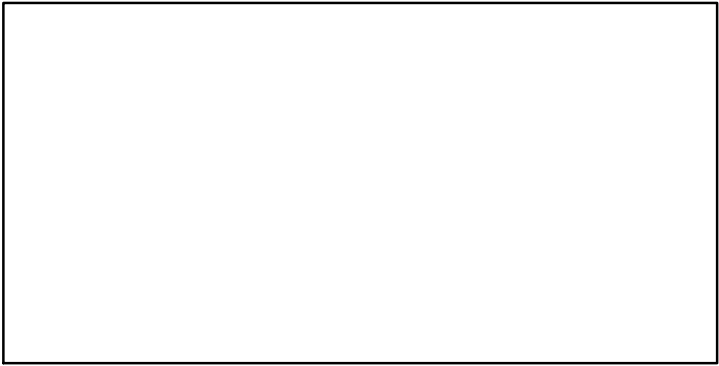
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Herring Northern Irish Sea [HERRNIRS]

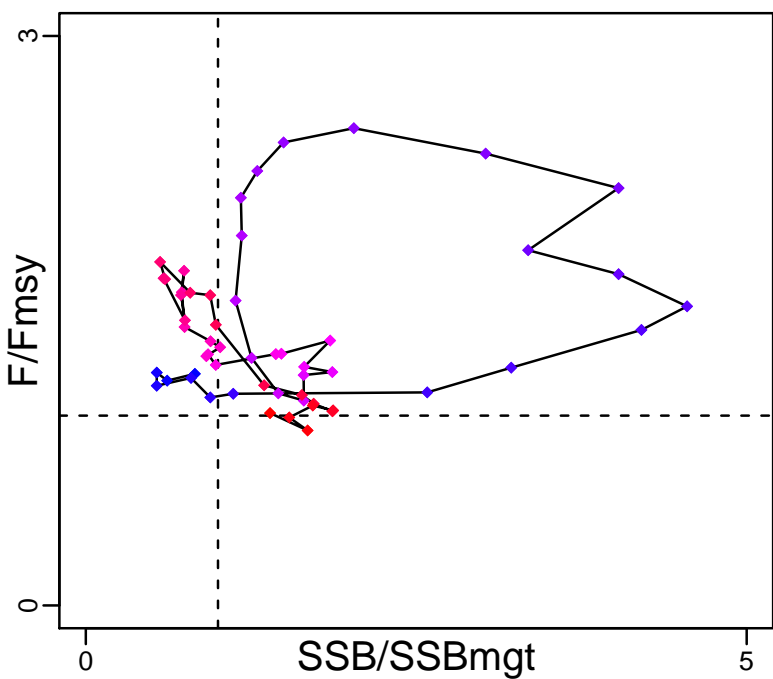
Metadata	
Scientific Name	Clupea harengus
Current Assess ID	HAWG-HERRNIRS-1960-2016-ICESIMP2016
Area	Irish Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Herring Assessment Working Group for the Area South of 62N
Asmts in RAM	2010, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.26
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	9500
Fmgt	Fmgt-1/yr	2016	0.26
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	TBlim-MT	2010	6000
SSBlim	SSBlim-MT	2016	6000
Flim	-	-	-
ERlim	-	-	-

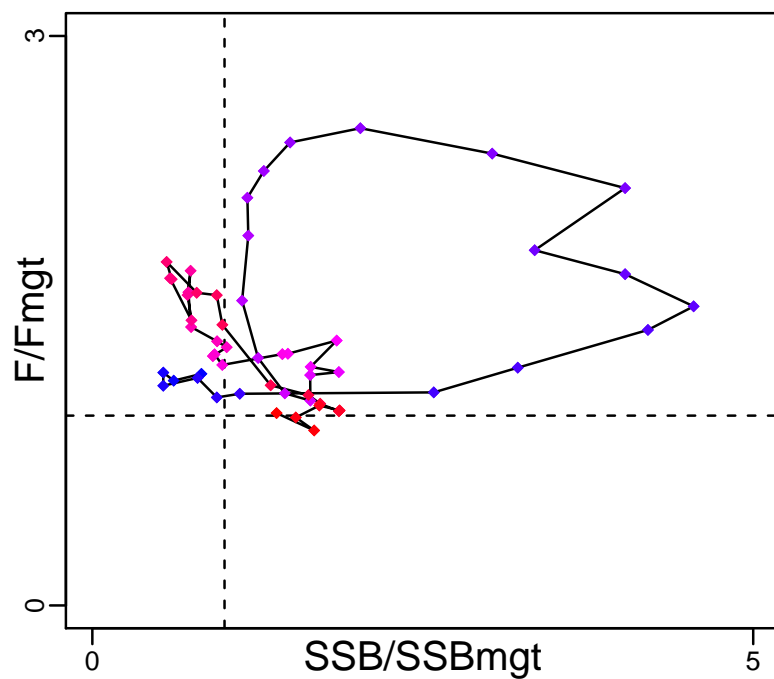
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	33,300	Both	-
SSB	SSB-MT	2016	13,200	Both	-
TN	-	-	-	-	-
R	R-E00	2016	1.53×10^8	-	1
F	F-1/yr	2016	0.263	-	4 to 6
ER	ER-calc-ratio	2016	0.146	-	-
TC	TC-MT	2016	4870		
TL	TL-MT	2016	4870		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.013		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.393		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.013		
ER/ERmgt	-	-	-		

Herring Northern Irish Sea [HERRNIRS]

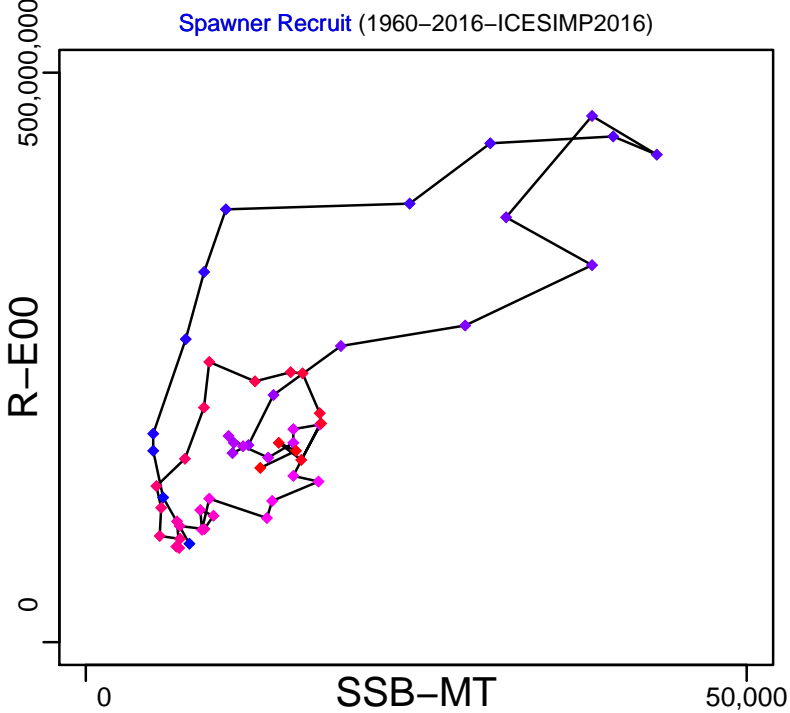
Kobe MSYpref (1960–2016–ICESIMP2016)



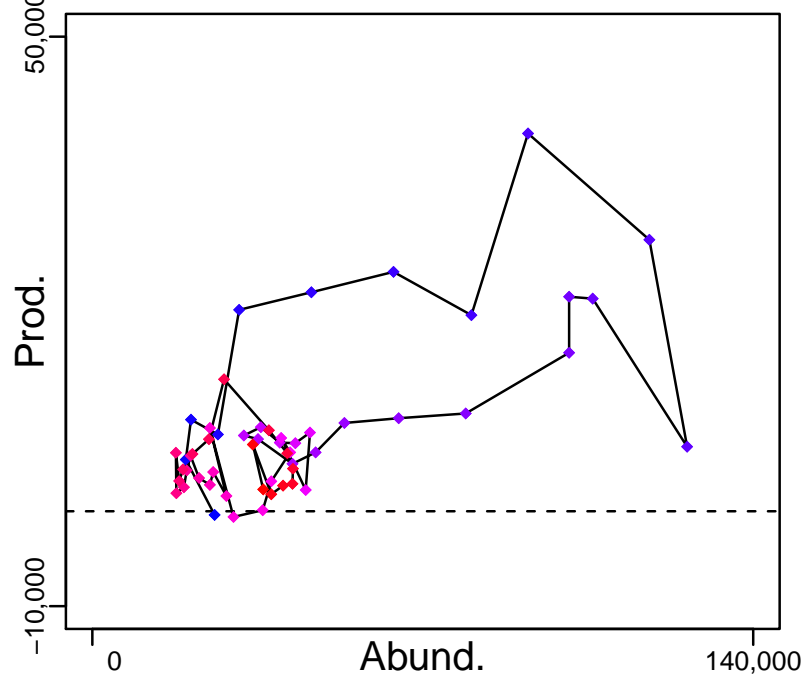
Kobe MGTpref (1960–2016–ICESIMP2016)



Spawner Recruit (1960–2016–ICESIMP2016)



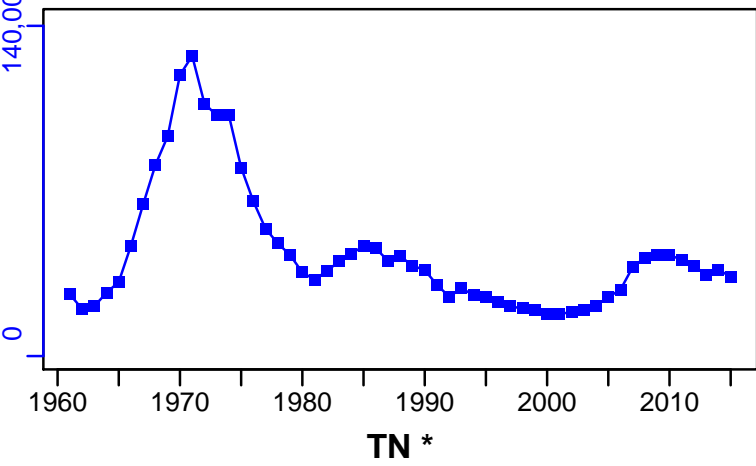
Production (1960–2016–ICESIMP2016)



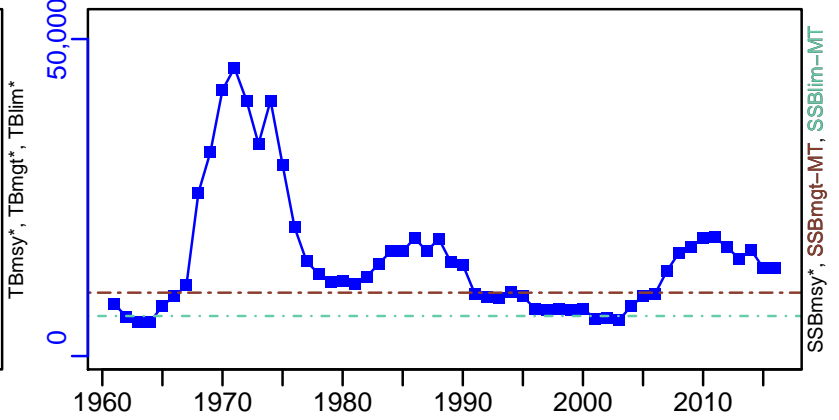
◆ Start Year ◆ End Year * No Data

Herring Northern Irish Sea [HERRNIRS]

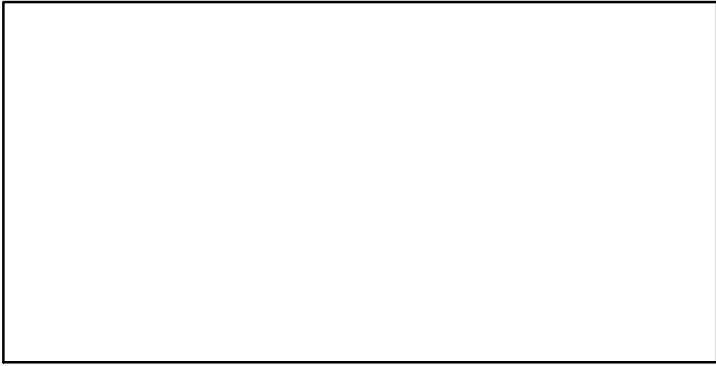
TB-MT (1960–2016–ICESIMP2016)



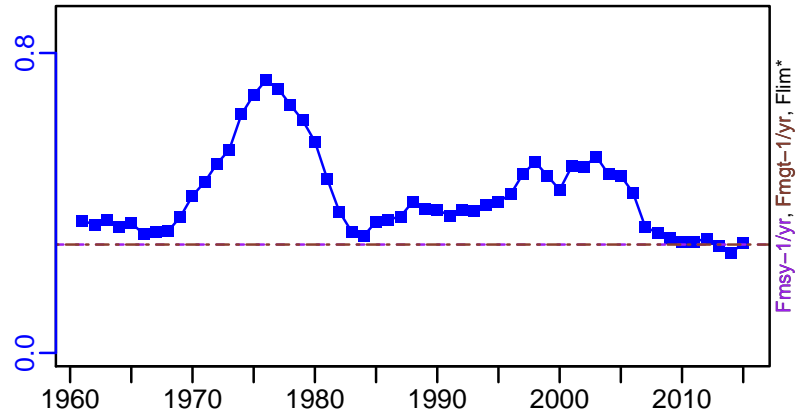
SSB-MT (1960–2016–ICESIMP2016)



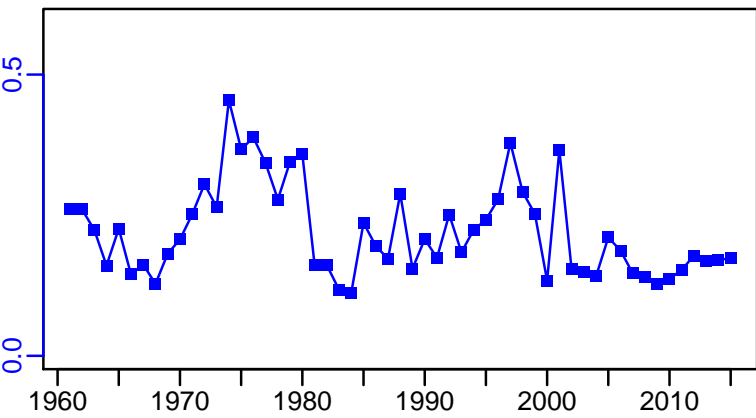
TN *



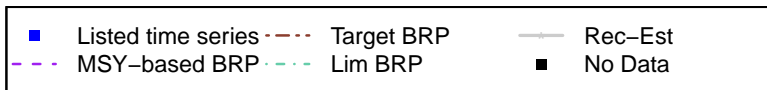
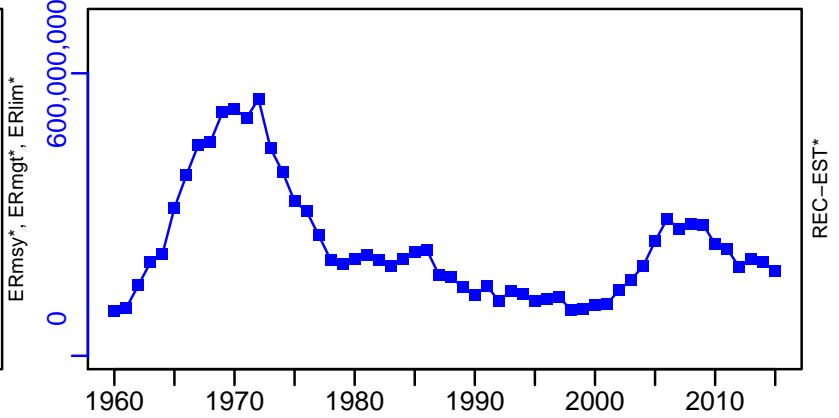
F-1/yr (1960–2016–ICESIMP2016)



ER-calc-ratio (1960–2016–ICESIMP2016)



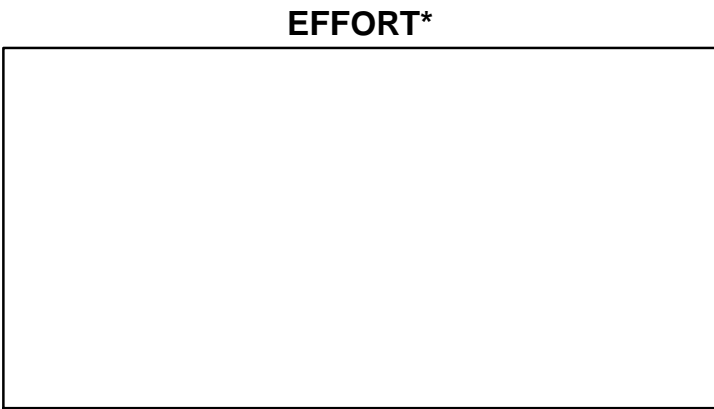
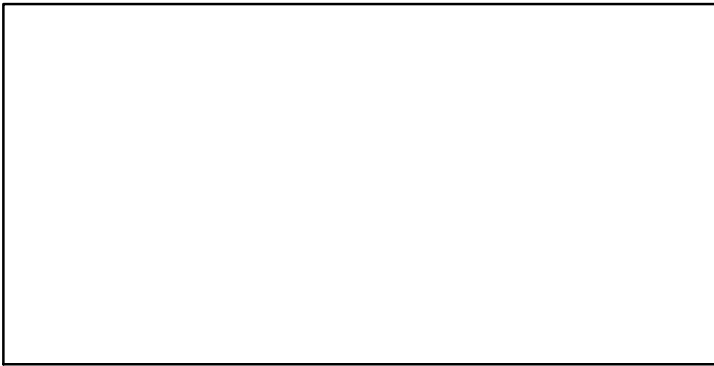
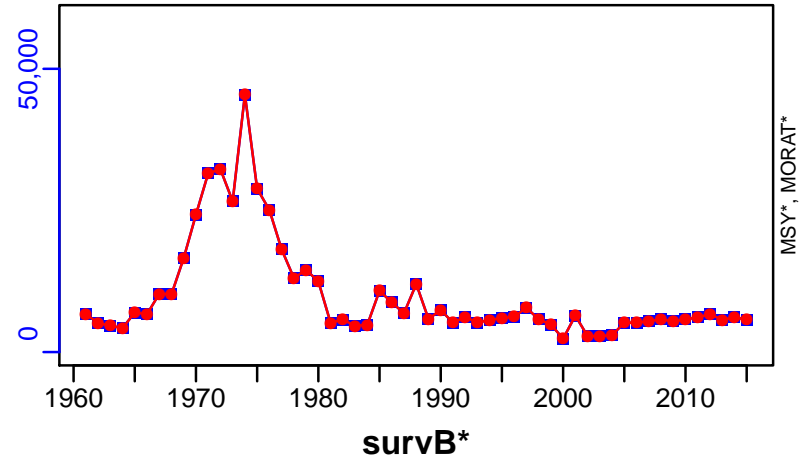
R-E00 (1960–2016–ICESIMP2016)



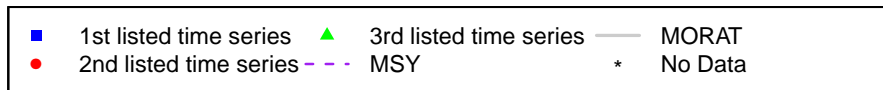
Herring Northern Irish Sea [HERRNIRS]

TC-MT, TL-MT, RecC* (1960–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Herring IIIa, VIId and North Sea [HERRNS-IIIa-VIId]

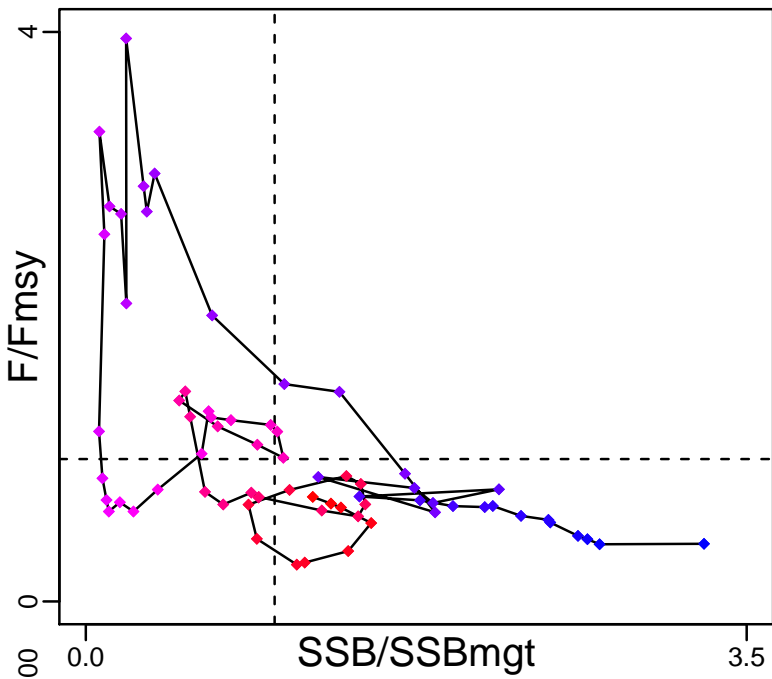
Metadata	
Scientific Name	Clupea harengus
Current Assess ID	HAWG-HERRNS-IIIa-VIId-1947-2016-ICESIMP2016
Area	IIIa, VIId and North Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Herring Assessment Working Group for the Area South of 62N
Asmts in RAM	2013, 2014, 2015, 2016, 2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.33
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	1,500,000
Fmgt	Fmgt-1/yr	2016	0.33
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	TBlim-MT	2011	8×10^5
SSBlim	SSBlim-MT	2016	8×10^5
Flim	Flim-1/yr	2016	0.39
ERlim	-	-	-

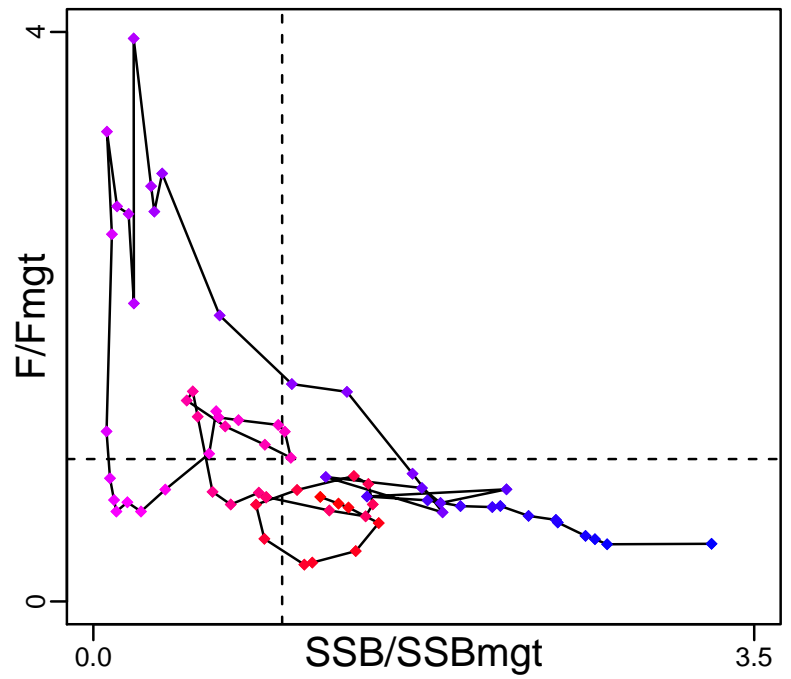
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	3,840,000	Both	-
SSB	SSB-MT	2016	2,010,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	2.34×10^{10}	-	-
F	F-1/yr	2016	0.242	-	-
ER	ER-calc-ratio	2016	0.129	-	-
TC	TC-MT	2016	494,000		
TL	TL-MT	2015	517,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.734		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.339		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.734		
ER/ERmgt	-	-	-		

Herring IIIa, VIId and North Sea [HERRNS-IIIa-VIId]

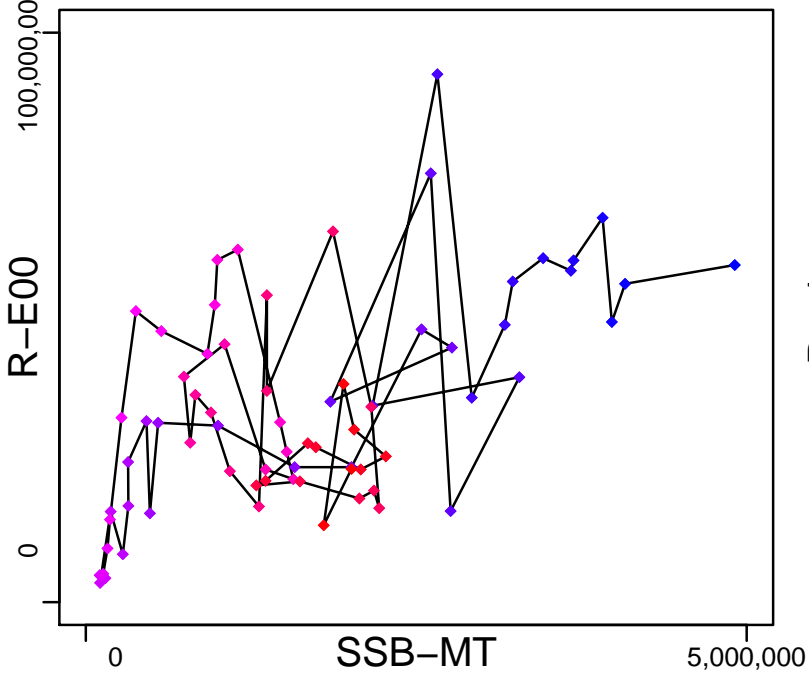
Kobe MSYpref (1947–2016–ICESIMP2016)



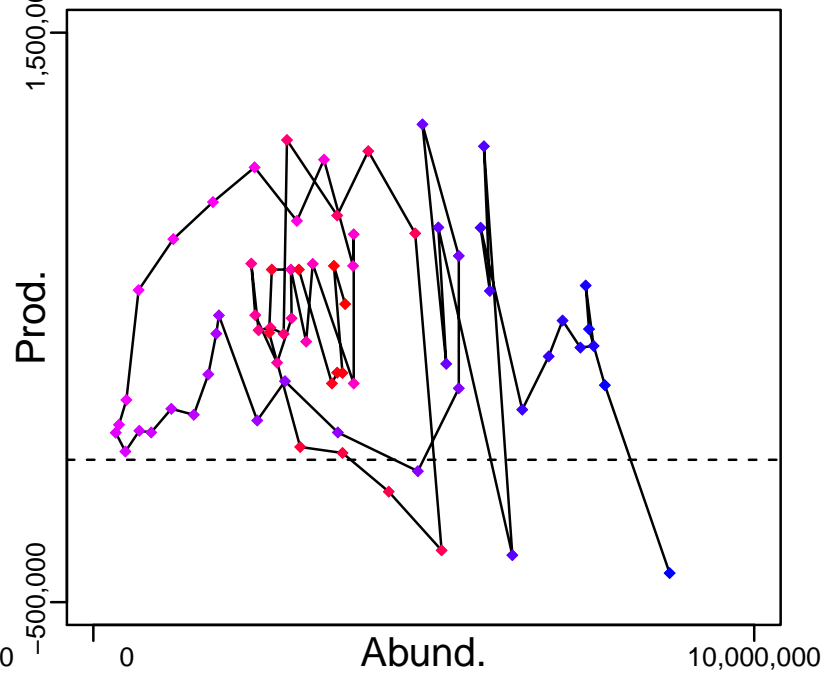
Kobe MGTpref (1947–2016–ICESIMP2016)



Spawner Recruit (1947–2016–ICESIMP2016)



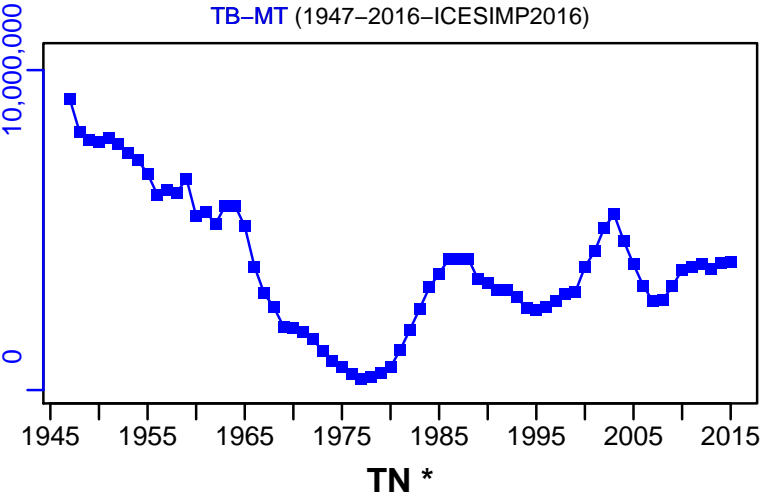
Production (1947–2016–ICESIMP2016)



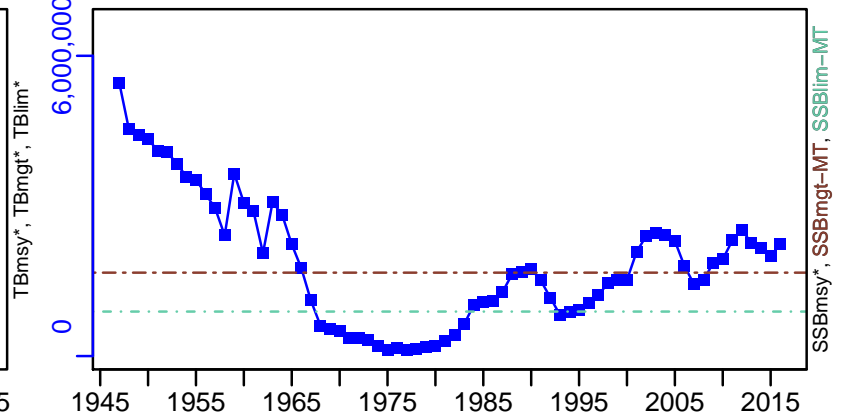
◆ Start Year ◆ End Year * No Data

Herring IIIa, VIId and North Sea [HERRNS-IIIa-VIId]

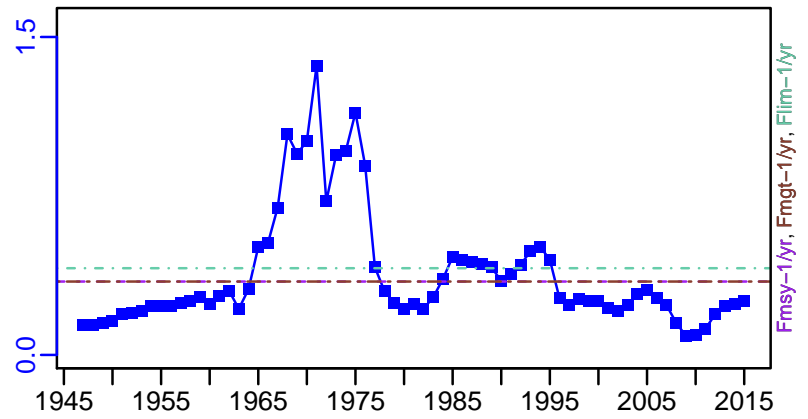
TB-MT (1947–2016–ICESIMP2016)



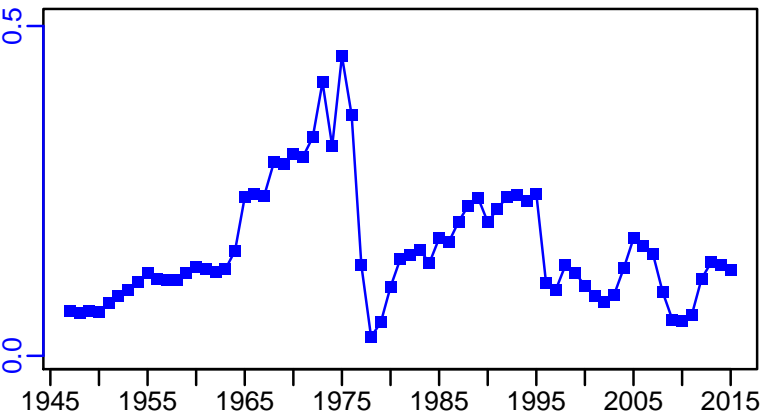
SSB-MT (1947–2016–ICESIMP2016)



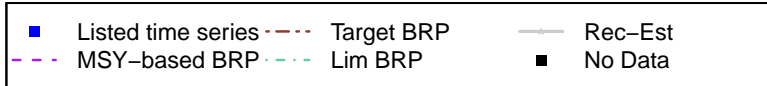
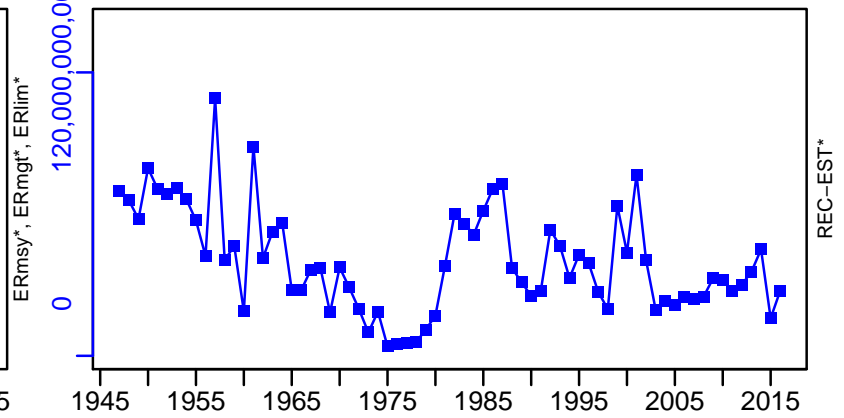
F-1/yr (1947–2016–ICESIMP2016)



ER-calc-ratio (1947–2016–ICESIMP2016)



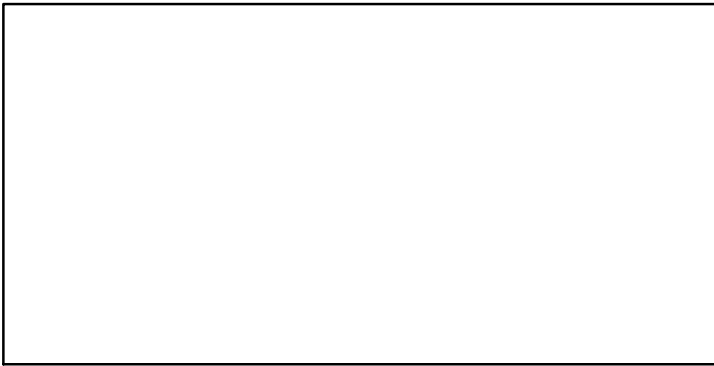
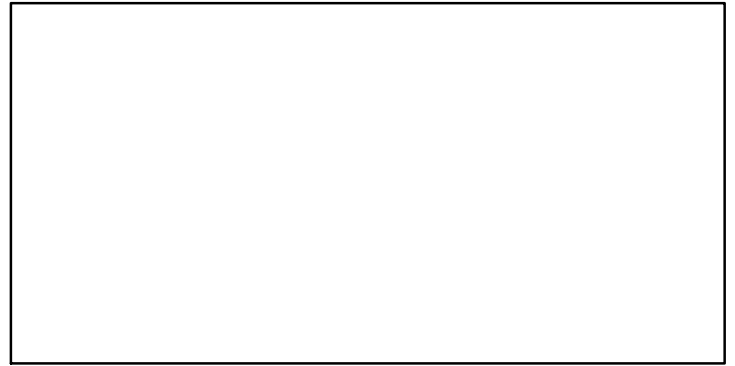
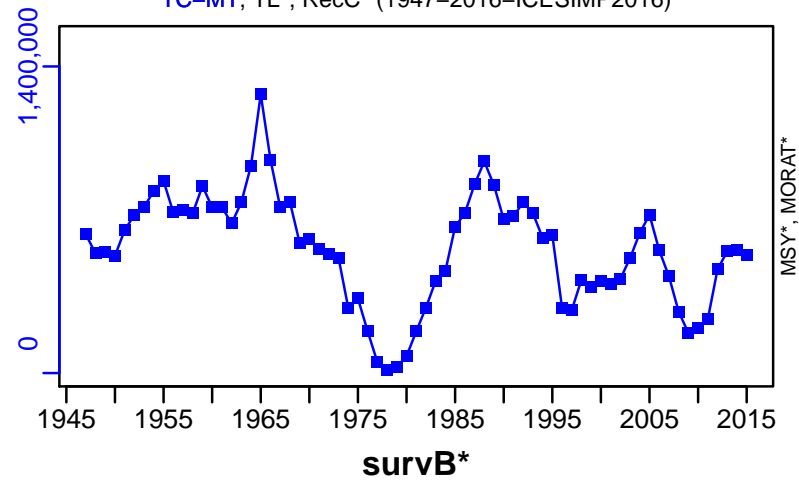
R-E00 (1947–2016–ICESIMP2016)



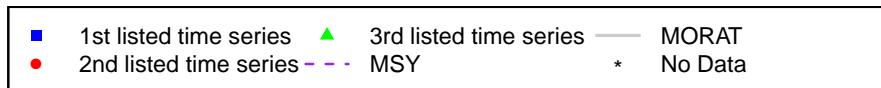
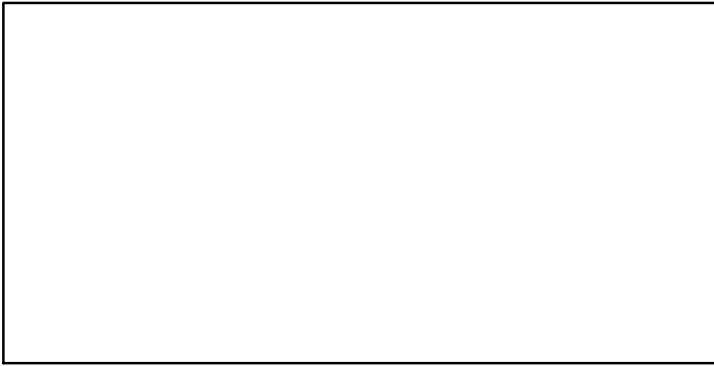
Herring IIIa, VIId and North Sea [HERRNS-IIIa-VIId]

TC-MT, TL*, RecC* (1947-2016-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Herring ICES 28 [HERRRIGA]

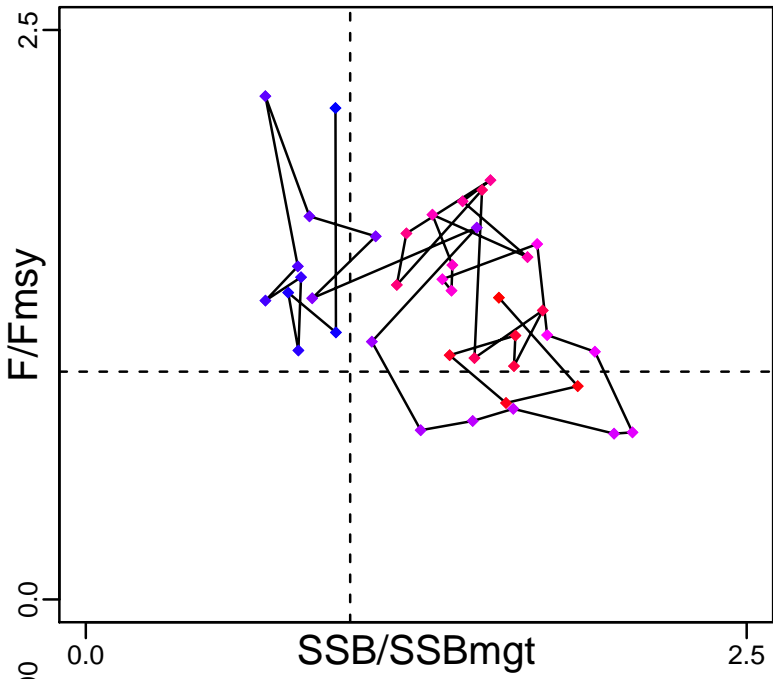
Metadata	
Scientific Name	Clupea harengus
Current Assess ID	WGBFAS-HERRRIGA-1976-2016-ICESIMP2016
Area	Gulf of Riga East of Gotland
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2011, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2011	60,000
Fmsy	Fmsy-1/yr	2016	0.32
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	60,000
Fmgt	Fmgt-1/yr	2016	0.32
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.2
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	40,800
Flim	Flim-1/yr	2016	0.88
ERlim	-	-	-

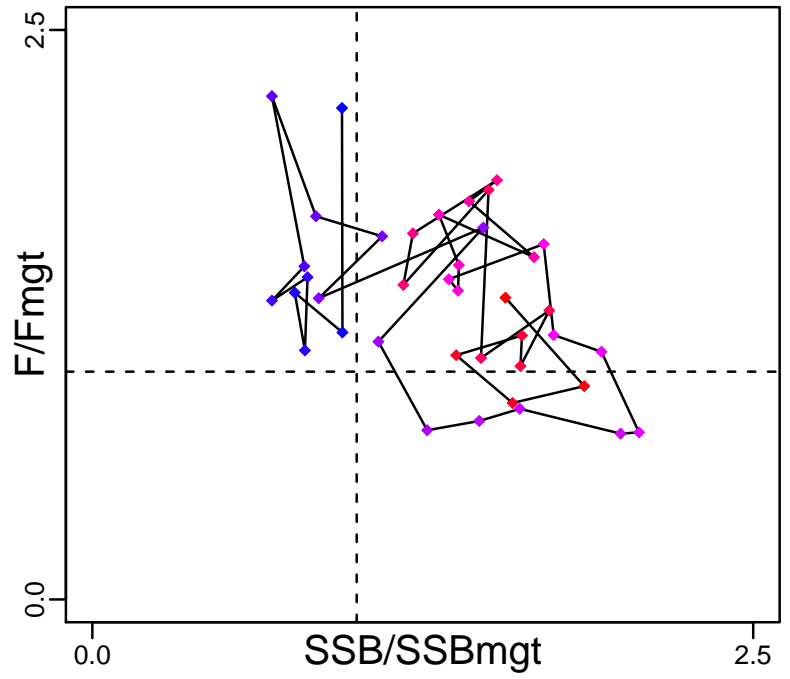
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	128,000	Both	-
SSB	SSB-MT	2016	78,200	Both	-
TN	-	-	-	-	-
R	R-E00	2016	2.99×10^9	-	1
F	F-1/yr	2016	0.424	-	3 to 7
ER	ER-calc-ratio	2016	0.256	-	-
TC	TC-MT	2016	32,900		
TL	TL-MT	2016	32,900		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2011	1.262		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.325		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.304		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.325		
ER/ERmgt	-	-	-		

Herring ICES 28 [HERRRIGA]

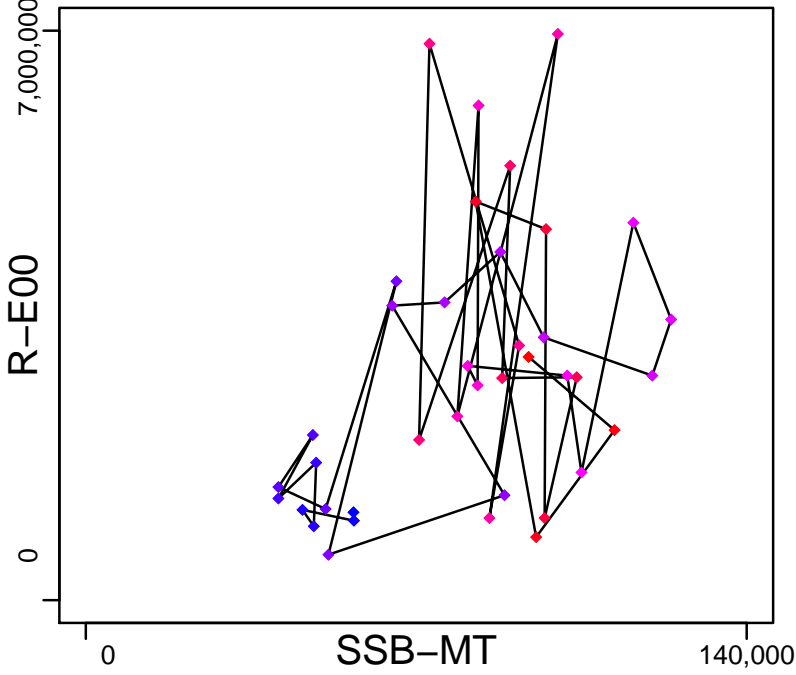
Kobe MSYpref (1976–2016–ICESIMP2016)



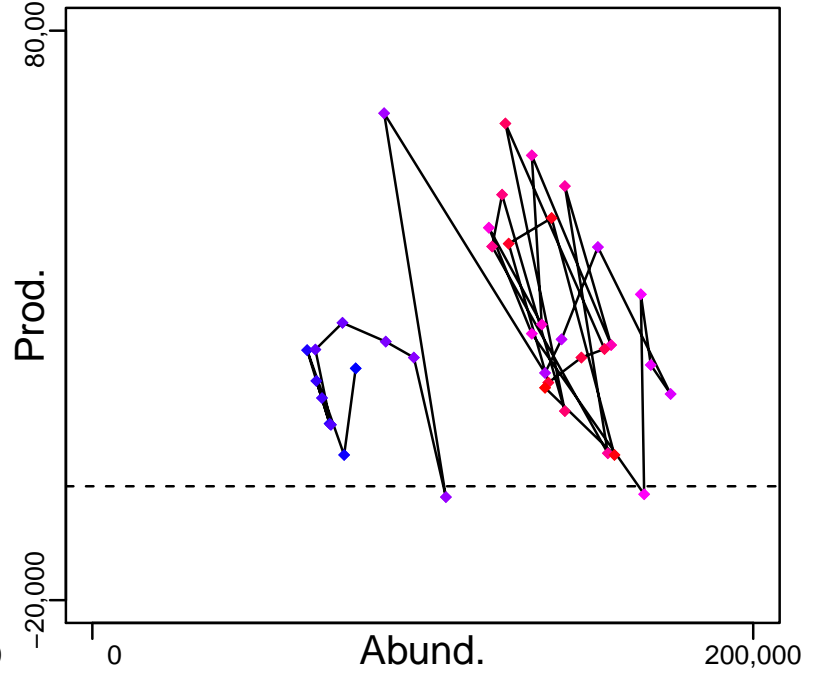
Kobe MGTpref (1976–2016–ICESIMP2016)



Spawner Recruit (1976–2016–ICESIMP2016)

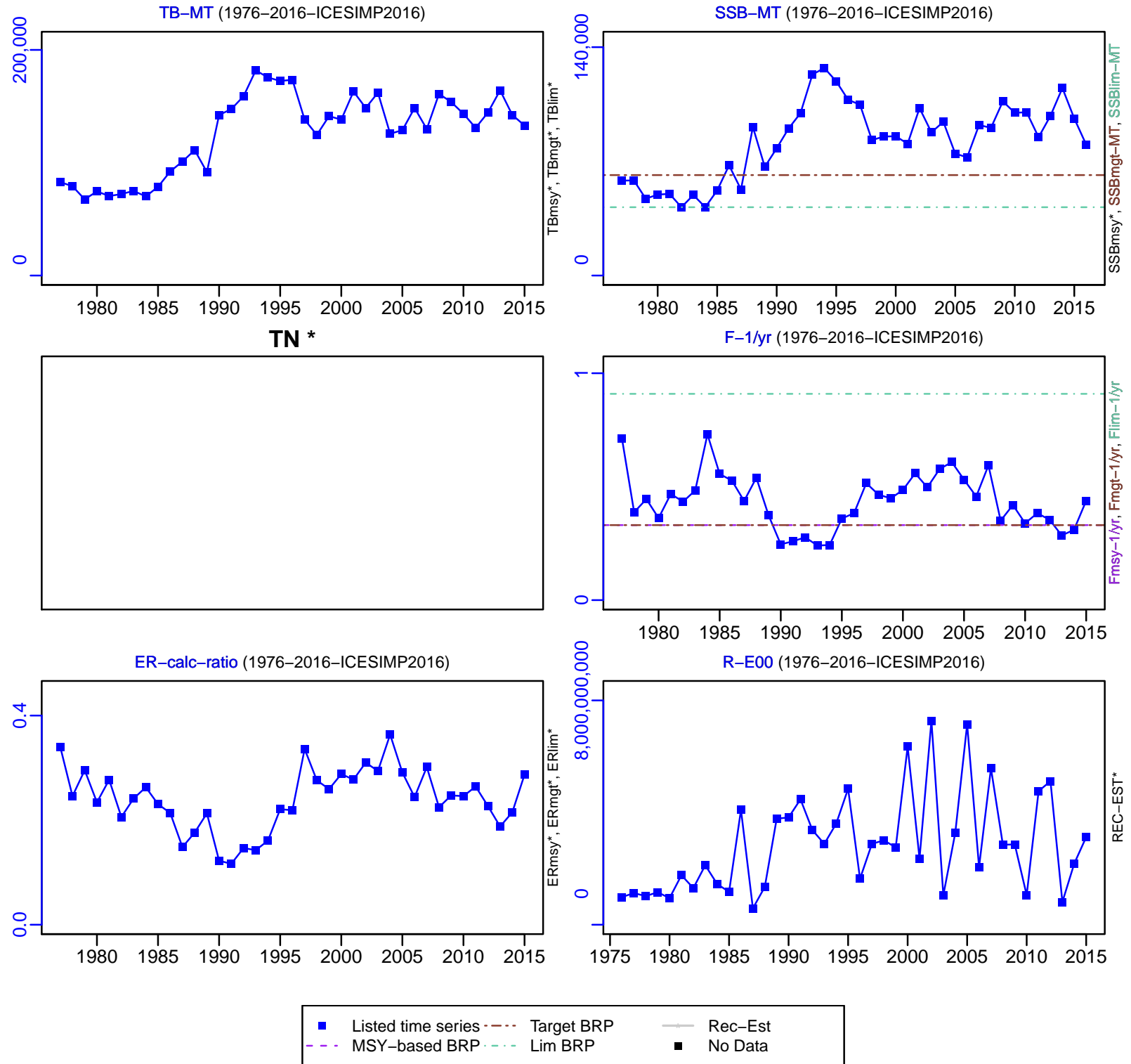


Production (1976–2016–ICESIMP2016)



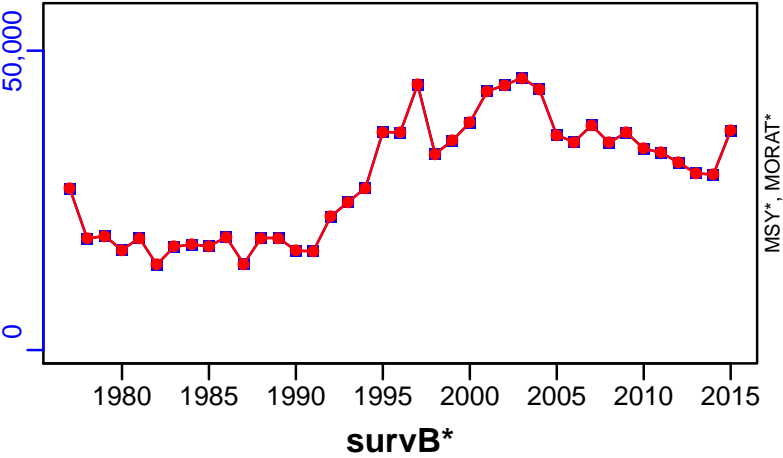
◆ Start Year ◆ End Year * No Data

Herring ICES 28 [HERRRIGA]

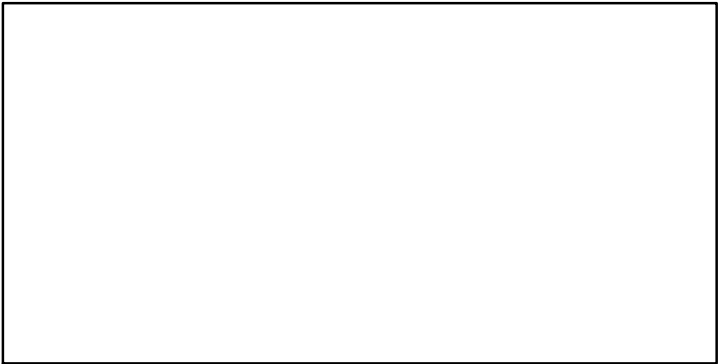


Herring ICES 28 [HERRRIGA]

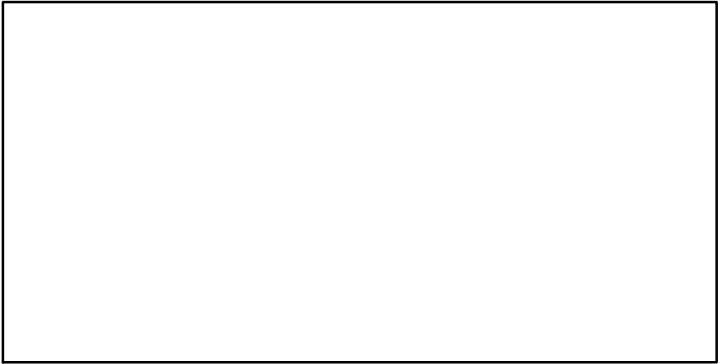
TC-MT, TL-MT, RecC* (1976-2016-ICESIMP2016)



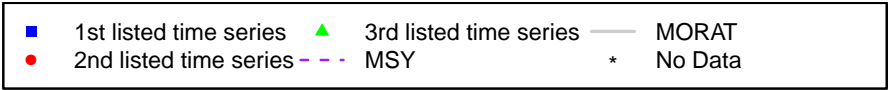
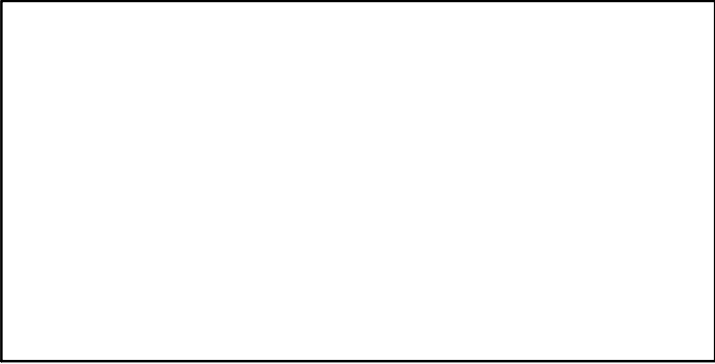
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Herring ICES VIIa-g-h-j [HERRSIRS]

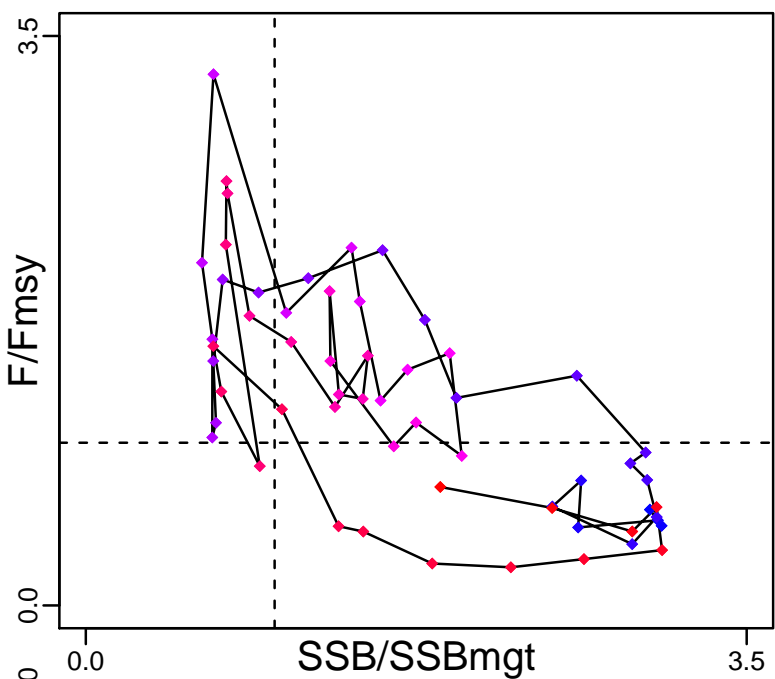
Metadata	
Scientific Name	Clupea harengus
Current Assess ID	HAWG-HERRSIRS-1957-2016-ICESIMP2016
Area	ICES VIIa-g-h-j
Management Authority	International Council for the Exploration of the Sea
Assessor	Herring Assessment Working Group for the Area South of 62N
Asmts in RAM	2010, 2012, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.26
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	54,000
Fmgt	Fmgt-1/yr	2016	0.26
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	TBlim-MT	2010	26,000
SSBlim	SSBlim-MT	2016	33,000
Flim	Flim-1/yr	2016	0.61
ERlim	-	-	-

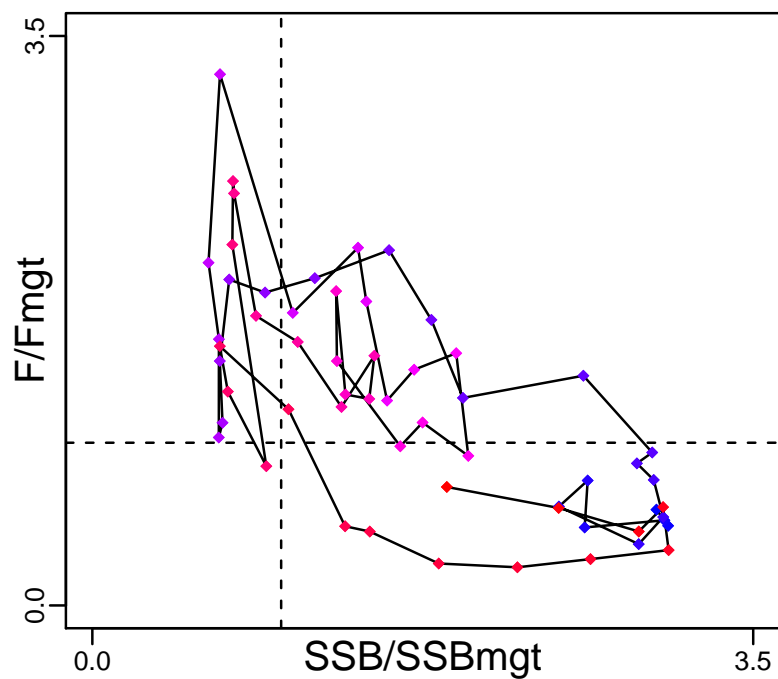
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	145,000	Both	-
SSB	SSB-MT	2016	84,900	Both	-
TN	-	-	-	-	-
R	R-E00	2016	5.38×10^8	-	1
F	F-1/yr	2016	0.189	-	2 to 5
ER	ER-calc-ratio	2016	0.126	-	-
TC	TC-MT	2016	18,400		
TL	TL-MT	2014	16,100		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.728		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.573		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.728		
ER/ERmgt	-	-	-		

Herring ICES VIIa-g-h-j [HERRSIRS]

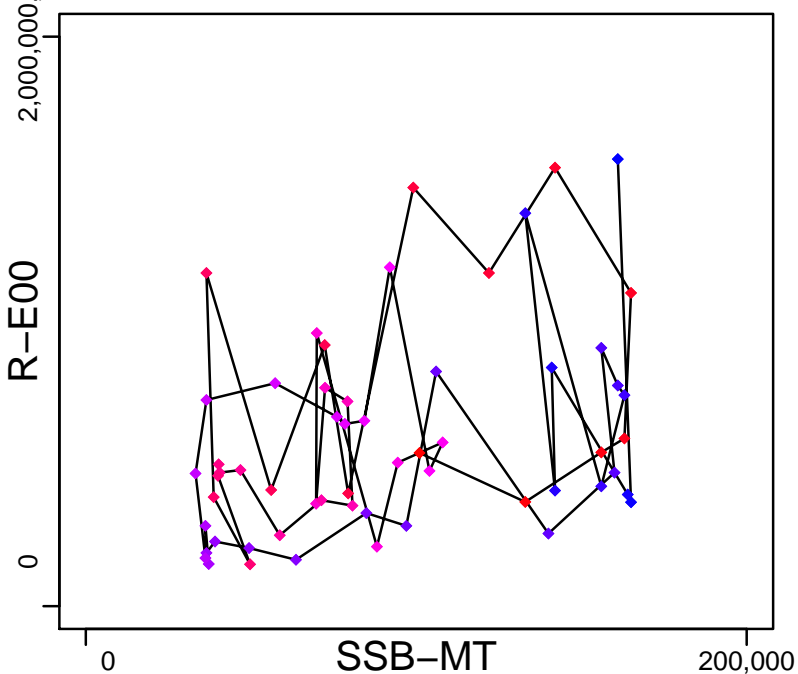
Kobe MSYpref (1957–2016–ICESIMP2016)



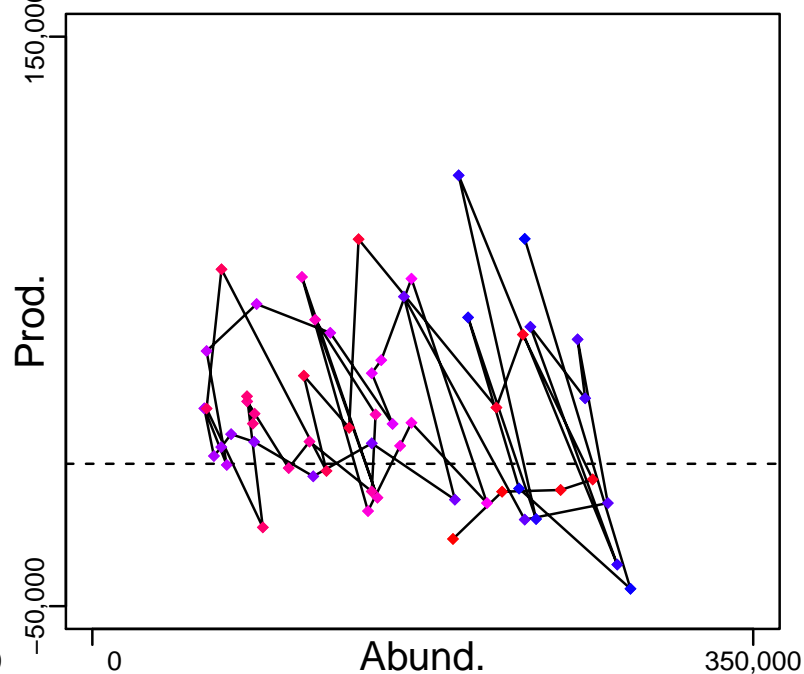
Kobe MGTpref (1957–2016–ICESIMP2016)



Spawner Recruit (1957–2016–ICESIMP2016)



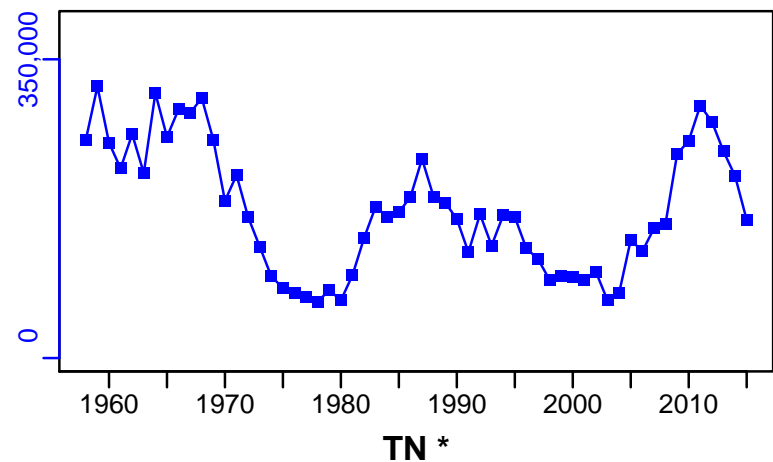
Production (1957–2016–ICESIMP2016)



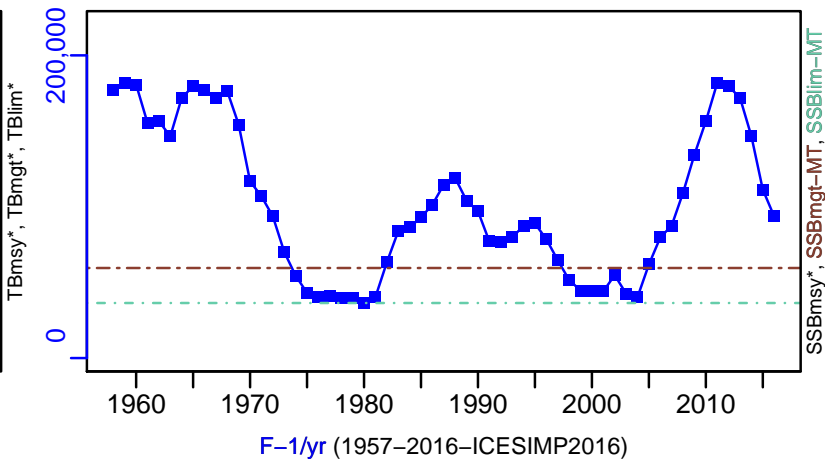
◆ Start Year ◆ End Year * No Data

Herring ICES VIIa-g-h-j [HERRSIRS]

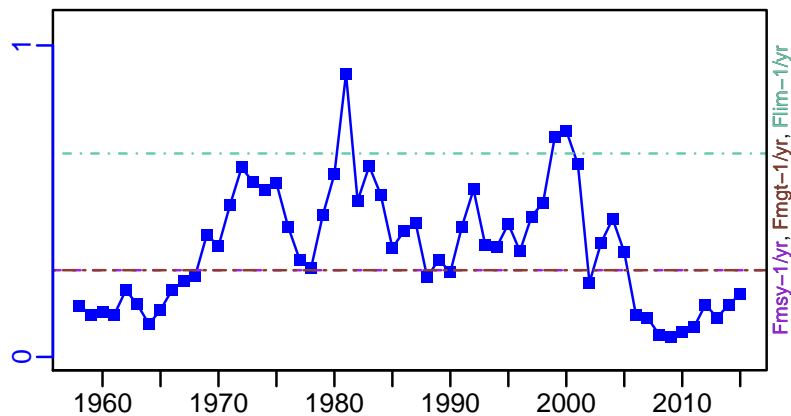
TB-MT (1957-2016-ICESIMP2016)



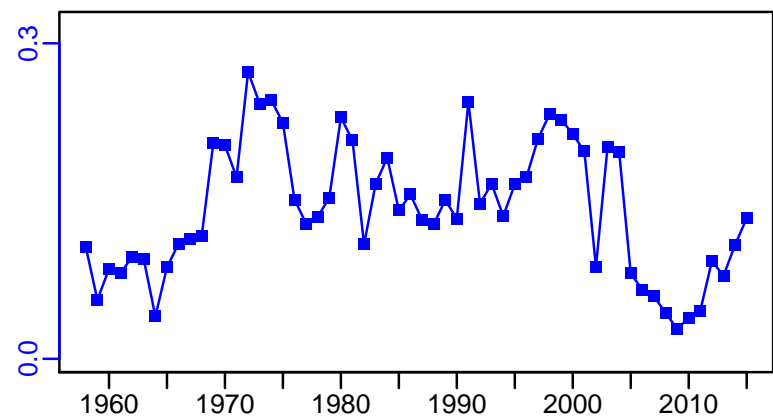
SSB-MT (1957-2016-ICESIMP2016)



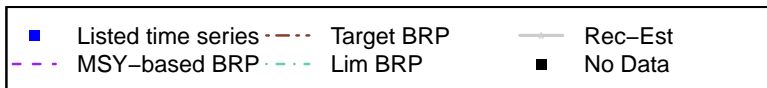
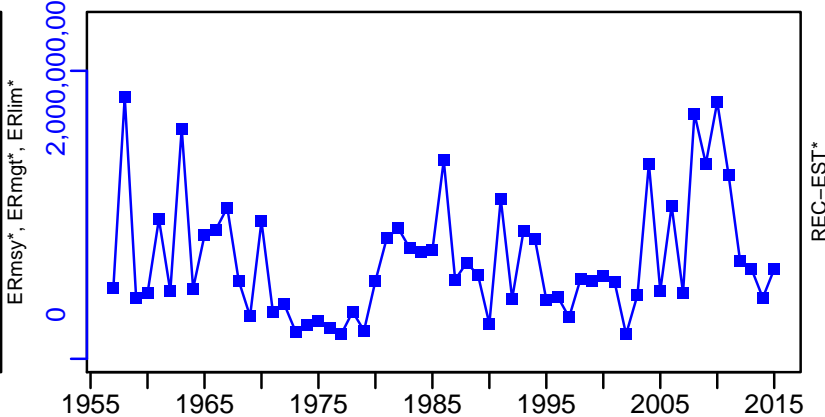
F-1/yr (1957-2016-ICESIMP2016)



ER-calc-ratio (1957-2016-ICESIMP2016)



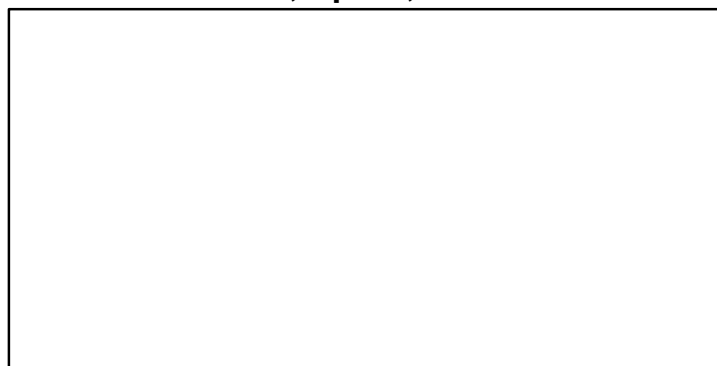
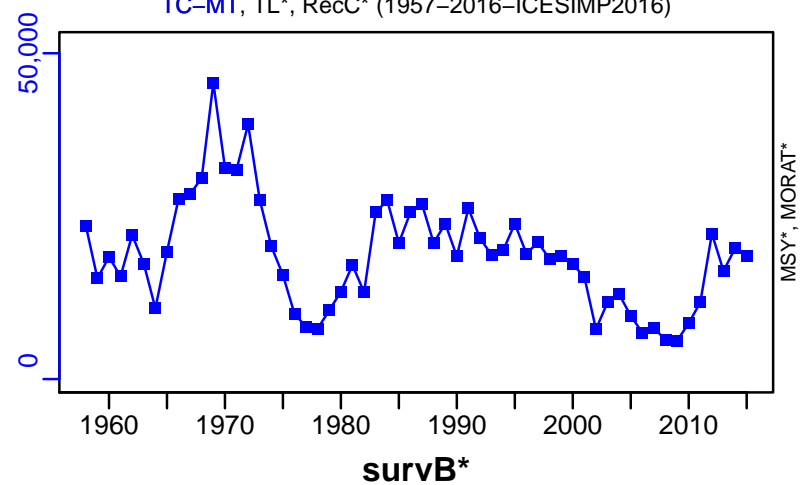
R-E00 (1957-2016-ICESIMP2016)



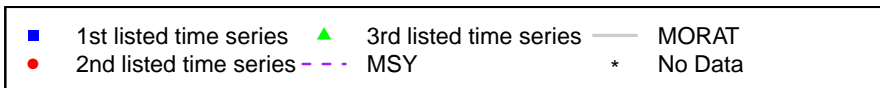
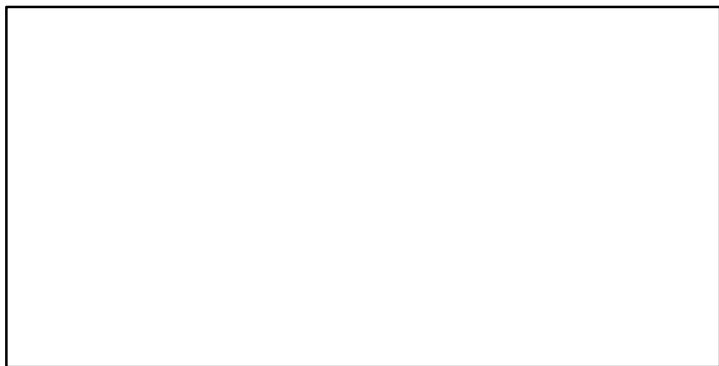
Herring ICES VIIa-g-h-j [HERRSIRS]

TC-MT, TL*, RecC* (1957-2016-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Herring ICES VIa [HERRVIa]

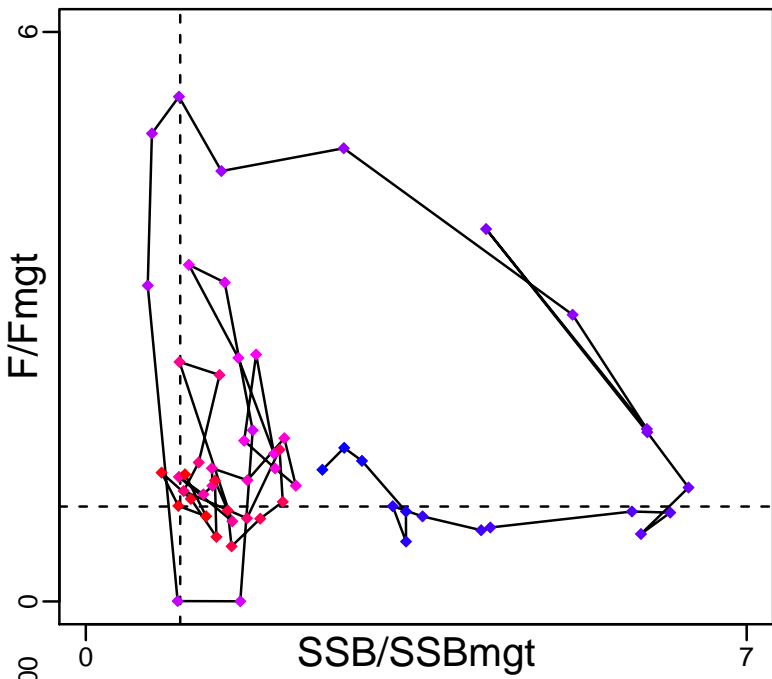
Metadata	
Scientific Name	Clupea harengus
Current Assess ID	HAWG-HERRVIa-1956-2014-ICESIMP2016
Area	West of Scotland
Management Authority	International Council for the Exploration of the Sea
Assessor	Herring Assessment Working Group for the Area South of 62N
Asmts in RAM	2010, 2013, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2010	0.25
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2014	75,000
Fmgt	Fmgt-1/yr	2014	0.2
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	TBlim-MT	2010	50,000
SSBlim	SSBlim-MT	2014	50,000
Flim	-	-	-
ERlim	-	-	-

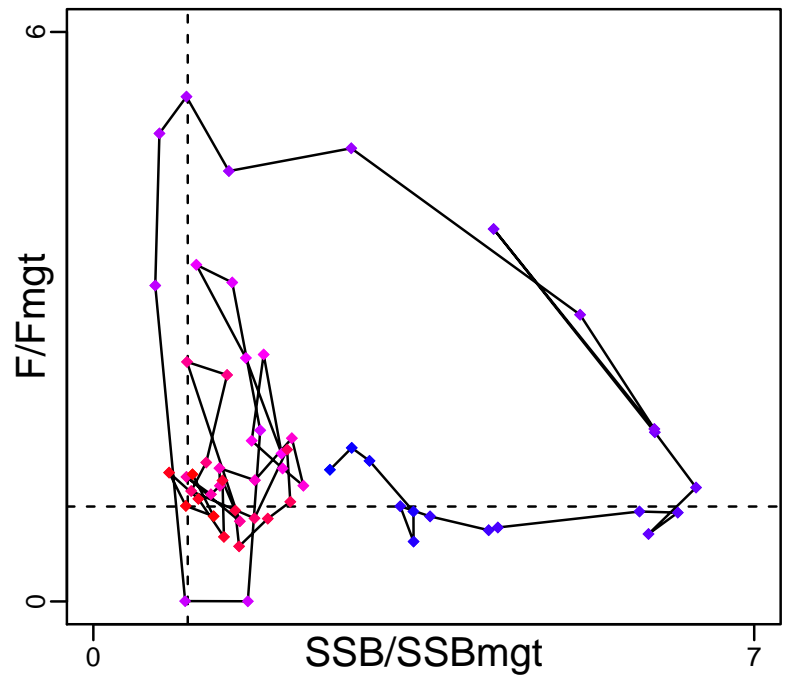
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	114,000	Both	-
SSB	SSB-MT	2014	78,800	Both	-
TN	-	-	-	-	-
R	R-E00	2014	6×10^8	-	1
F	F-1/yr	2014	0.268	-	3 to 6 ringer
ER	ER-calc-ratio	2014	0.202	-	-
TC	-	-	-		
TL	TL-MT	2014	23,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2010	1.064		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	1.05		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.339		
ER/ERmgt	-	-	-		

Herring ICES Vla [HERRVla]

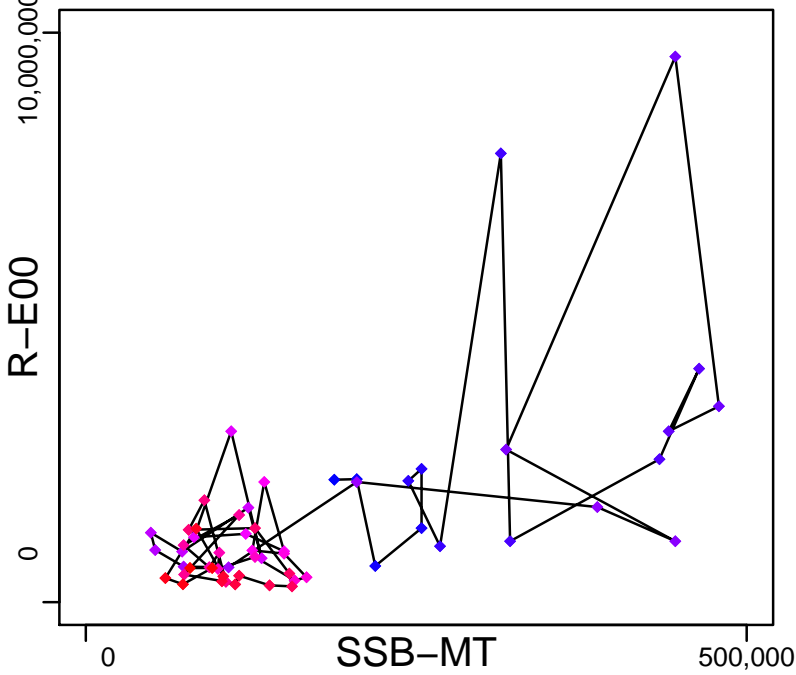
Kobe MSYpref (1956–2014–ICESIMP2016)



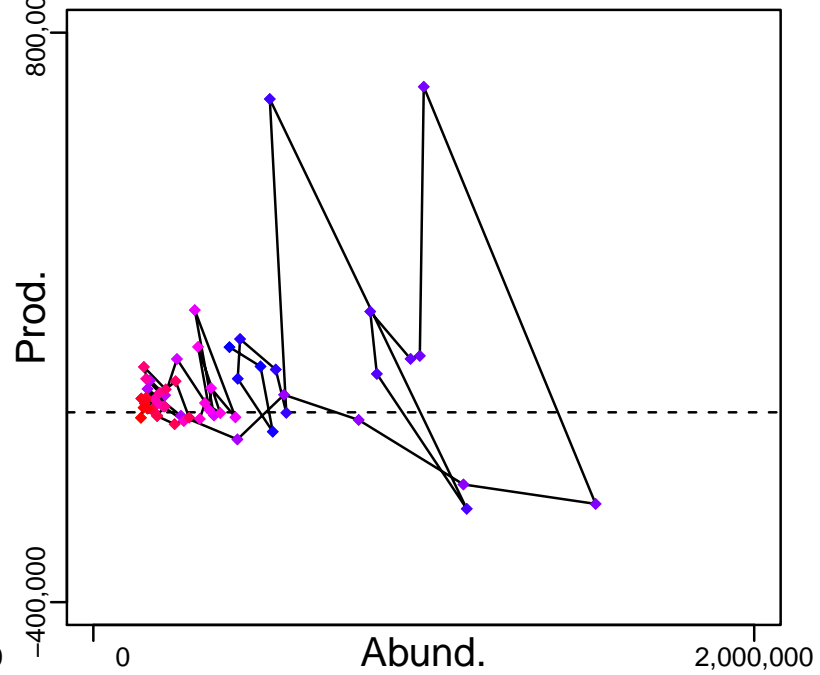
Kobe MGTpref (1956–2014–ICESIMP2016)



Spawner Recruit (1956–2014–ICESIMP2016)



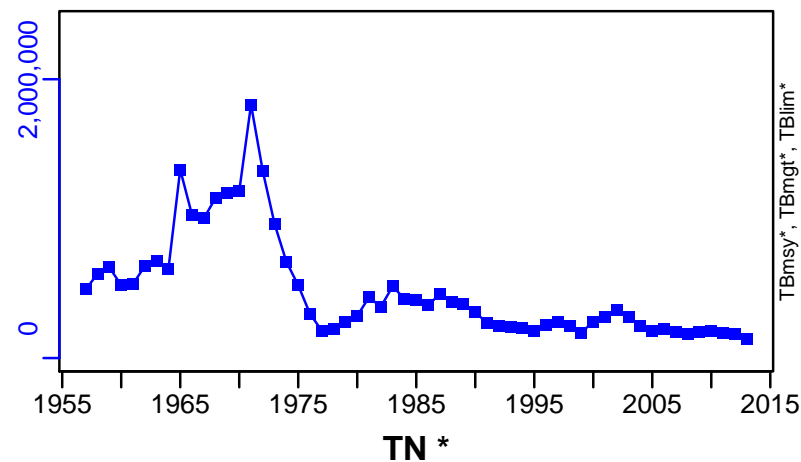
Production (1956–2014–ICESIMP2016)



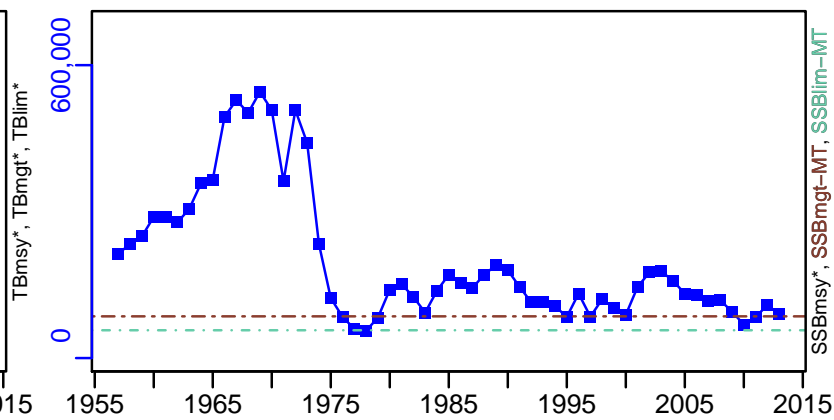
◆ Start Year ◆ End Year * No Data

Herring ICES Vla [HERRVla]

TB-MT (1956–2014–ICESIMP2016)



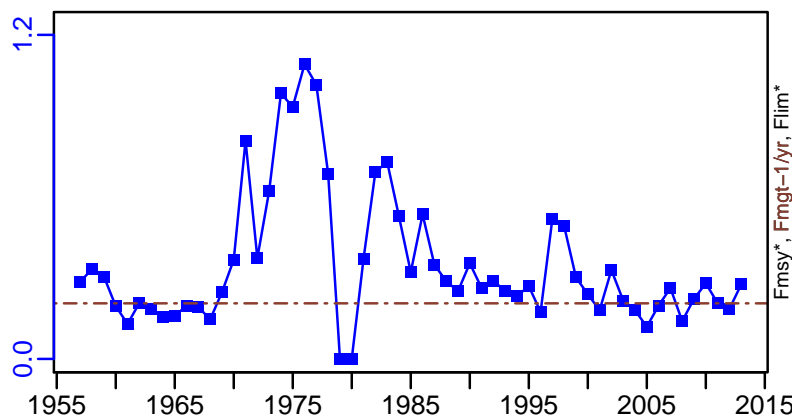
SSB-MT (1956–2014–ICESIMP2016)



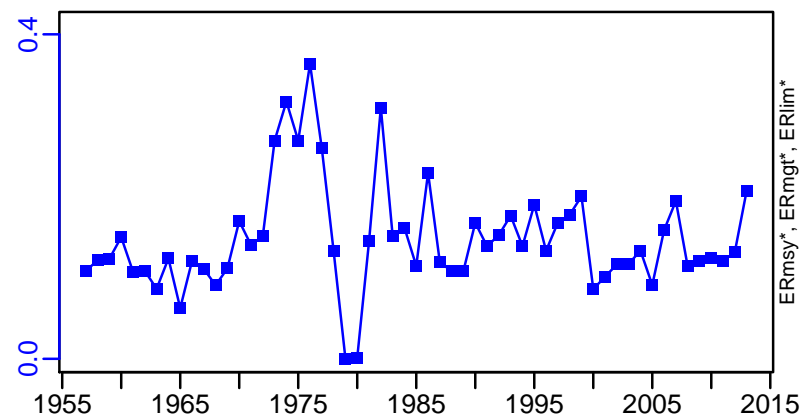
TN *



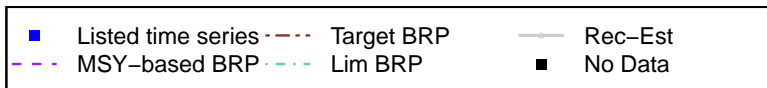
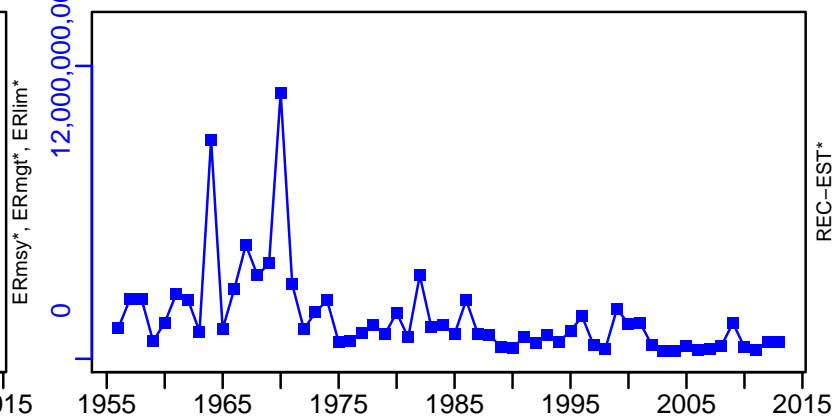
F-1/yr (1956–2014–ICESIMP2016)



ER-calc-ratio (1956–2014–ICESIMP2016)

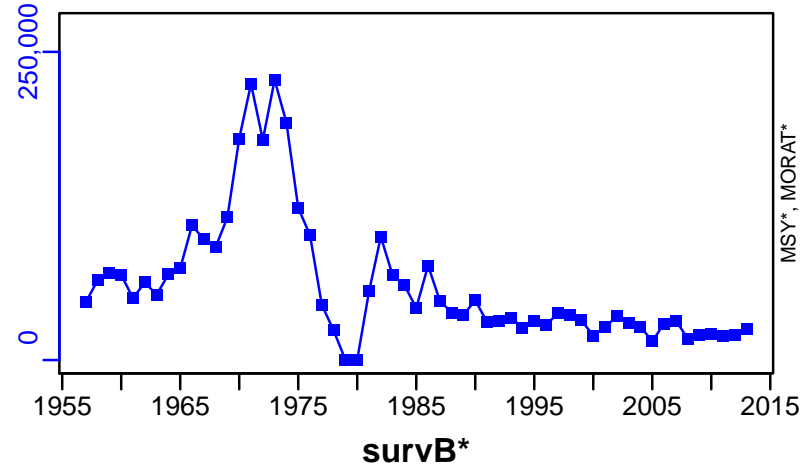


R-E00 (1956–2014–ICESIMP2016)



Herring ICES VIa [HERRVIa]

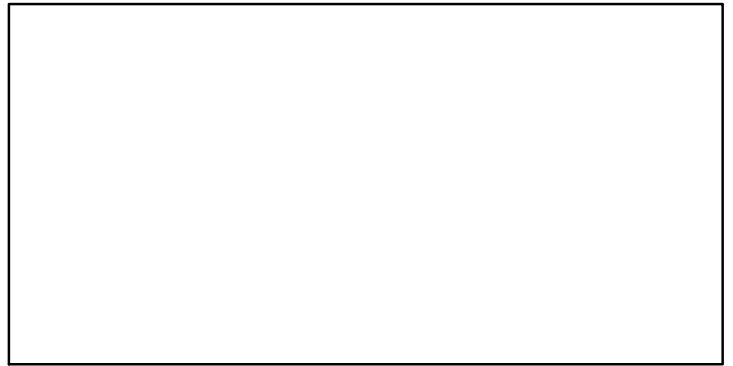
TL-MT, TC*, RecC* (1956–2014–ICESIMP2016)



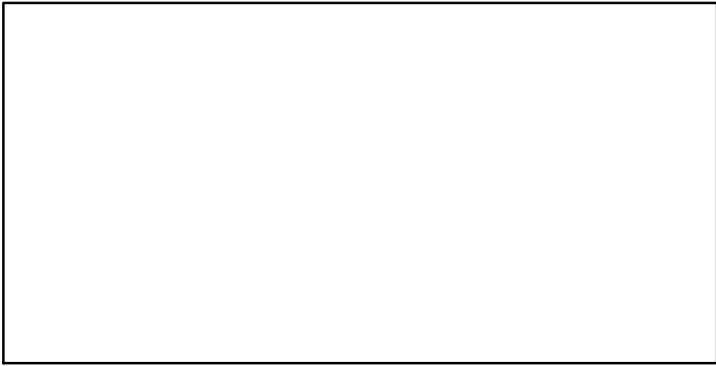
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Herring ICES VIa-VIIb-VIIc [HERRVIaVIIbc]

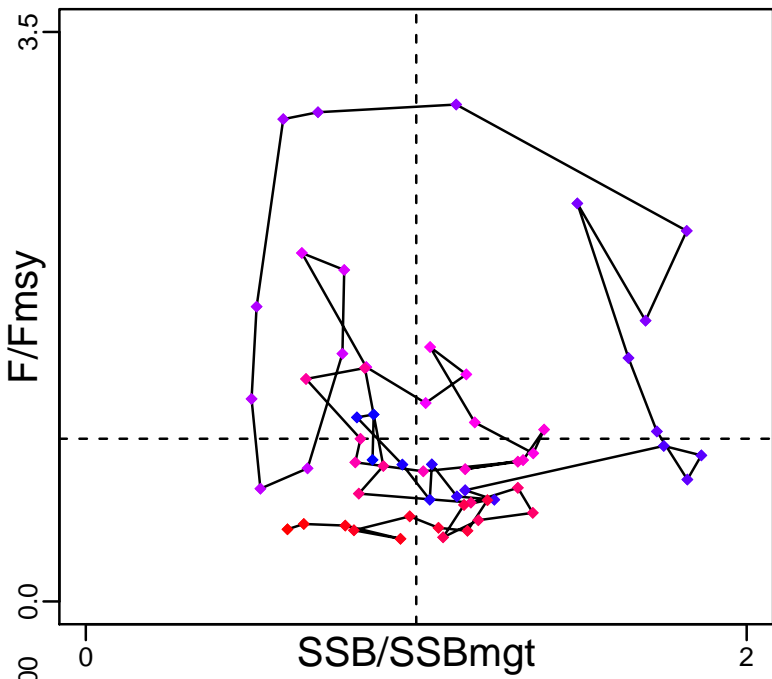
Metadata	
Scientific Name	Clupea harengus
Current Assess ID	HAWG-HERRVIaVIIbc-1956-2016-ICESIMP2016
Area	VIa, VIIb and VIIc
Management Authority	International Council for the Exploration of the Sea
Assessor	Herring Assessment Working Group for the Area South of 62N
Asmts in RAM	2010, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.16
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	410,000
Fmgt	Fmgt-1/yr	2016	0.16
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	TBlim-MT	2010	81,000
SSBlim	SSBlim-MT	2016	250,000
Flim	Flim-1/yr	2016	0.3
ERlim	-	-	-

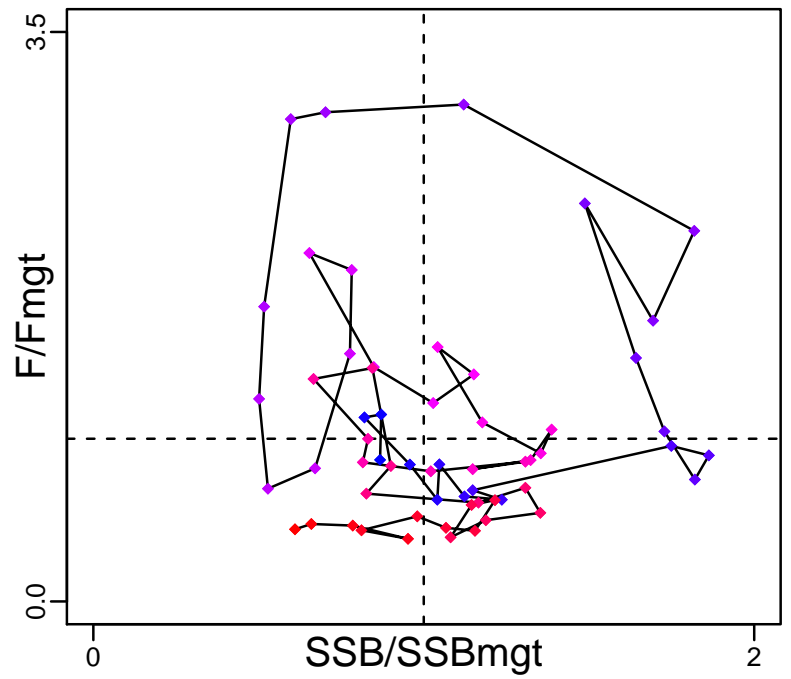
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	419,000	Both	-
SSB	SSB-MT	2016	214,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	9.09×10^8	-	1
F	F-1/yr	2016	0.071	-	3 to 6
ER	ER-calc-ratio	2016	0.047	-	-
TC	TC-MT	2016	19,900		
TL	TL-MT	2015	27,100		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.443		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.522		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.443		
ER/ERmgt	-	-	-		

Herring ICES VIa-VIIb-VIIc [HERRVIaVIIbc]

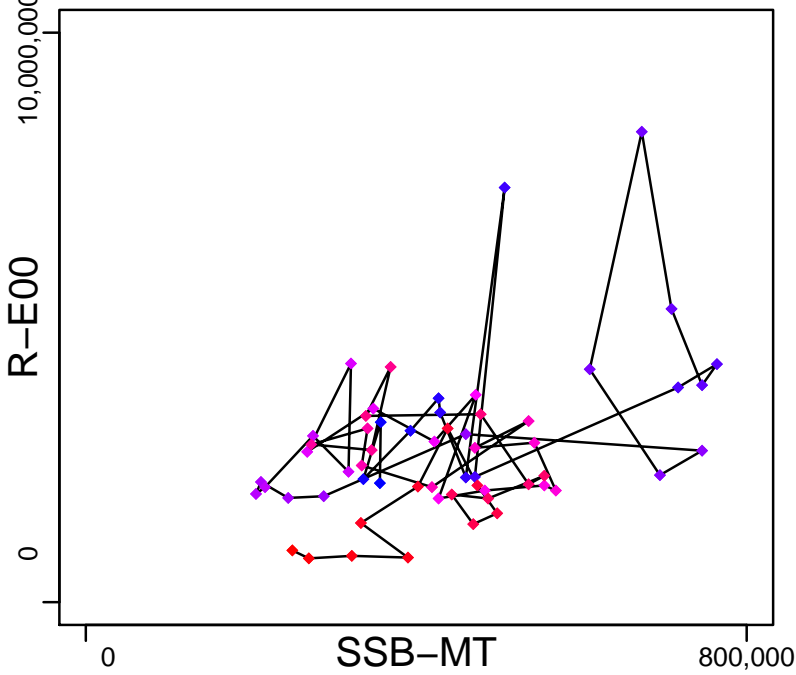
Kobe MSYpref (1956-2016-ICESIMP2016)



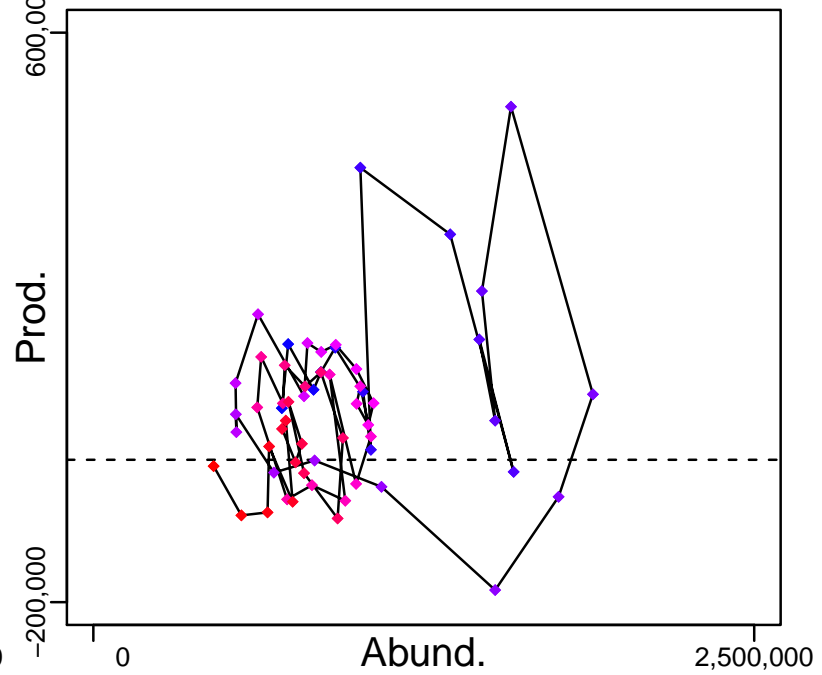
Kobe MGTpref (1956-2016-ICESIMP2016)



Spawner Recruit (1956-2016-ICESIMP2016)



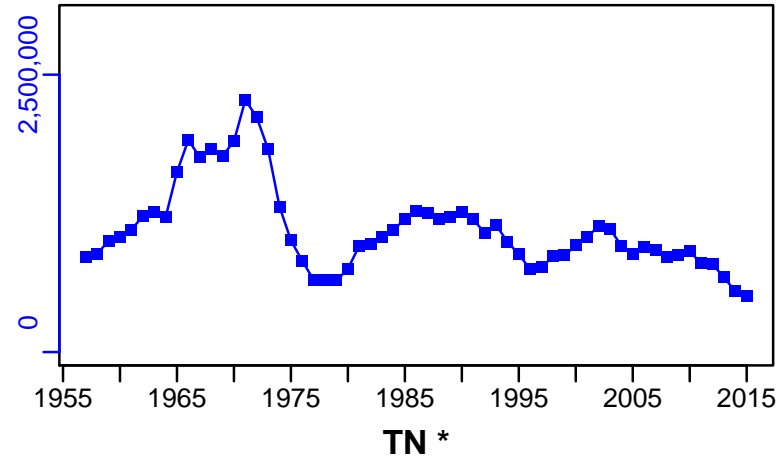
Production (1956-2016-ICESIMP2016)



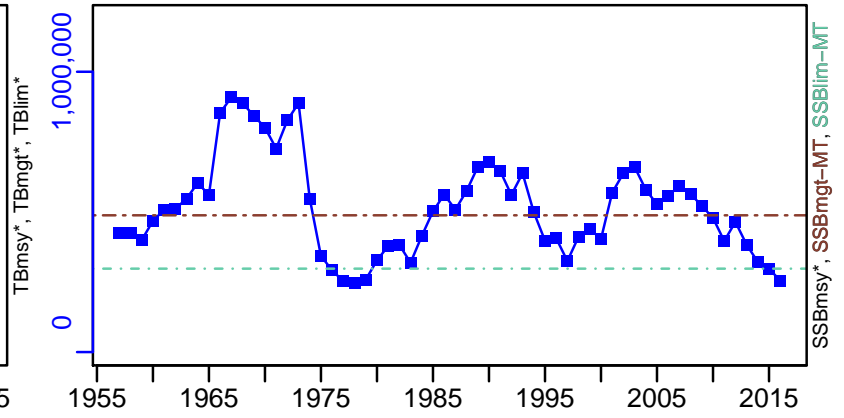
◆ Start Year ◆ End Year * No Data

Herring ICES VIa–VIIb–VIIc [HERRVIaVIIbc]

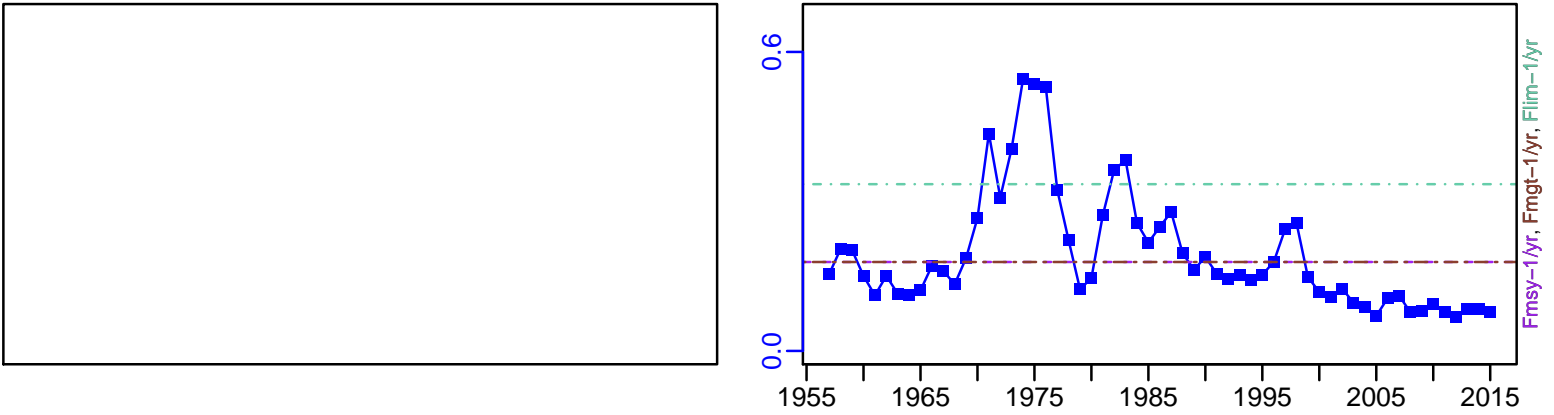
TB-MT (1956–2016–ICESIMP2016)



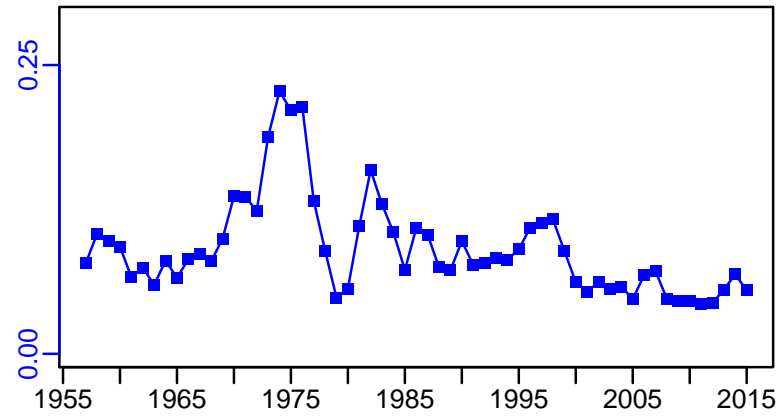
SSB-MT (1956–2016–ICESIMP2016)



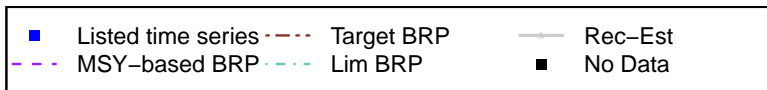
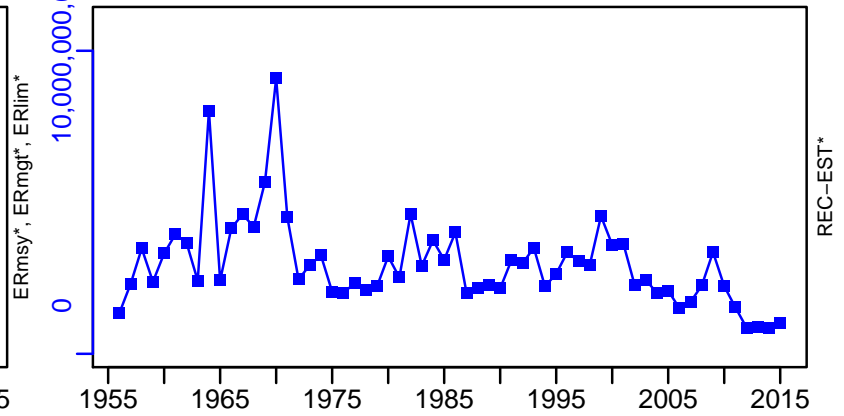
F-1/yr (1956–2016–ICESIMP2016)



ER-calc-ratio (1956–2016–ICESIMP2016)

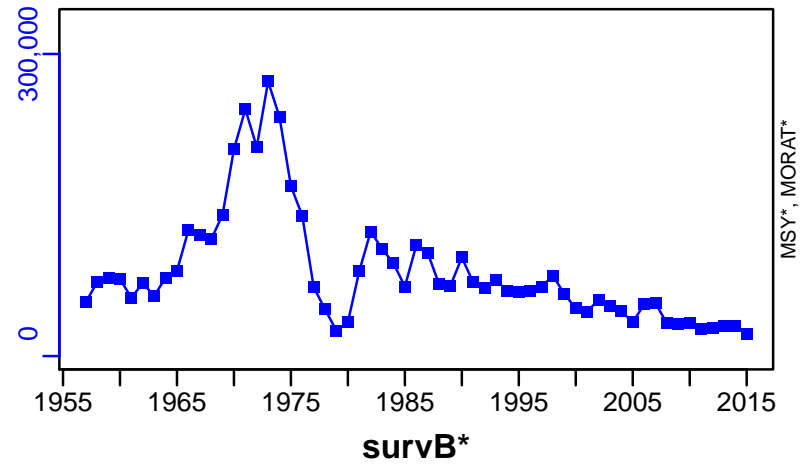


R-E00 (1956–2016–ICESIMP2016)



Herring ICES VIa–VIIb–VIIc [HERRVIaVIIbc]

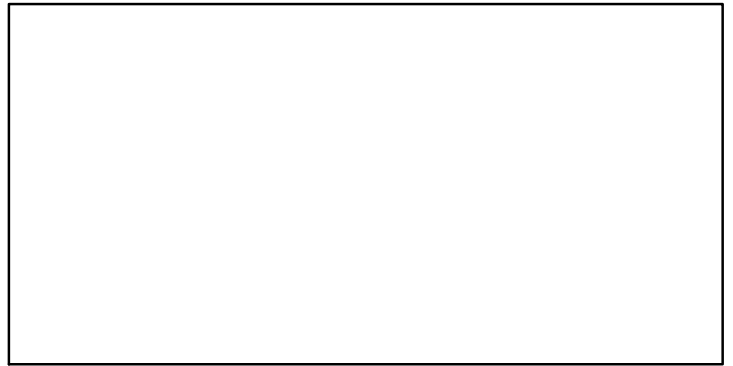
TC–MT, TL*, RecC* (1956–2016–ICESIMP2016)



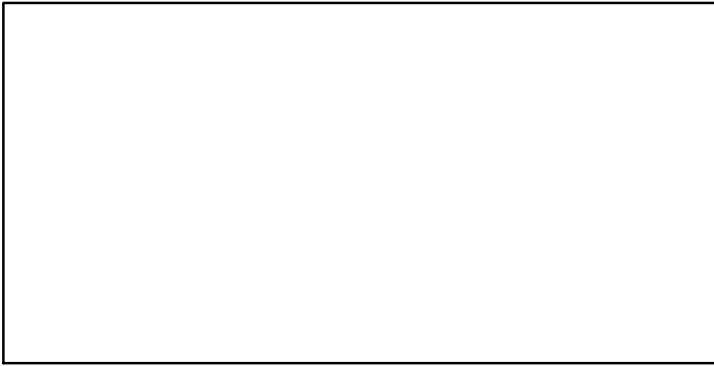
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Horse mackerel IIa-IVa-Vb-VIa-VII-VIII [HMACKIIa-IVa-Vb-VIa-VII-VIII]

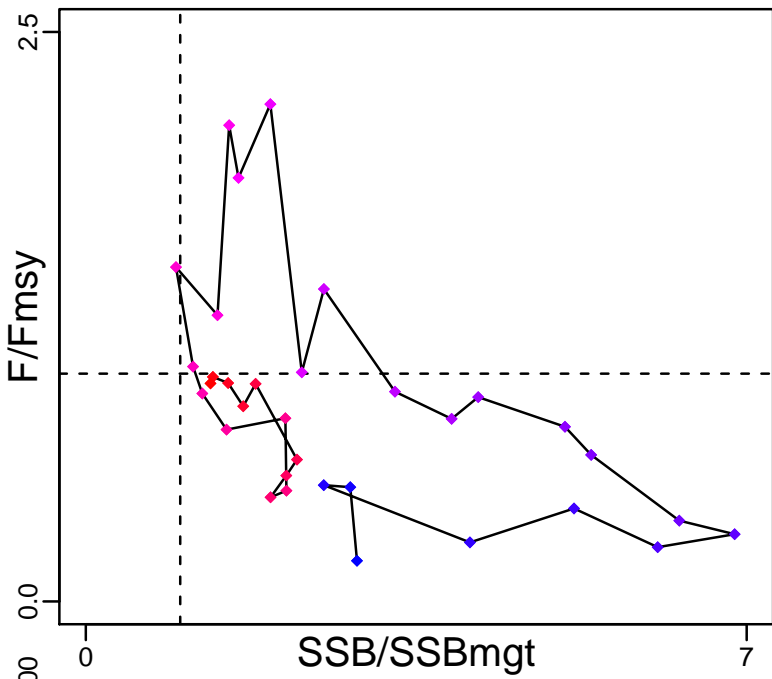
Metadata	
Scientific Name	Trachurus trachurus
Current Assess ID	WGWIDE-HMACKIIa-IVa-Vb-VIa-VII-VIII-1982-2015-ICESIMP2016
Area	IIa-IVa-Vb-VIa-VII-VIII
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Widely Distributed Stocks
Asmts in RAM	2013, 2014, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2015	0.13
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2015	634,577
Fmgt	Fmgt-1/yr	2015	0.13
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

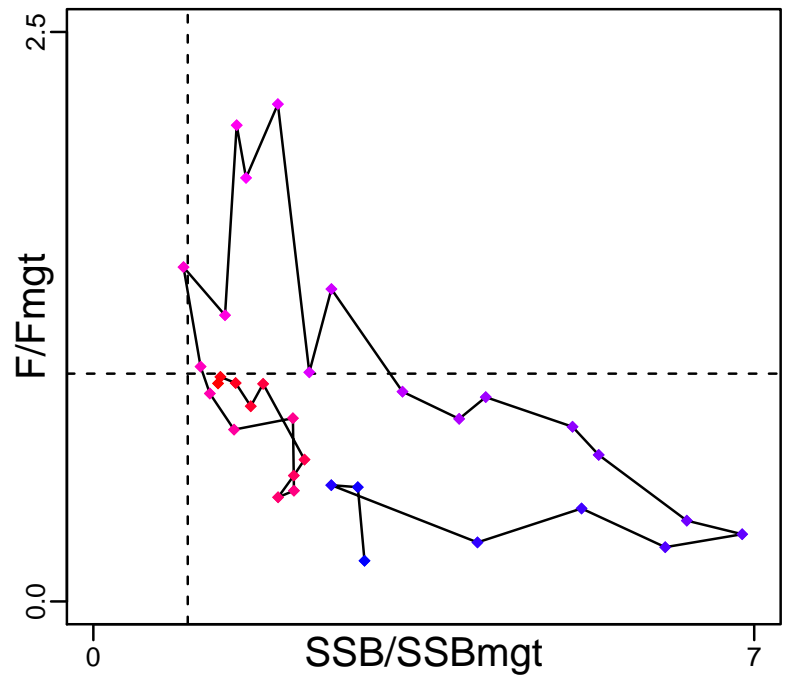
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	1,140,000	Both	-
SSB	SSB-MT	2015	724,000	Both	-
TN	-	-	-	-	-
R	R-E00	2015	2.45×10^9	-	0
F	F-1/yr	2015	0.124	-	1 to 10
ER	ER-calc-ratio	2015	0.113	-	-
TC	TC-MT	2015	129,000		
TL	TL-MT	2014	161,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.957		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	1.14		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.957		
ER/ERmgt	-	-	-		

Horse mackerel IIa-IVa-Vb-VIa-VII-VIII [HMACKIIa-IVa-Vb-VIa-VII-VIII]

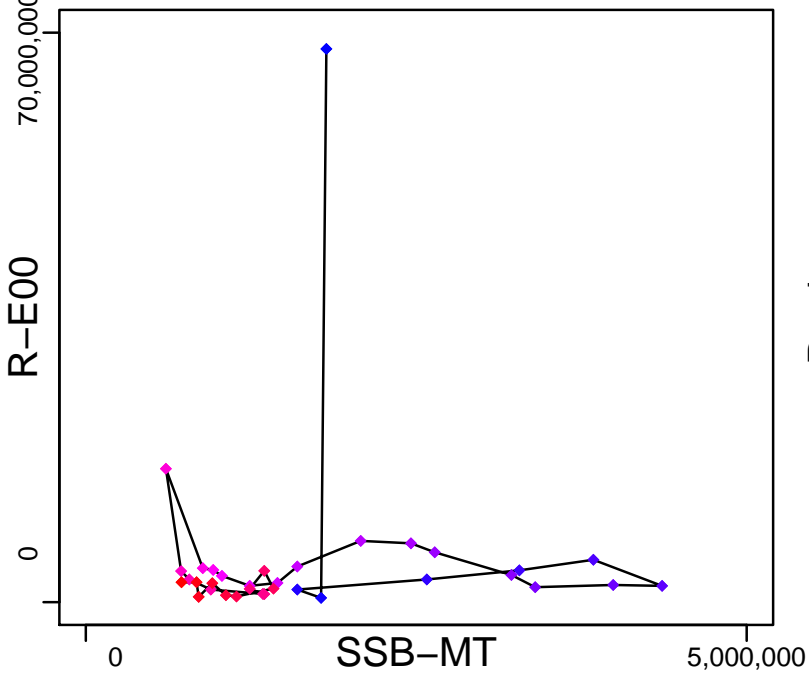
Kobe MSYpref (1982-2015-ICESIMP2016)



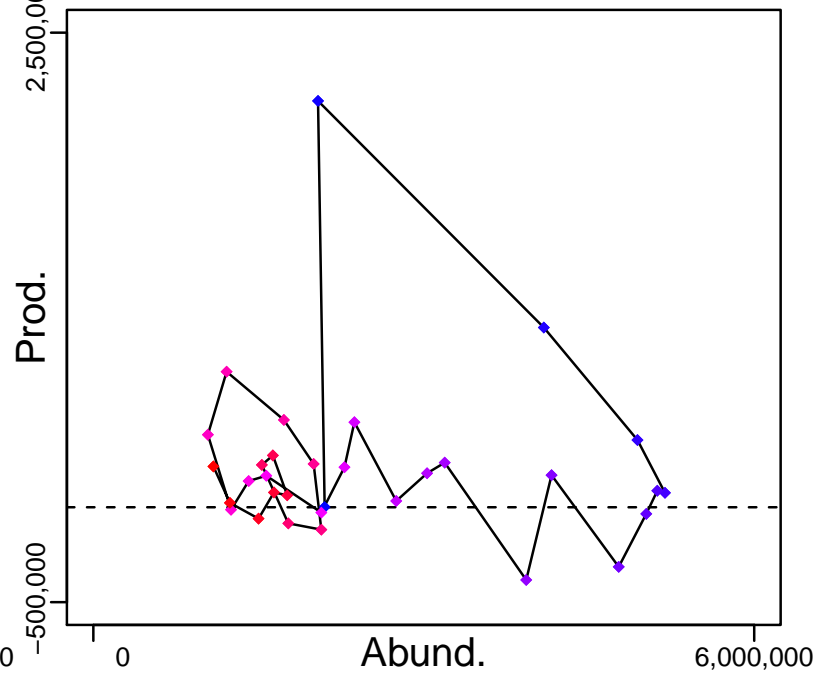
Kobe MGTpref (1982-2015-ICESIMP2016)



Spawner Recruit (1982-2015-ICESIMP2016)



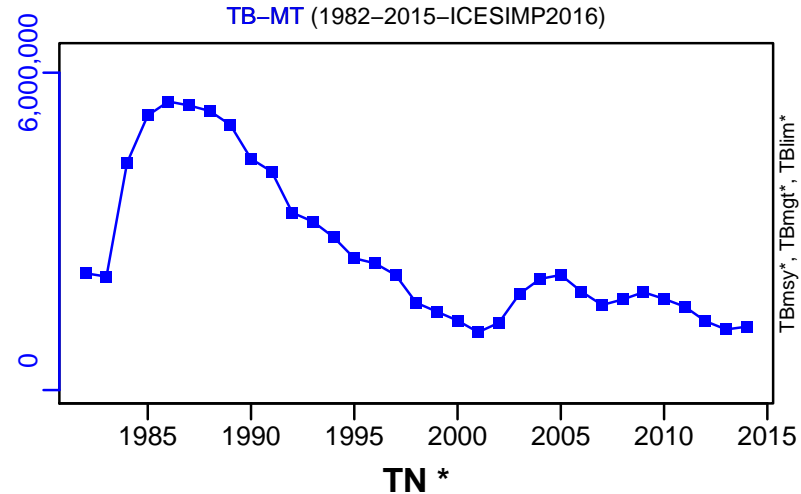
Production (1982-2015-ICESIMP2016)



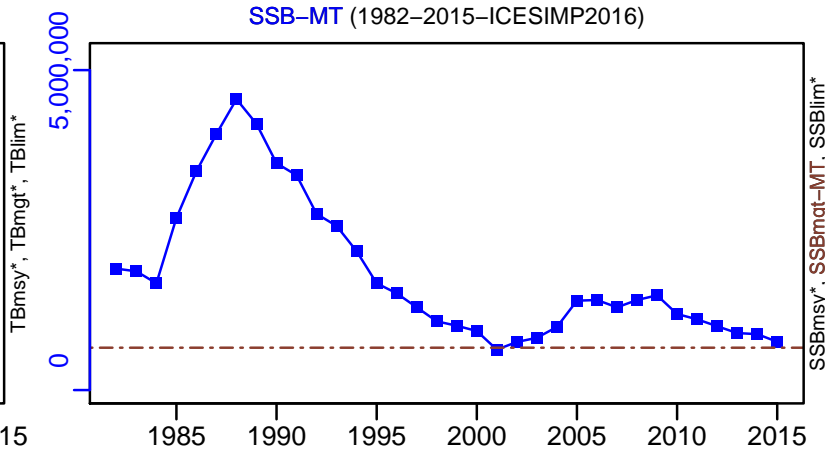
◆ Start Year ◆ End Year * No Data

Horse mackerel IIa-IVa-Vb-VIa-VII-VIII [HMAcKIIa-IVa-Vb-VIa-VII-VIII]

TB-MT (1982-2015-ICESIMP2016)



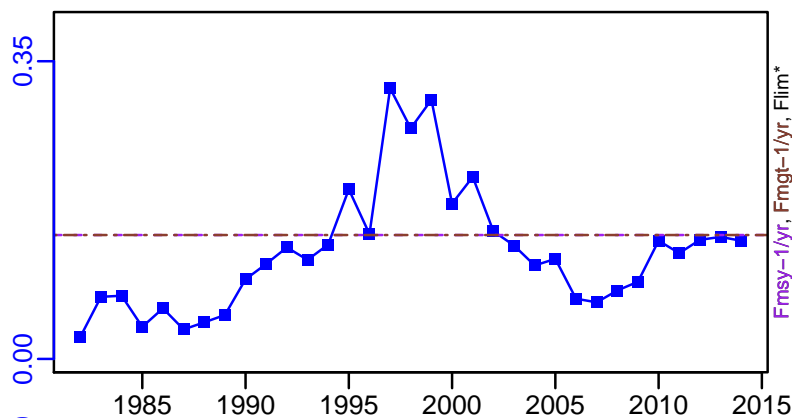
SSB-MT (1982-2015-ICESIMP2016)



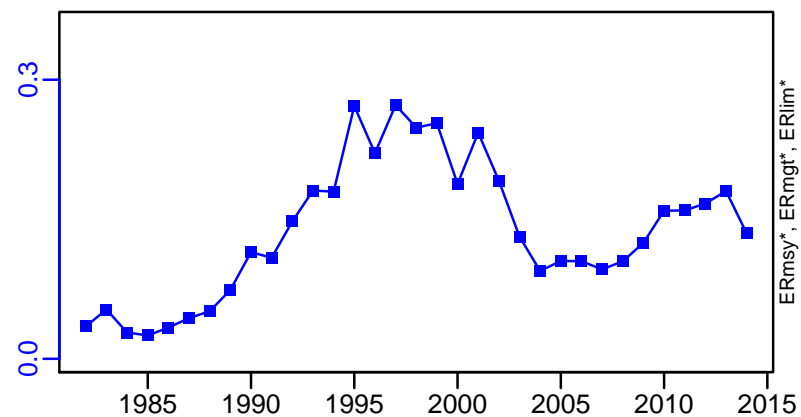
TN *



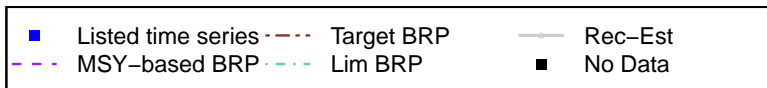
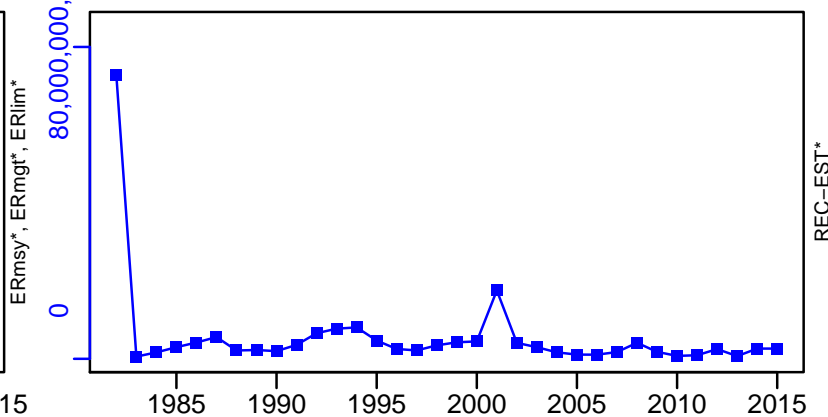
F-1/yr (1982-2015-ICESIMP2016)



ER-calc-ratio (1982-2015-ICESIMP2016)



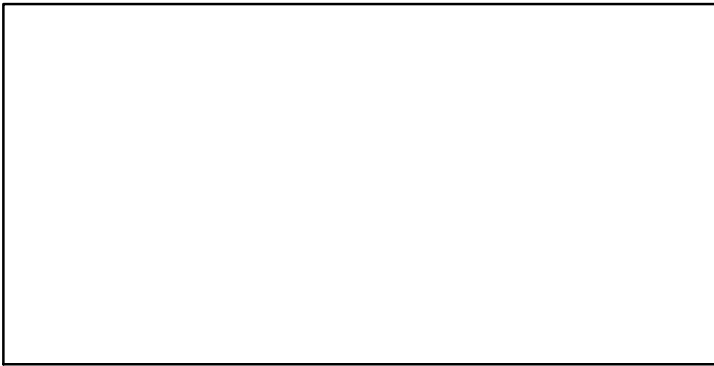
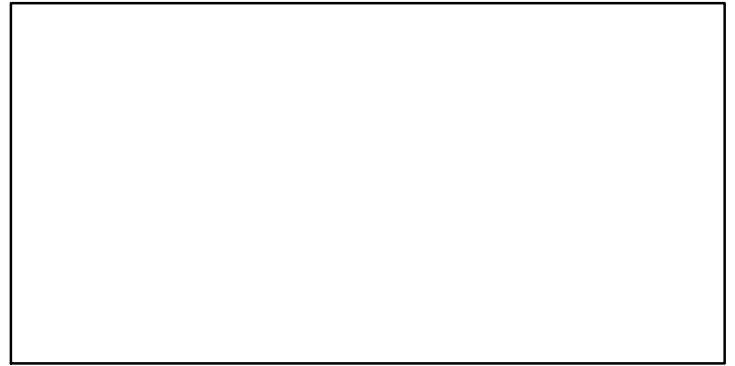
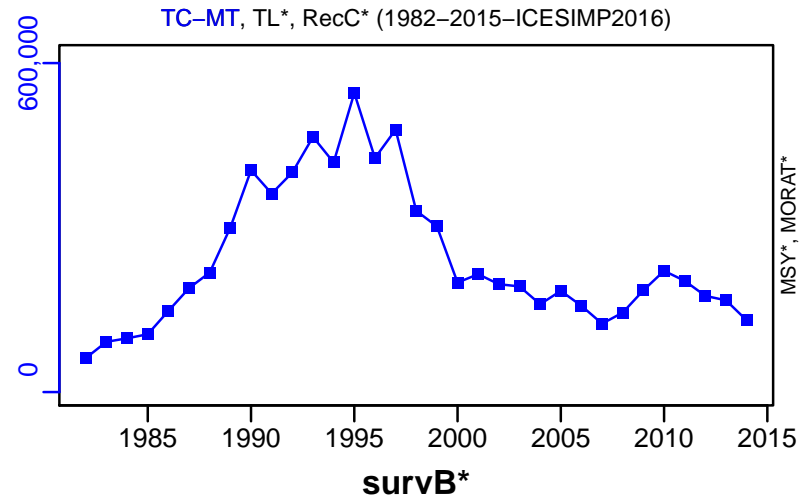
R-E00 (1982-2015-ICESIMP2016)



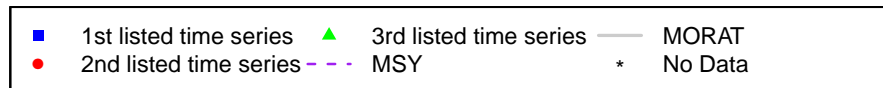
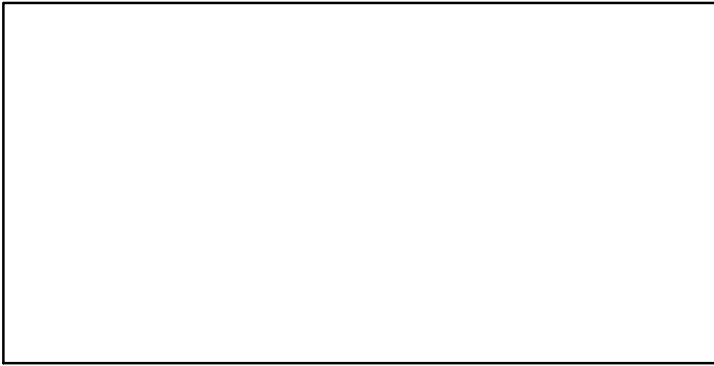
Horse mackerel IIa–IVa–Vb–VIa–VII–VIII [HMACKIIa–IVa–Vb–VIa–VII–VIII]

TC–MT, TL*, RecC* (1982–2015–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



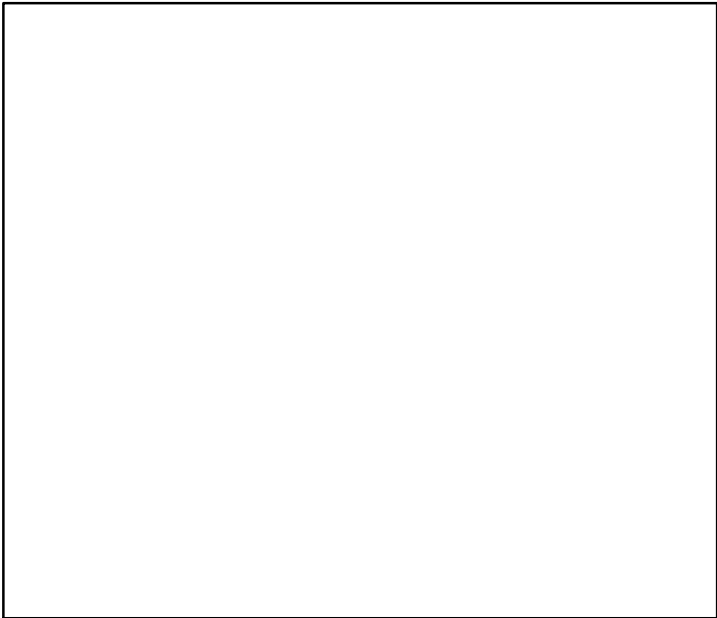
Horse mackerel IIIa-IVbc-VIId [HMACKIIIa-IVbc-VIId]

Metadata	
Scientific Name	Trachurus trachurus
Current Assess ID	WGWIDE-HMACKIIIa-IVbc-VIId-1982-2015-ICESIMP2016
Area	IIIa-IVbc-VIId
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Widely Distributed Stocks
Asmts in RAM	2015

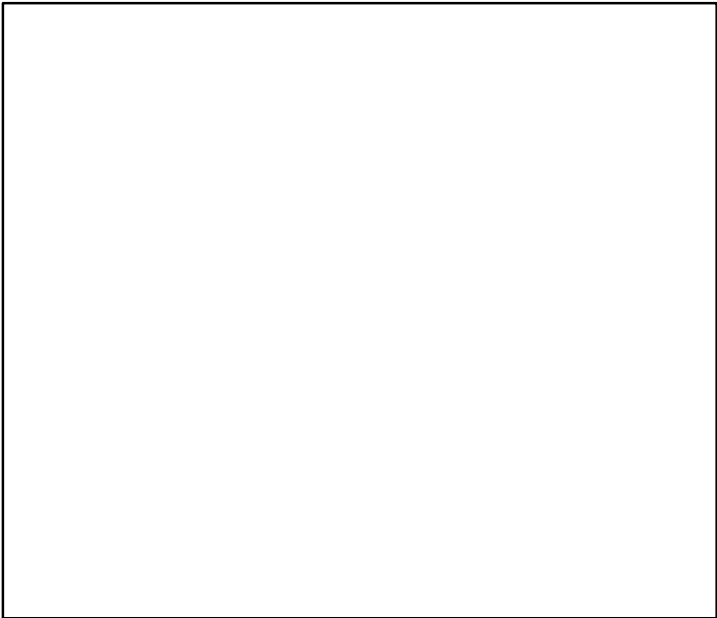
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	13,400		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

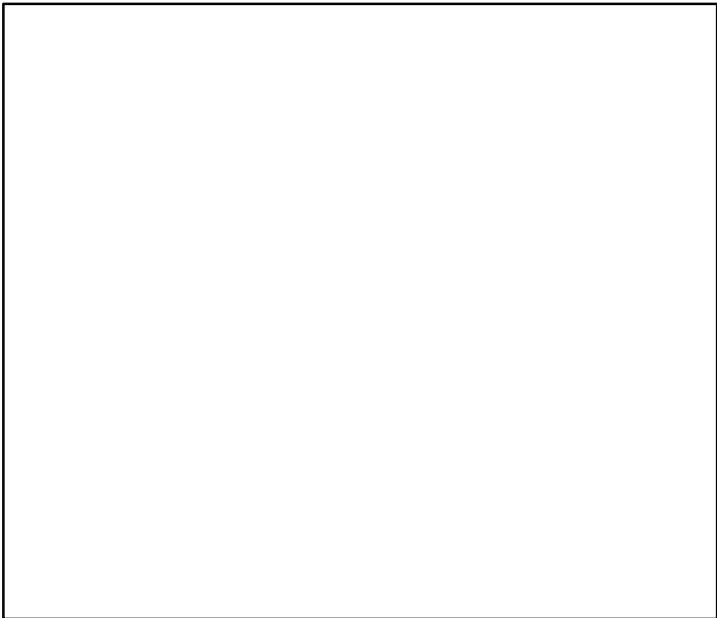
Kobe MSY*



Kobe MGT*



Spawner Recruit*



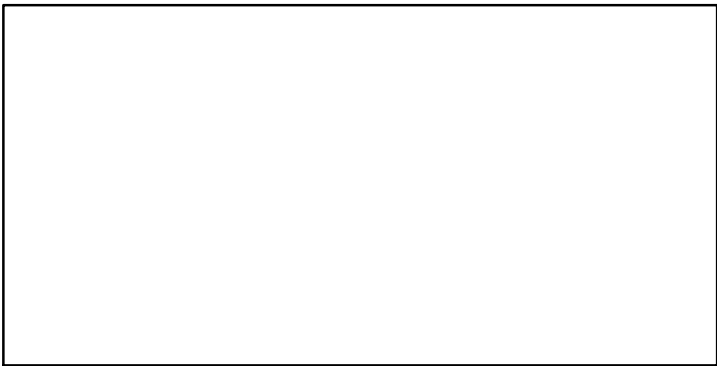
Production*



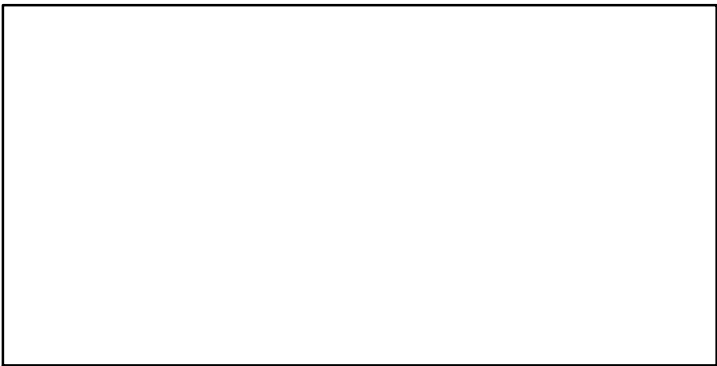
◆ Start Year ◆ End Year * No Data

Horse mackerel IIIa–IVbc–VIIId [HMACKIIIa–IVbc–VIIId]

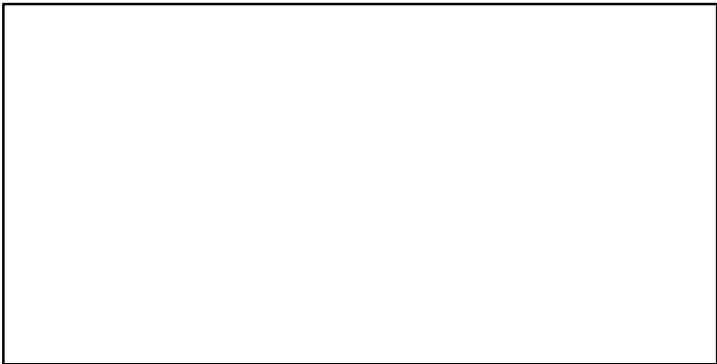
TB*



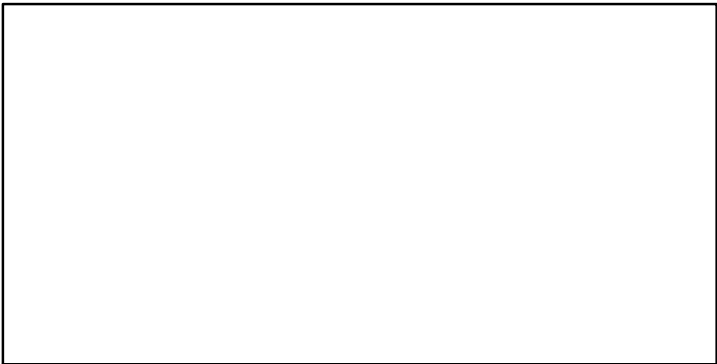
SSB*



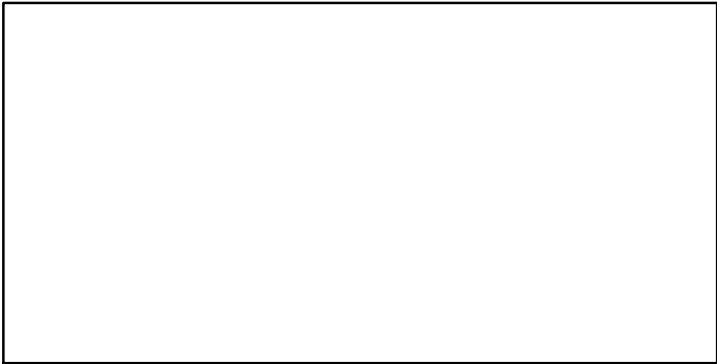
TN *



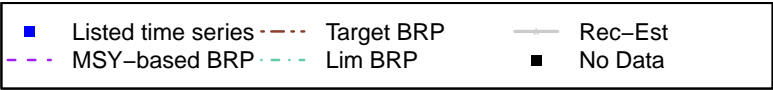
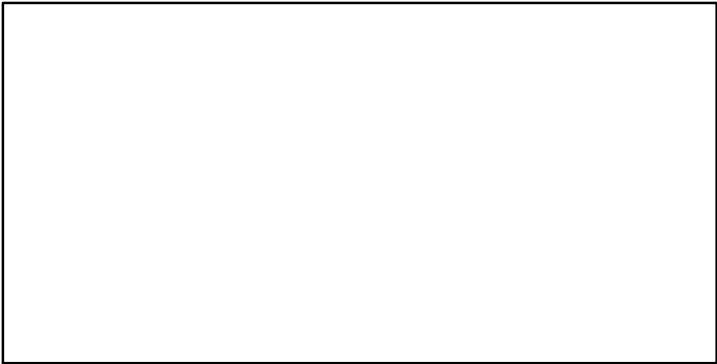
F*



ER*

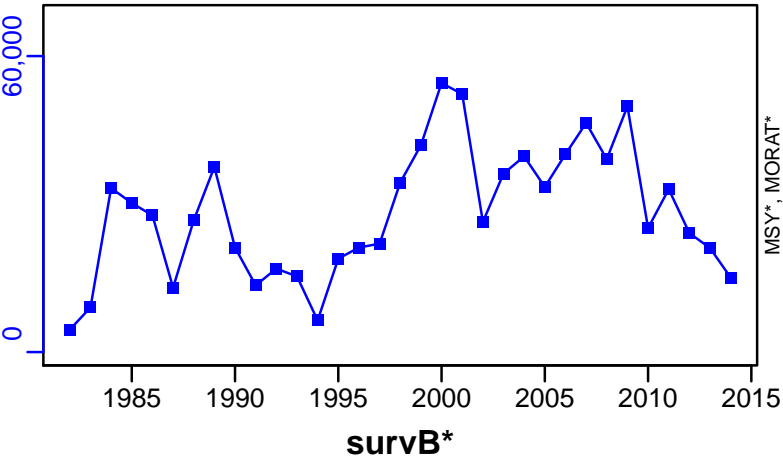


Recruits*



Horse mackerel IIIa–IVbc–VIId [HMACKIIIa–IVbc–VIId]

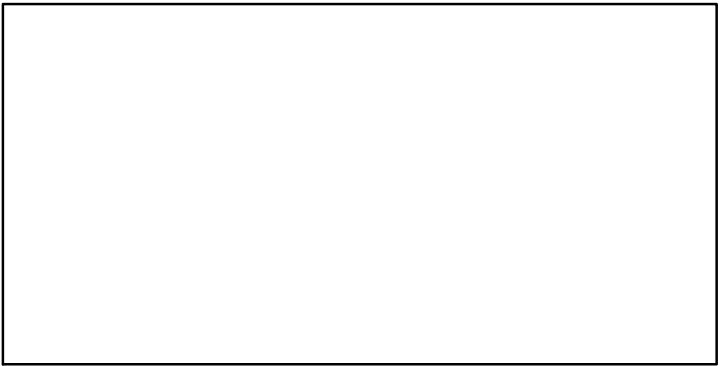
TL–MT, TC*, RecC* (1982–2015–ICESIMP2016)



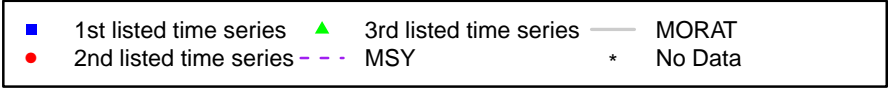
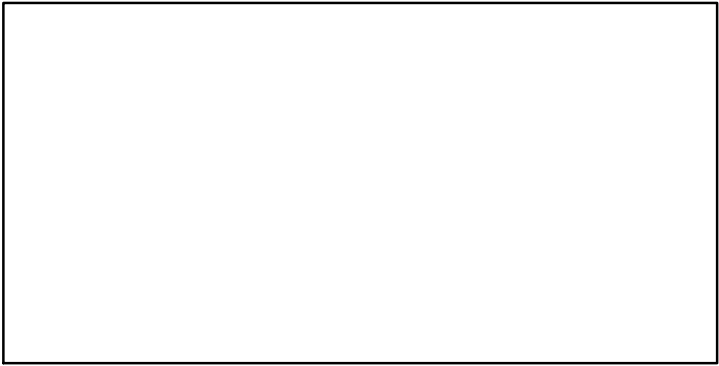
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Horse mackerel Portuguese Waters -East [HMACKIXa]

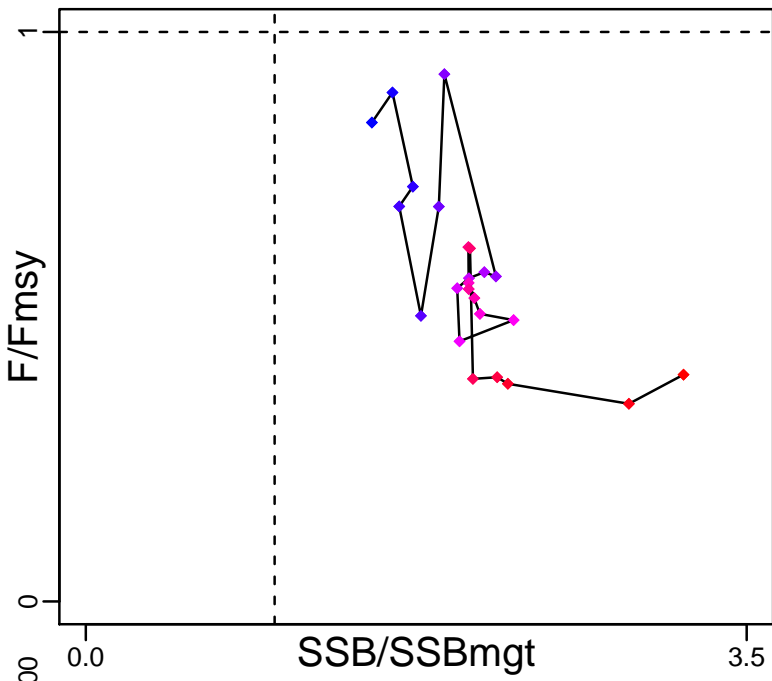
Metadata	
Scientific Name	Trachurus trachurus
Current Assess ID	WGHANSA-HMACKIXa-1992-2016-ICESIMP2016
Area	Portuguese Waters -East
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Southern Horse Mackerel, Anchovy and Sardine
Asmts in RAM	2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.11
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	181,000
Fmgt	Fmgt-1/yr	2016	0.11
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	103,000
Flim	Flim-1/yr	2016	0.19
ERlim	-	-	-

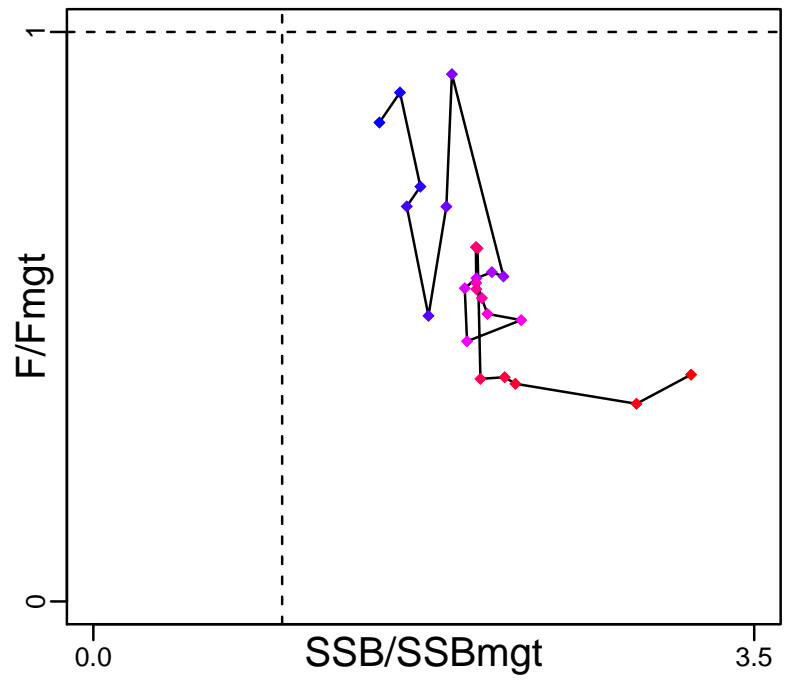
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2016	622,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	4.06×10^9	-	0
F	F-1/yr	2016	0.044	-	2 to 10
ER	-	-	-	-	-
TC	TC-MT	2016	32,700		
TL	TL-MT	2016	32,700		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.398		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	3.434		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.398		
ER/ERmgt	-	-	-		

Horse mackerel Portuguese Waters –East [HMACKIXa]

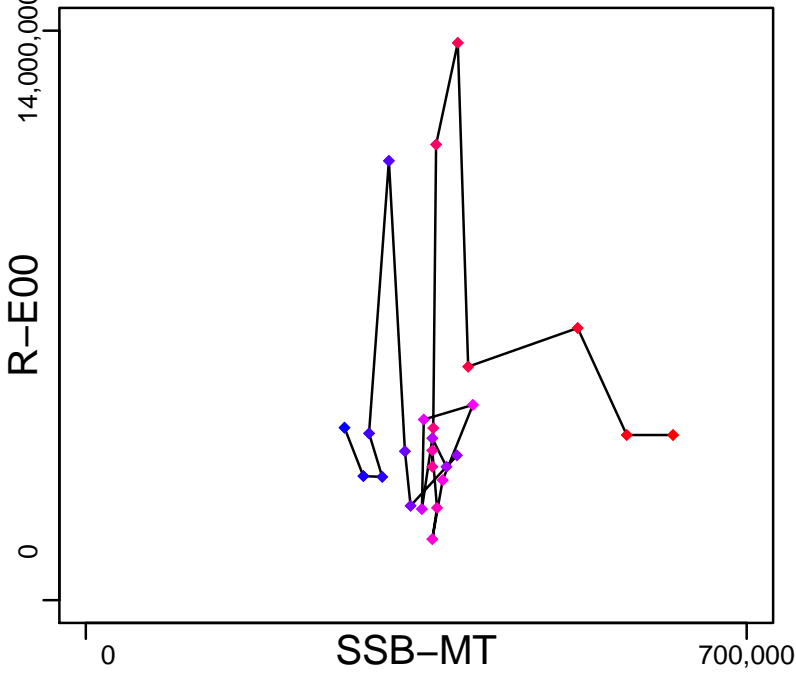
Kobe MSYpref (1992–2016–ICESIMP2016)



Kobe MGTpref (1992–2016–ICESIMP2016)



Spawner Recruit (1992–2016–ICESIMP2016)



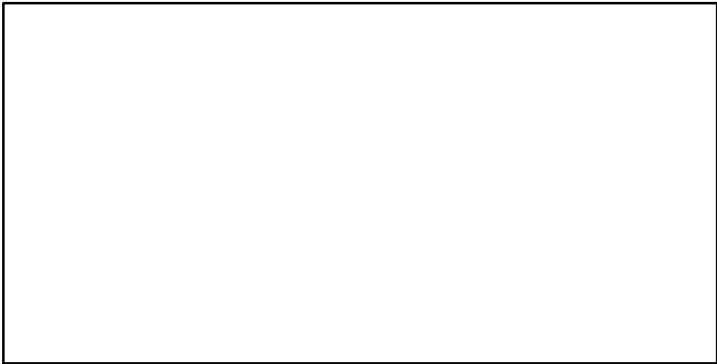
Production*



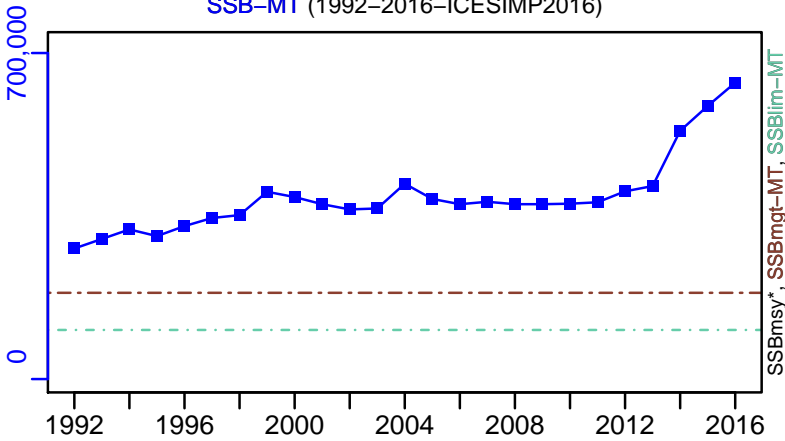
◆ Start Year ◆ End Year * No Data

Horse mackerel Portuguese Waters –East [HMAKIXa]

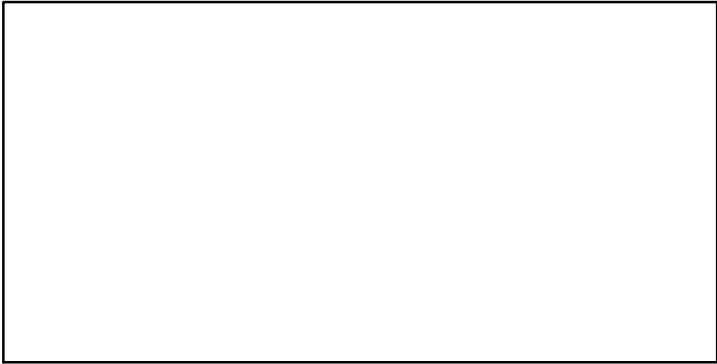
TB*



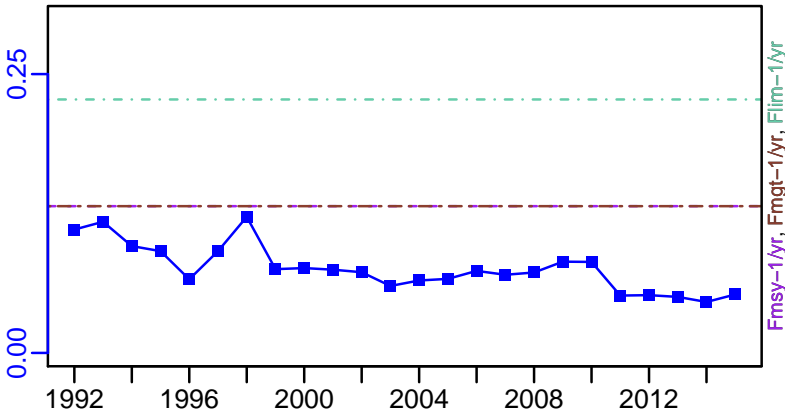
SSB-MT (1992–2016–ICESIMP2016)



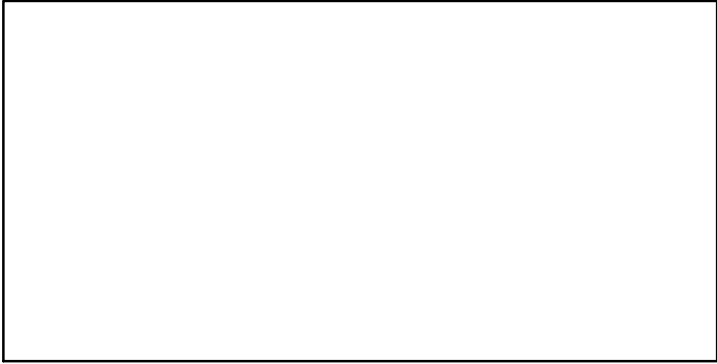
TN *



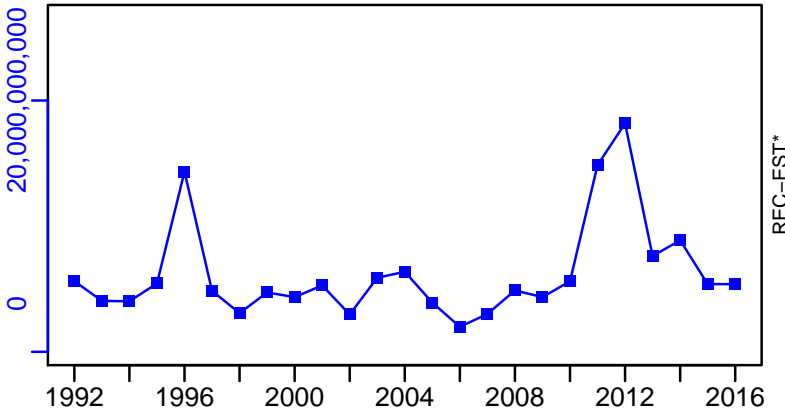
F-1/yr (1992–2016–ICESIMP2016)



ER*

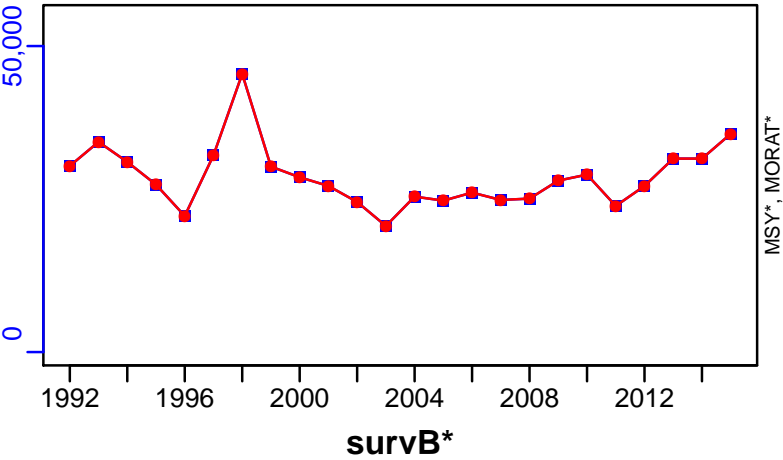


R-E00 (1992–2016–ICESIMP2016)



Horse mackerel Portuguese Waters –East [HMACKIXa]

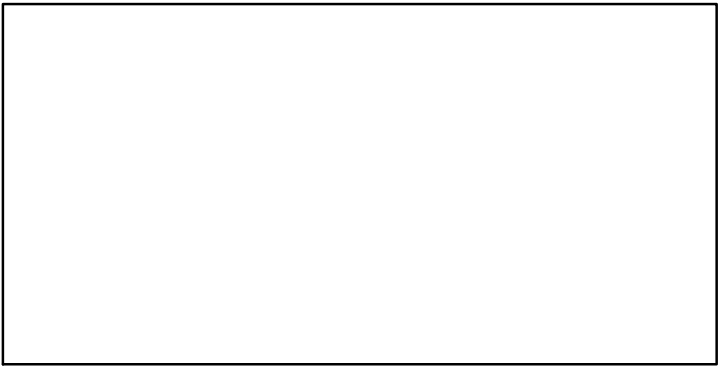
TC–MT, TL–MT, RecC* (1992–2016–ICESIMP2016)



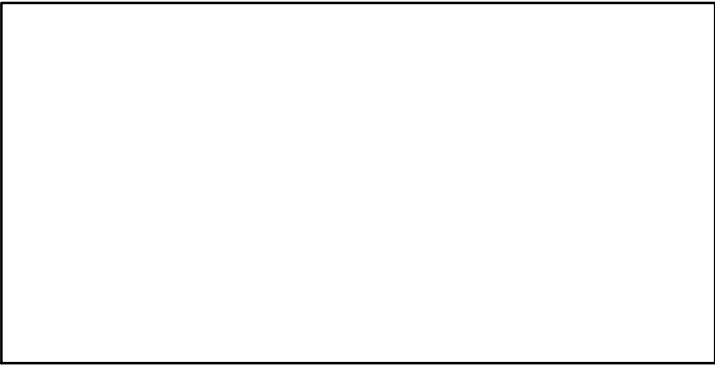
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Ling Iceland Grounds [LINGVa]

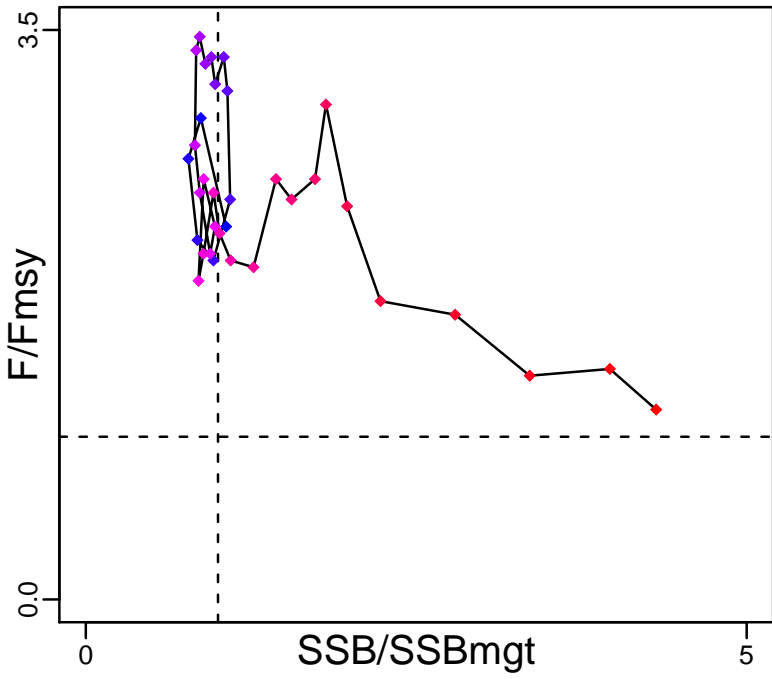
Metadata	
Scientific Name	Molva molva
Current Assess ID	WGDEEP-LINGVa-1982-2016-ICESIMP2016
Area	Iceland Grounds
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.24
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	9500
Fmgt	Fmgt-1/yr	2016	0.24
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	8600
Flim	-	-	-
ERlim	-	-	-

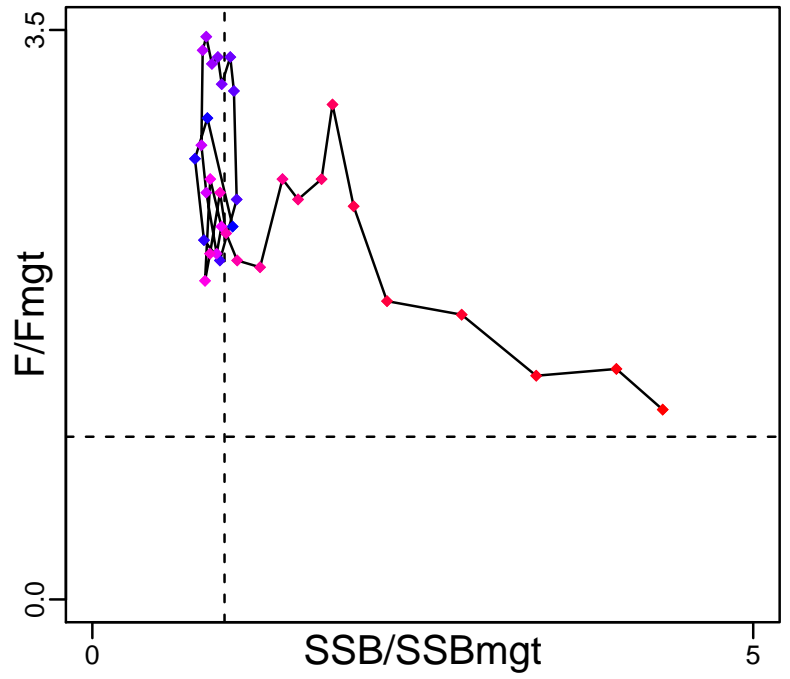
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	56,100	Both	-
SSB	SSB-MT	2016	42,600	Both	-
TN	-	-	-	-	-
R	R-E00	2016	1,480,000	-	-
F	F-1/yr	2016	0.28	-	-
ER	ER-calc-ratio	2016	0.219	-	-
TC	TC-MT	2016	12,900		
TL	TL-MT	2014	11,700		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.167		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	4.484		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.167		
ER/ERmgt	-	-	-		

Ling Iceland Grounds [LINGVa]

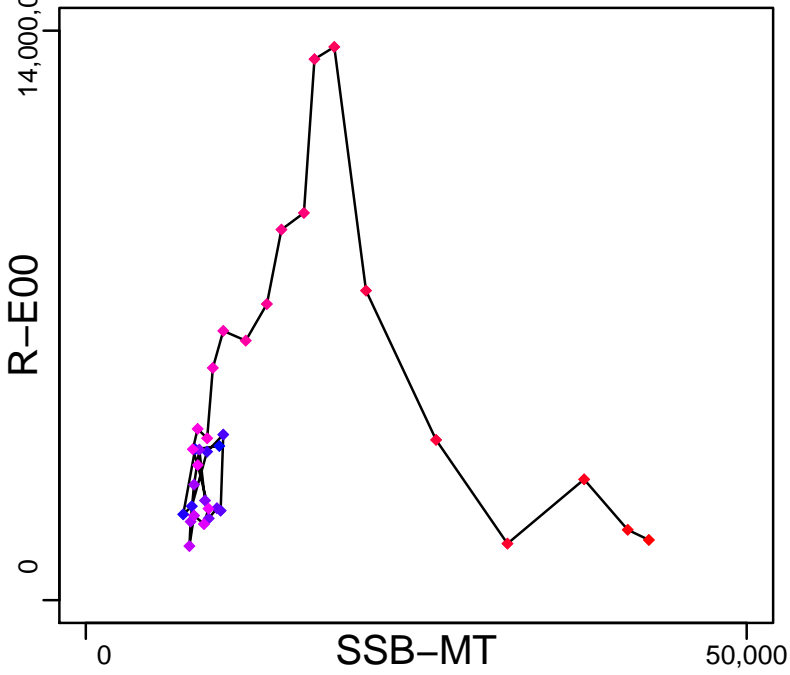
Kobe MSYpref (1982–2016–ICESIMP2016)



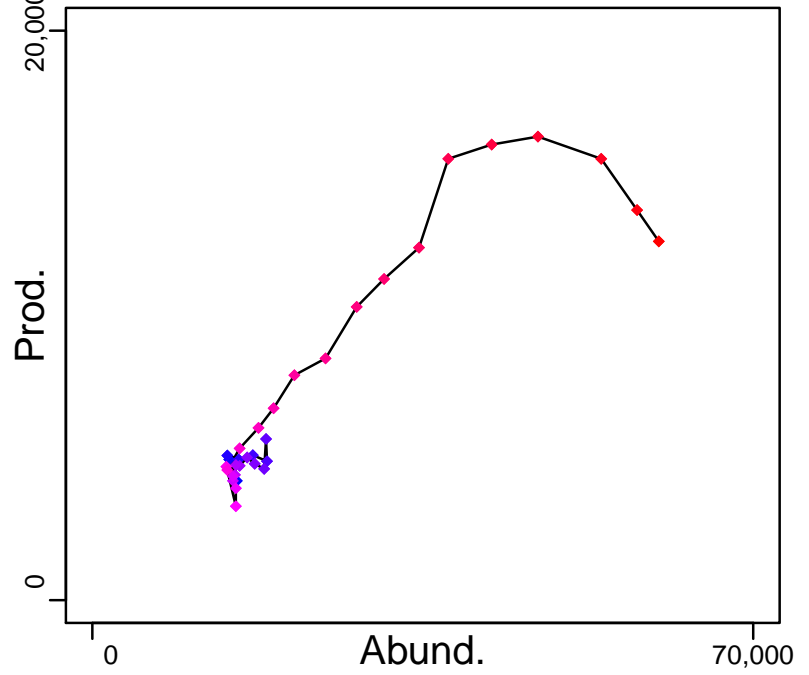
Kobe MGTpref (1982–2016–ICESIMP2016)



Spawner Recruit (1982–2016–ICESIMP2016)



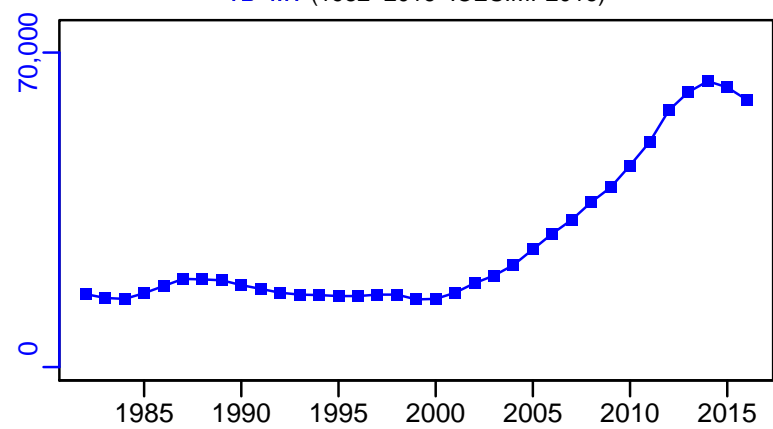
Production (1982–2016–ICESIMP2016)



◆ Start Year ◆ End Year * No Data

Ling Iceland Grounds [LINGVa]

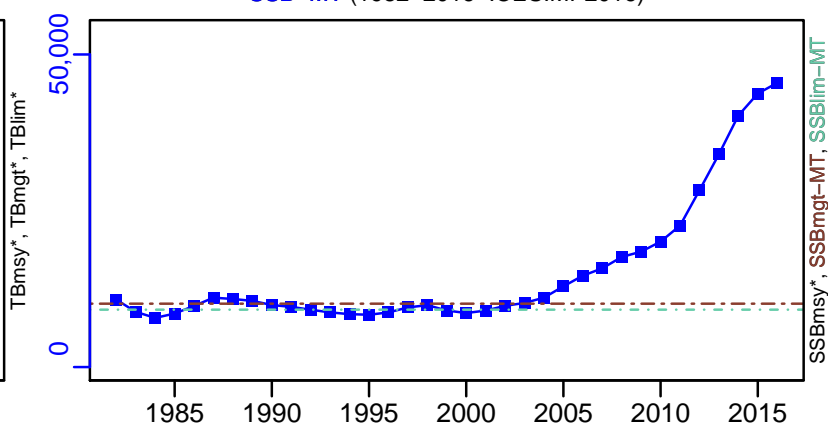
TB-MT (1982–2016–ICESIMP2016)



TN *

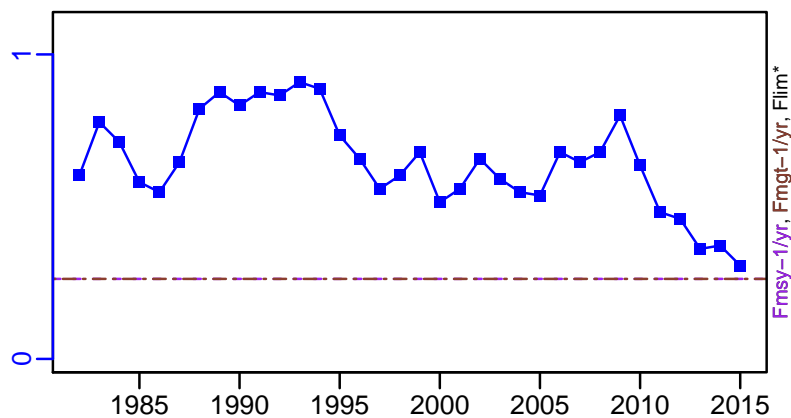


SSB-MT (1982–2016–ICESIMP2016)



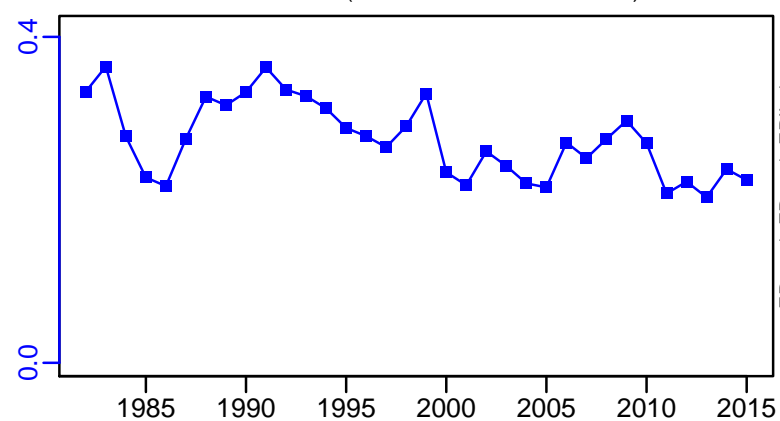
SSBmsy*, SSBmgt-MT, SSBlim-MT

F-1/yr (1982–2016–ICESIMP2016)

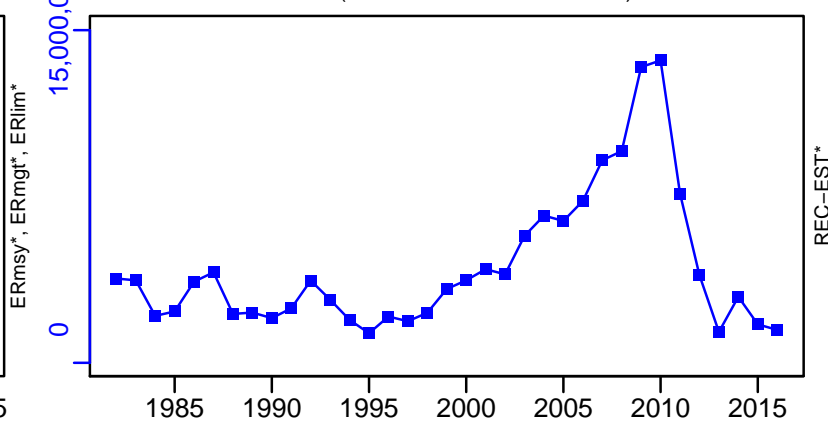


Fmsy-1/yr, Fmgt-1/yr, Flim*

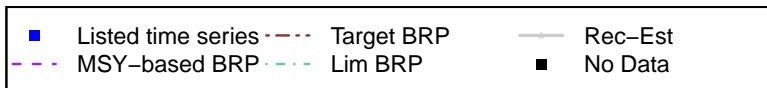
ER-calc-ratio (1982–2016–ICESIMP2016)



R-E00 (1982–2016–ICESIMP2016)

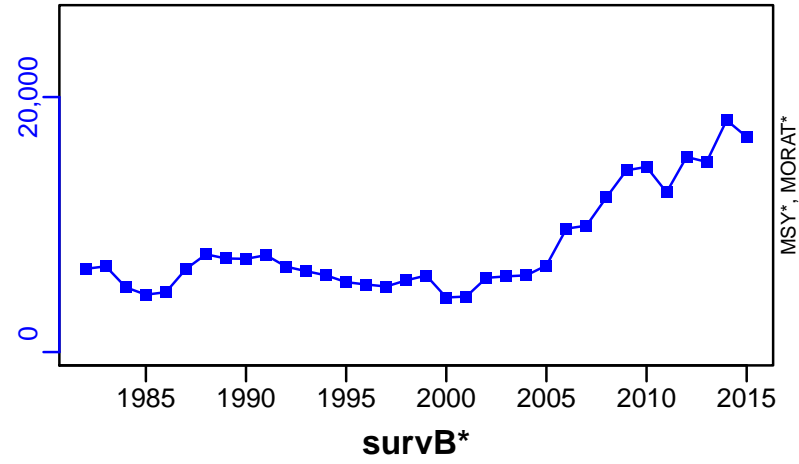


REC-EST*

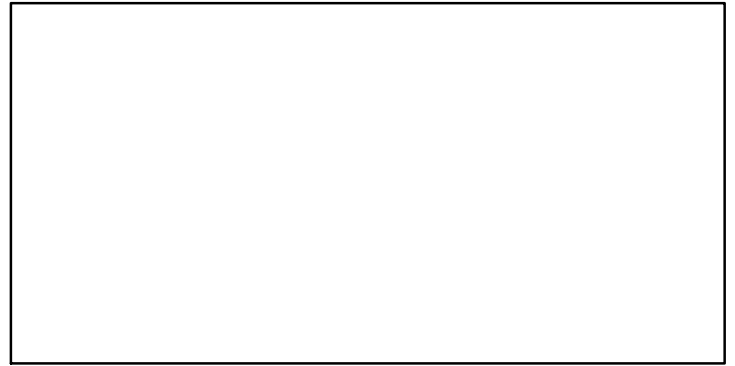


Ling Iceland Grounds [LINGVa]

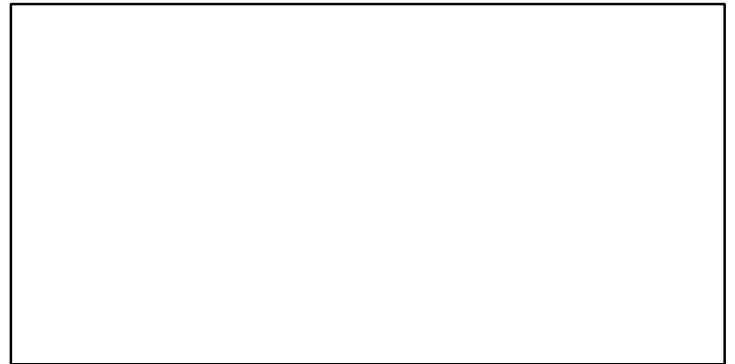
TC-MT, TL*, RecC* (1982-2016-ICESIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Mackerel ICES Northeast Atlantic [MACKNEICES]

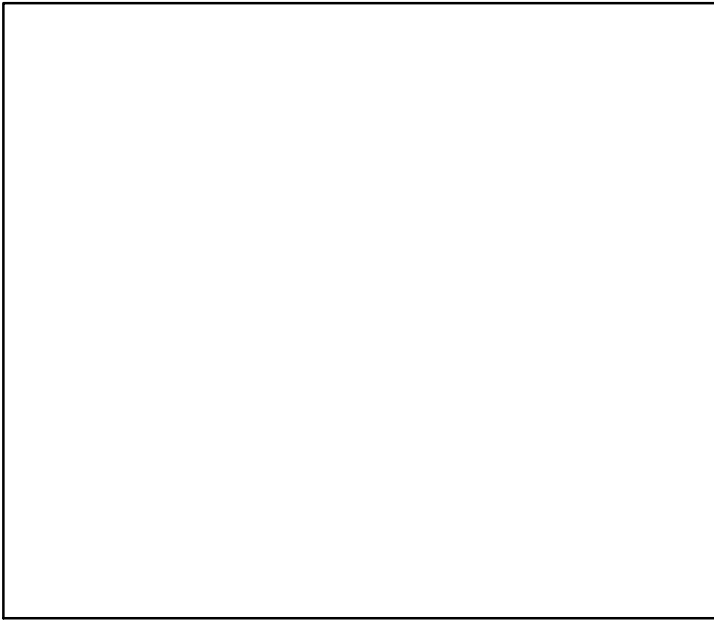
Metadata	
Scientific Name	Scomber scombrus
Current Assess ID	WGWISE-MACKNEICES-1980-2014-ICESIMP2016
Area	Ila-IIIabd-IV-Vb-VI-VII-VIIIabcde-XII-XIV-Ixa
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Widely Distributed Stocks
Asmts in RAM	2007, 2013, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2014	0.25
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.25
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2007	0.15
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	1,840,000
Flim	Flim-1/yr	2014	0.39
ERlim	-	-	-

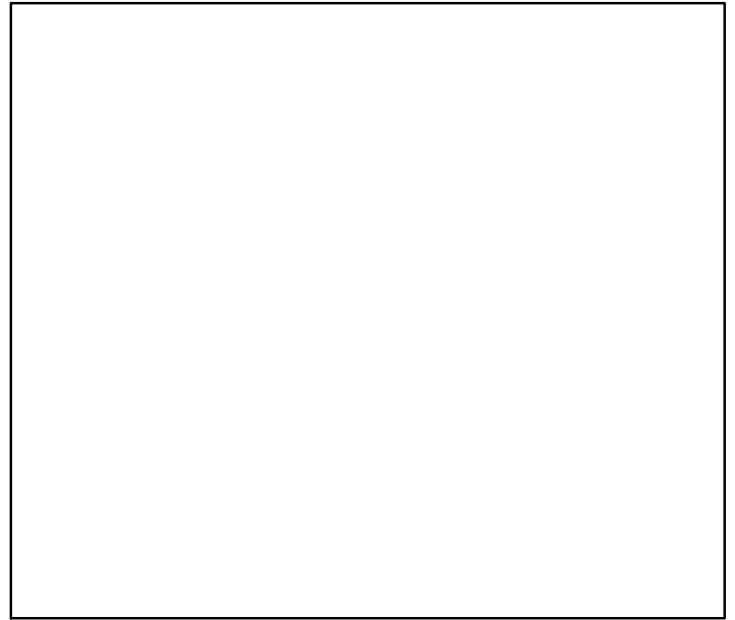
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	5,610,000	Both	-
SSB	SSB-MT	2014	4,420,000	Both	-
TN	-	-	-	-	-
R	R-E00	2014	4.27×10^9	-	0
F	F-1/yr	2014	0.217	-	4 to 8
ER	ER-calc-ratio	2014	0.166	-	-
TC	TC-MT	2014	932,000		
TL	TL-MT	2014	927,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.868		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	0.868		
ER/ERmgt	-	-	-		

Mackerel ICES Northeast Atlantic [MACKNEICES]

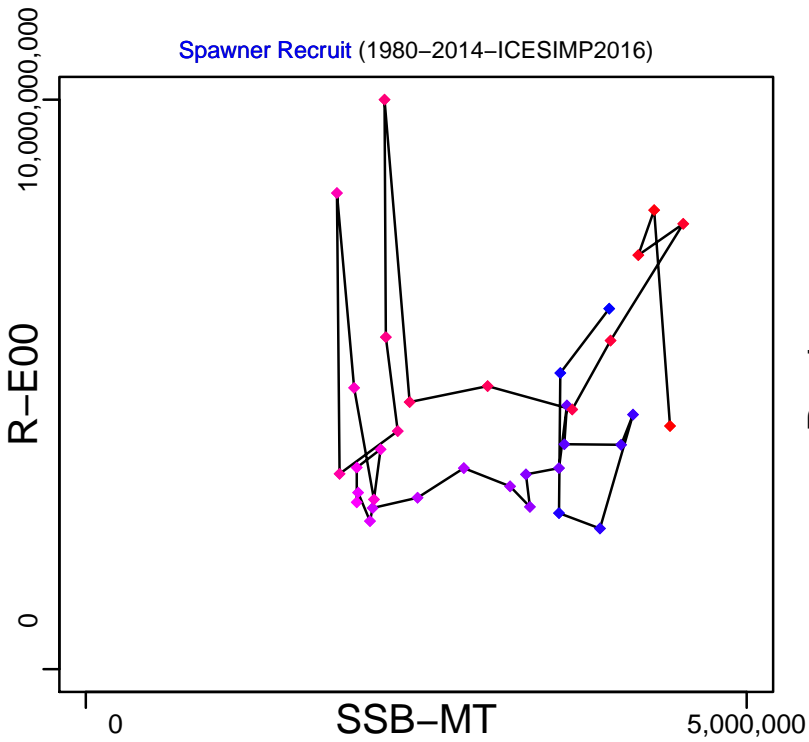
Kobe MSY*



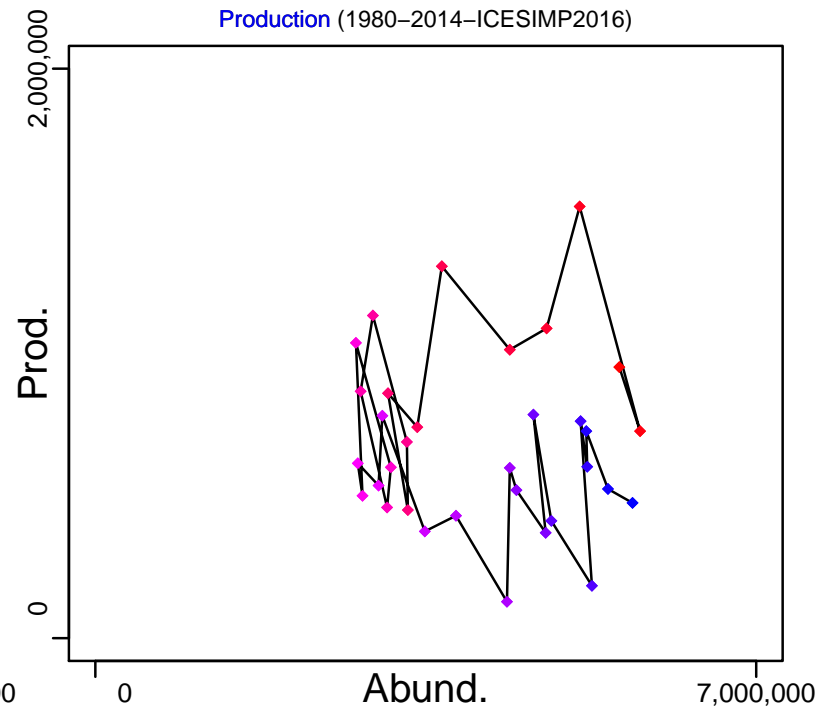
Kobe MGT*



Spawner Recruit (1980–2014–ICESIMP2016)



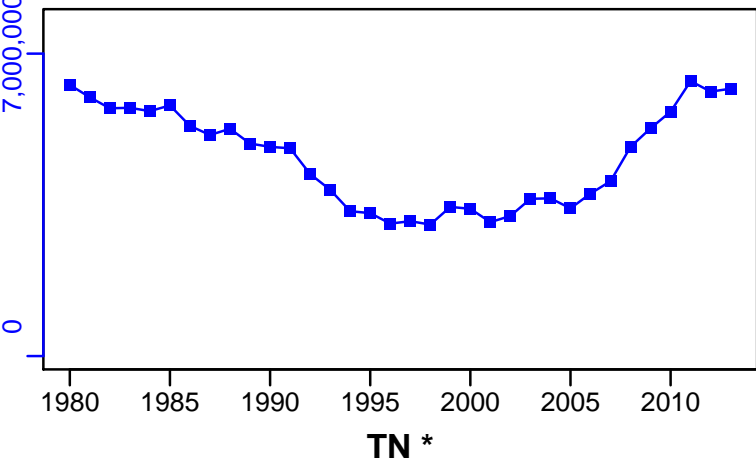
Production (1980–2014–ICESIMP2016)



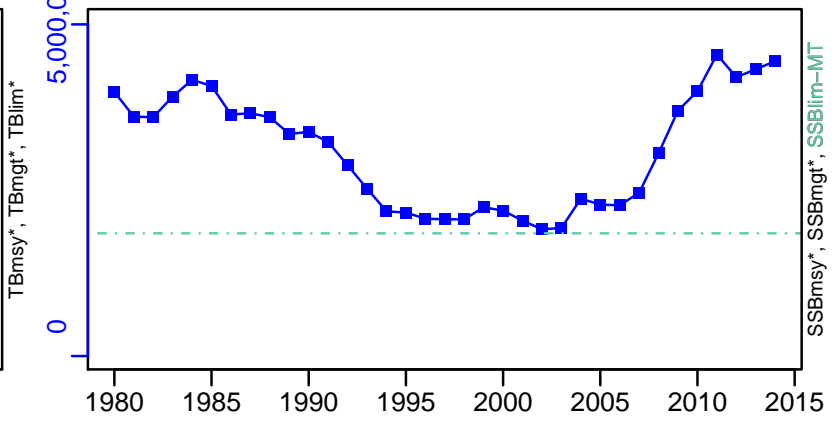
◆ Start Year ◆ End Year * No Data

Mackerel ICES Northeast Atlantic [MACKNEICES]

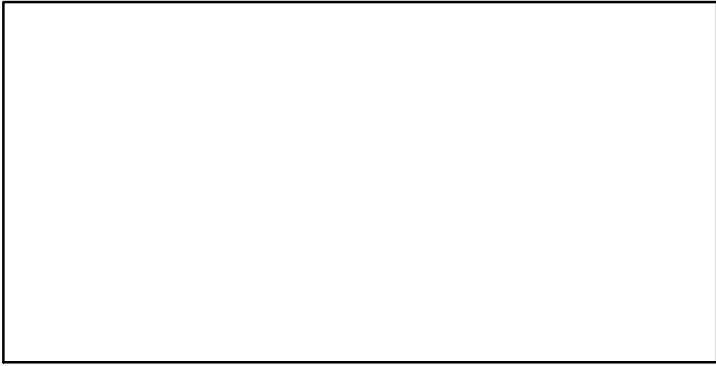
TB-MT (1980–2014–ICESIMP2016)



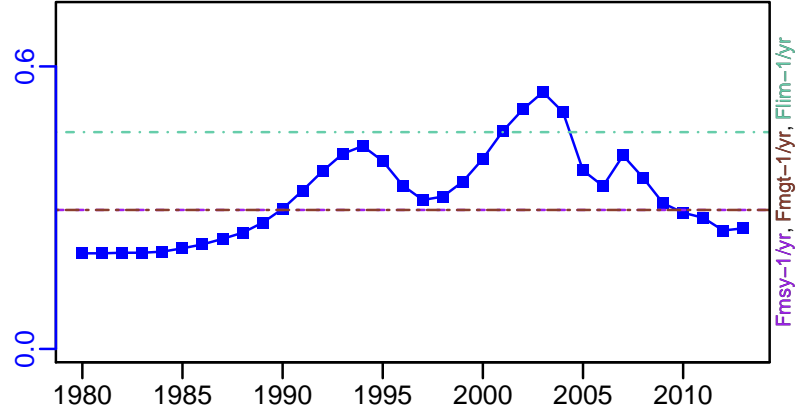
SSB-MT (1980–2014–ICESIMP2016)



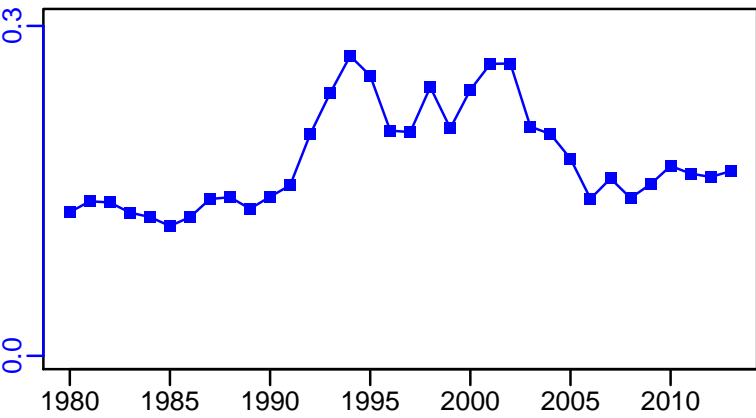
TN *



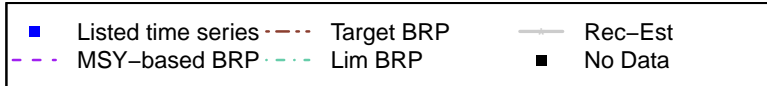
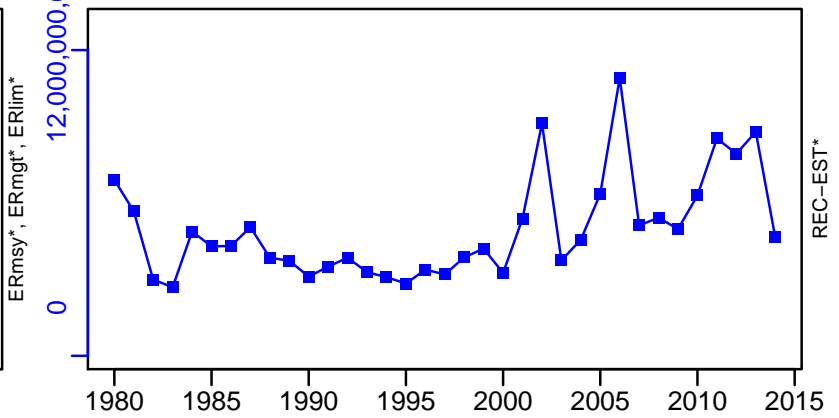
F-1/yr (1980–2014–ICESIMP2016)



ER-calc-ratio (1980–2014–ICESIMP2016)

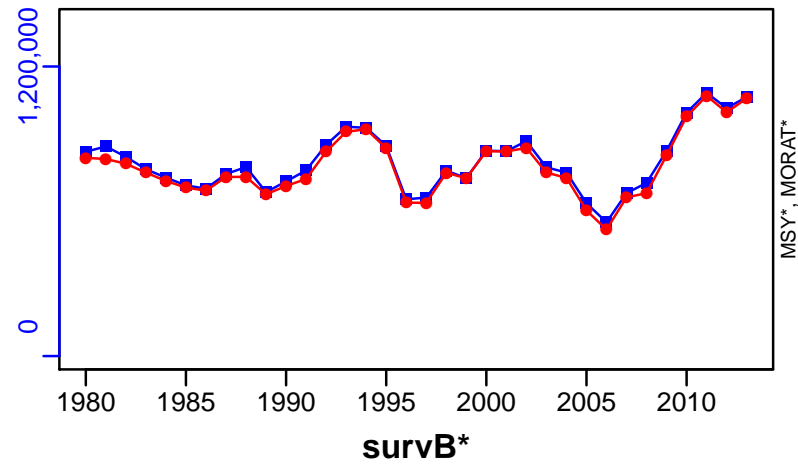


R-E00 (1980–2014–ICESIMP2016)

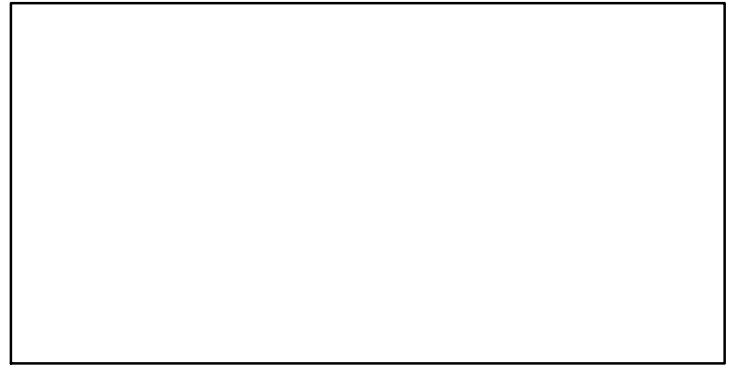


Mackerel ICES Northeast Atlantic [MACKNEICES]

TC-MT, TL-MT, RecC* (1980-2014-ICESIMP2016)



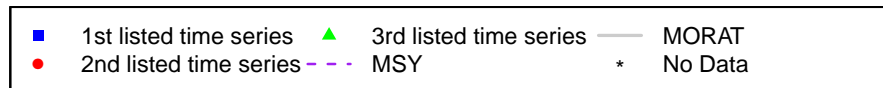
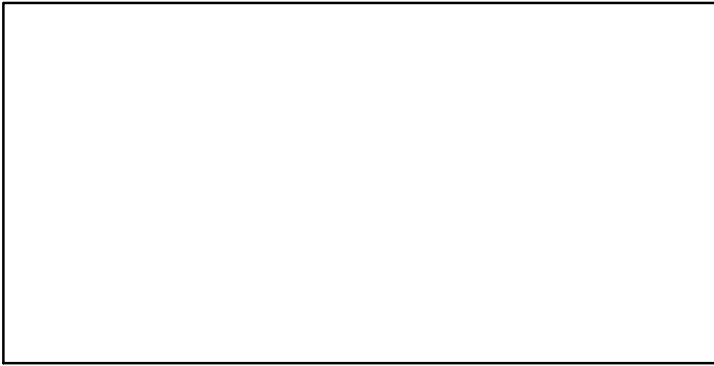
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Megrim ICES VIIIc-IXa [MEG8c9a]

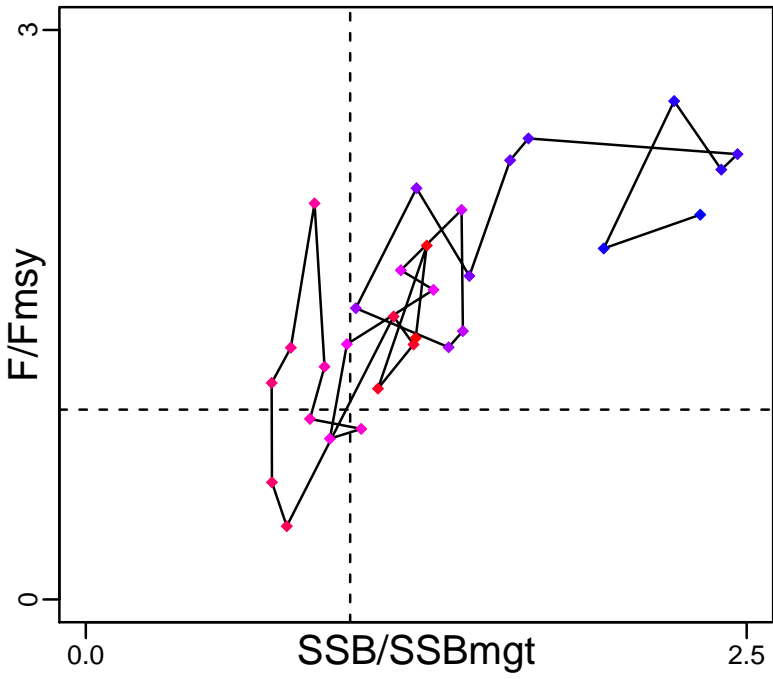
Metadata	
Scientific Name	Lepidorhombus whiffiagonis
Current Assess ID	WGBIE-MEG8c9a-1985-2016-ICESIMP2016
Area	VIIIc-IXa
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2014, 2015, 2016, 2010, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.19
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	980
Fmgt	Fmgt-1/yr	2016	0.19
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.2
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	700
Flim	Flim-1/yr	2016	0.45
ERlim	-	-	-

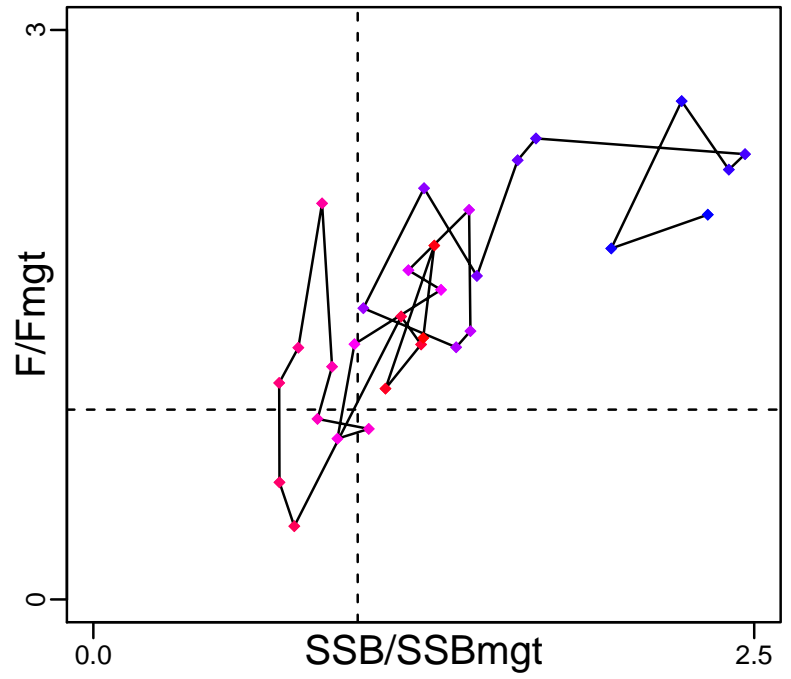
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	1480	Both	-
SSB	SSB-MT	2016	1090	Both	-
TN	-	-	-	-	-
R	R-E00	2016	3,300,000	-	1
F	F-1/yr	2016	0.262	-	2 to 4
ER	ER-calc-ratio	2016	0.2	-	-
TC	TC-MT	2016	297		
TL	TL-MT	2016	276		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.377		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.107		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.377		
ER/ERmgt	-	-	-		

Megrim ICES VIIIc-IXa [MEG8c9a]

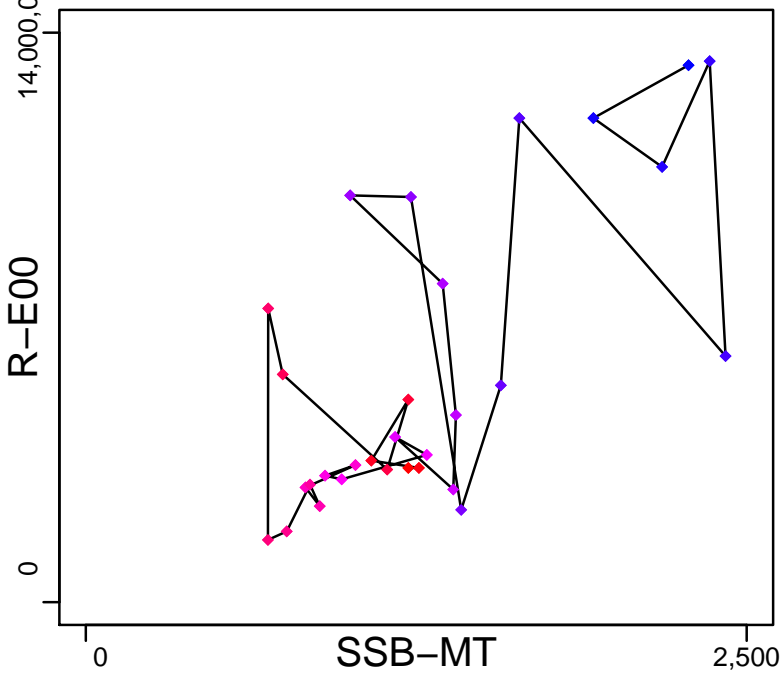
Kobe MSYpref (1985–2016–ICESIMP2016)



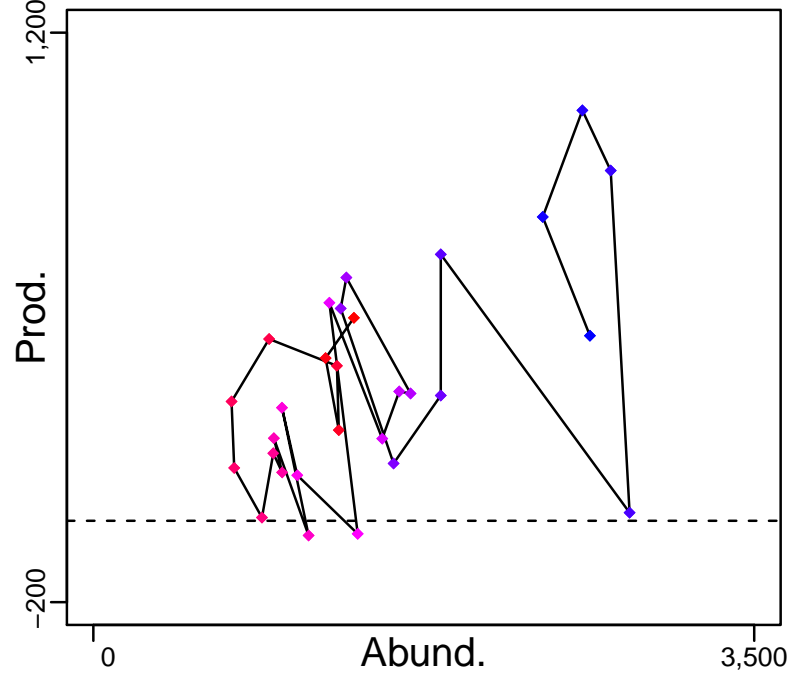
Kobe MGTpref (1985–2016–ICESIMP2016)



Spawner Recruit (1985–2016–ICESIMP2016)



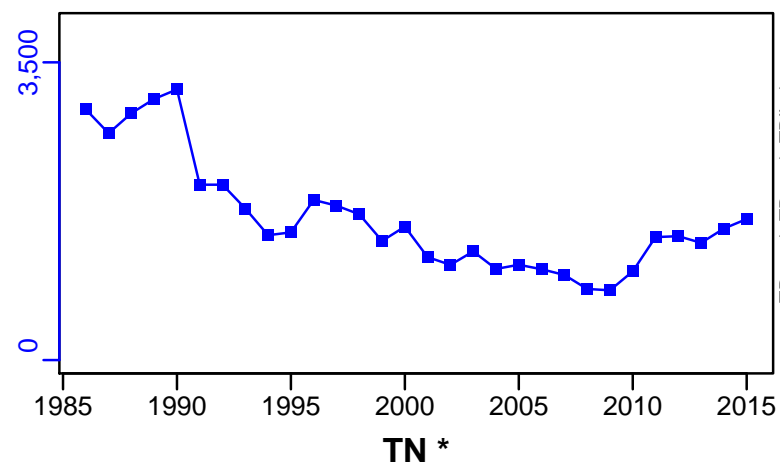
Production (1985–2016–ICESIMP2016)



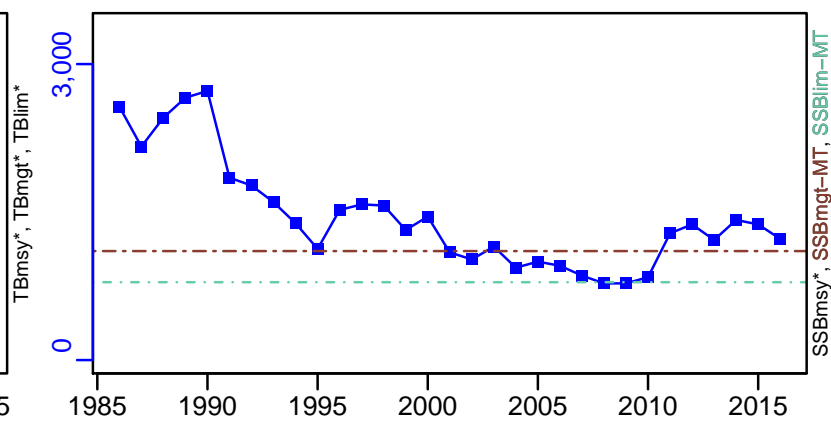
◆ Start Year ◆ End Year * No Data

Megrim ICES VIIIc-IXa [MEG8c9a]

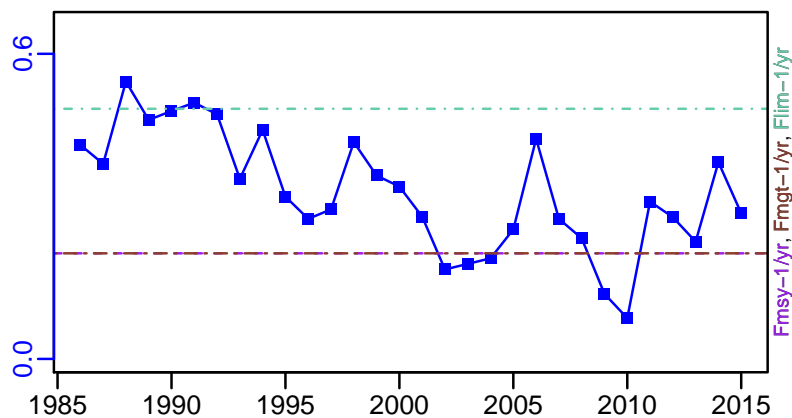
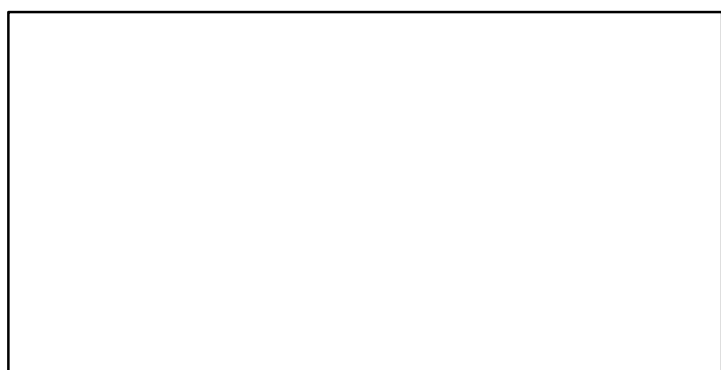
TB-MT (1985–2016–ICESIMP2016)



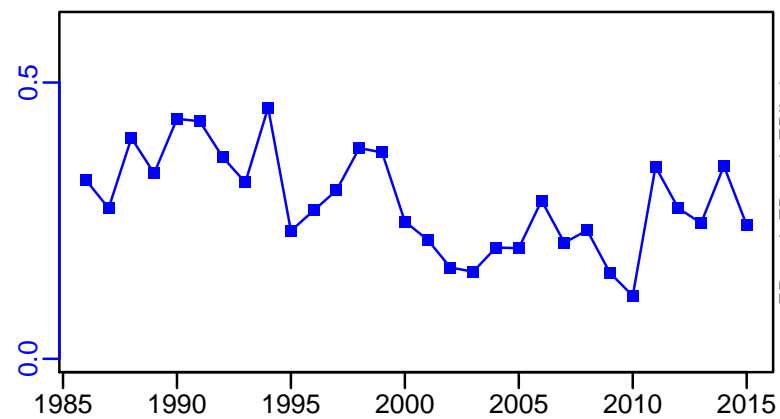
SSB-MT (1985–2016–ICESIMP2016)



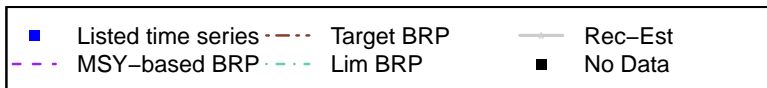
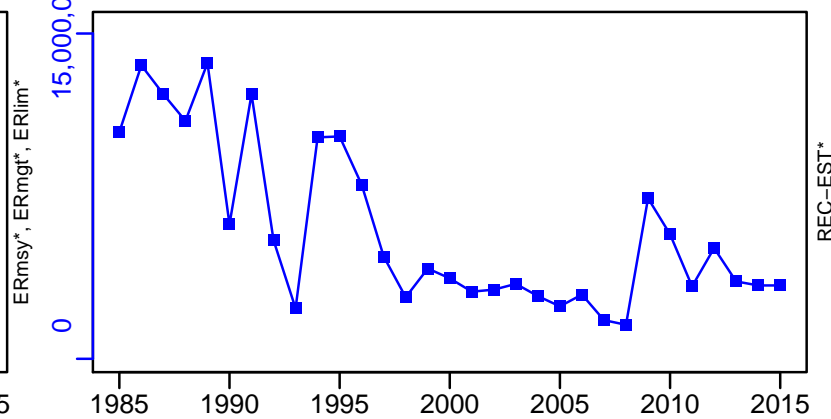
F-1/yr (1985–2016–ICESIMP2016)



ER-calc-ratio (1985–2016–ICESIMP2016)

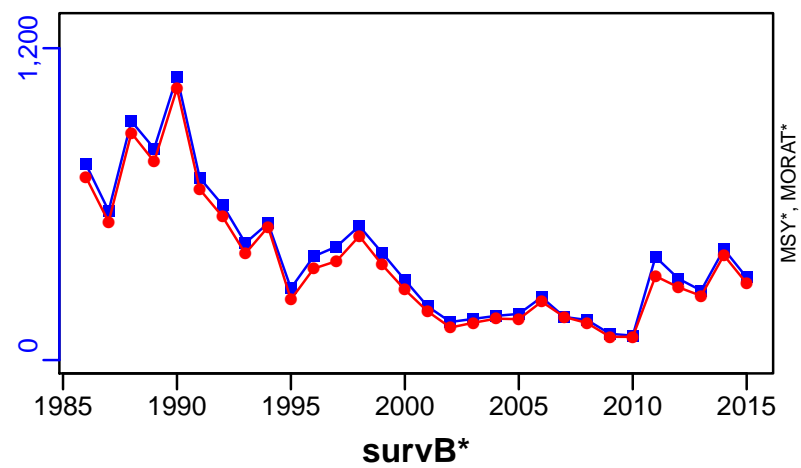


R-E00 (1985–2016–ICESIMP2016)

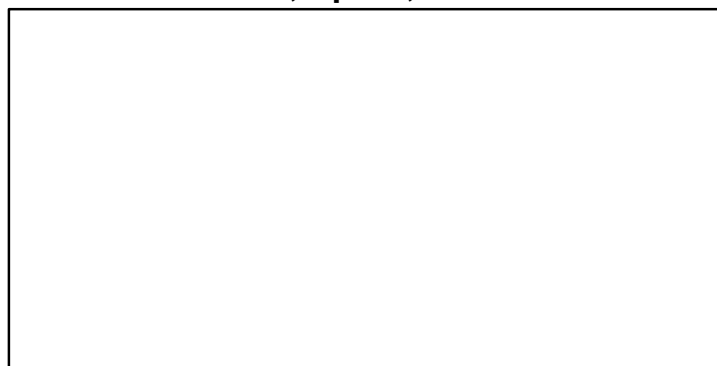


Megrim ICES VIIIc-IXa [MEG8c9a]

TC-MT, TL-MT, RecC* (1985-2016-ICESIMP2016)



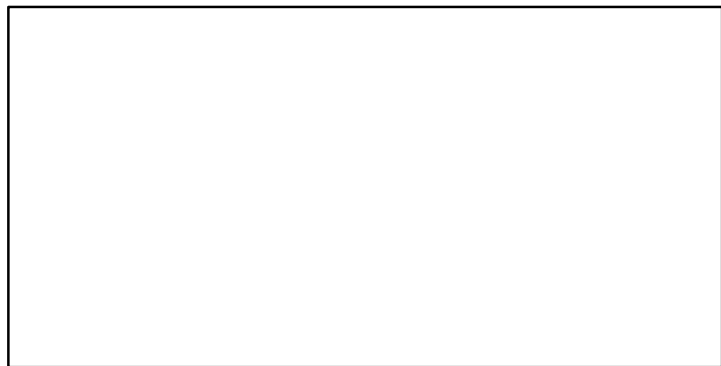
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Megrim spp. IVa and VIa [MEGSPPIVa-VIa]

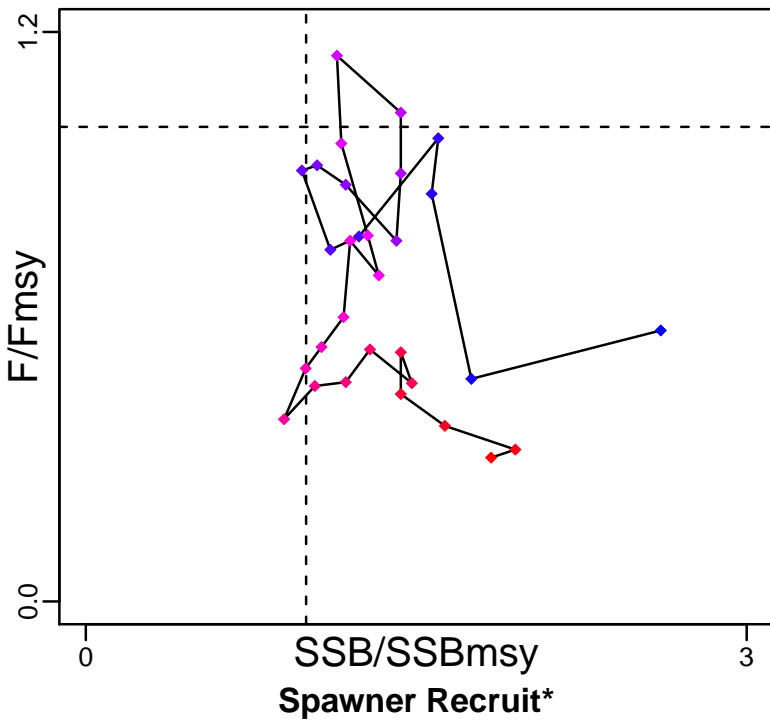
Metadata	
Scientific Name	Lepidorhombus spp.
Current Assess ID	WGCSE-MEGSPPIVa-VIa-1985-2015-ICESIMP2016
Area	IVa and VIa
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2012, 2013, 2015

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

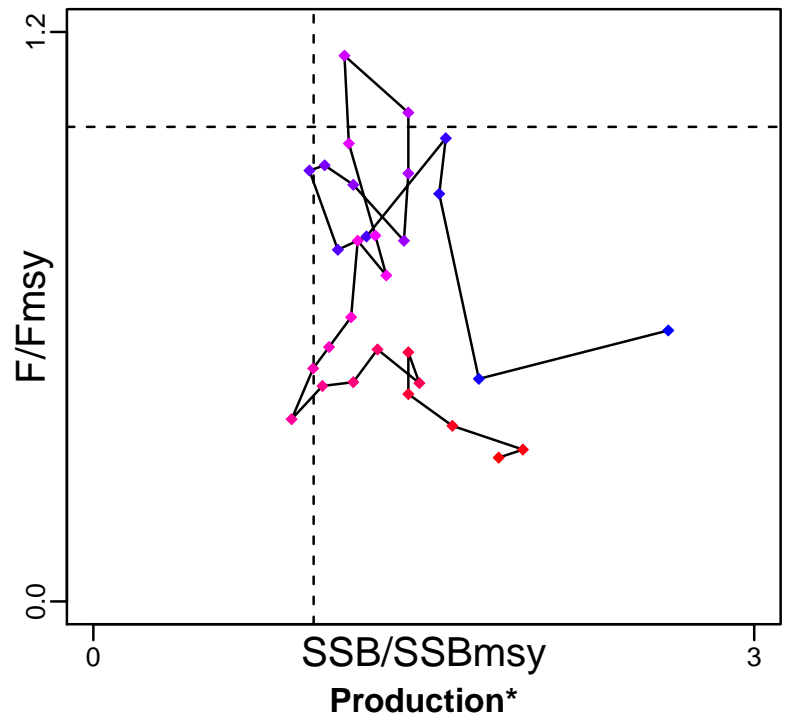
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2015	2810		
TL	TL-MT	2015	2500		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2015	1.84		
F/Fmsy	FdivFmsy-dimensionless	2015	0.303		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Megrim spp. IVa and VIa [MEGSPPIVa-VIa]

Kobe MSYpref (1985–2015–ICESIMP2016)



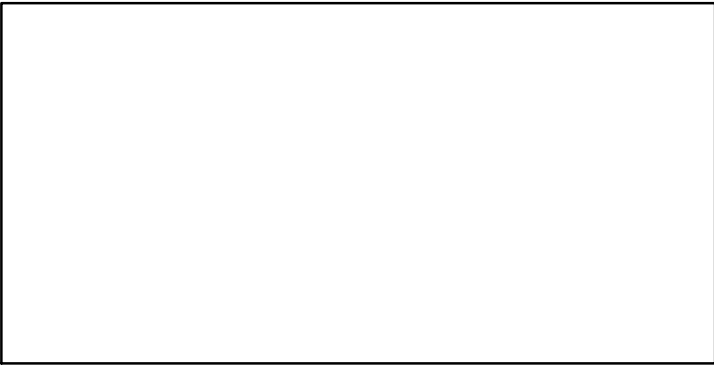
Kobe MGTpref (1985–2015–ICESIMP2016)



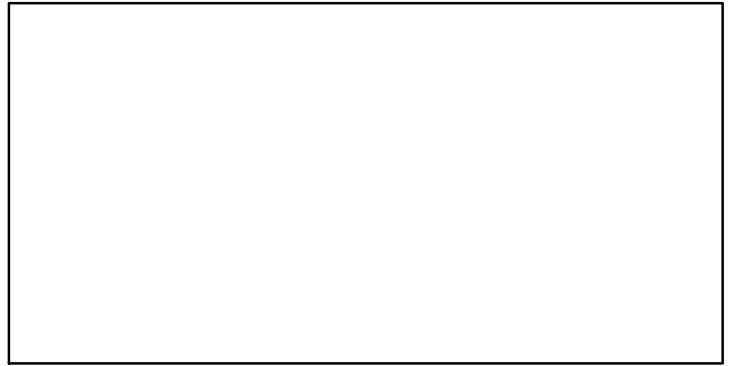
◆ Start Year ◆ End Year * No Data

Megrim spp. IVa and VIa [MEGSPPIVa-VIa]

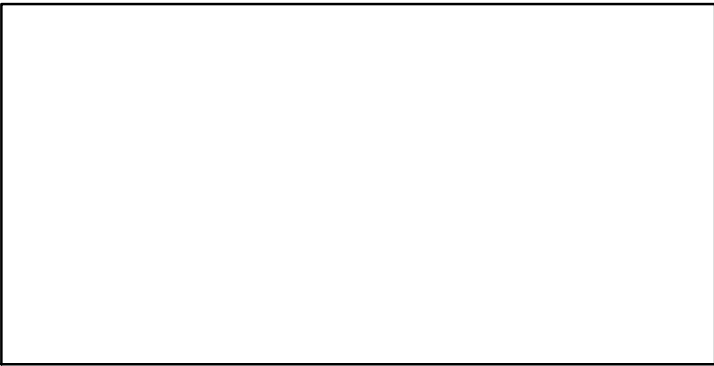
TB*



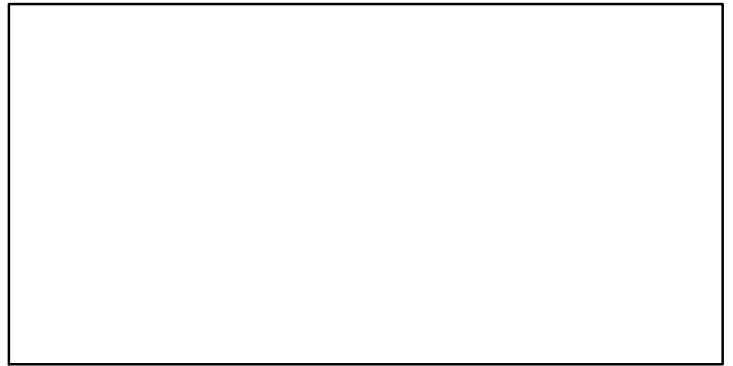
SSB*



TN *



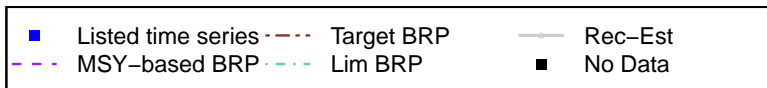
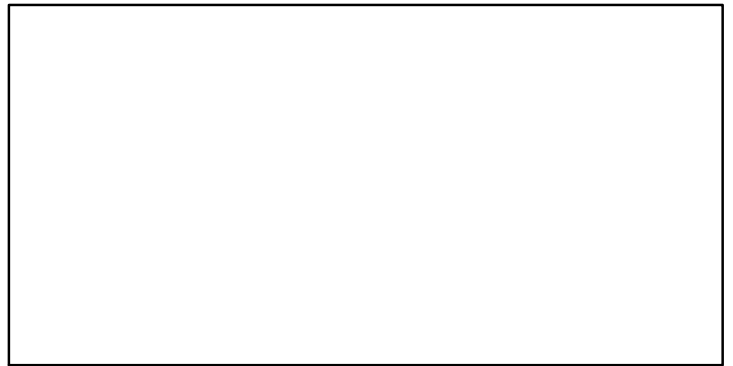
F*



ER*



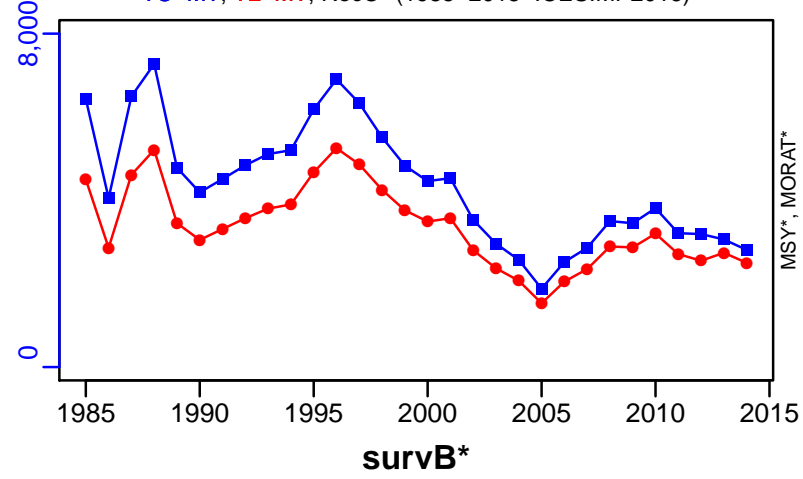
Recruits*



Megrim spp. IVa and VIa [MEGSPPIVa-VIa]

TC-MT, TL-MT, RecC* (1985–2015–ICESIMP2016)

TAC*, Cpair*, Cadv*



MSY*, MORAT*

survB*

CPUE*

EFFORT*

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

Megrim VII-VIIIabd [MEGVII-VIIIabd]

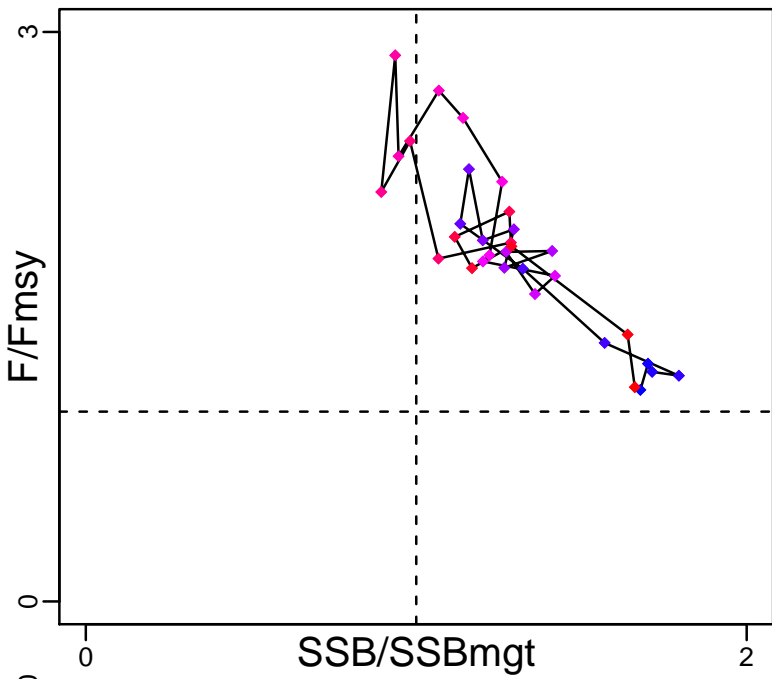
Metadata	
Scientific Name	Lepidorhombus whiffiagonis
Current Assess ID	WGBIE-MEGVII-VIIIabd-1983-2016-ICESIMP2016
Area	VII and VIIIabd
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.191
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	41,800
Fmgt	Fmgt-1/yr	2016	0.191
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	37,100
Flim	Flim-1/yr	2016	0.53
ERlim	-	-	-

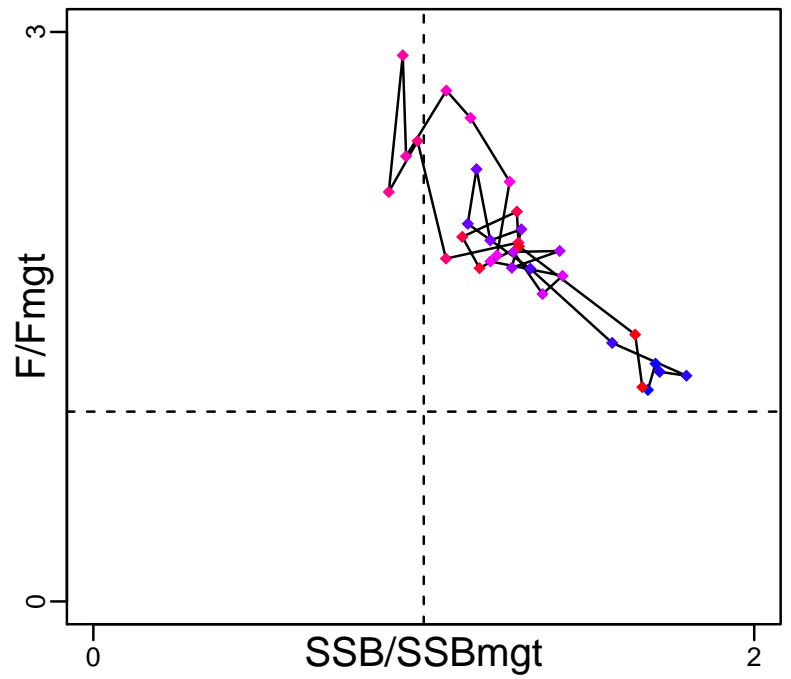
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	93,500	Both	-
SSB	SSB-MT	2016	80,600	Both	-
TN	-	-	-	-	-
R	R-E00	2016	2.35×10^8	-	1
F	F-1/yr	2016	0.216	-	3 to 6
ER	ER-calc-ratio	2016	0.14	-	-
TC	TC-MT	2016	13,100		
TL	TL-MT	2016	11,600		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.129		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.929		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.129		
ER/ERmgt	-	-	-		

Megrim VII–VIIIabd [MEGVII–VIIIabd]

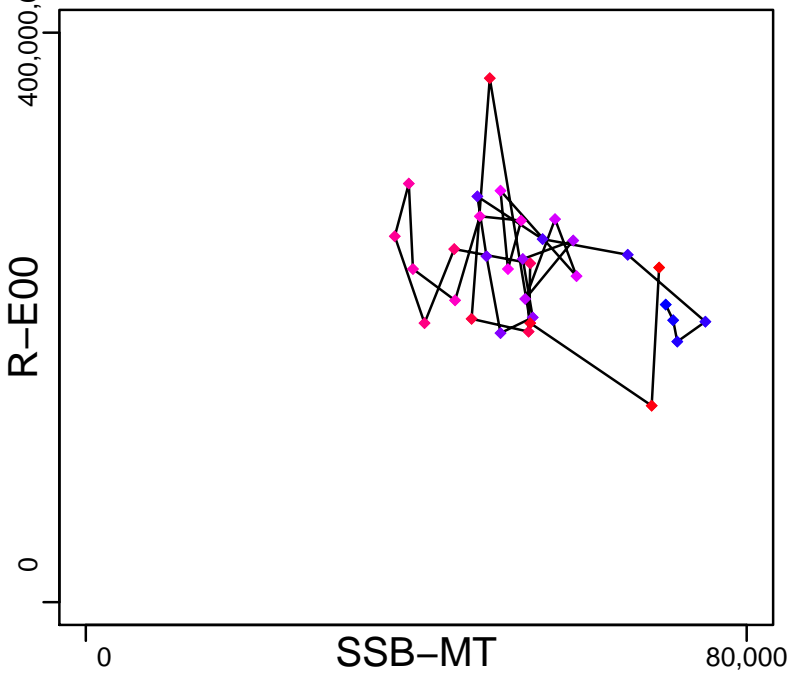
Kobe MSYpref (1983–2016–ICESIMP2016)



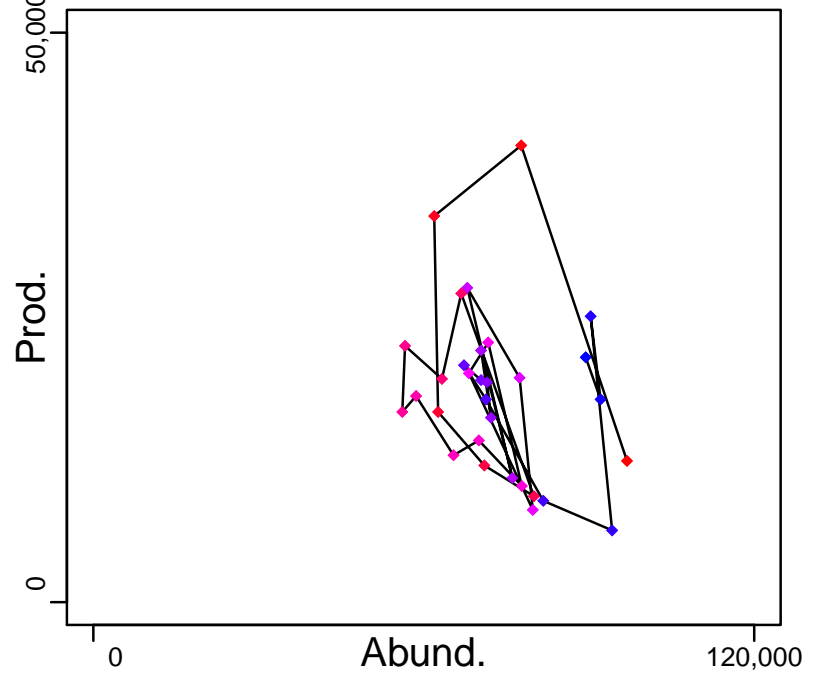
Kobe MGTpref (1983–2016–ICESIMP2016)



Spawner Recruit (1983–2016–ICESIMP2016)



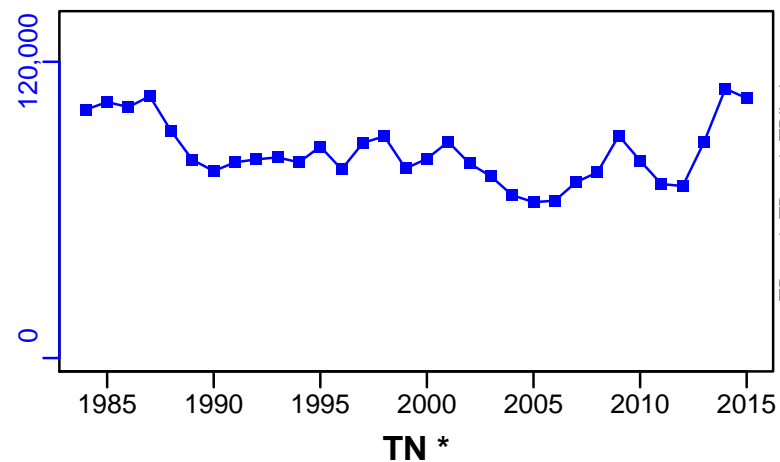
Production (1983–2016–ICESIMP2016)



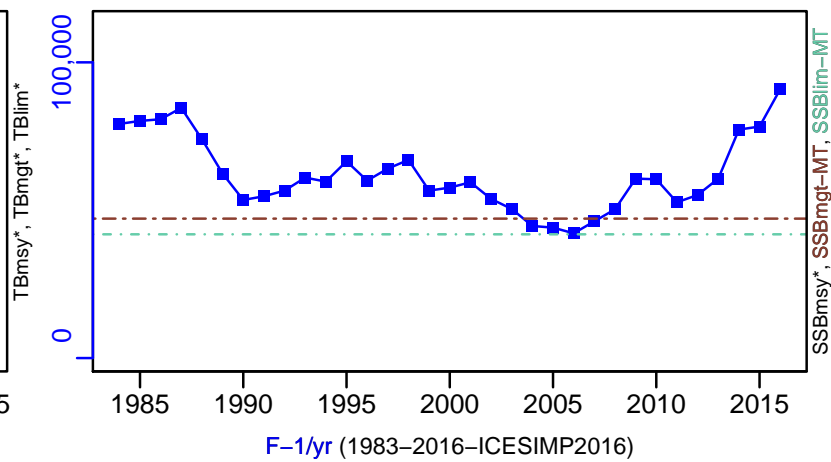
◆ Start Year ◆ End Year * No Data

Megrim VII-VIIIabd [MEGVII-VIIIabd]

TB-MT (1983-2016-ICESIMP2016)



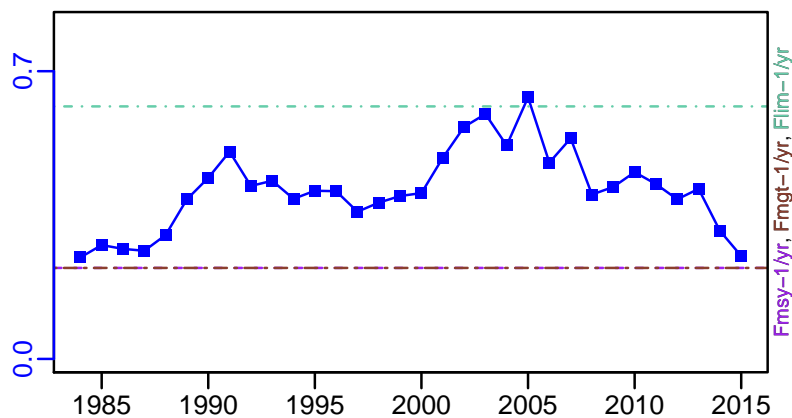
SSB-MT (1983-2016-ICESIMP2016)



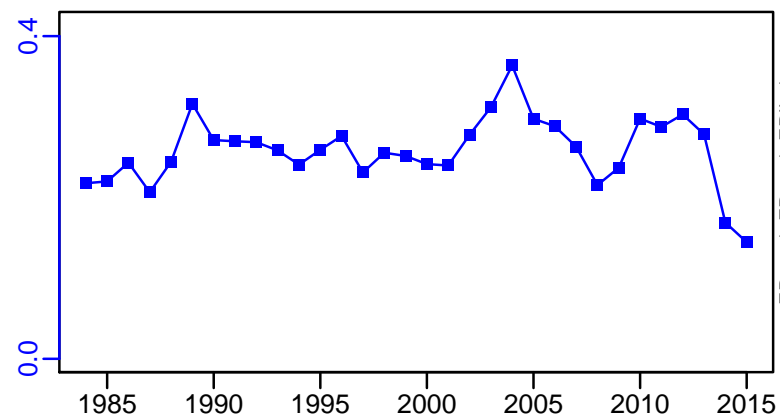
TN *



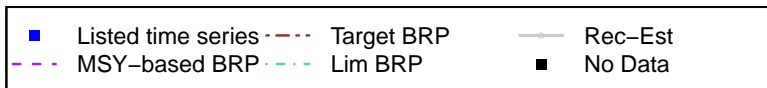
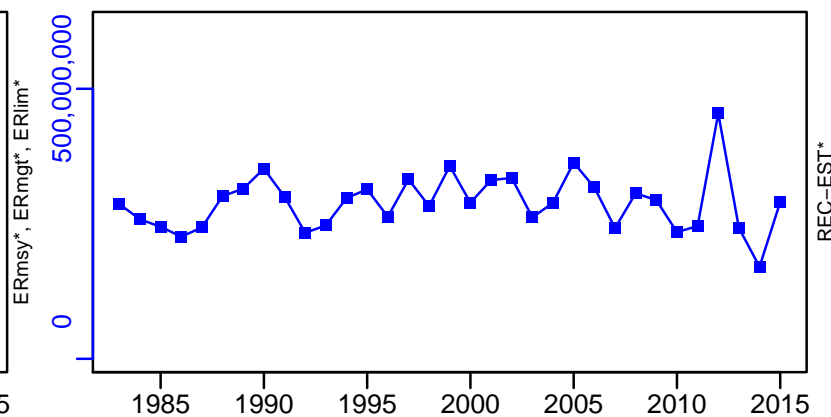
F-1/yr (1983-2016-ICESIMP2016)



ER-calc-ratio (1983-2016-ICESIMP2016)

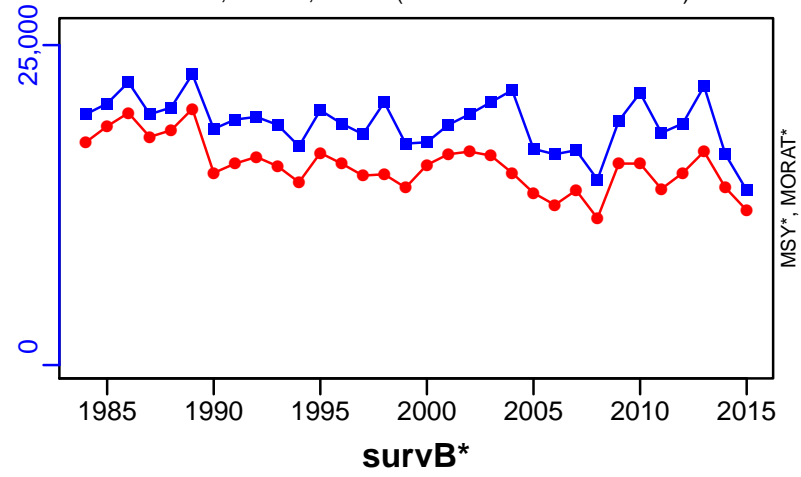


R-E00 (1983-2016-ICESIMP2016)

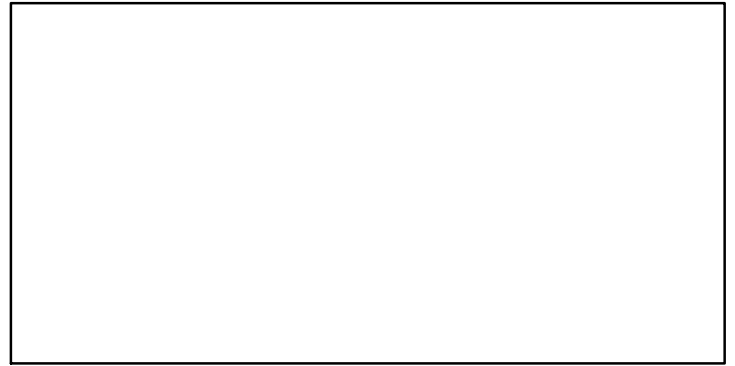


Megrin VII–VIIIabd [MEGVII–VIIIabd]

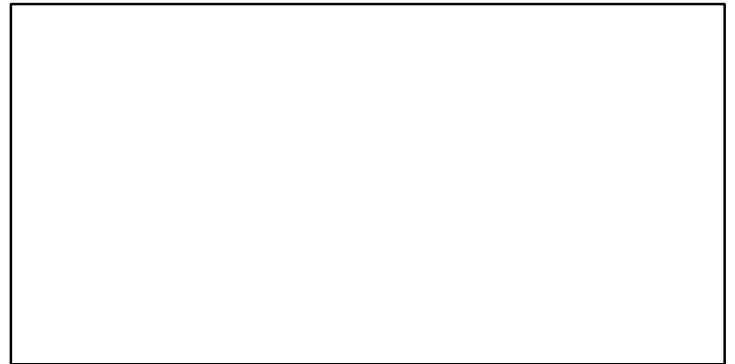
TC–MT, TL–MT, RecC* (1983–2016–ICESIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

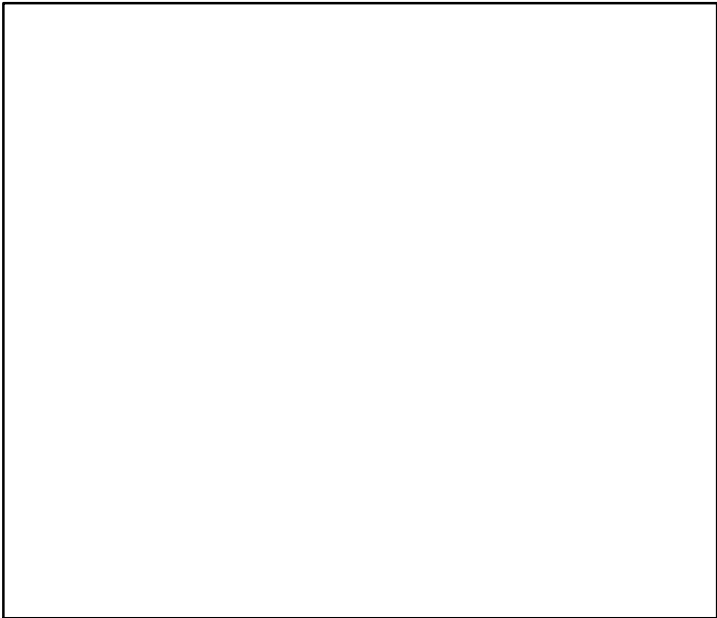
Norway lobster Noup (FU 10) [NEPHFU10]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGNSSK-NEPHFU10-1981-2016-ICESIMP2016
Area	Noup (FU 10)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2016

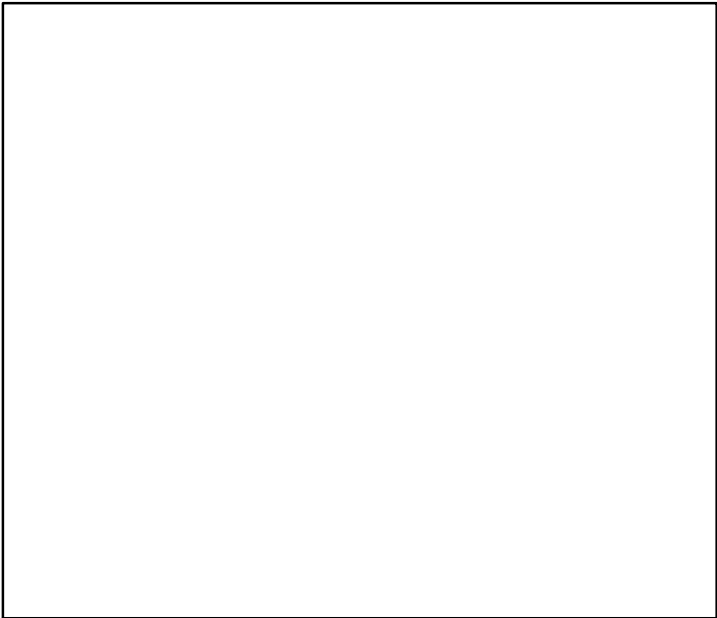
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	15		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

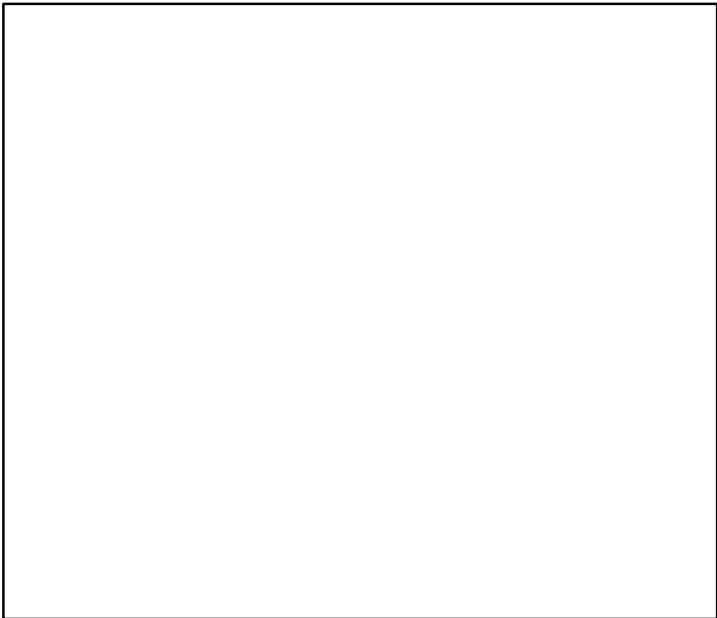
Kobe MSY*



Kobe MGT*



Spawner Recruit*

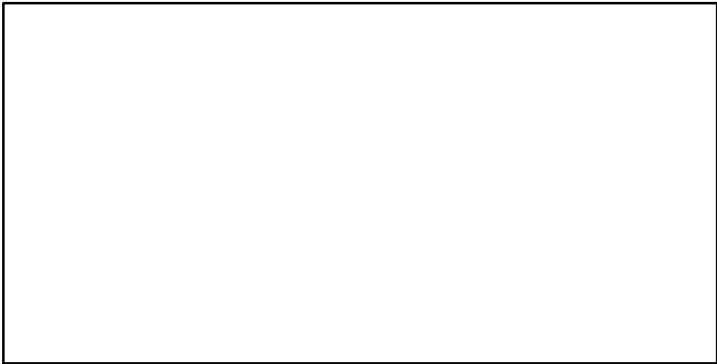


Production*

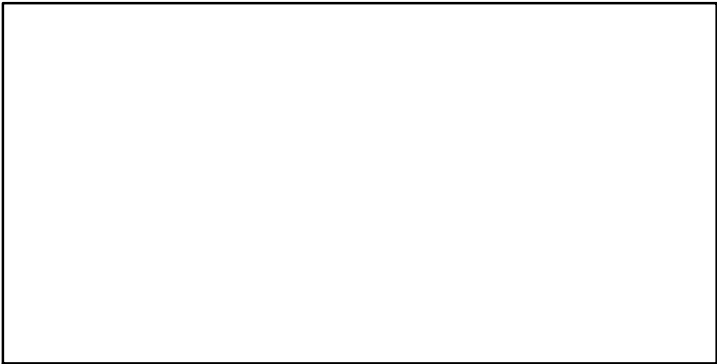


◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*

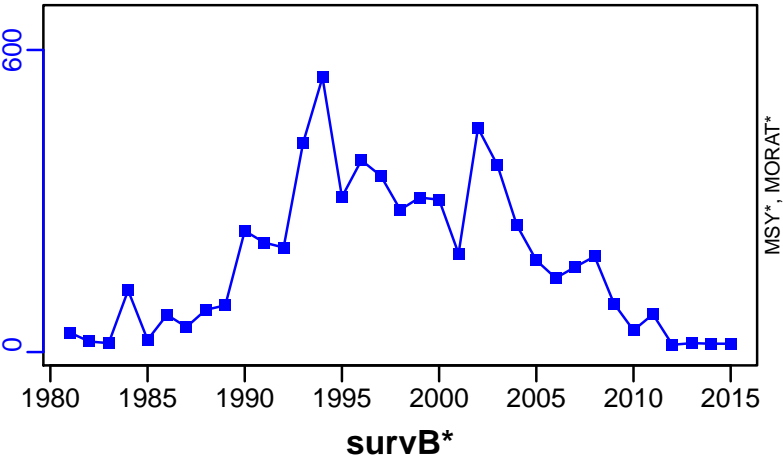


Recruits*



Norway lobster Noup (FU 10) [NEPHFU10]

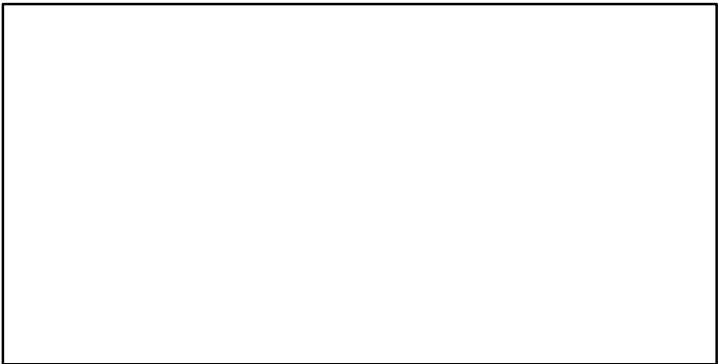
TL-MT, TC*, RecC* (1981-2016-ICESIMP2016)



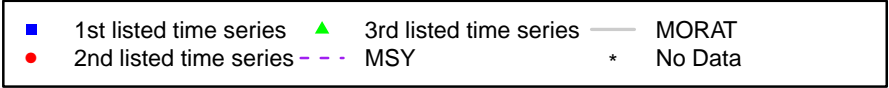
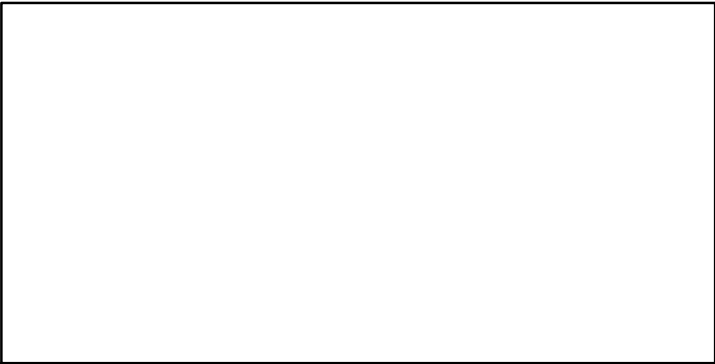
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



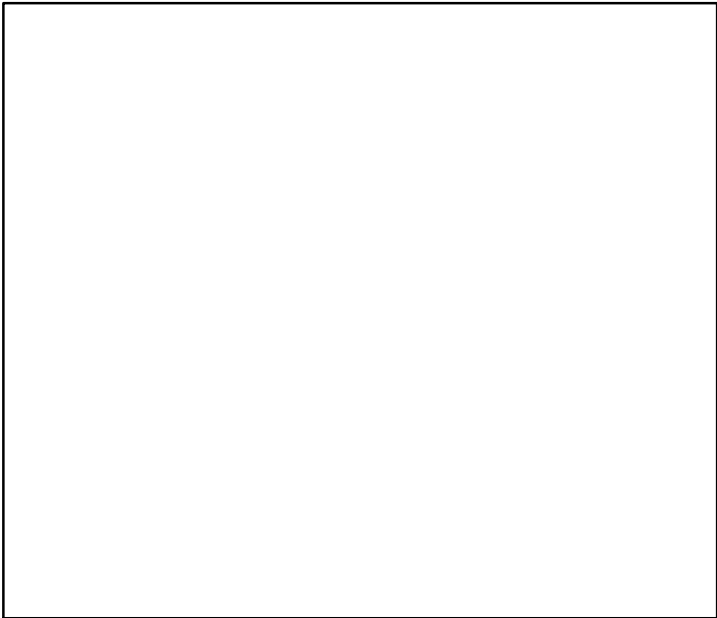
Norway lobster North Minch (FU 11) [NEPHFU11]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGCSE-NEPHFU11-1981-2015-ICESIMP2016
Area	North Minch (FU 11)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015

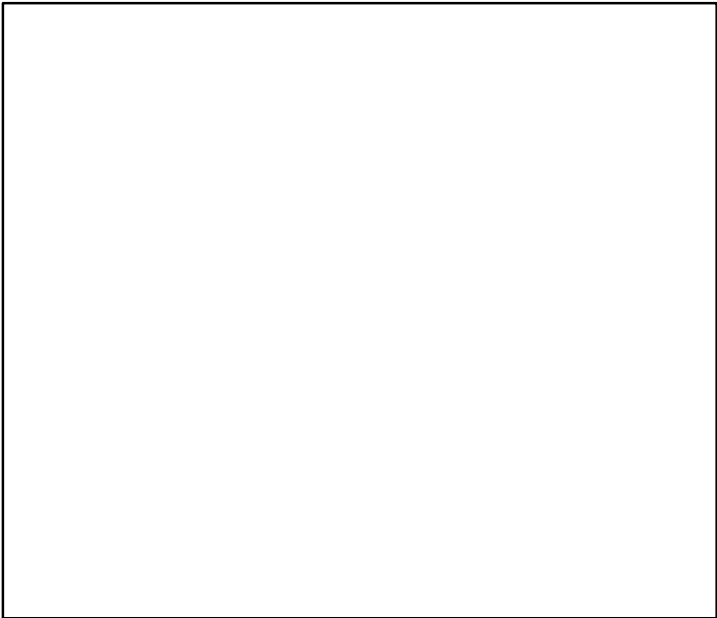
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2015	0.109
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2015	0.109
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2015	0.096	-	-
TC	-	-	-		
TL	TL-MT	2015	3240		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2015	0.881		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

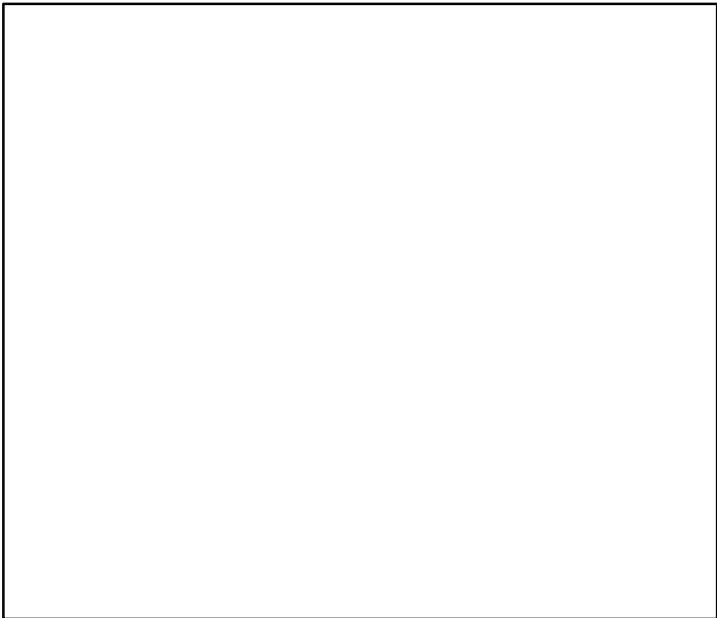
Kobe MSY*



Kobe MGT*



Spawner Recruit*



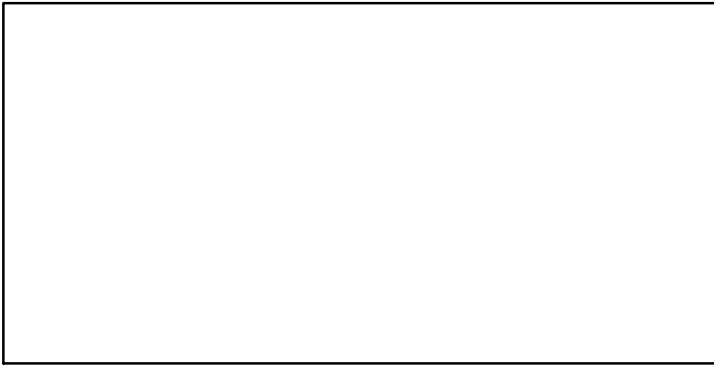
Production*



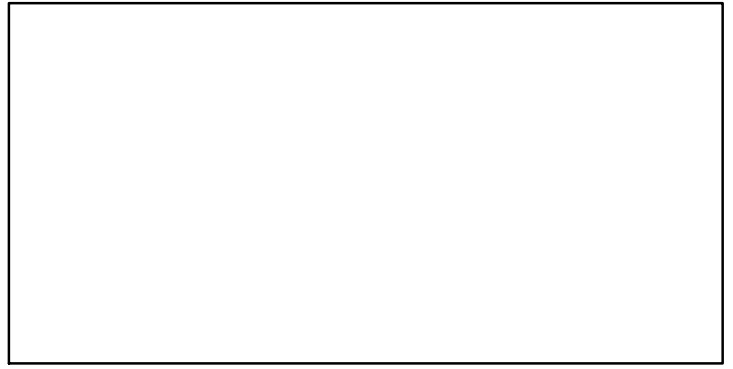
◆ Start Year ◆ End Year * No Data

Norway lobster North Minch (FU 11) [NEPHFU11]

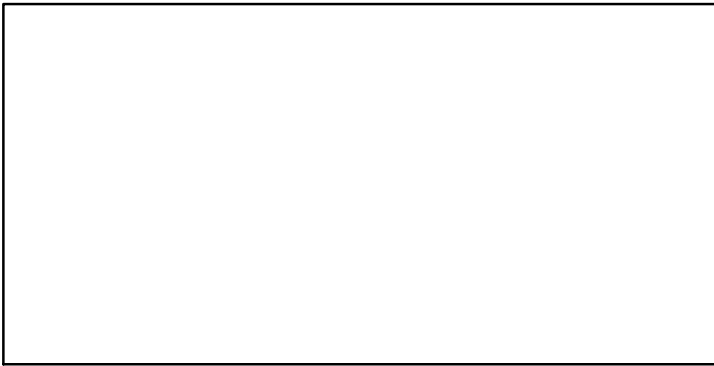
TB*



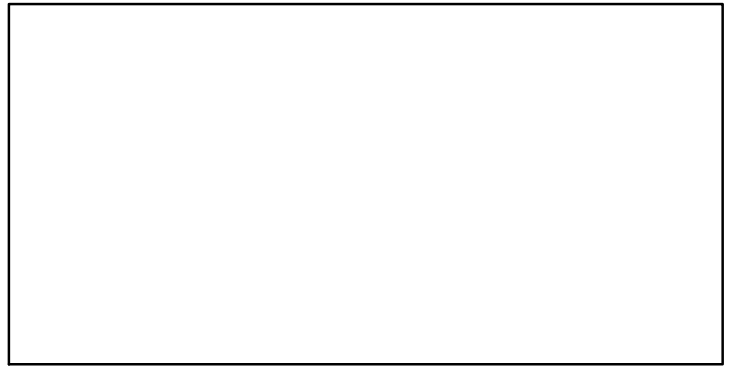
SSB*



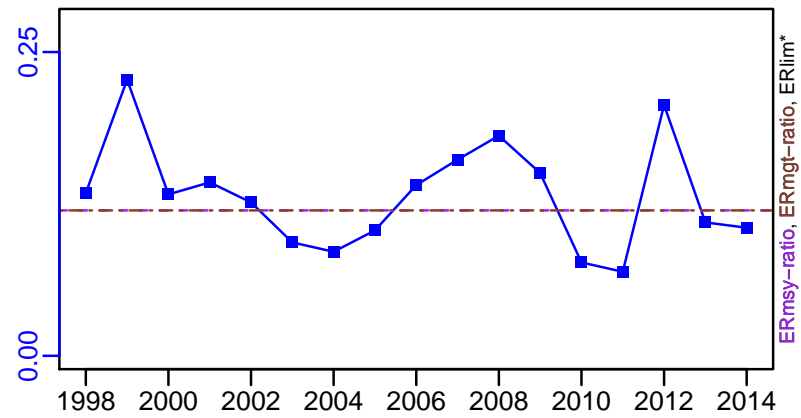
TN *



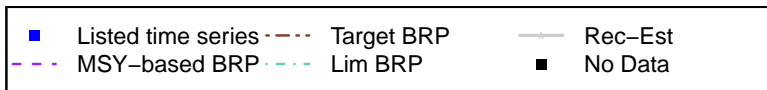
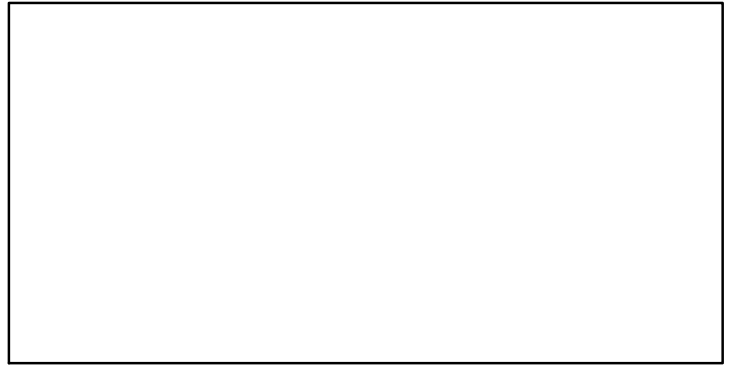
F*



ER-ratio (1981–2015–ICESIMP2016)



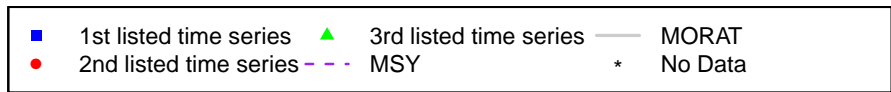
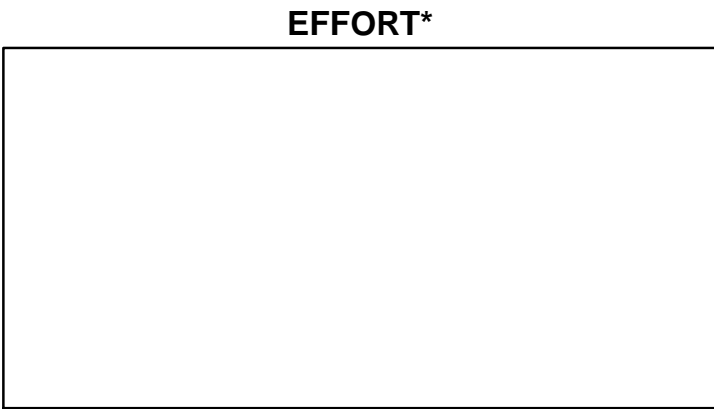
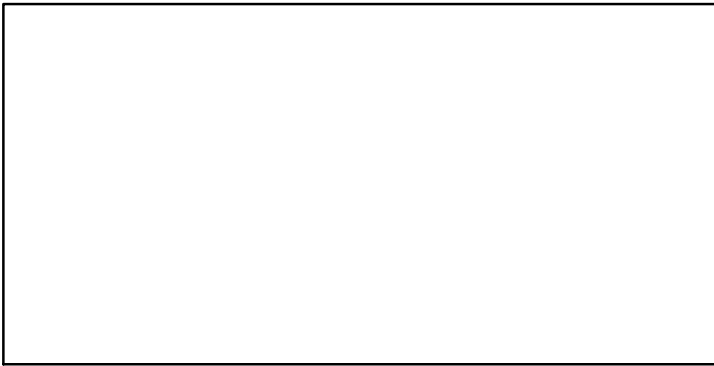
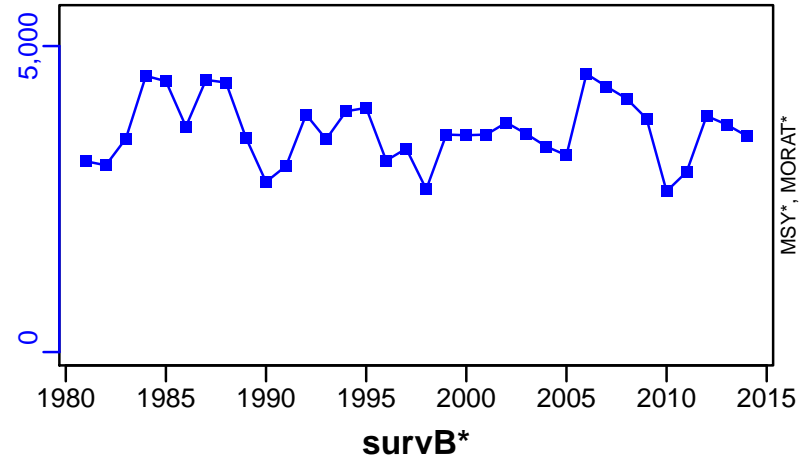
Recruits*



Norway lobster North Minch (FU 11) [NEPHFU11]

TL-MT, TC*, RecC* (1981-2015-ICESIMP2016)

TAC*, Cpair*, Cadv*



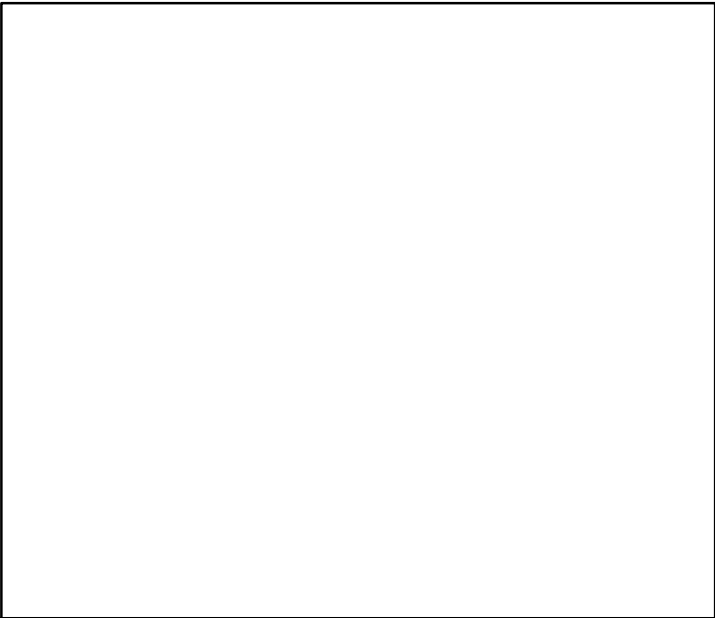
Norway lobster South Minch (FU 12) [NEPHFU12]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGCSE-NEPHFU12-1981-2015-ICESIMP2016
Area	South Minch (FU 12)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015

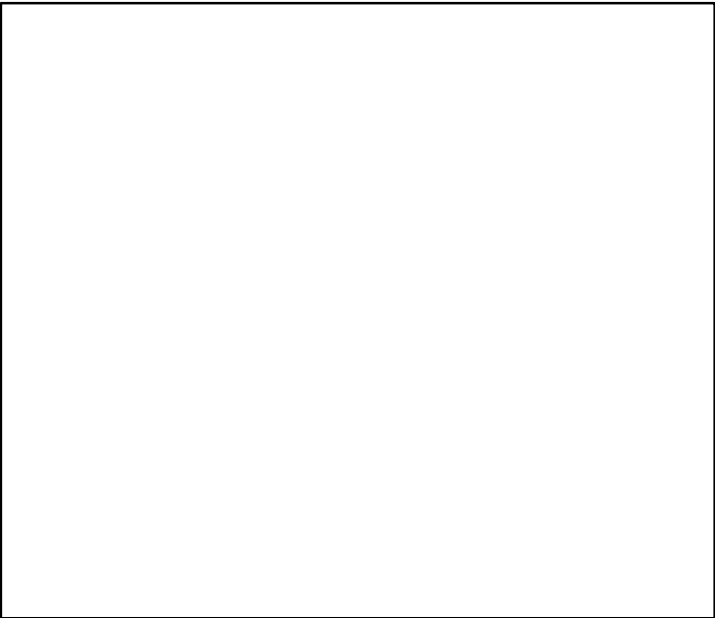
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2015	0.123
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2015	0.123
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2015	0.058	-	-
TC	-	-	-		
TL	TL-MT	2015	3160		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2015	0.472		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

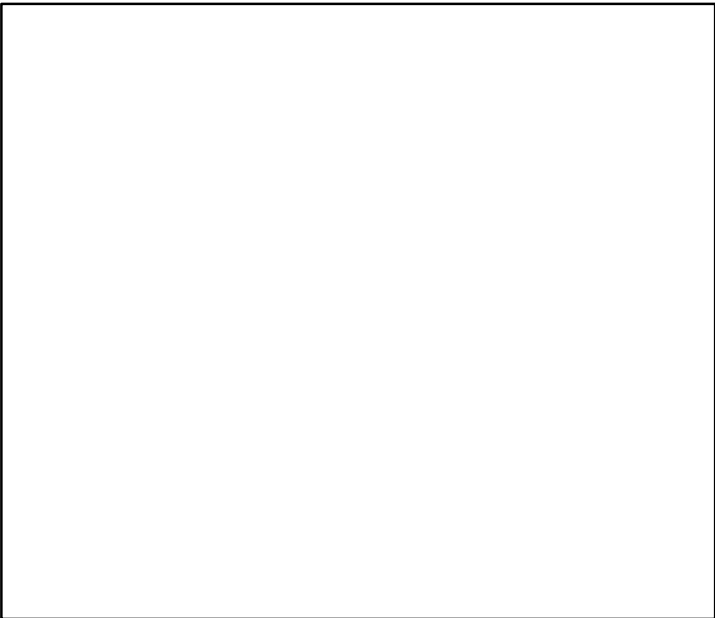
Kobe MSY*



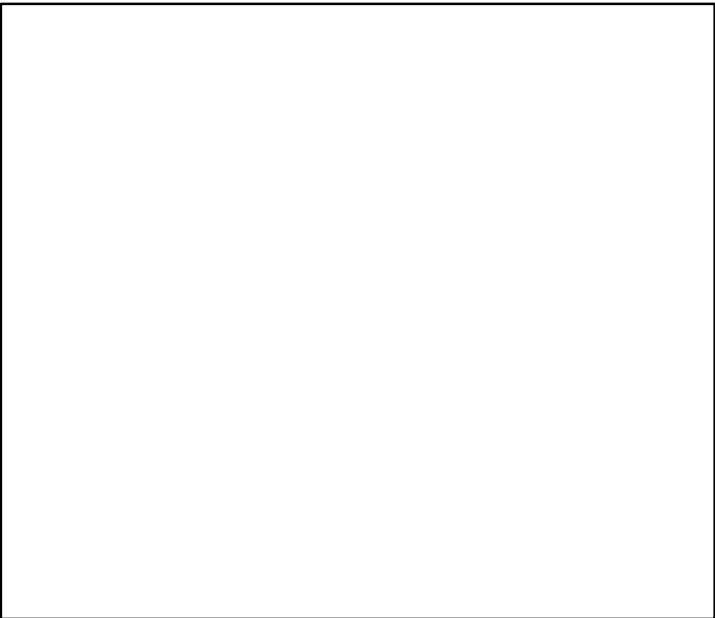
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Norway lobster South Minch (FU 12) [NEPHFU12]

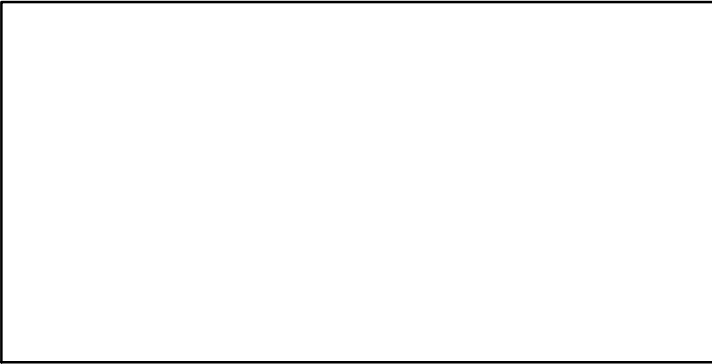
TB*



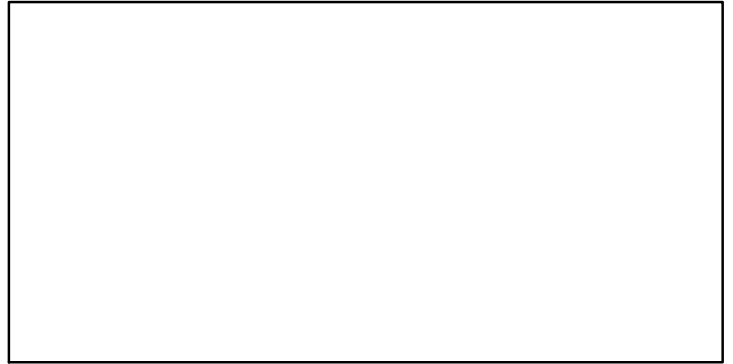
SSB*



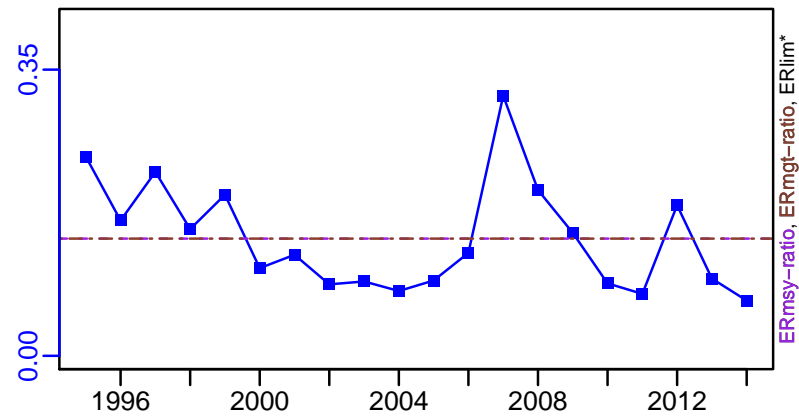
TN *



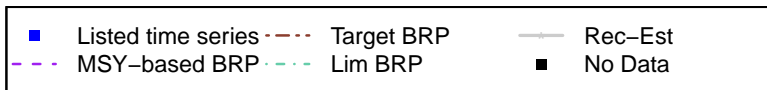
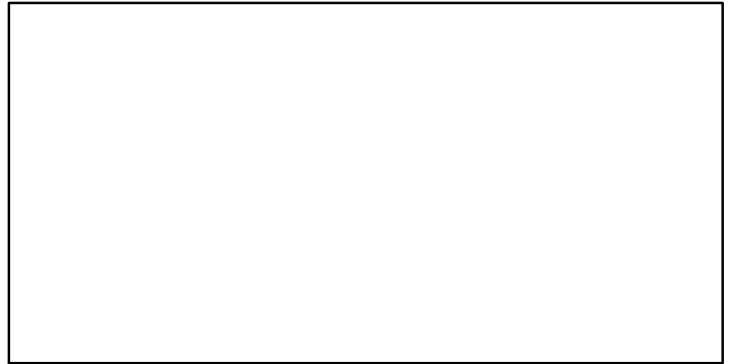
F*



ER-ratio (1981–2015–ICESIMP2016)



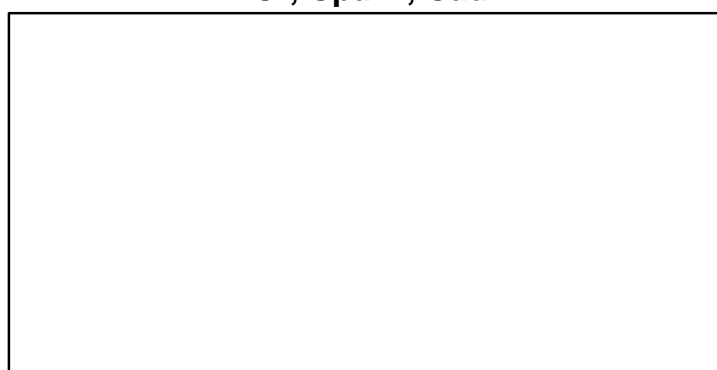
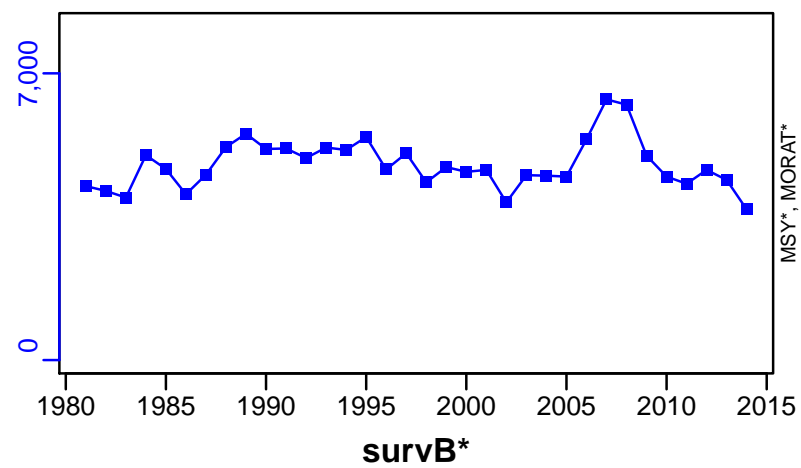
Recruits*



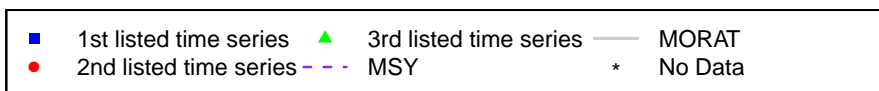
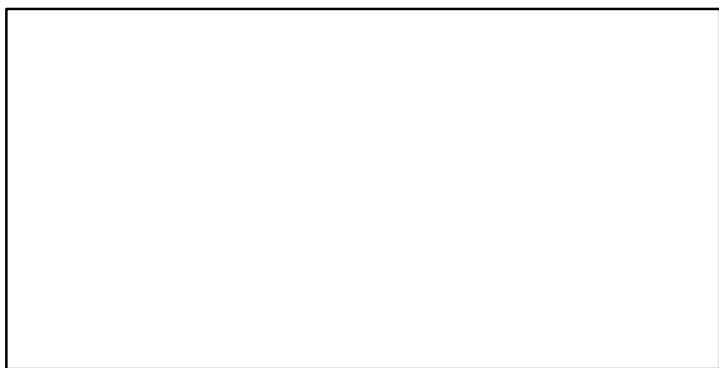
Norway lobster South Minch (FU 12) [NEPHFU12]

TL-MT, TC*, RecC* (1981-2015-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



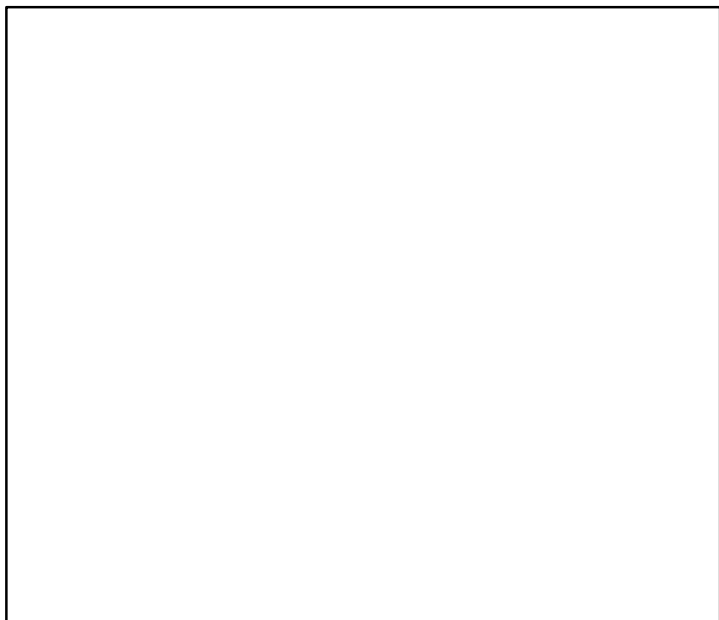
Norway lobster Firth of Clyde and Sound of Jura (FU 13) [NEPHFU13]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGCSE-NEPHFU13-1981-2015-ICESIMP2016
Area	Firth of Clyde and Sound of Jura (FU 13)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015

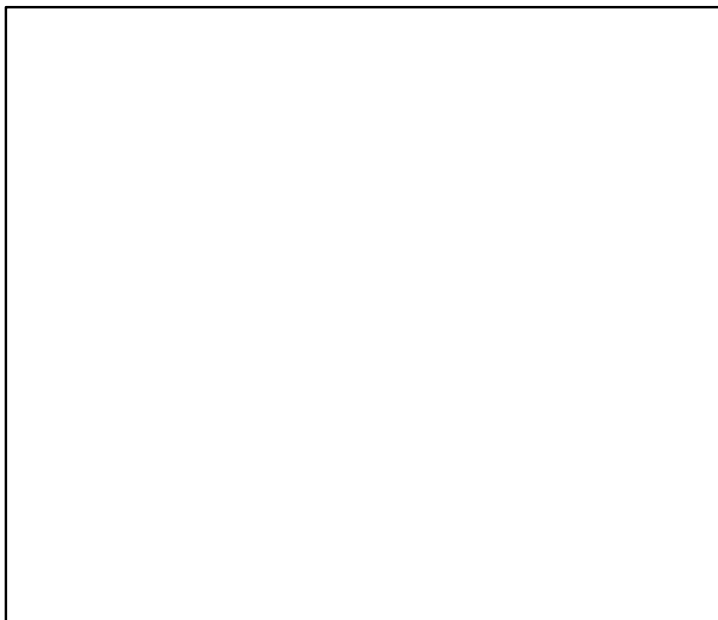
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2015	0.164
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2015	0.164
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2015	0.226	-	-
TC	-	-	-		
TL	TL-MT	2015	6190		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2015	1.378		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

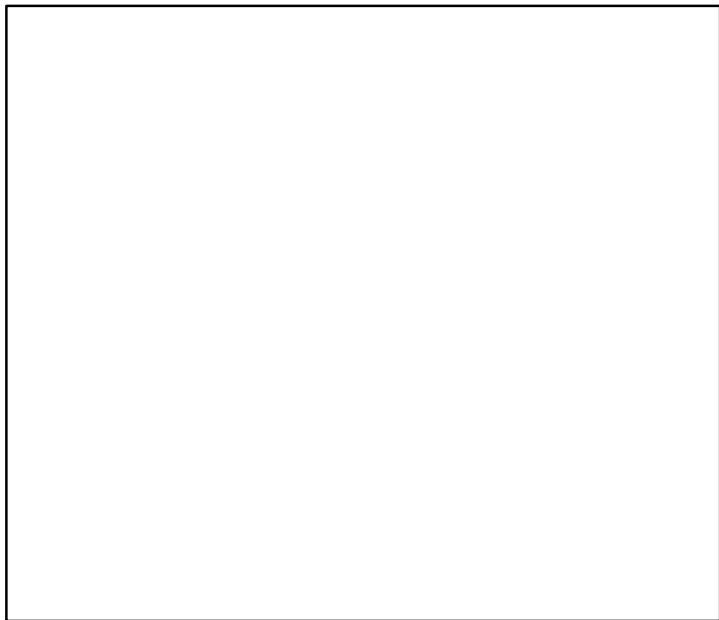
Kobe MSY*



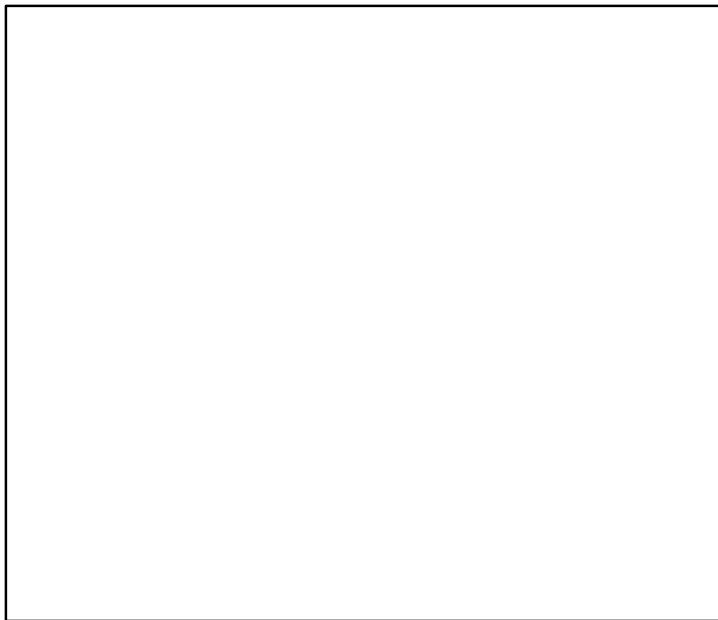
Kobe MGT*



Spawner Recruit*



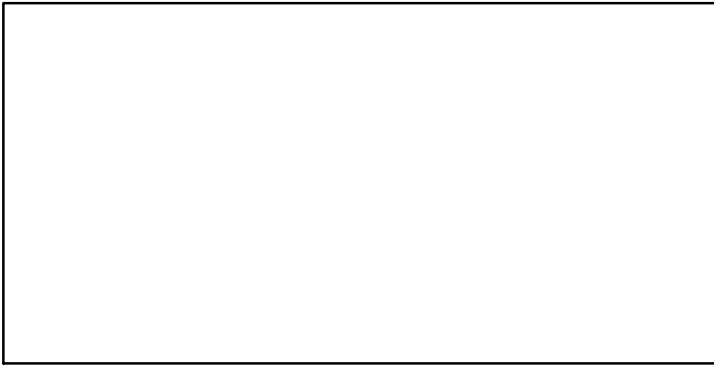
Production*



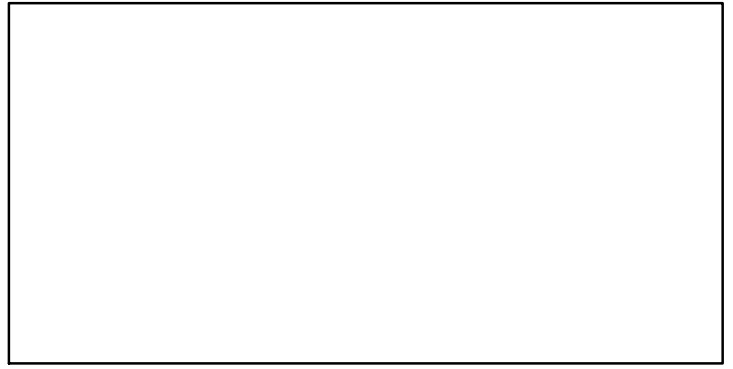
◆ Start Year ◆ End Year * No Data

Norway lobster Firth of Clyde and Sound of Jura (FU 13) [NEPHFU13]

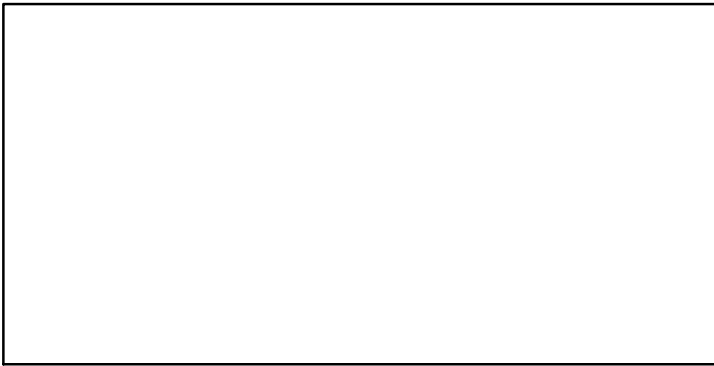
TB*



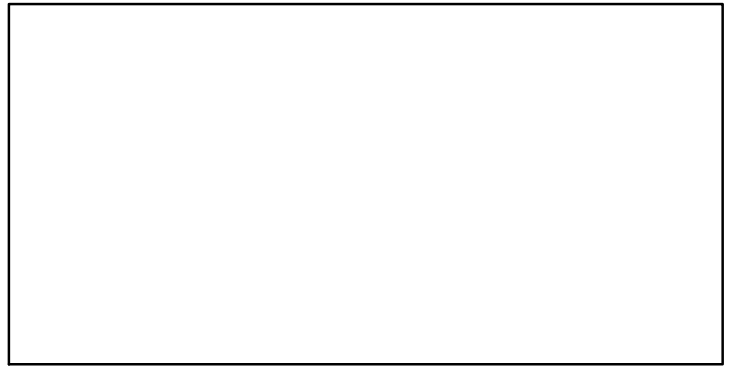
SSB*



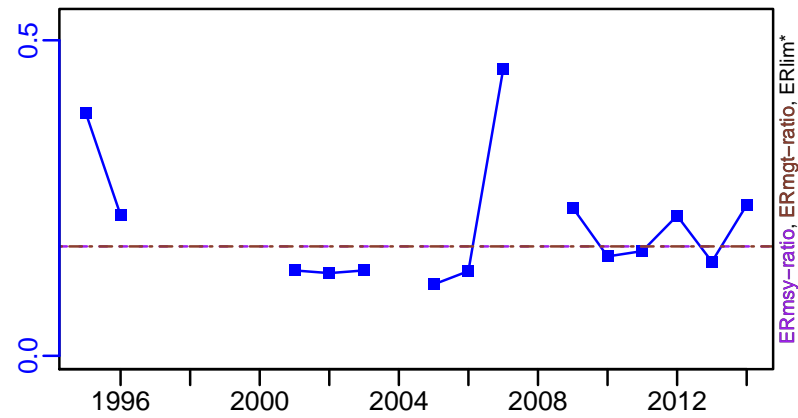
TN *



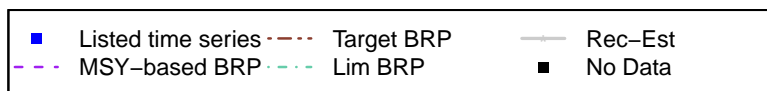
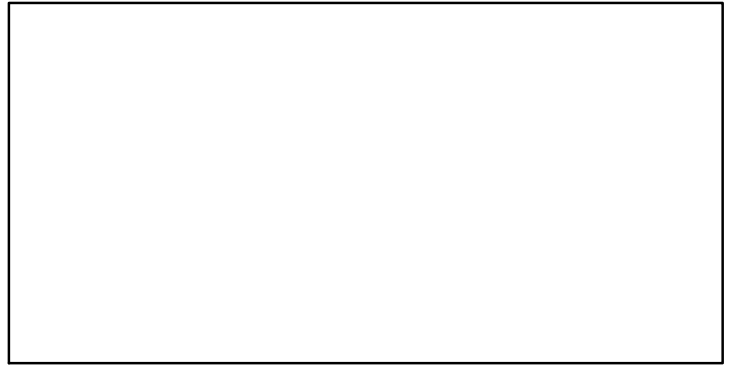
F*



ER-ratio (1981–2015–ICESIMP2016)



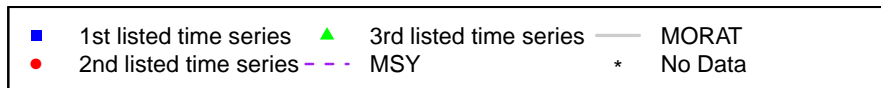
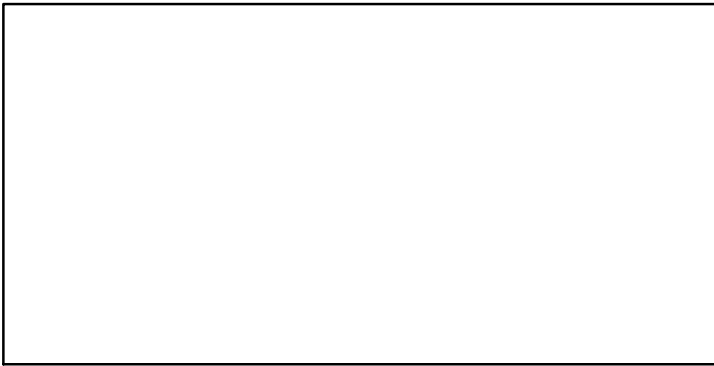
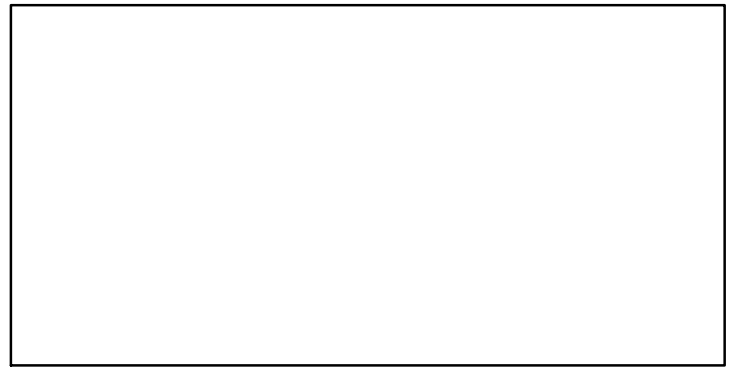
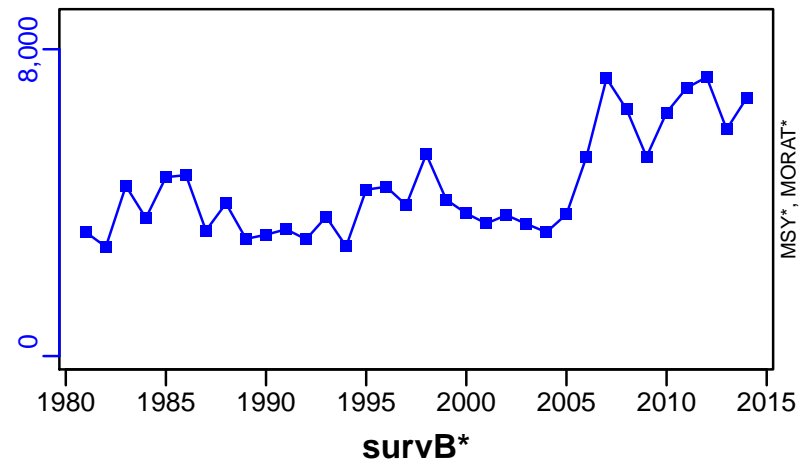
Recruits*



Norway lobster Firth of Clyde and Sound of Jura (FU 13) [NEPHFU13]

TL-MT, TC*, RecC* (1981-2015-ICESIMP2016)

TAC*, Cpair*, Cadv*



Norway lobster Irish Sea East (FU 14) [NEPHFU14]

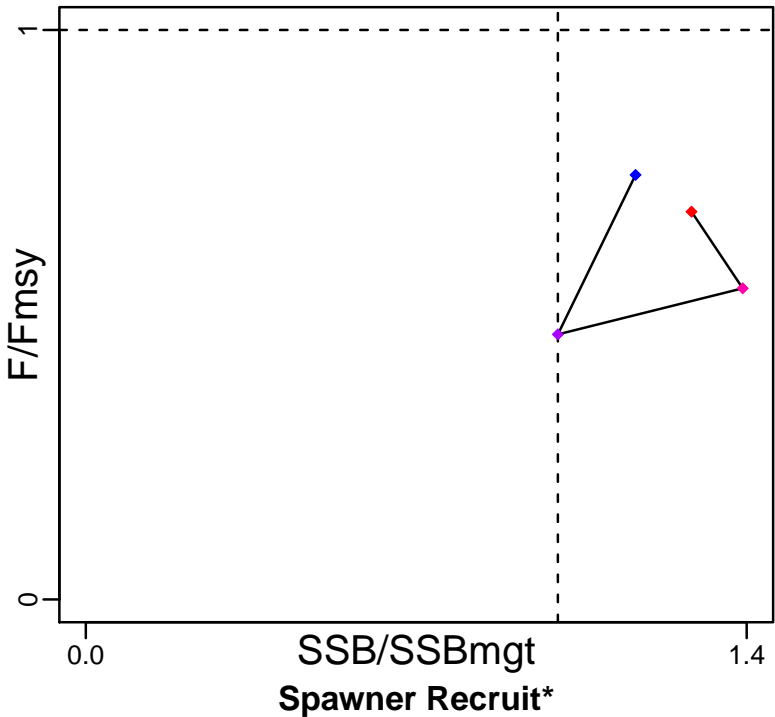
Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGCSE-NEPHFU14-2000-2015-ICESIMP2016
Area	Irish Sea East (FU 14)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2015	11
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2015	350
Fmgt	Fmgt-1/yr	2015	11
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

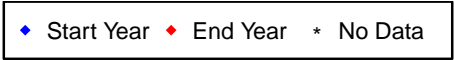
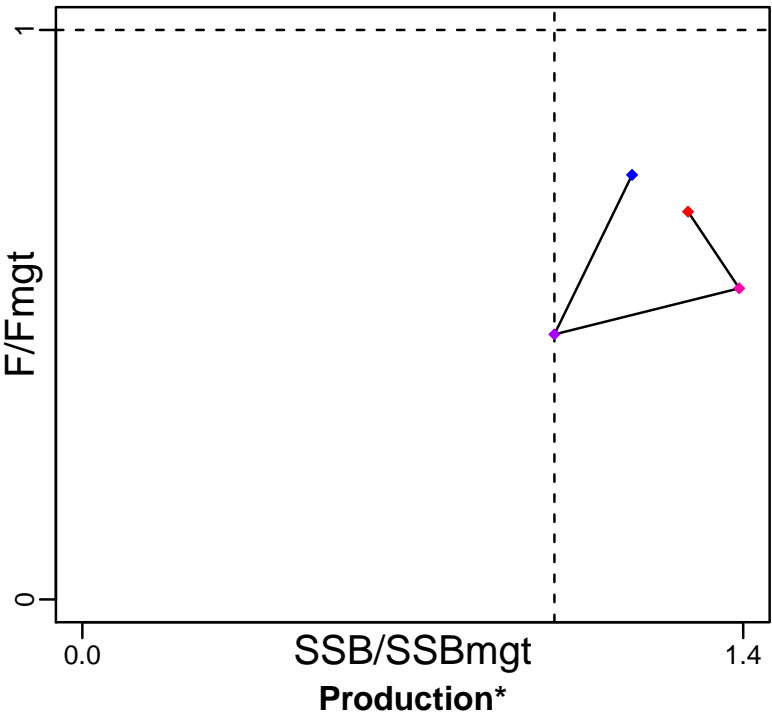
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2015	591	Both	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2015	7.49	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	679		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.681		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	1.687		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.681		
ER/ERmgt	-	-	-		

Norway lobster Irish Sea East (FU 14) [NEPHFU14]

Kobe MSYpref (2000–2015–ICESIMP2016)



Kobe MGTpref (2000–2015–ICESIMP2016)

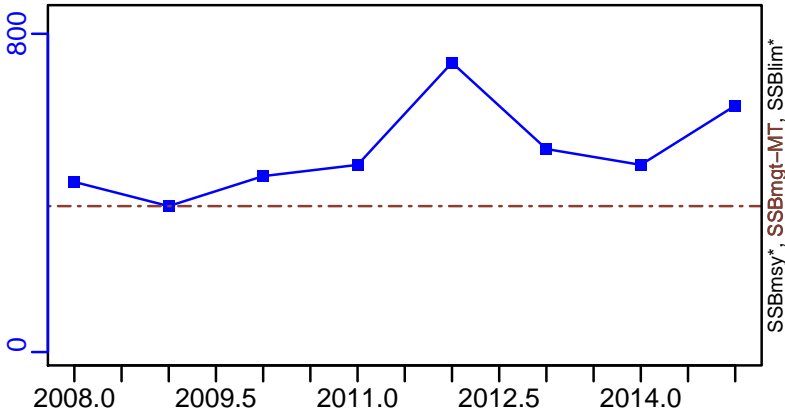


Norway lobster Irish Sea East (FU 14) [NEPHFU14]

TB*



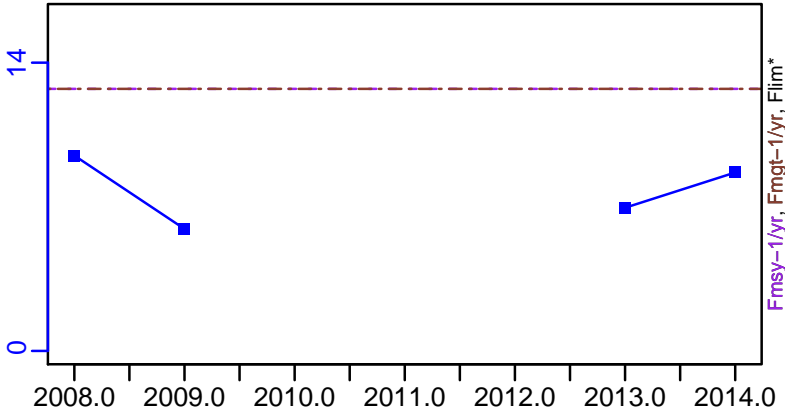
SSB-MT (2000–2015–ICESIMP2016)



TN *



F-1/yr (2000–2015–ICESIMP2016)



ER*

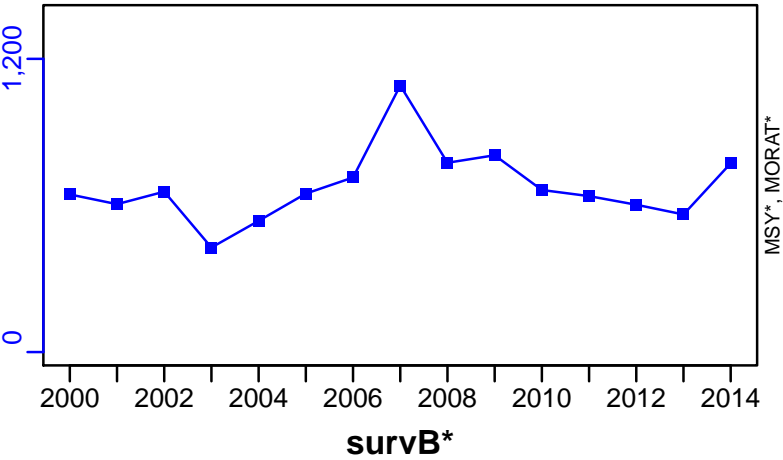


Recruits*



Norway lobster Irish Sea East (FU 14) [NEPHFU14]

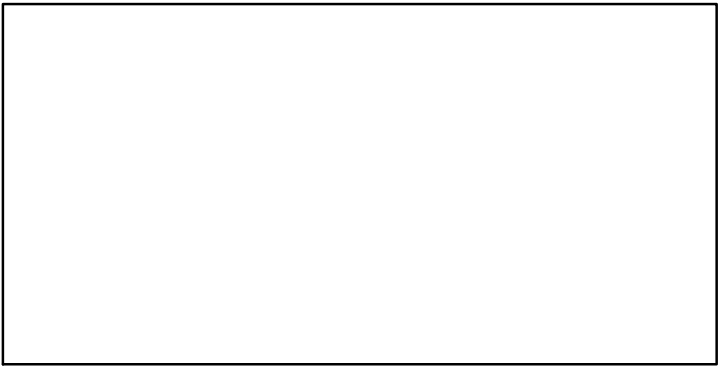
TL-MT, TC*, RecC* (2000–2015–ICESIMP2016)



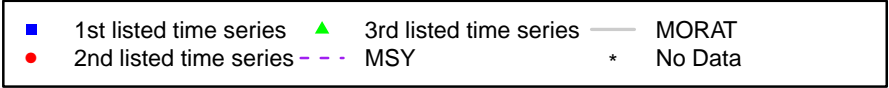
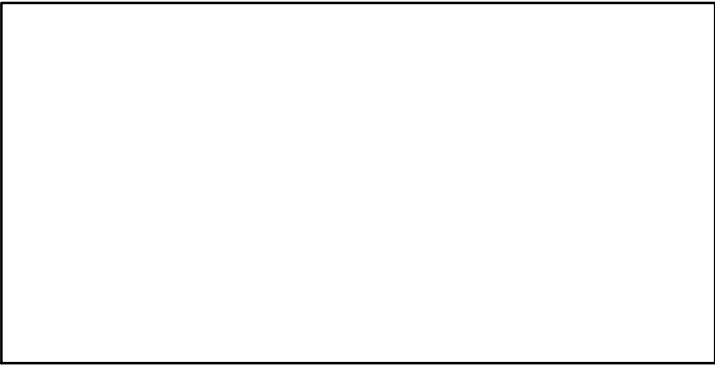
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



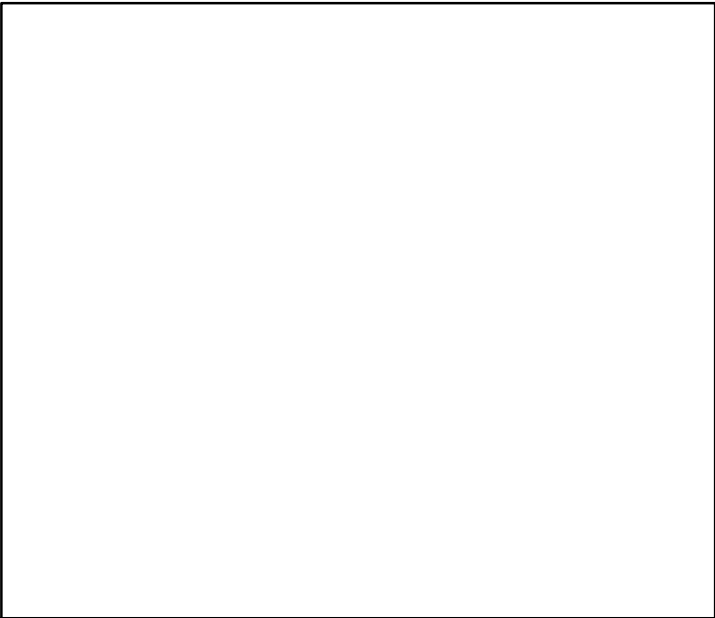
Norway lobster Irish Sea West (FU 15) [NEPHFU15]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGCSE-NEPHFU15-1960-2015-ICESIMP2016
Area	Irish Sea West (FU 15)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015

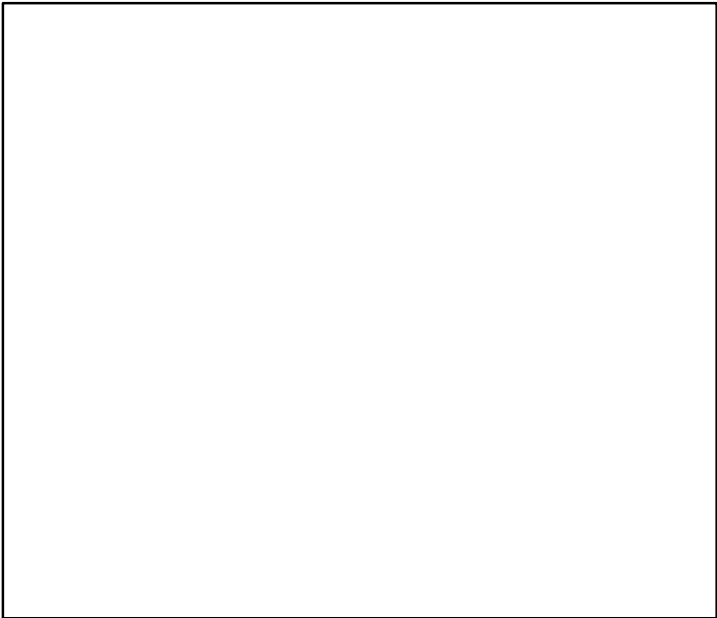
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2015	17.1
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2015	17.1
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2015	17.5	-	-
TC	-	-	-		
TL	TL-MT	2015	8610		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2015	1.023		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

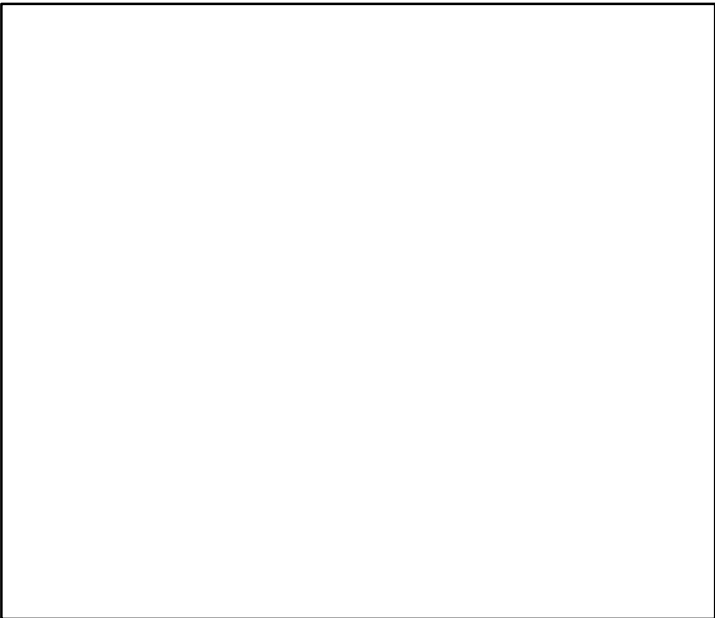
Kobe MSY*



Kobe MGT*



Spawner Recruit*

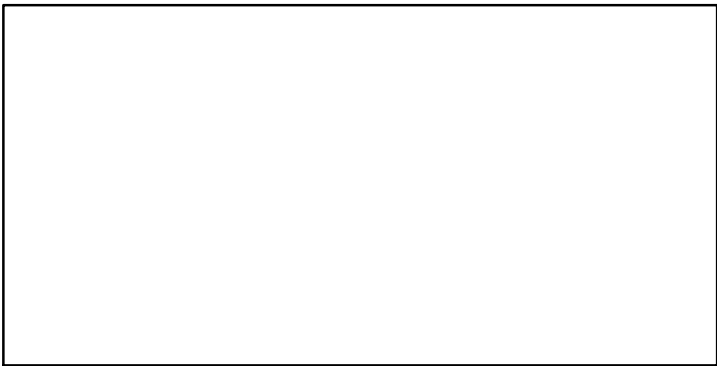


Production*

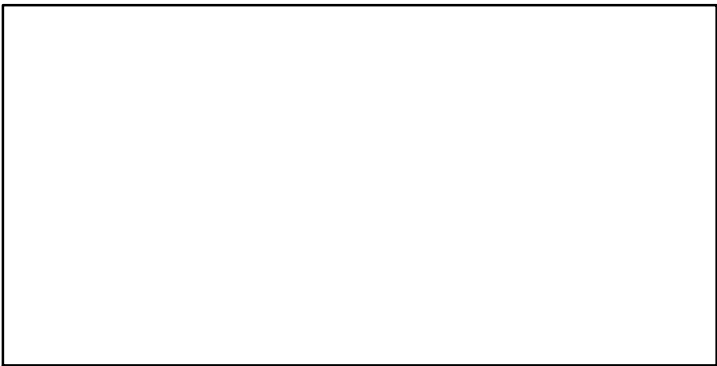


◆ Start Year ◆ End Year * No Data

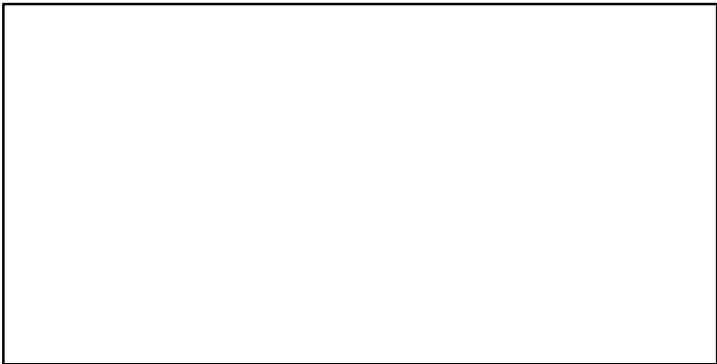
TB*



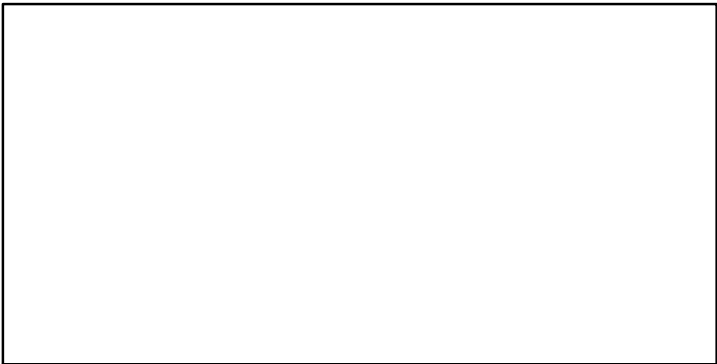
SSB*



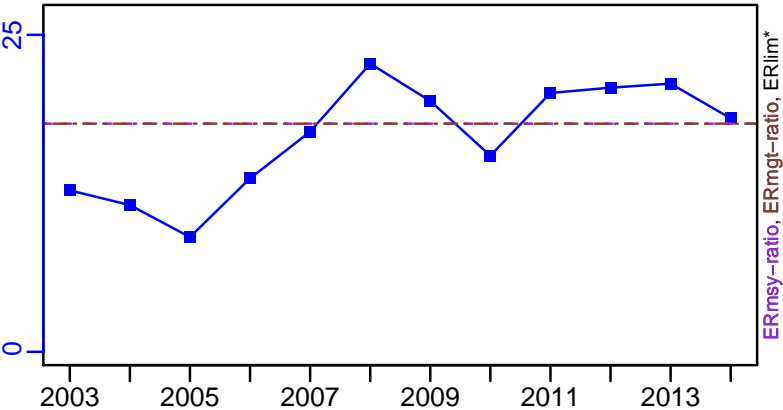
TN *



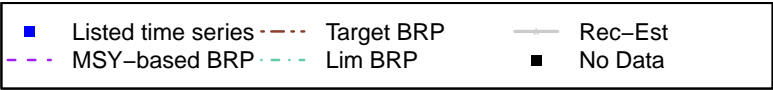
F*



ER-ratio (1960–2015–ICESIMP2016)

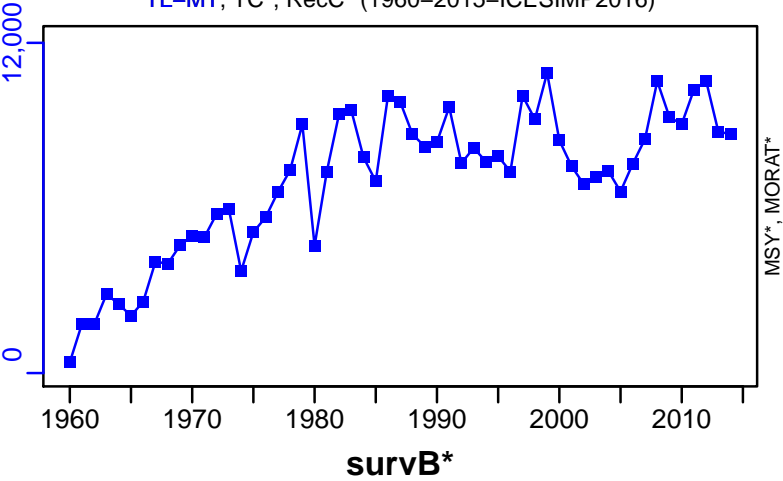


Recruits*



Norway lobster Irish Sea West (FU 15) [NEPHFU15]

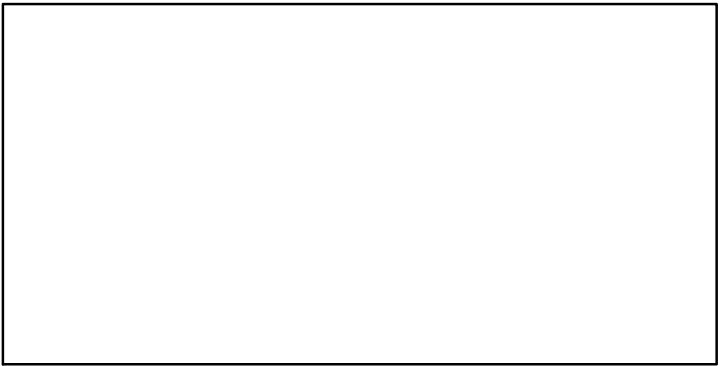
TL-MT, TC*, RecC* (1960-2015-ICESIMP2016)



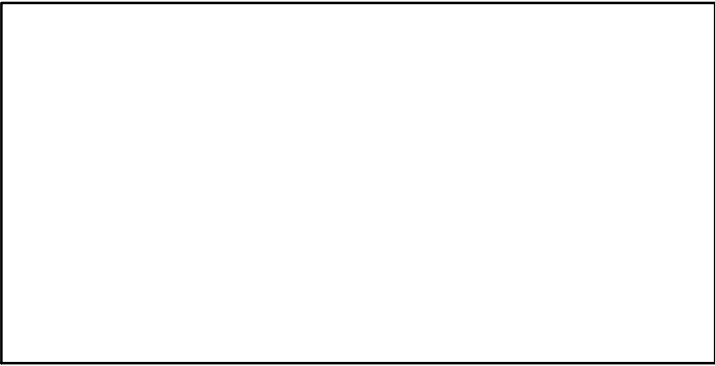
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



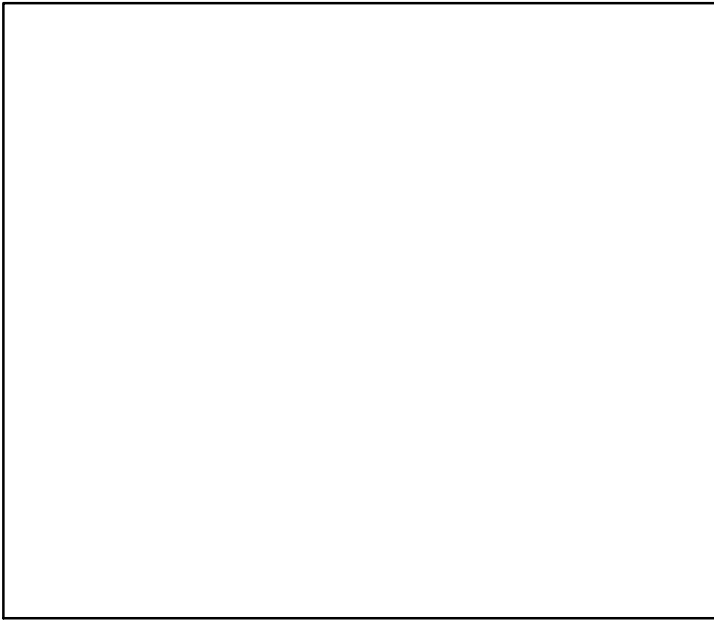
Norway lobster Porcupine Bank (FU 16) [NEPHFU16]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGCSE-NEPHFU16-1981-2015-ICESIMP2016
Area	Porcupine Bank (FU 16)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015

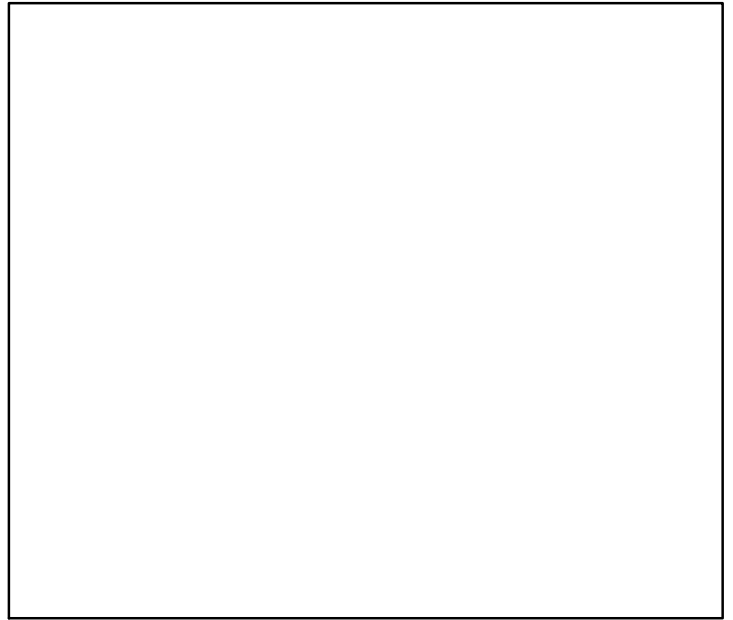
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	1190		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

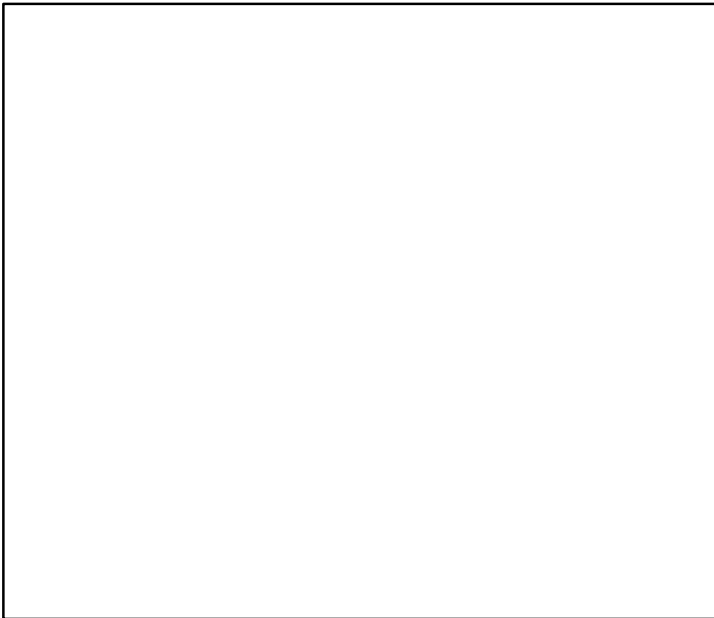
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*



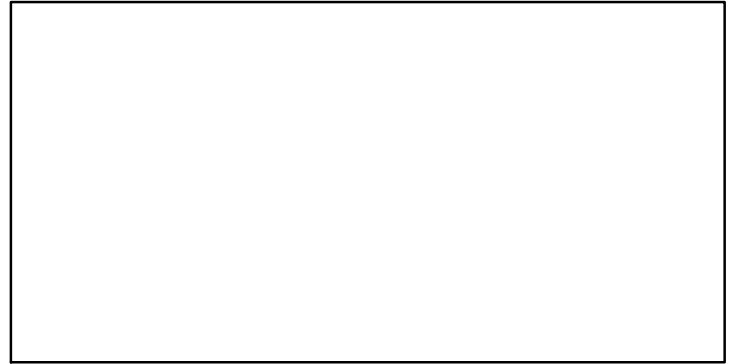
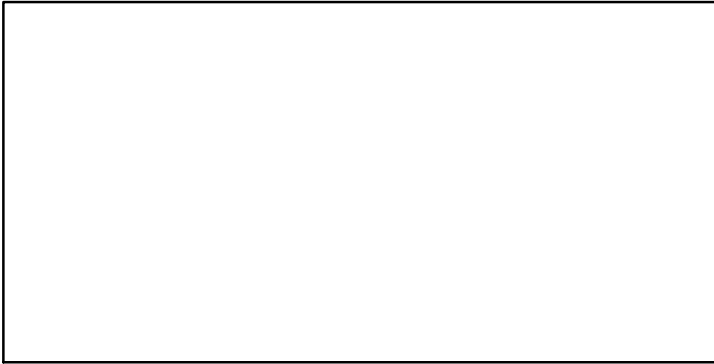
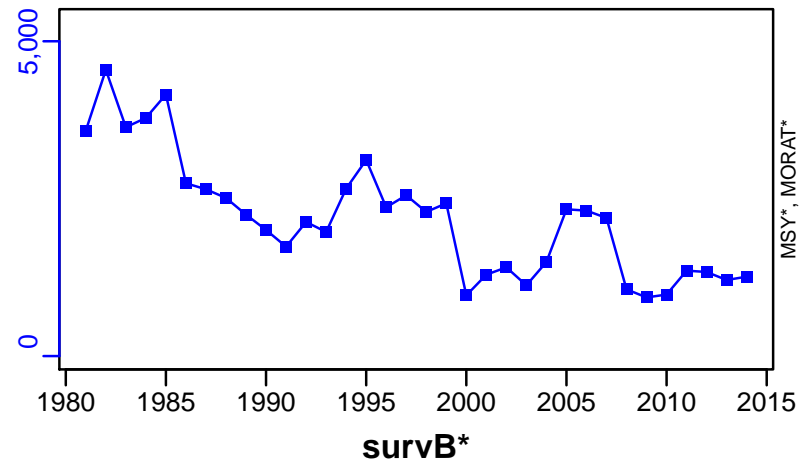
Recruits*



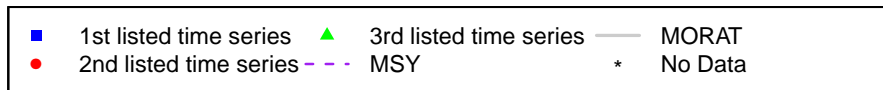
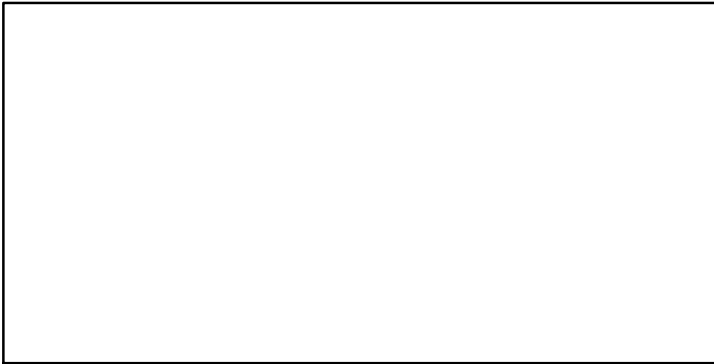
Norway lobster Porcupine Bank (FU 16) [NEPHFU16]

TL-MT, TC*, RecC* (1981-2015-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



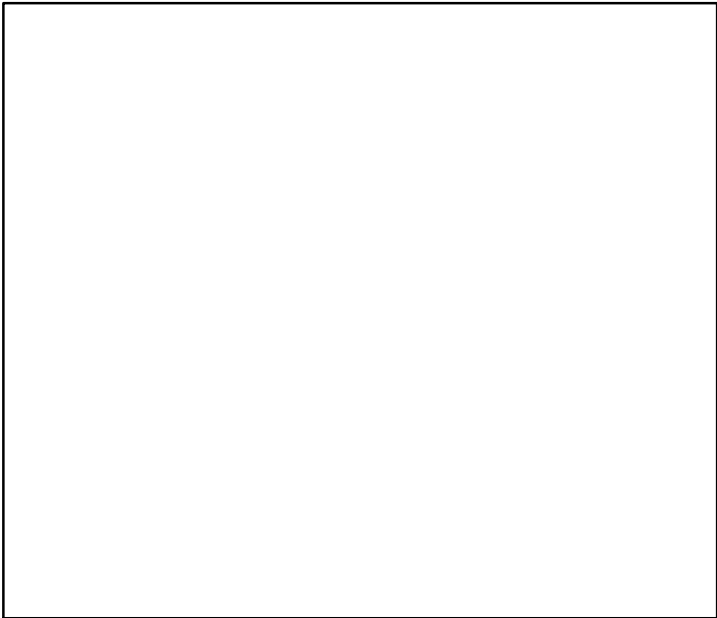
Norway lobster Aran Grounds (FU 17) [NEPHFU17]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGCSE-NEPHFU17-1974-2015-ICESIMP2016
Area	Aran Grounds (FU 17)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015

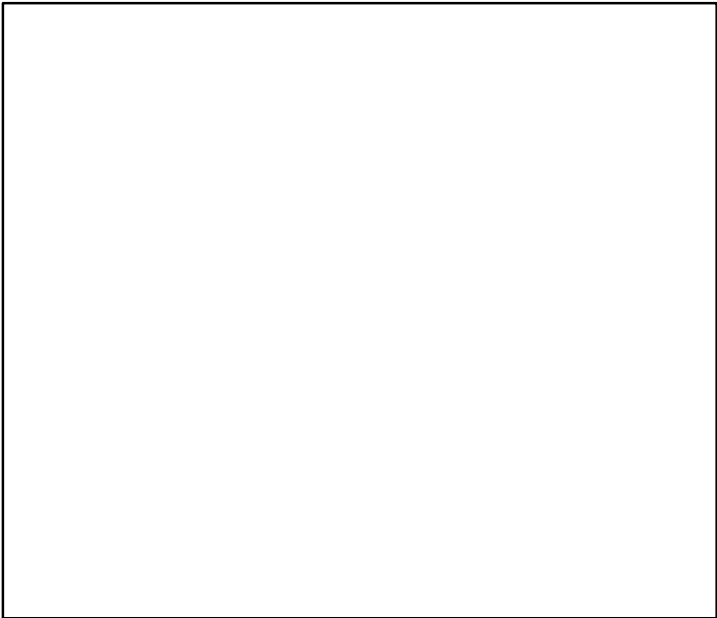
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2015	12.5
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2015	12.5
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2015	9.83	-	-
TC	-	-	-		
TL	TL-MT	2015	766		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2015	0.787		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

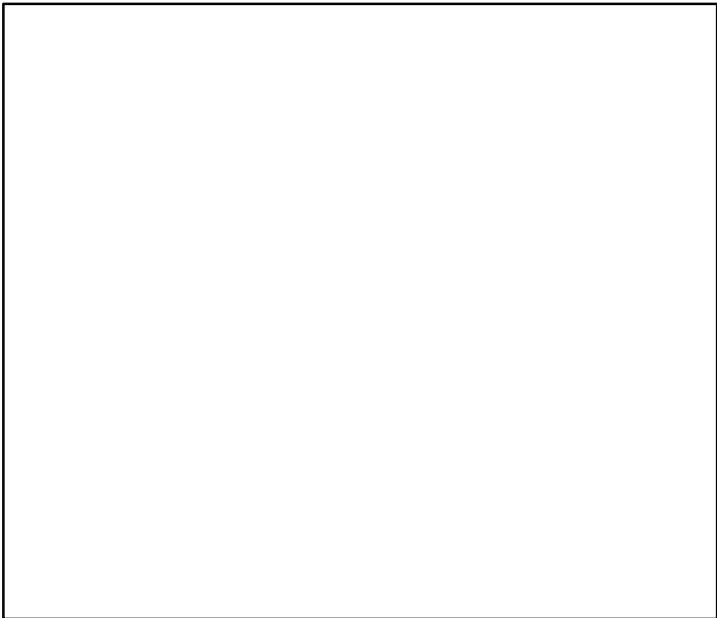
Kobe MSY*



Kobe MGT*



Spawner Recruit*



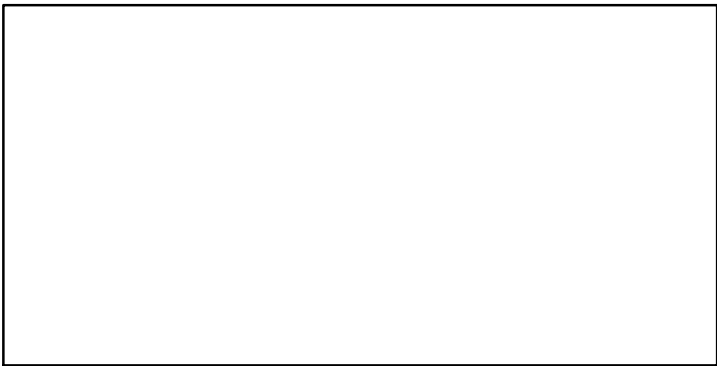
Production*



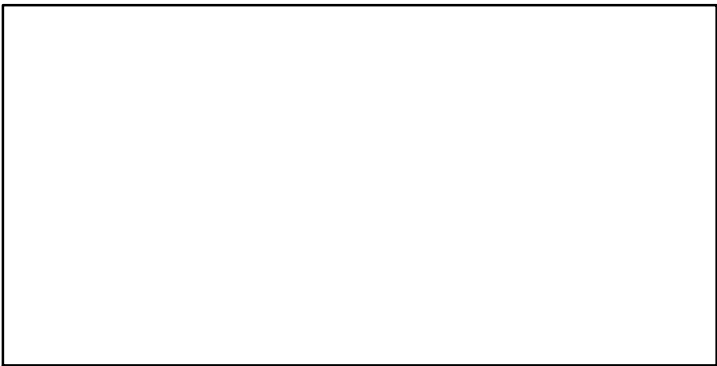
◆ Start Year ◆ End Year * No Data

Norway lobster Aran Grounds (FU 17) [NEPHFU17]

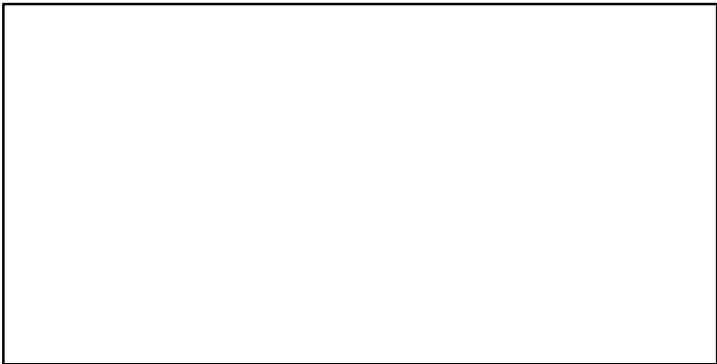
TB*



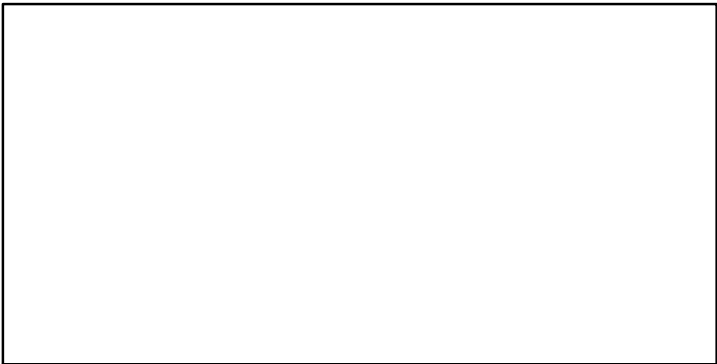
SSB*



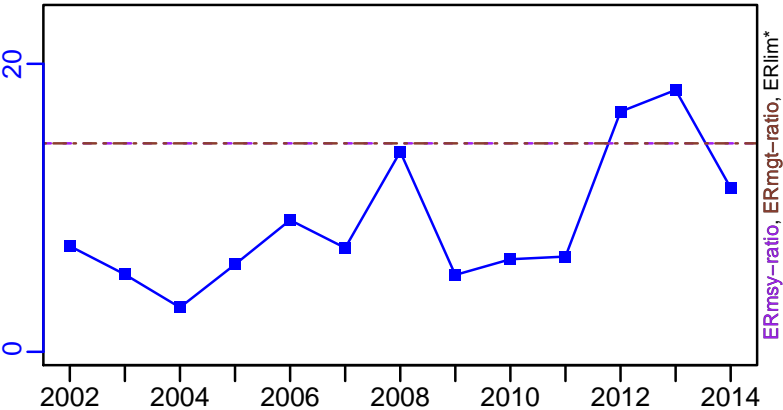
TN *



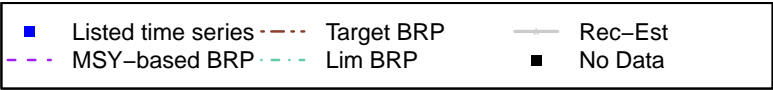
F*



ER-ratio (1974–2015–ICESIMP2016)

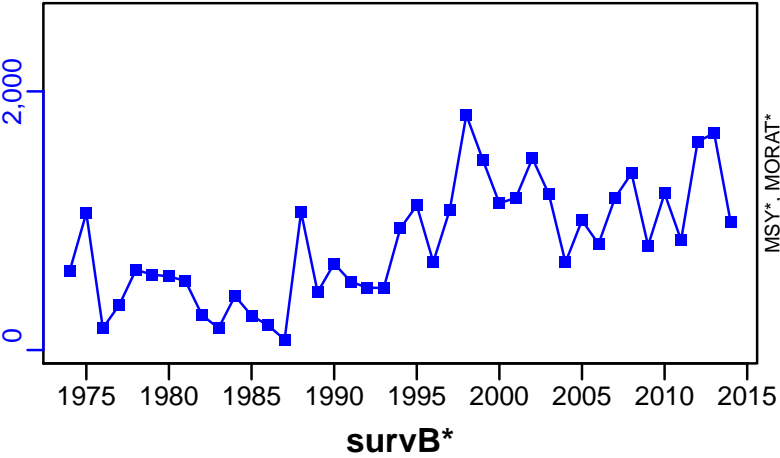


Recruits*

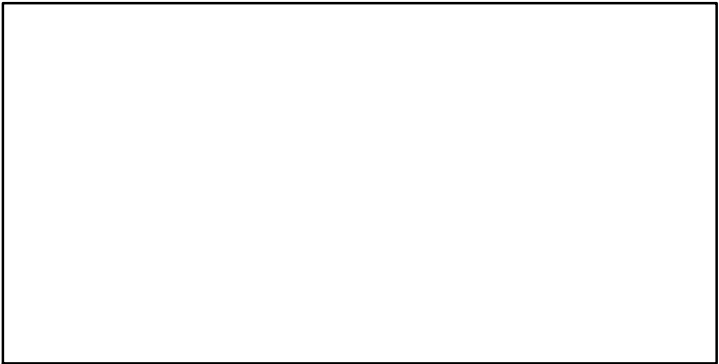


Norway lobster Aran Grounds (FU 17) [NEPHFU17]

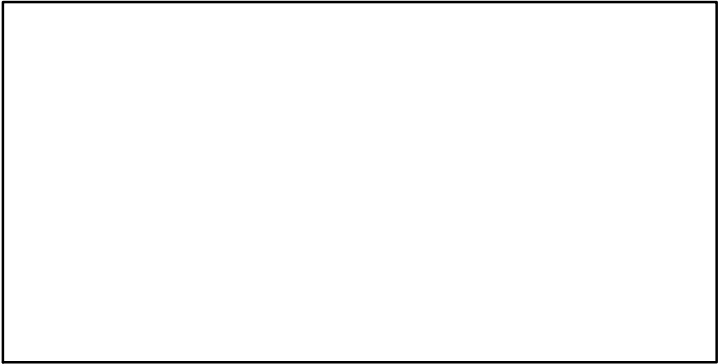
TL-MT, TC*, RecC* (1974-2015-ICESIMP2016)



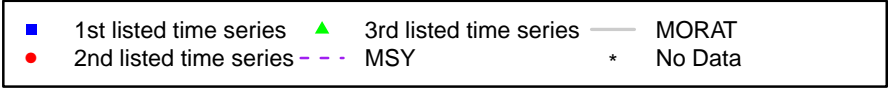
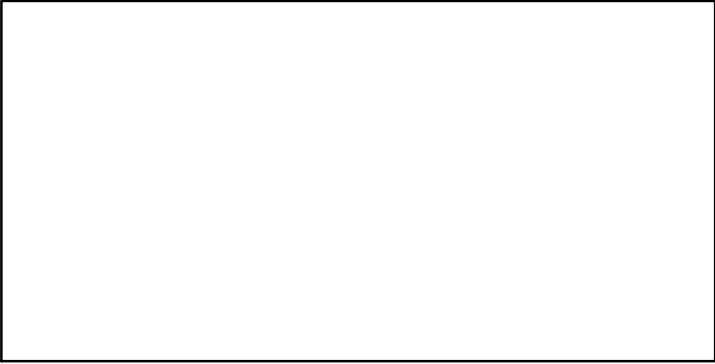
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



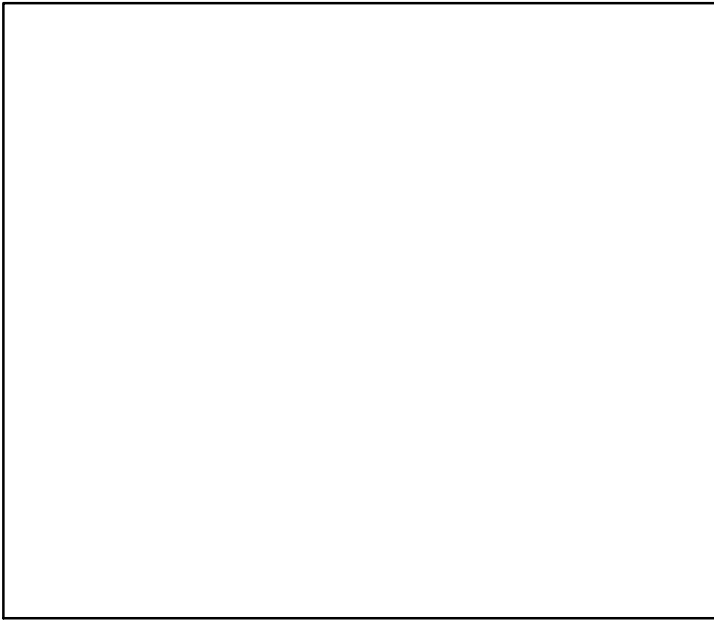
Norway lobster South East and West of IRL (FU 19) [NEPHFU19]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGCSE-NEPHFU19-2006-2015-ICESIMP2016
Area	South East and West of IRL (FU 19)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015

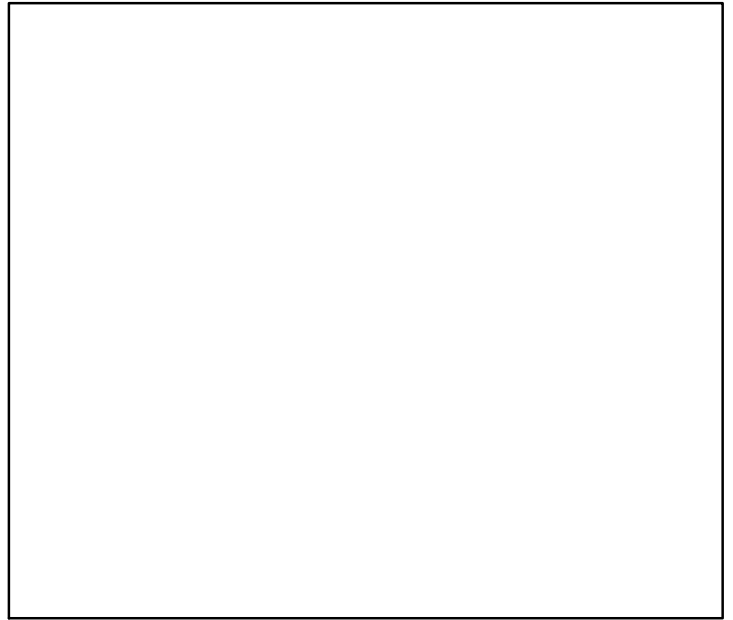
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	468		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

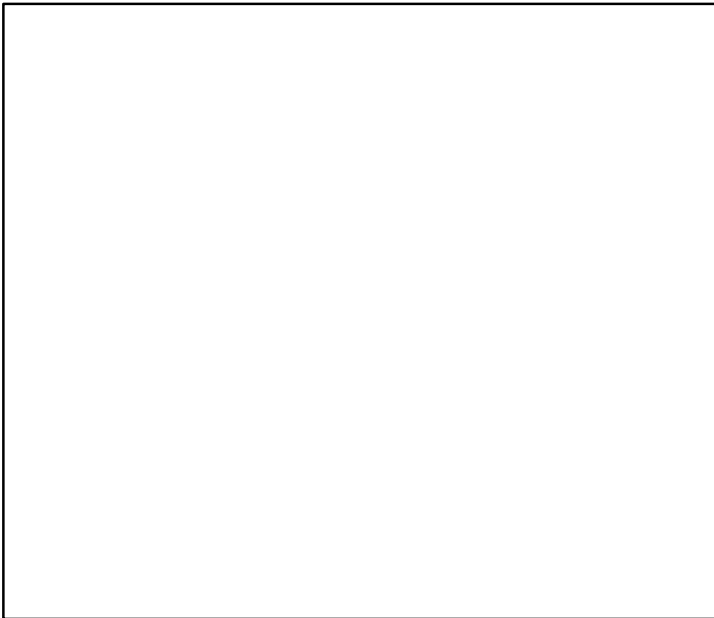
Kobe MSY*



Kobe MGT*



Spawner Recruit*



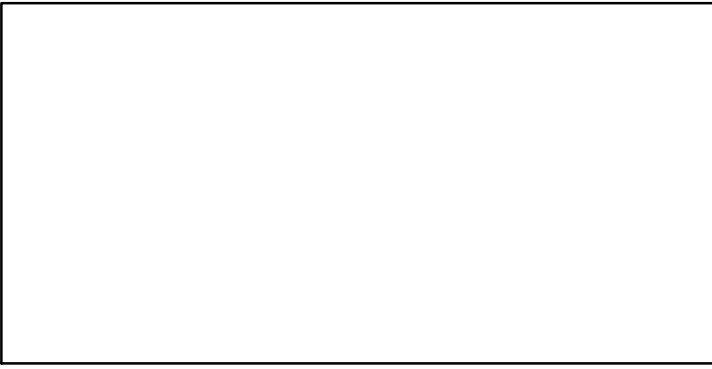
Production*



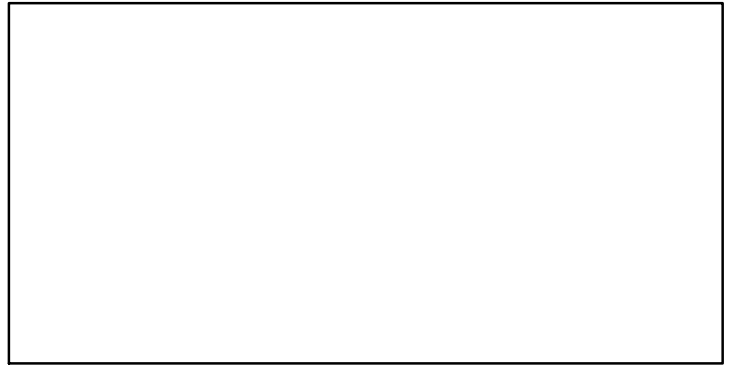
◆ Start Year ◆ End Year * No Data

Norway lobster South East and West of IRL (FU 19) [NEPHFU19]

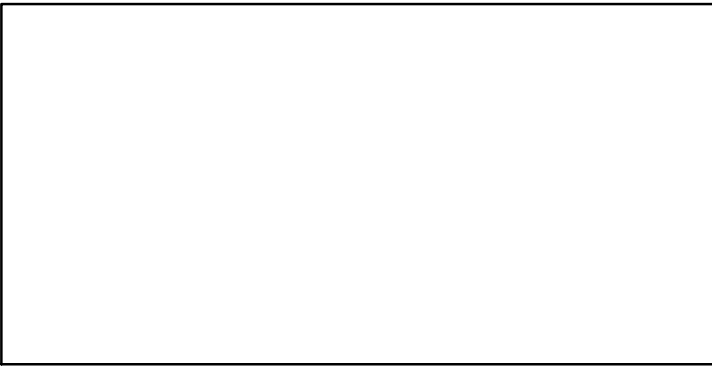
TB*



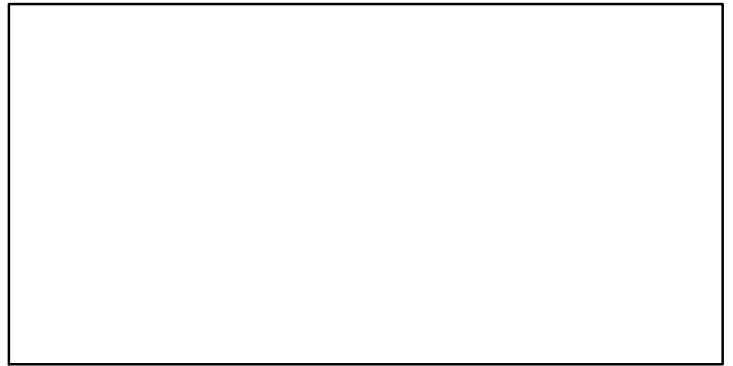
SSB*



TN *



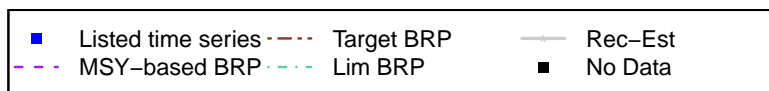
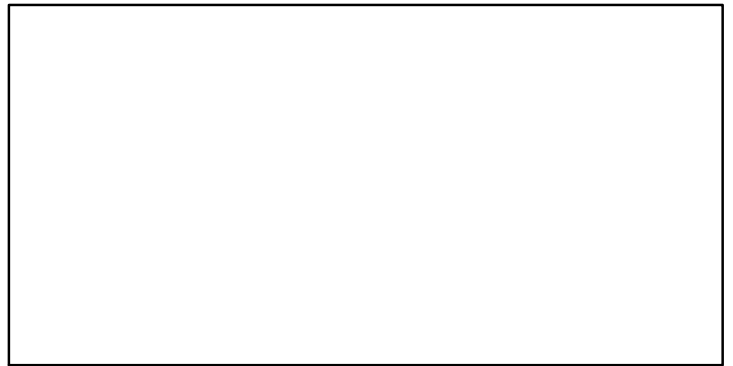
F*



ER*



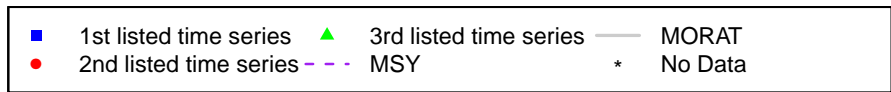
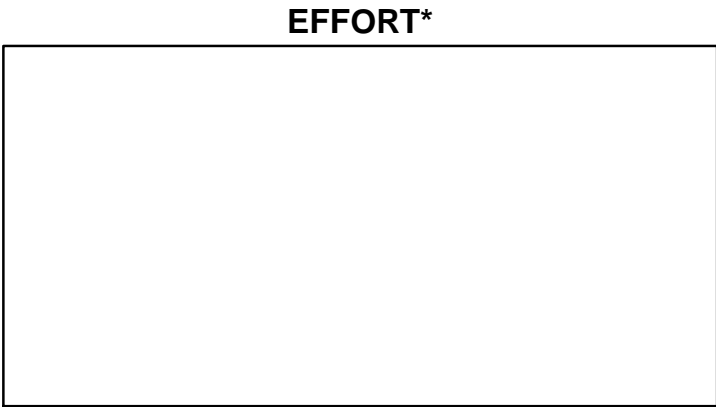
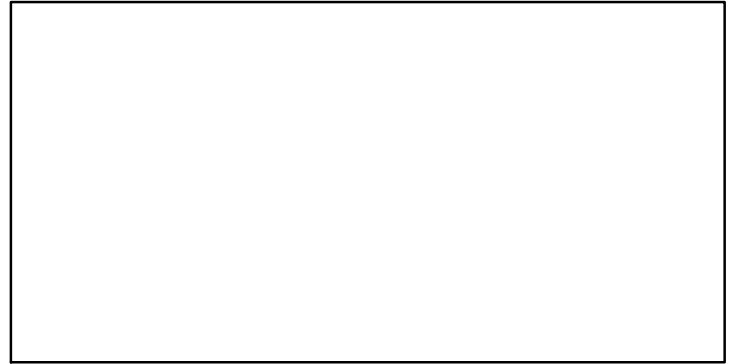
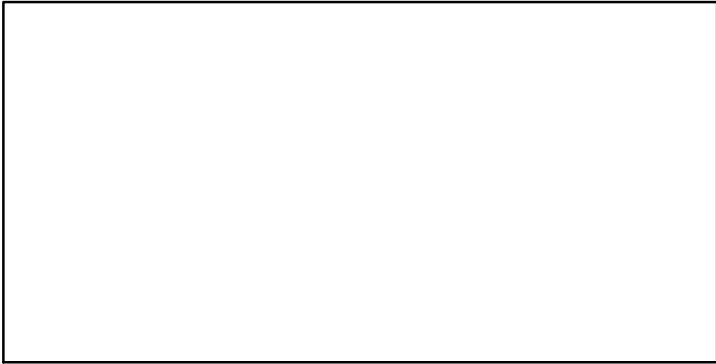
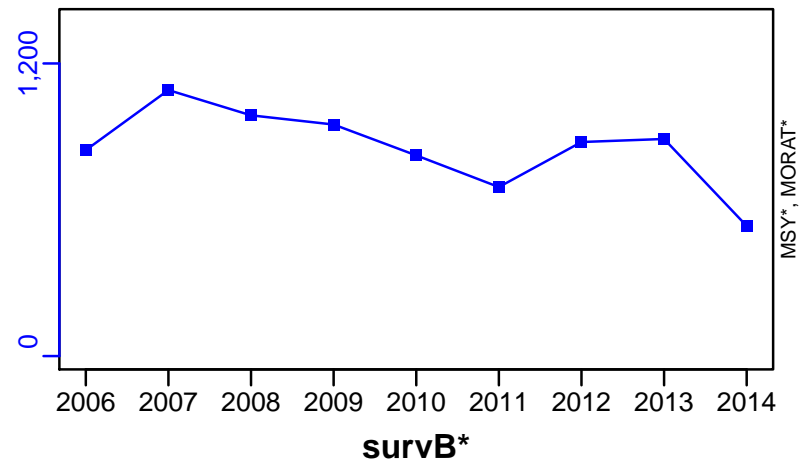
Recruits*



Norway lobster South East and West of IRL (FU 19) [NEPHFU19]

TL-MT, TC*, RecC* (2006–2015–ICESIMP2016)

TAC*, Cpair*, Cadv*



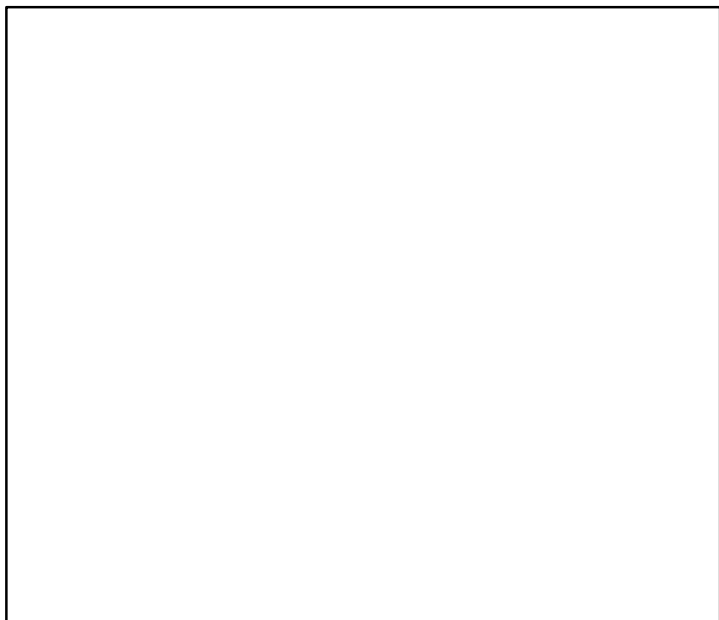
Norway lobster Labadie, Jones and Cockburn (FU 20-21) [NEPHFU2021]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGCSE-NEPHFU2021-1995-2015-ICESIMP2016
Area	Labadie, Jones and Cockburn (FU 20-21)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015

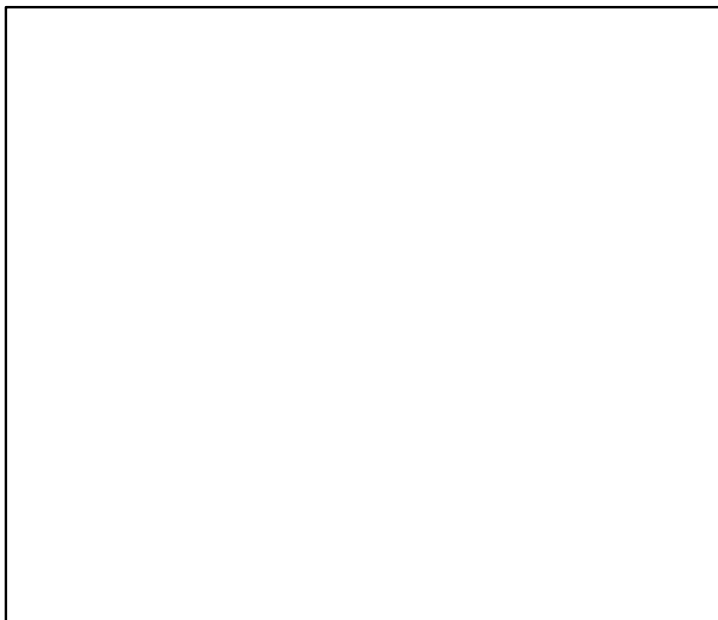
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	1840		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

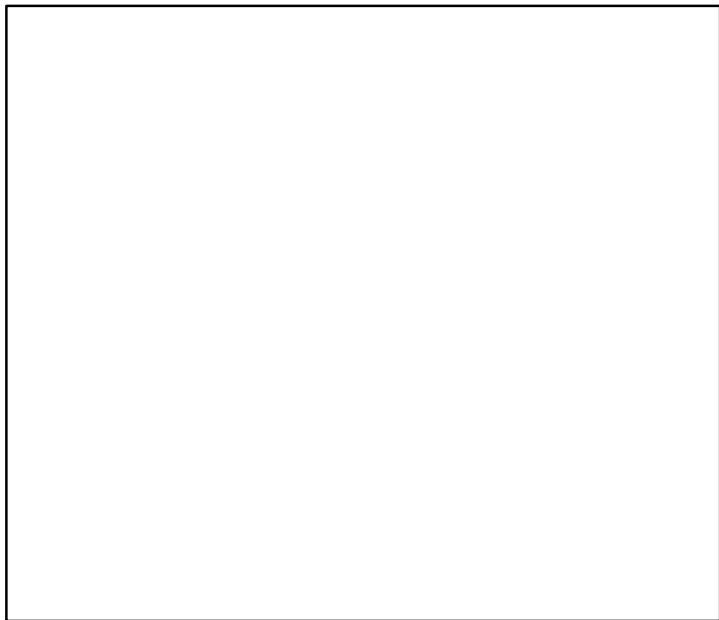
Kobe MSY*



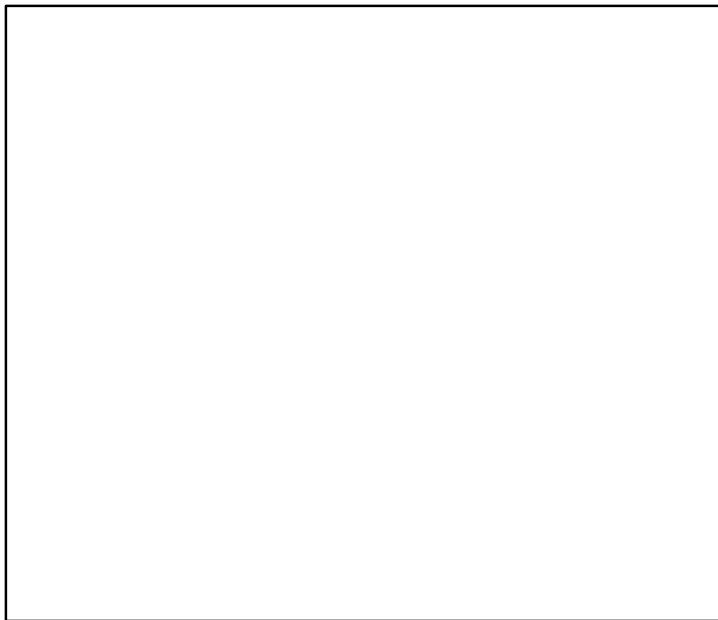
Kobe MGT*



Spawner Recruit*

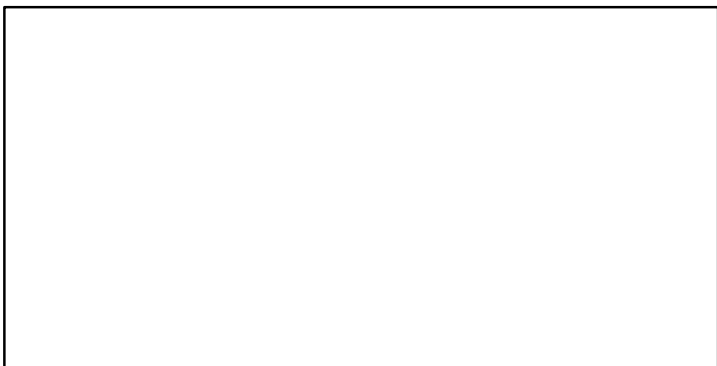


Production*

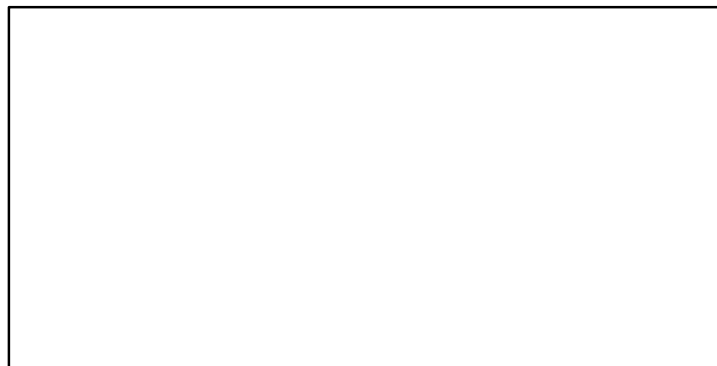


◆ Start Year ◆ End Year * No Data

TB*



SSB*



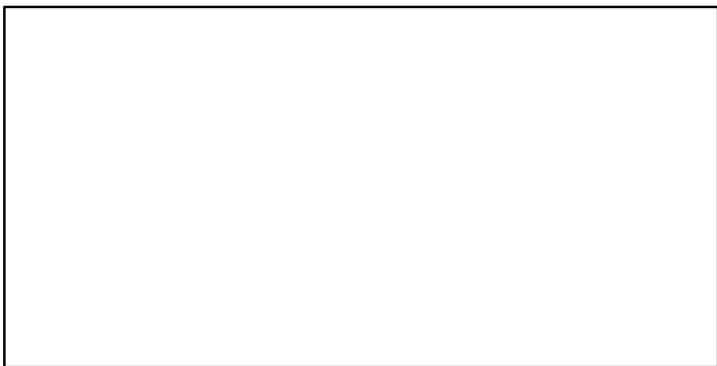
TN *



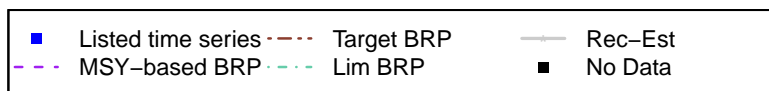
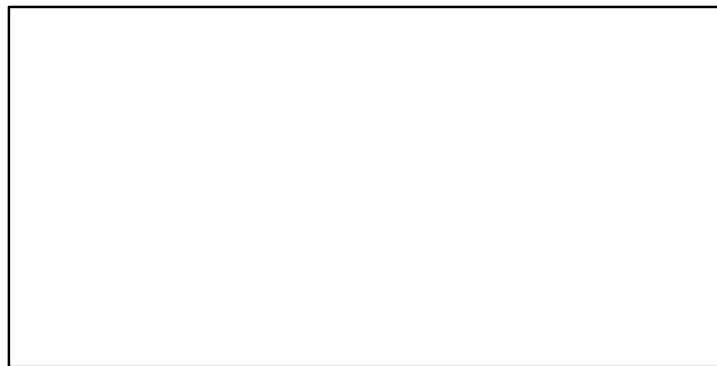
F*



ER*



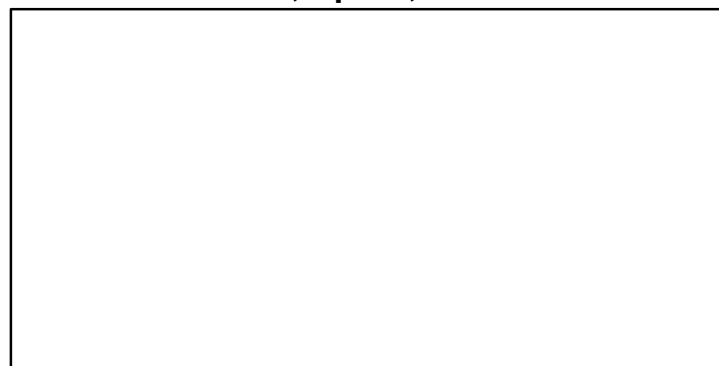
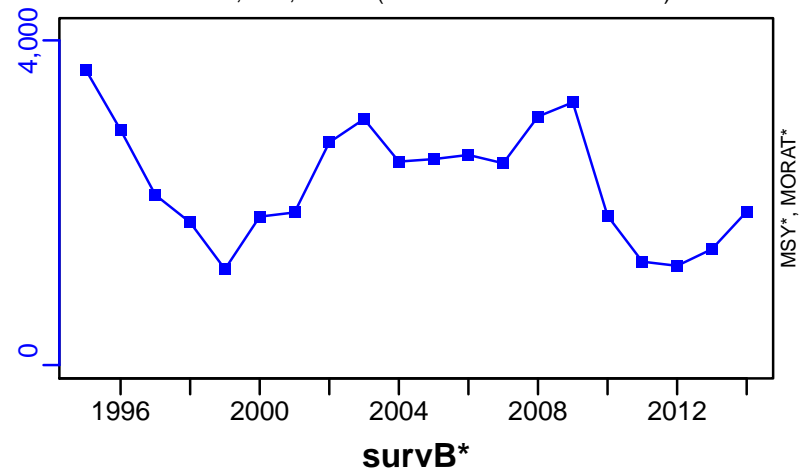
Recruits*



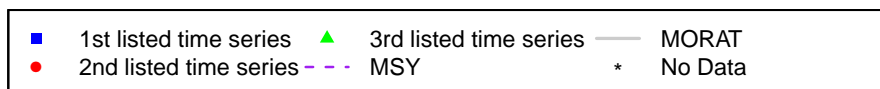
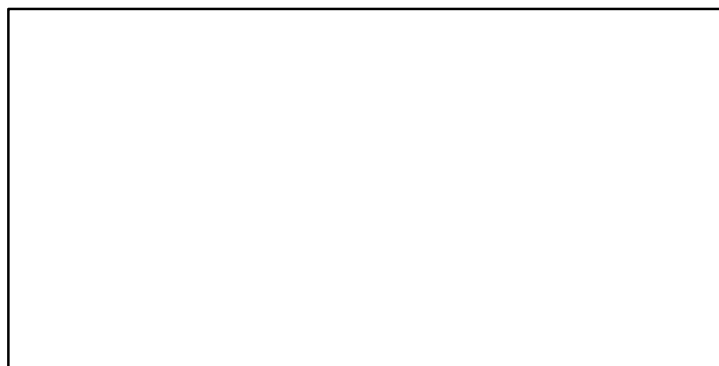
Norway lobster Labadie, Jones and Cockburn (FU 20–21) [NEPHFU2021]

TL–MT, TC*, RecC* (1995–2015–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



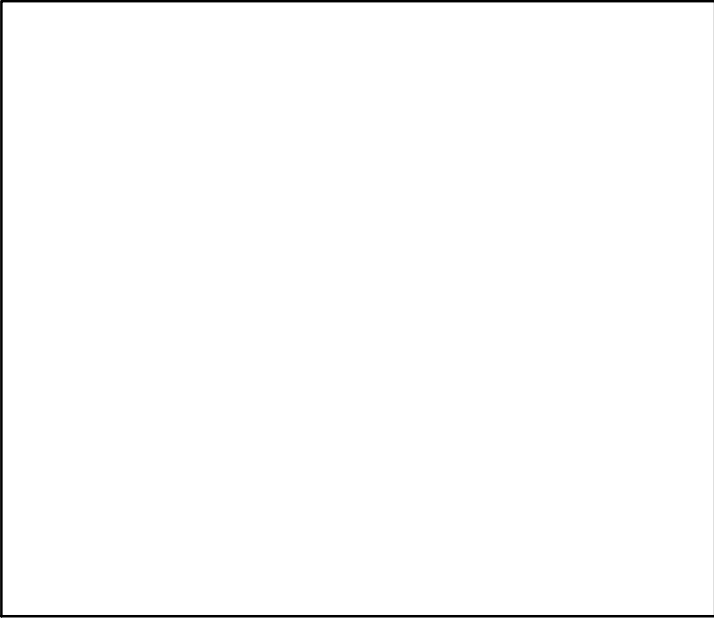
Norway lobster Smalls (FU 22) [NEPHFU22]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGCSE-NEPHFU22-1999-2015-ICESIMP2016
Area	Smalls (FU 22)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015

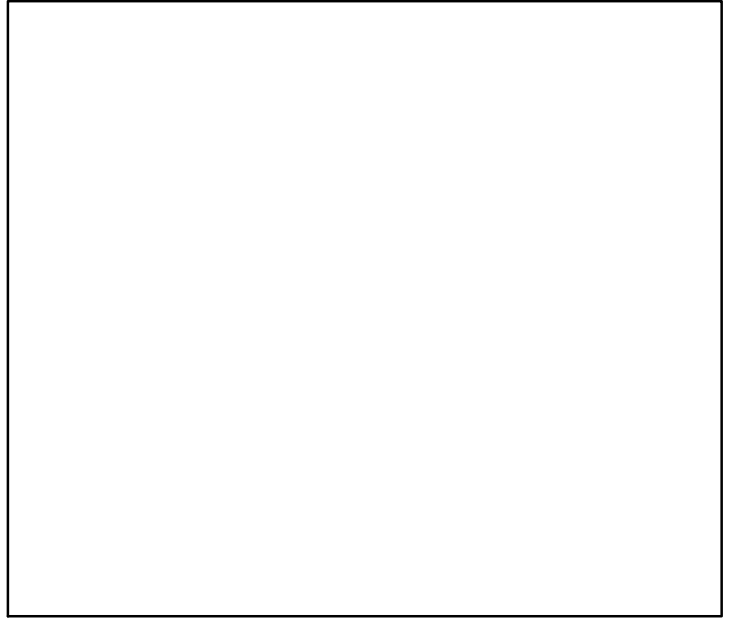
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2015	10.9
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2015	10.9
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2015	7.85	-	-
TC	-	-	-		
TL	TL-MT	2015	2610		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2015	0.72		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

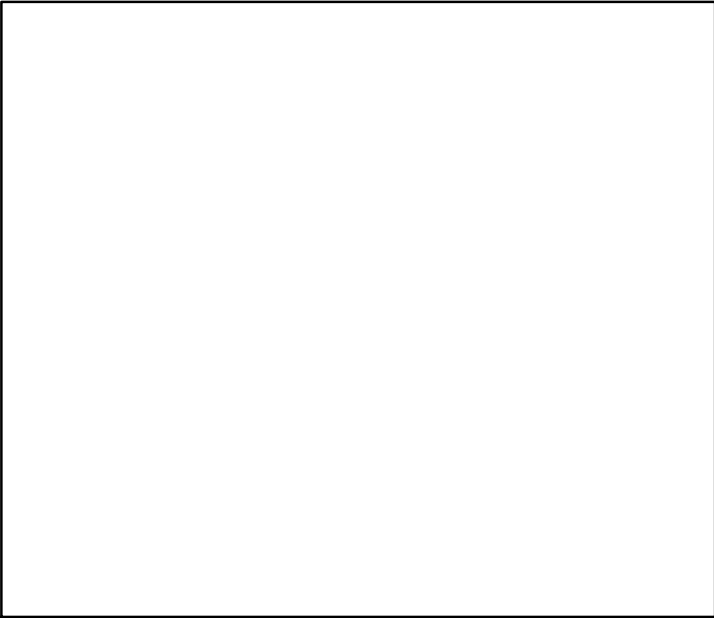
Kobe MSY*



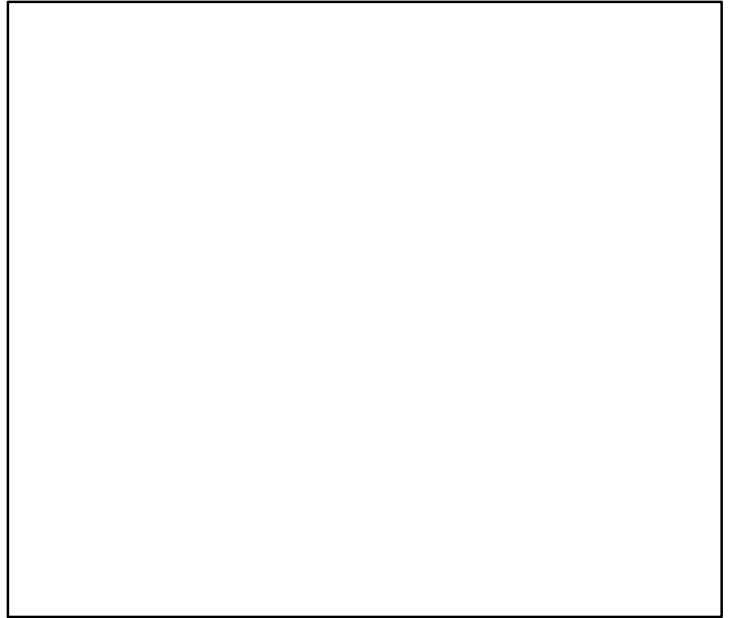
Kobe MGT*



Spawner Recruit*



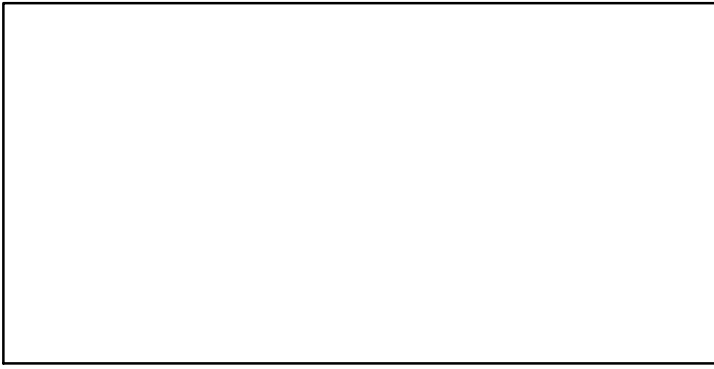
Production*



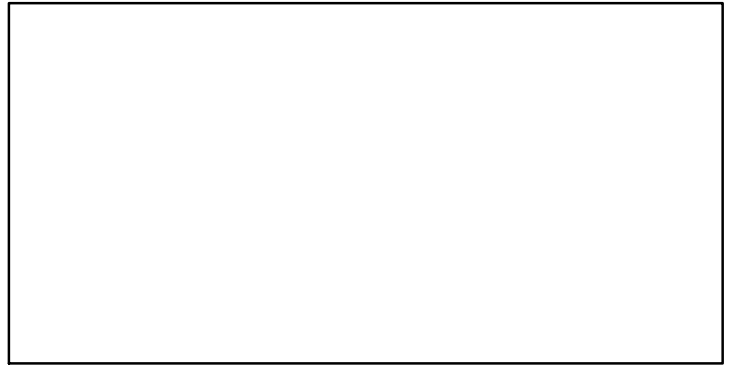
◆ Start Year ◆ End Year * No Data

Norway lobster Smalls (FU 22) [NEPHFU22]

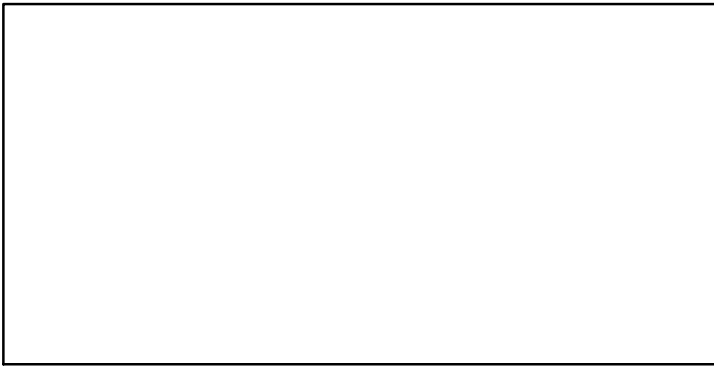
TB*



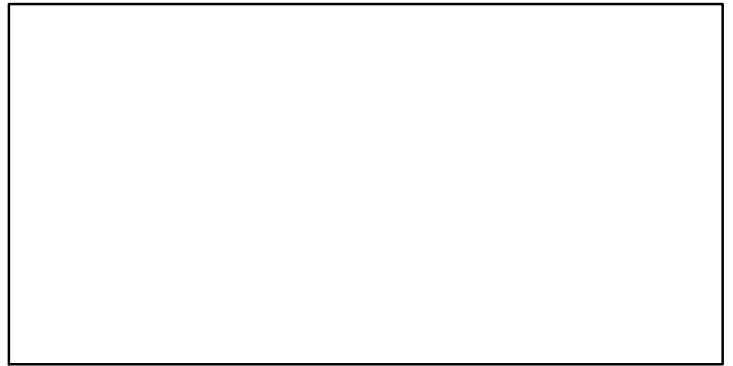
SSB*



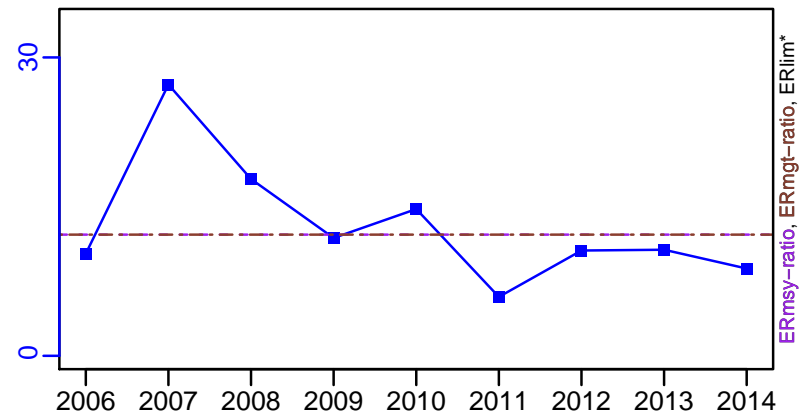
TN *



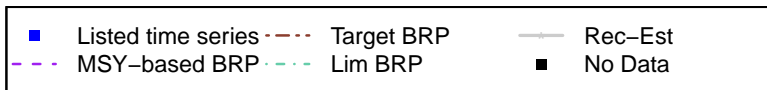
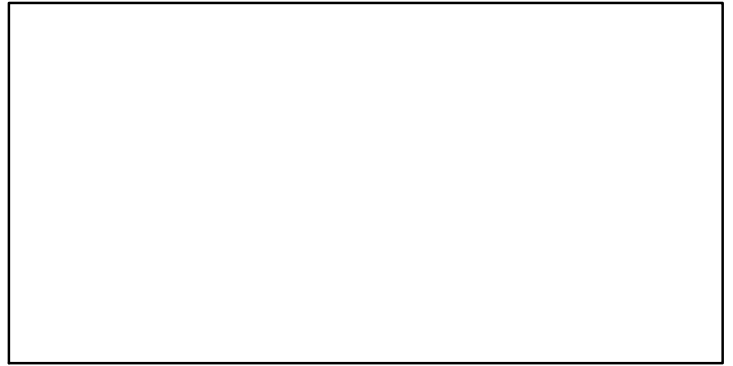
F*



ER-ratio (1999–2015–ICESIMP2016)



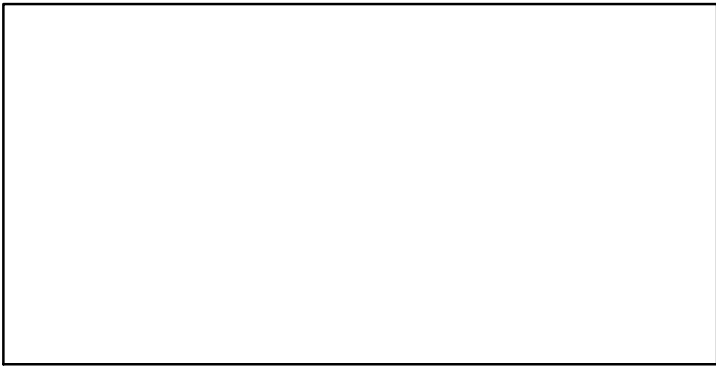
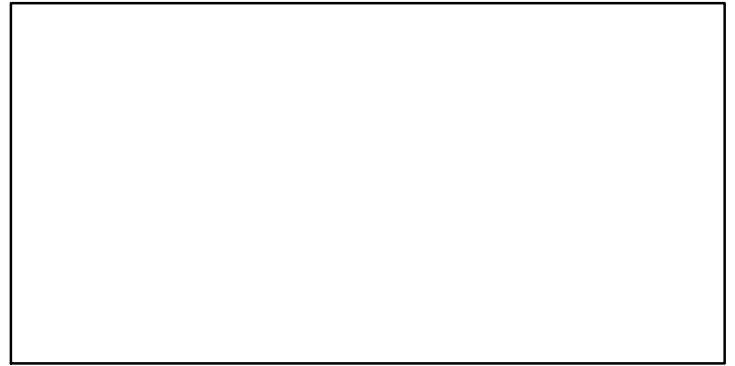
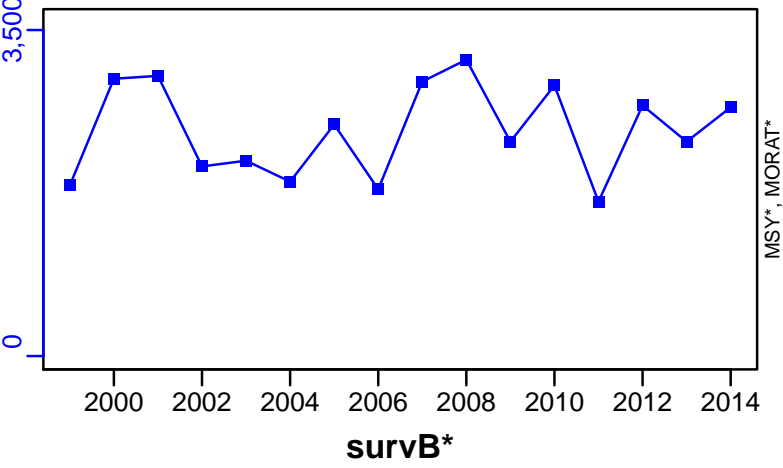
Recruits*



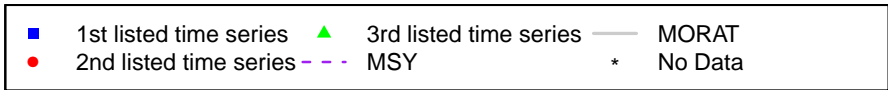
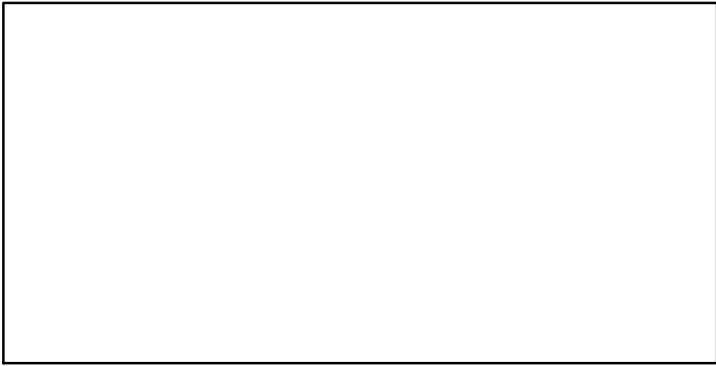
Norway lobster Smalls (FU 22) [NEPHFU22]

TL-MT, TC*, RecC* (1999–2015–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



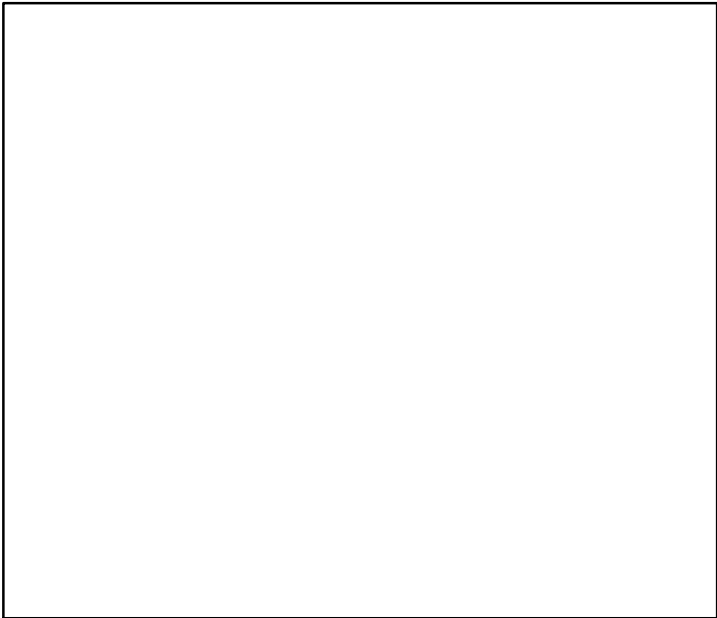
Norway lobster North Galicia (FU 25) [NEPHFU25]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGBIE-NEPHFU25-1975-2016-ICESIMP2016
Area	North Galicia (FU 25)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2016

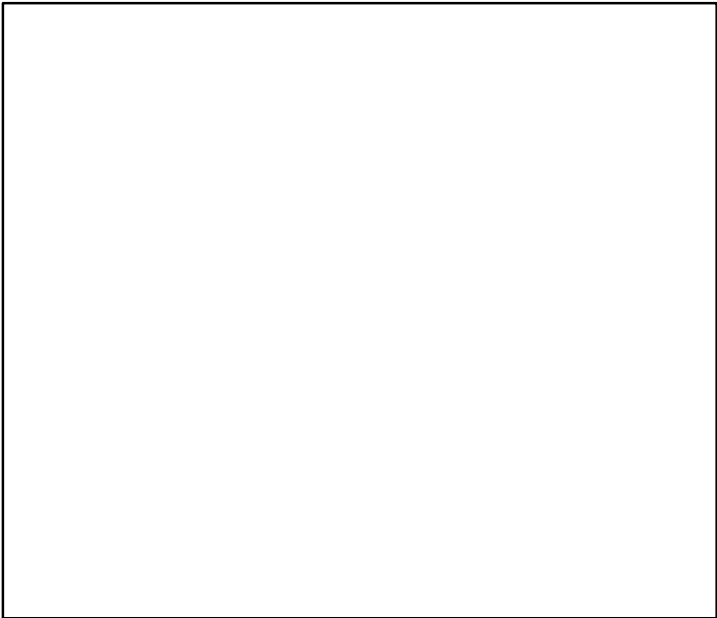
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	14		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

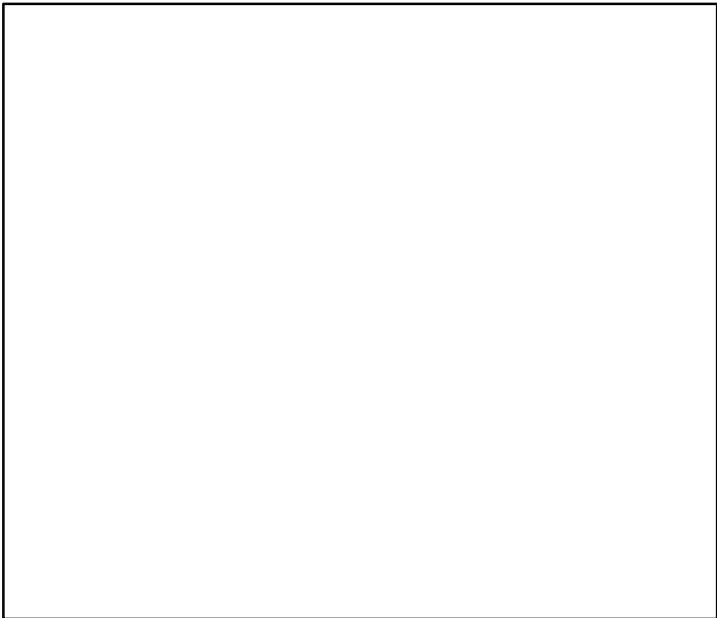
Kobe MSY*



Kobe MGT*



Spawner Recruit*

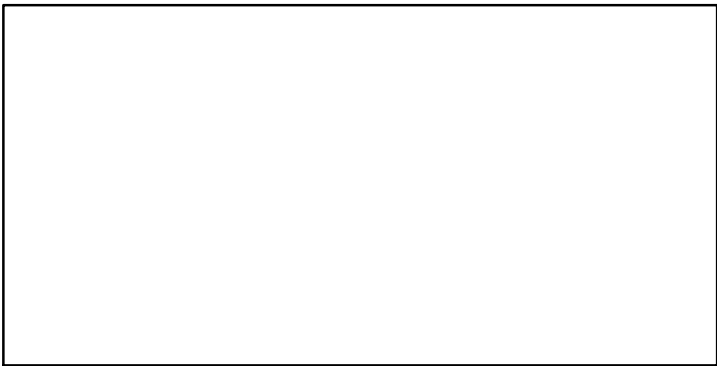


Production*

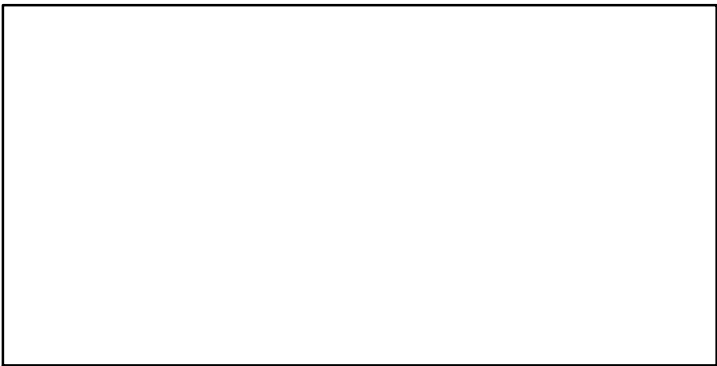


◆ Start Year ◆ End Year * No Data

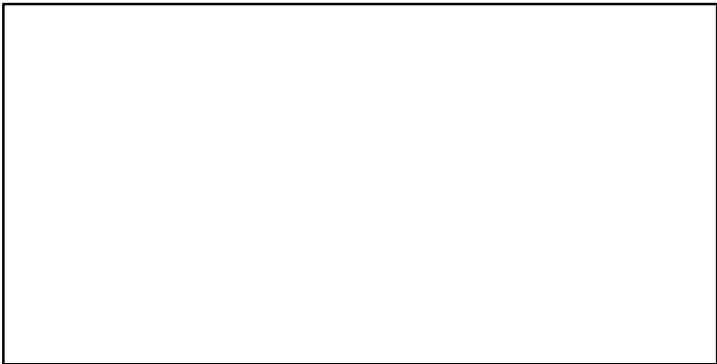
TB*



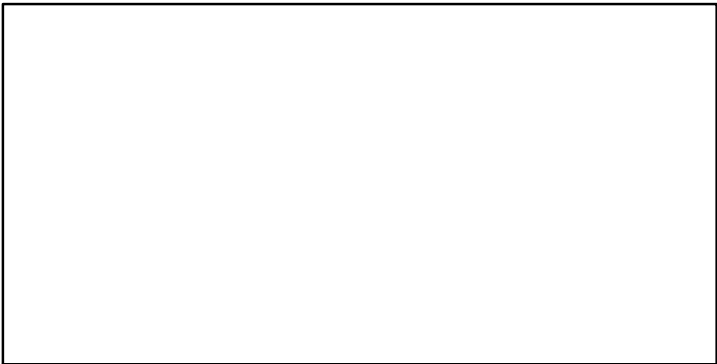
SSB*



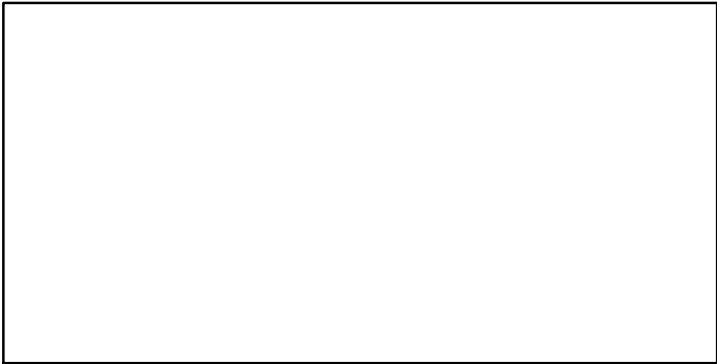
TN *



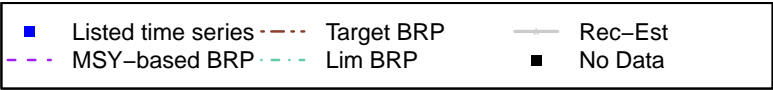
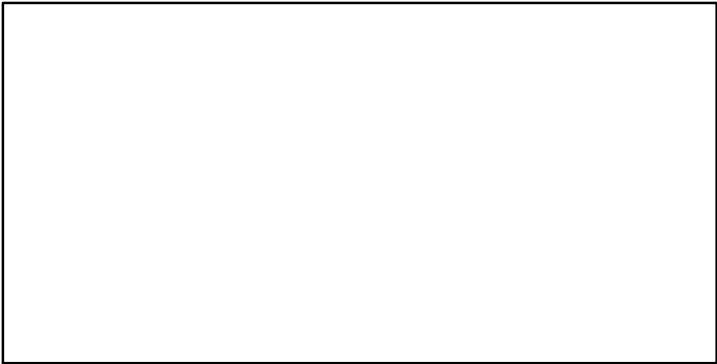
F*



ER*



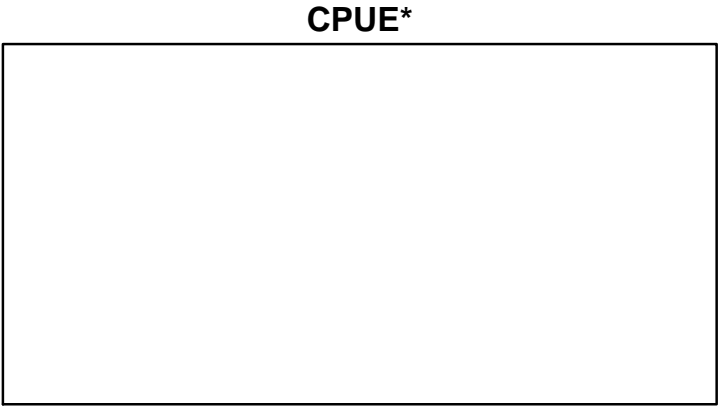
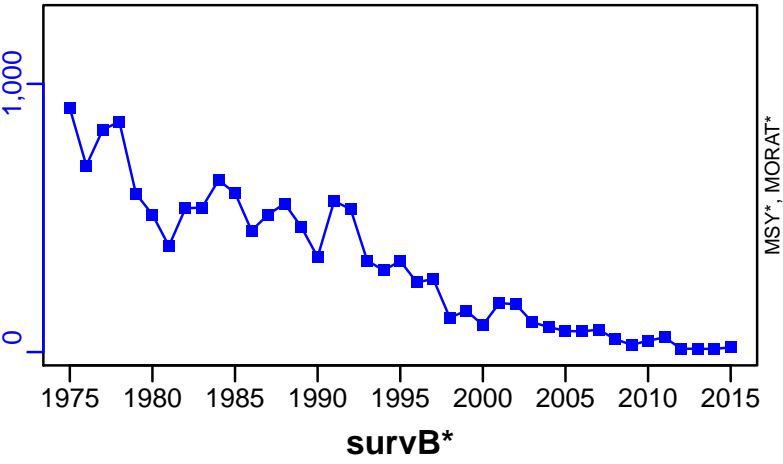
Recruits*



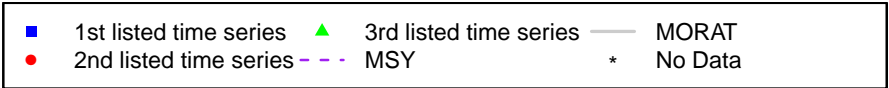
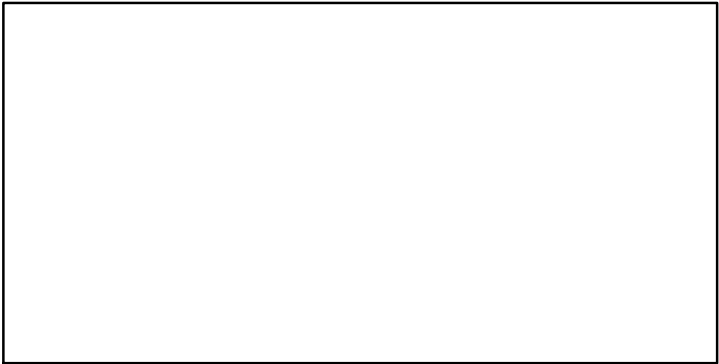
Norway lobster North Galicia (FU 25) [NEPHFU25]

TL-MT, TC*, RecC* (1975–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



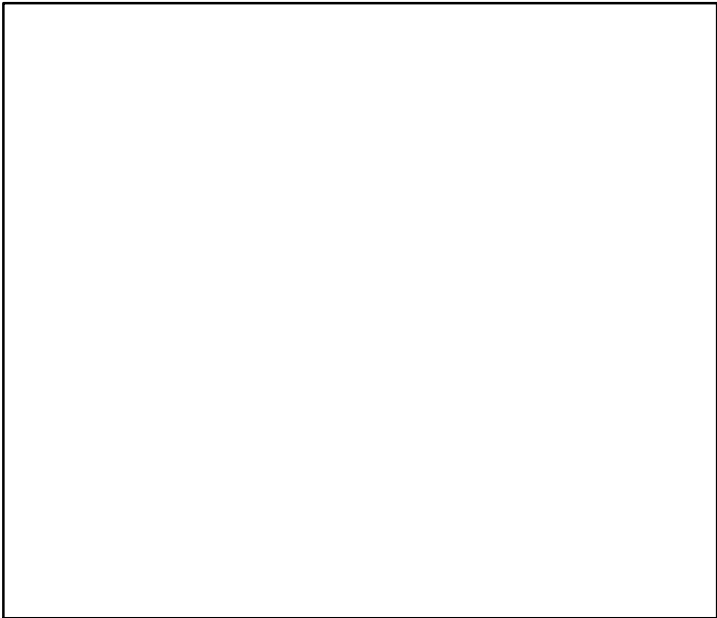
Norway lobster West Galicia and North Portugal (FU 26-27) [NEPHFU2627]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGBIE-NEPHFU2627-1975-2016-ICESIMP2016
Area	West Galicia and North Portugal (FU 26-27)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2016

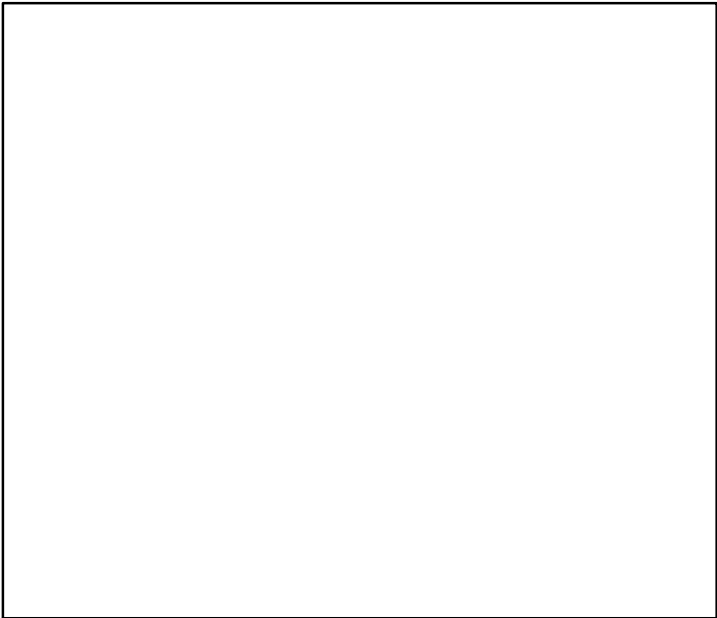
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	1.53		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

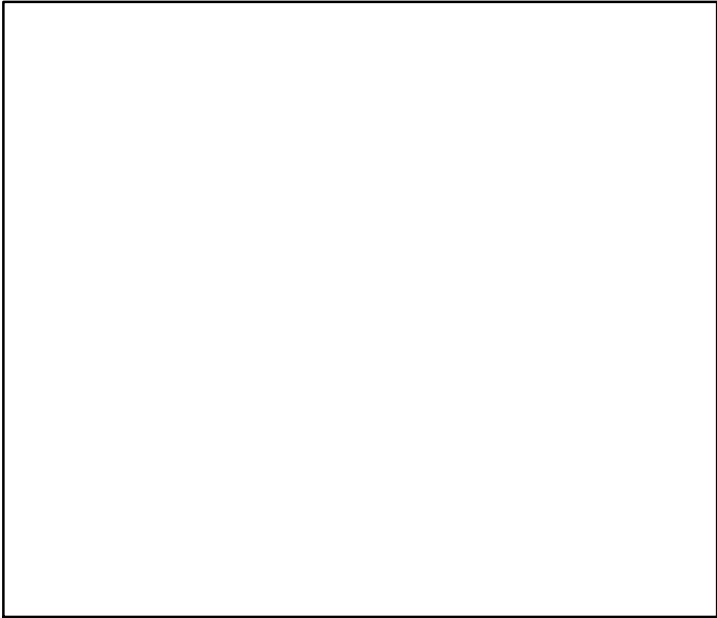
Kobe MSY*



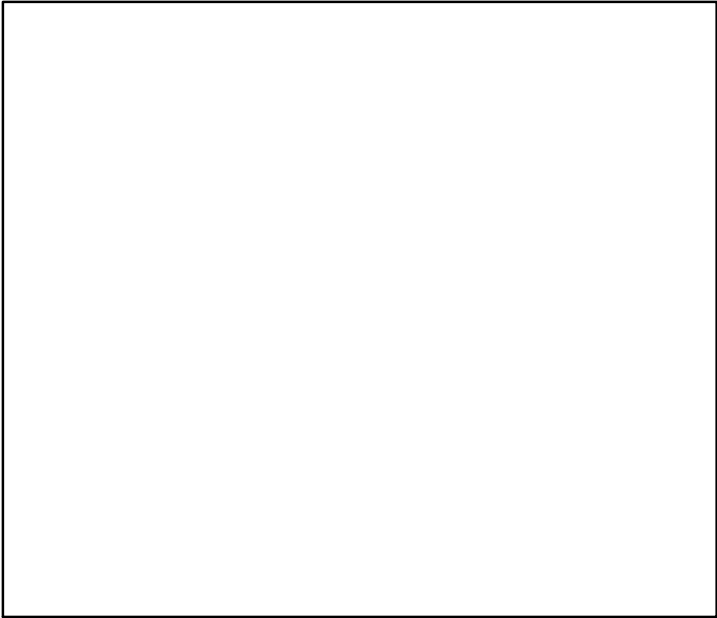
Kobe MGT*



Spawner Recruit*



Production*

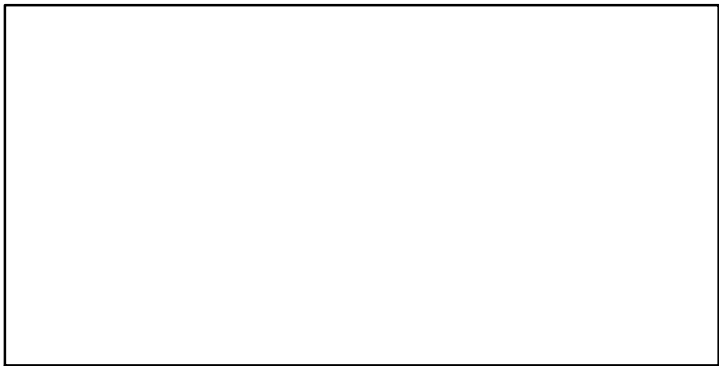


◆ Start Year ◆ End Year * No Data

TB*



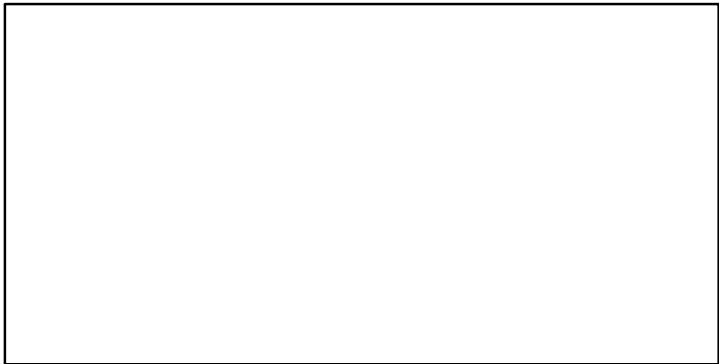
SSB*



TN *



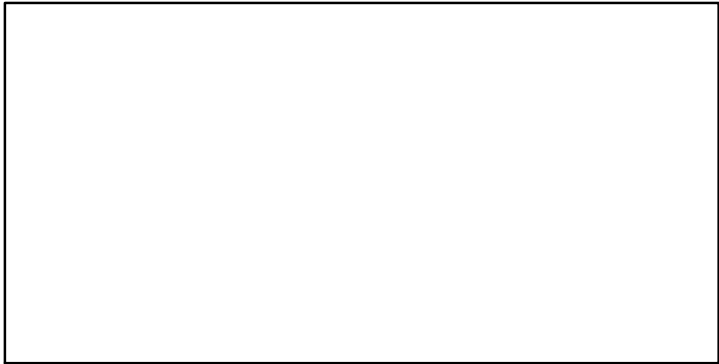
F*



ER*

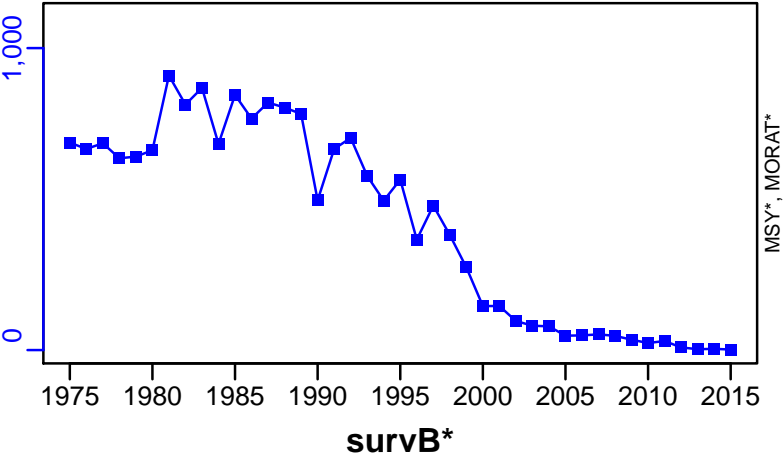


Recruits*

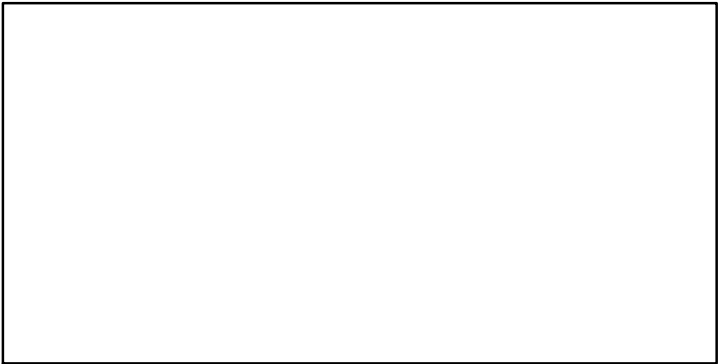


Norway lobster West Galicia and North Portugal (FU 26–27) [NEPHFU2627]

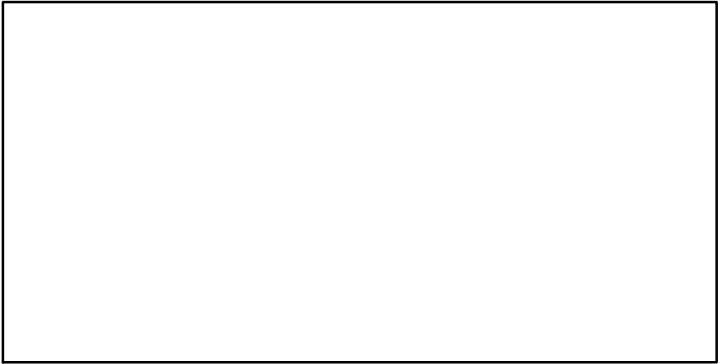
TL–MT, TC*, RecC* (1975–2016–ICESIMP2016)



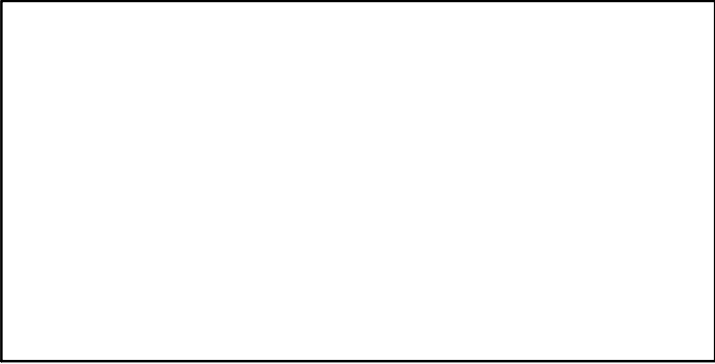
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



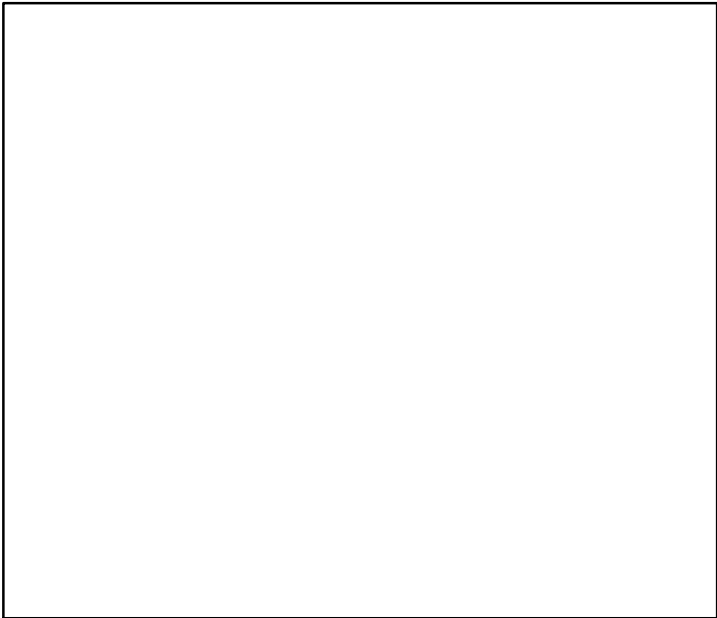
Norway lobster South-West and South Portugal (FU 28-29) [NEPHFU2829]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGBIE-NEPHFU2829-1984-2016-ICESIMP2016
Area	South-West and South Portugal (FU 28-29)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2016

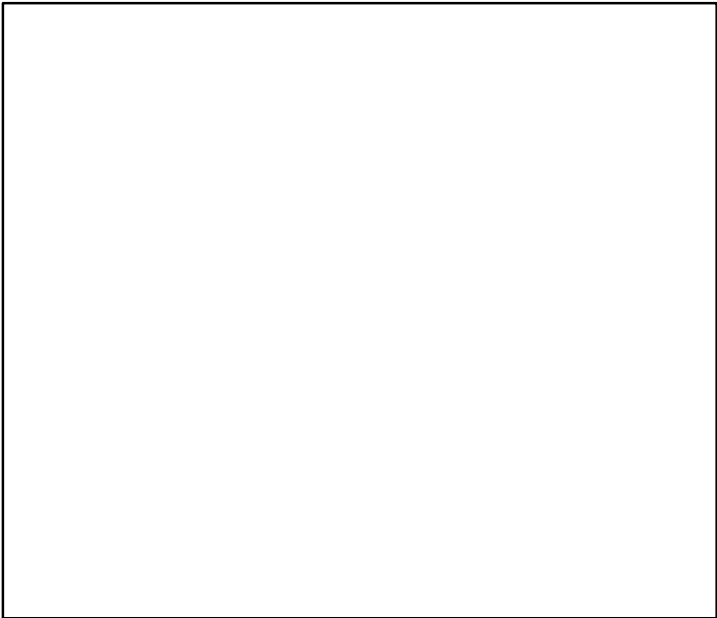
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	235		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

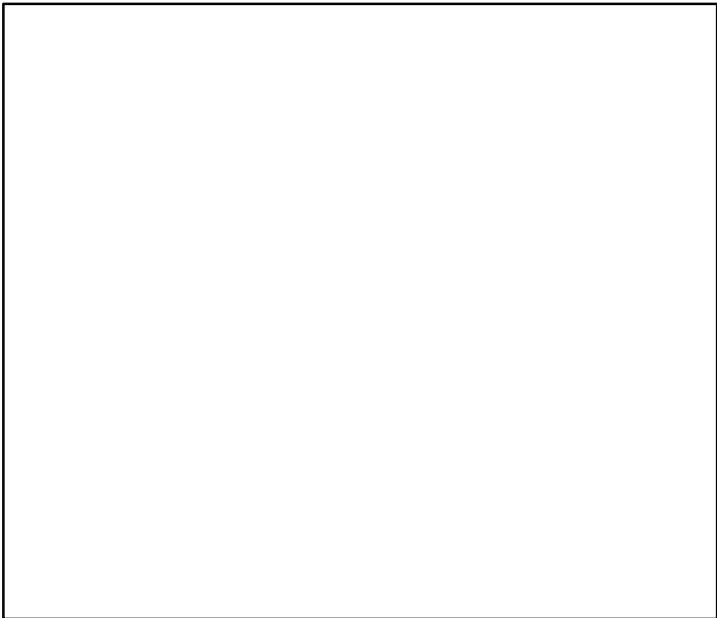
Kobe MSY*



Kobe MGT*



Spawner Recruit*

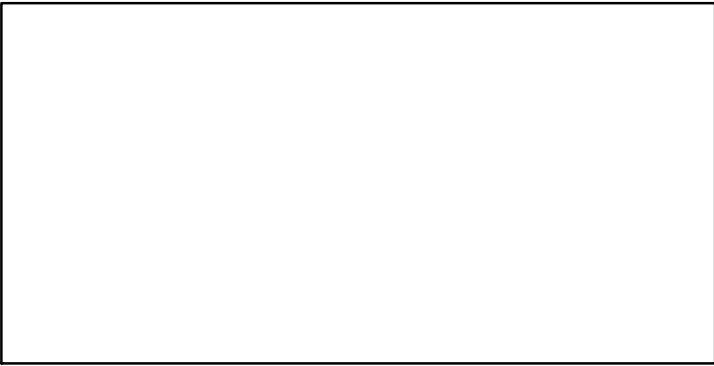


Production*

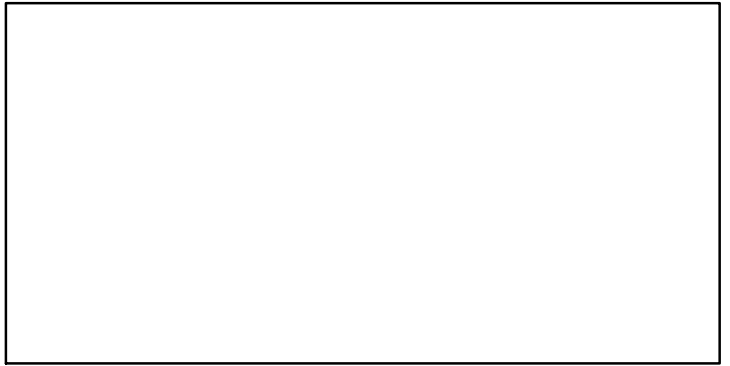


◆ Start Year ◆ End Year * No Data

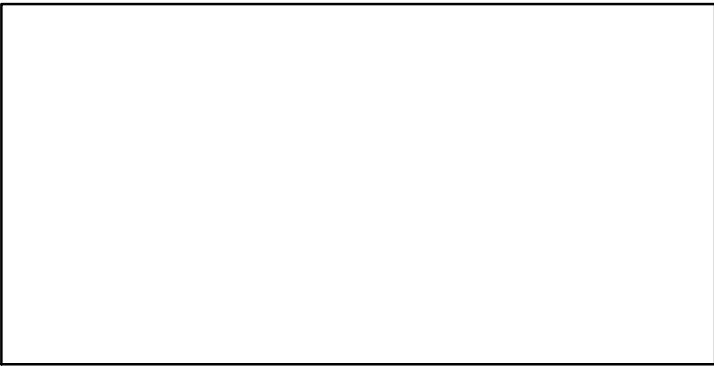
TB*



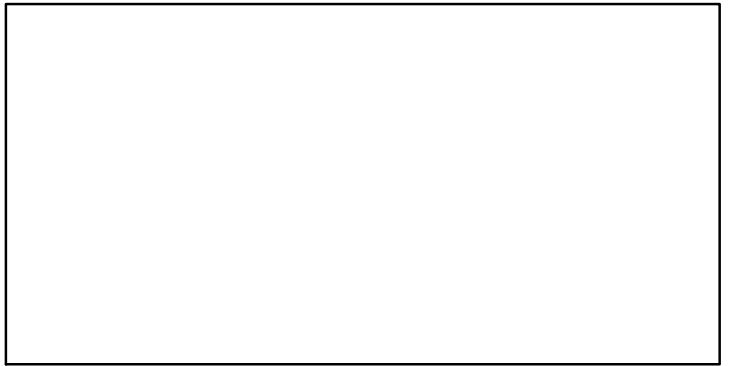
SSB*



TN *



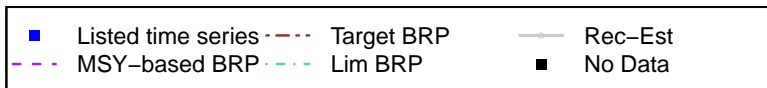
F*



ER*



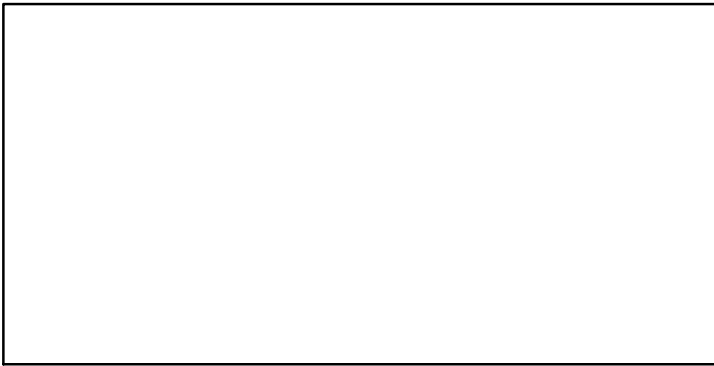
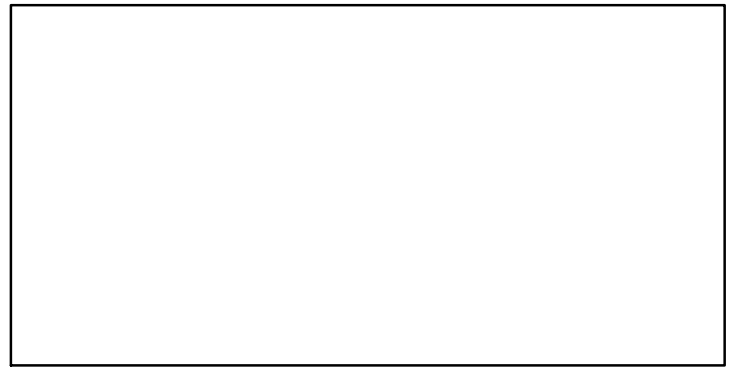
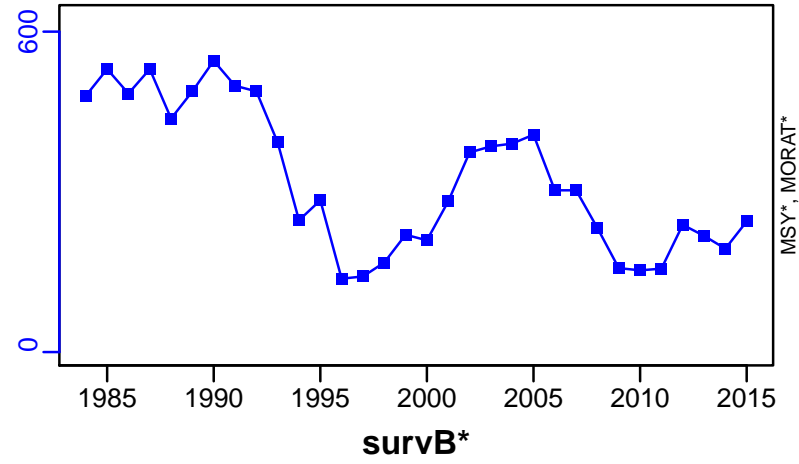
Recruits*



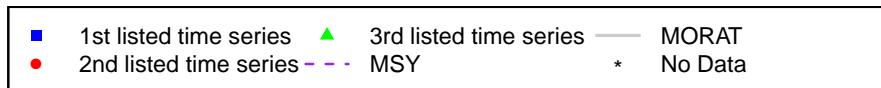
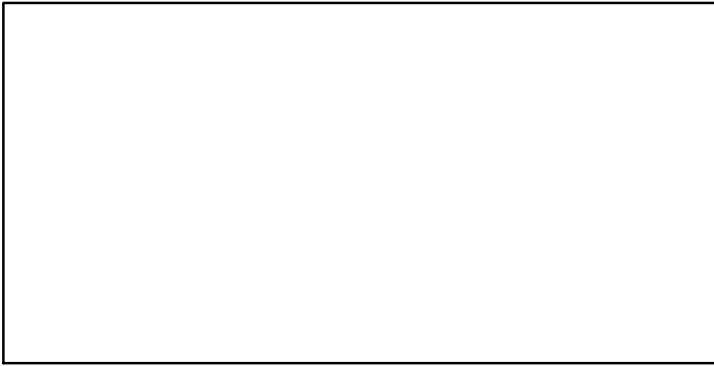
Norway lobster South-West and South Portugal (FU 28-29) [NEPHFU2829]

TL-MT, TC*, RecC* (1984-2016-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Norway lobster Gulf of Cadiz (FU 30) [NEPHFU30]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGBIE-NEPHFU30-1994-2016-ICESIMP2016
Area	Gulf of Cadiz (FU 30)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2016

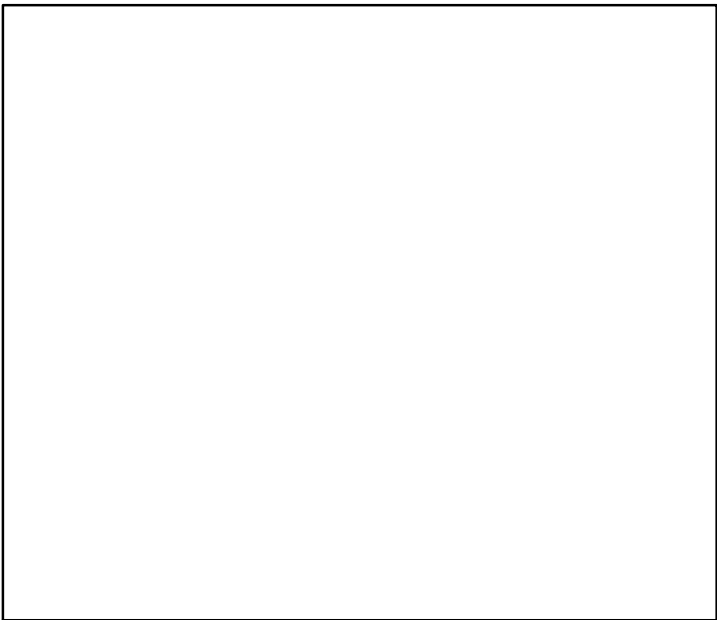
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	25		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

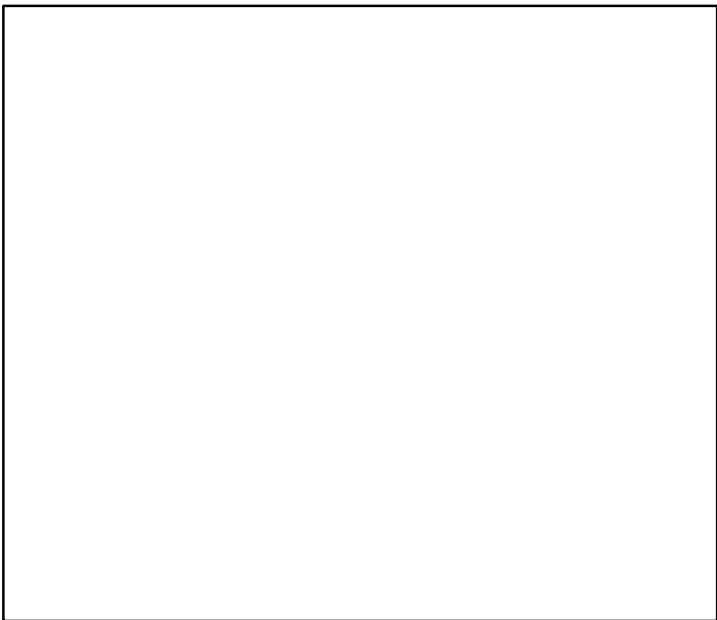
Kobe MSY*



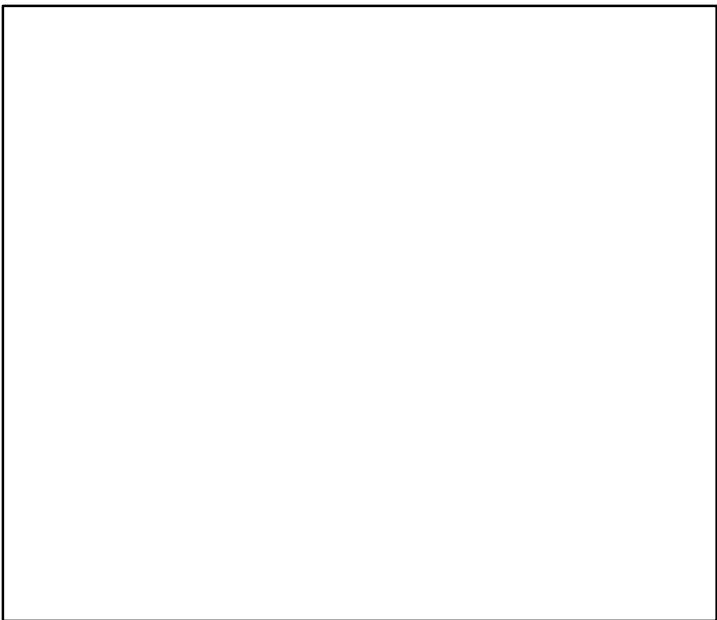
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*



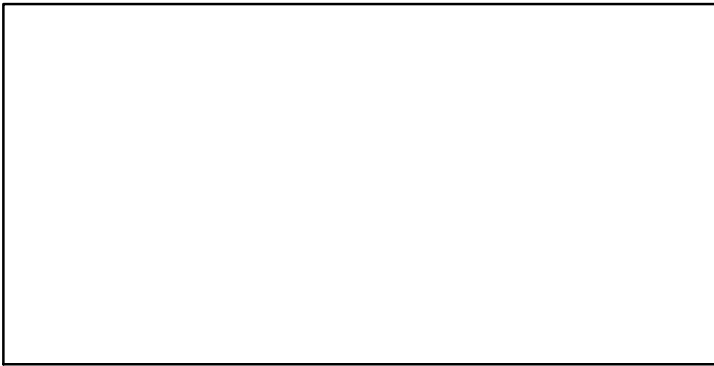
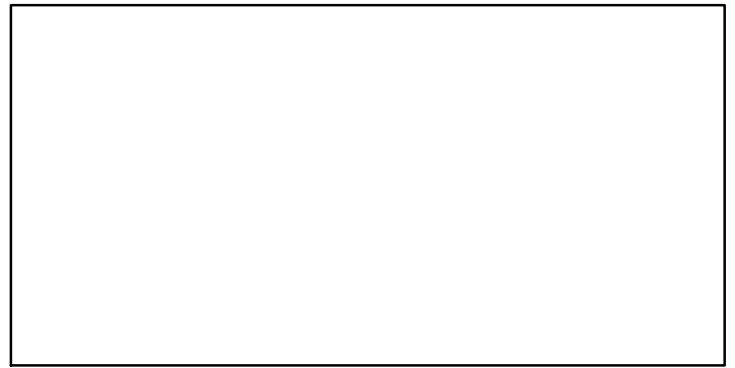
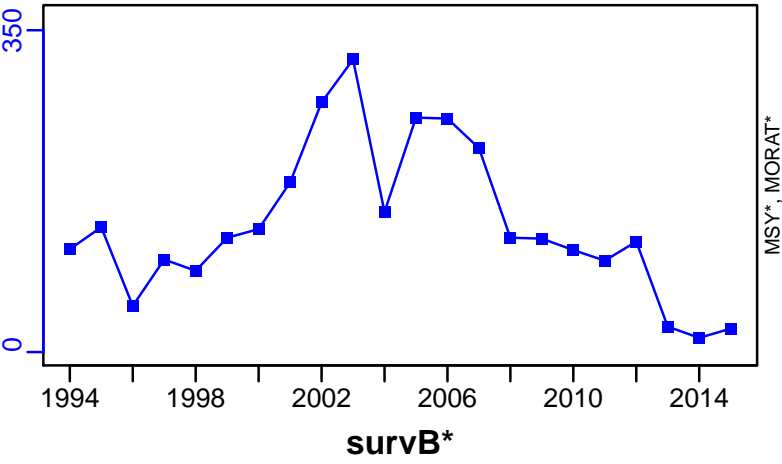
Recruits*



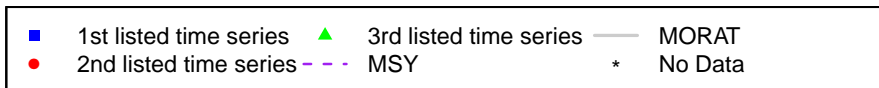
Norway lobster Gulf of Cadiz (FU 30) [NEPHFU30]

TL-MT, TC*, RecC* (1994–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



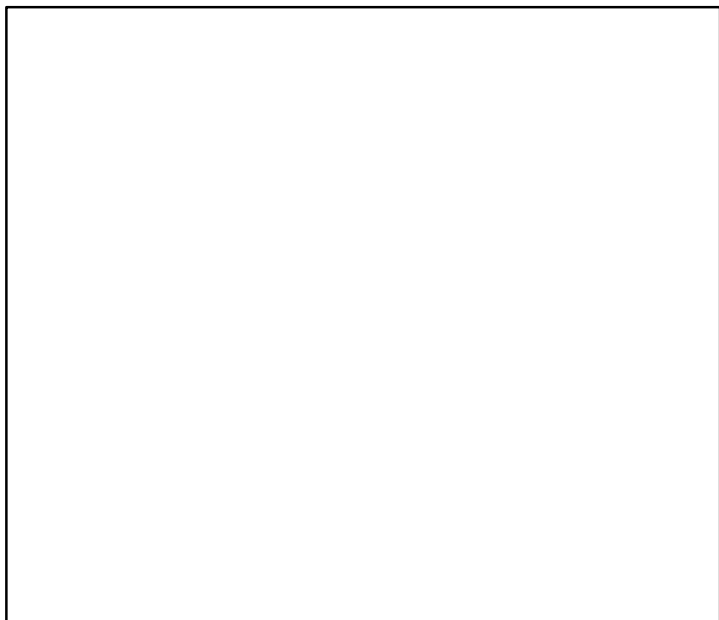
Norway lobster Cantabrian Sea (FU 31) [NEPHFU31]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGBIE-NEPHFU31-1983-2016-ICESIMP2016
Area	Cantabrian Sea (FU 31)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2016

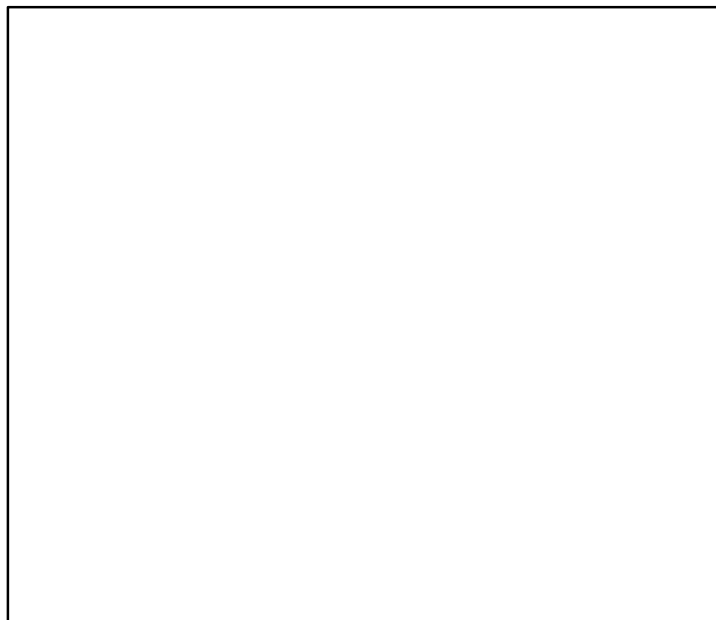
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	4.26		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*

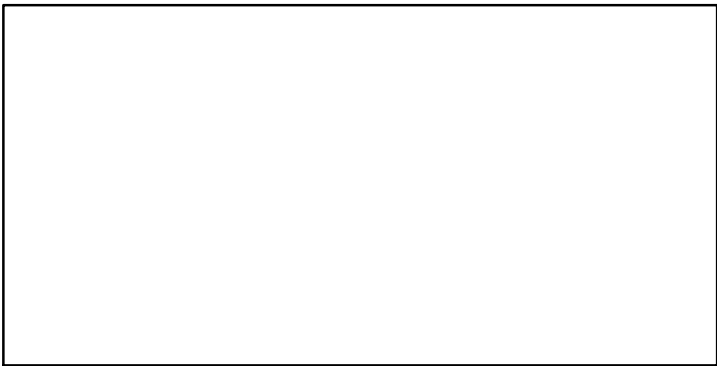


Production*

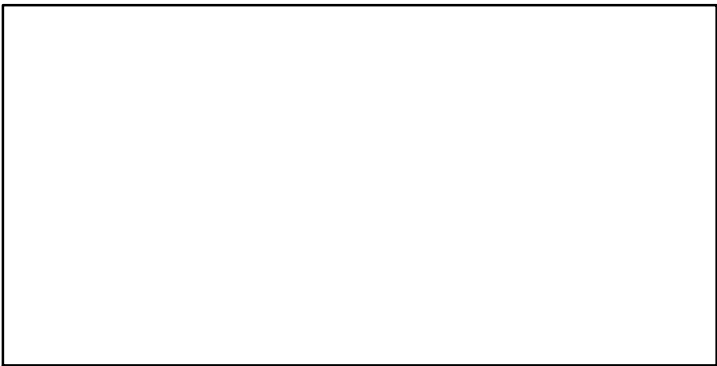


◆ Start Year ◆ End Year * No Data

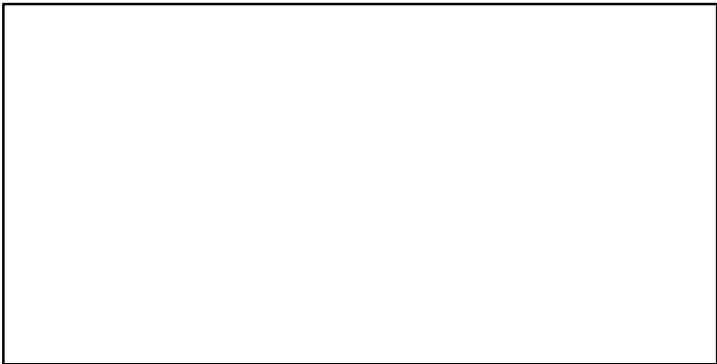
TB*



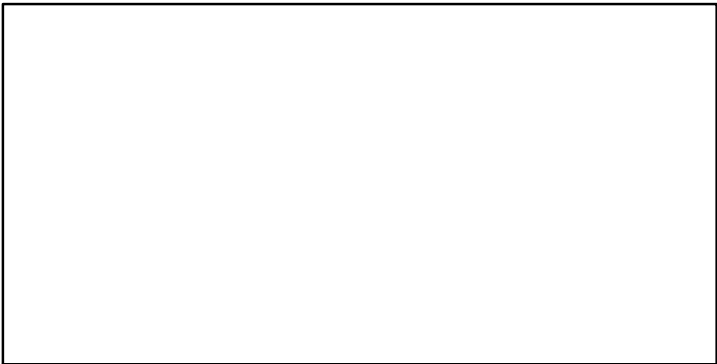
SSB*



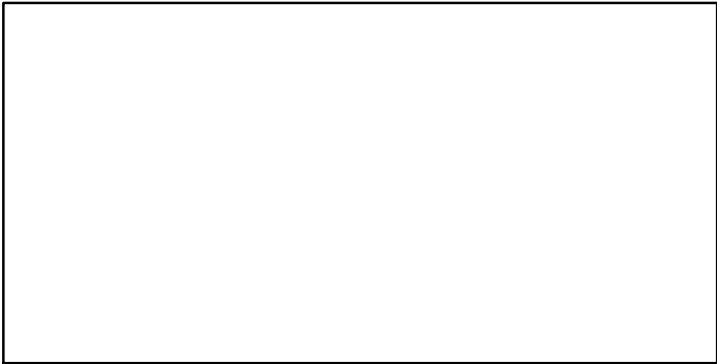
TN *



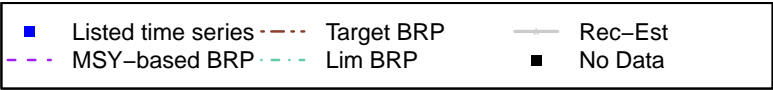
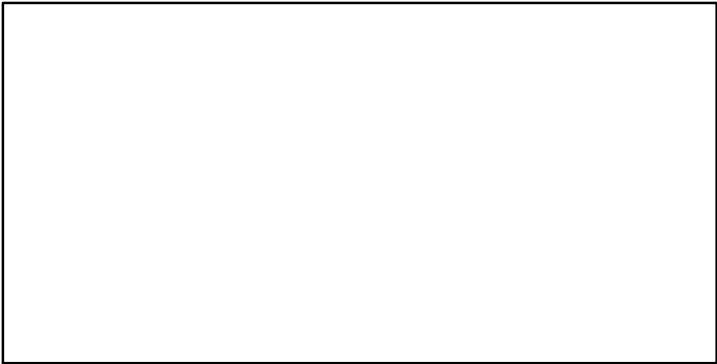
F*



ER*

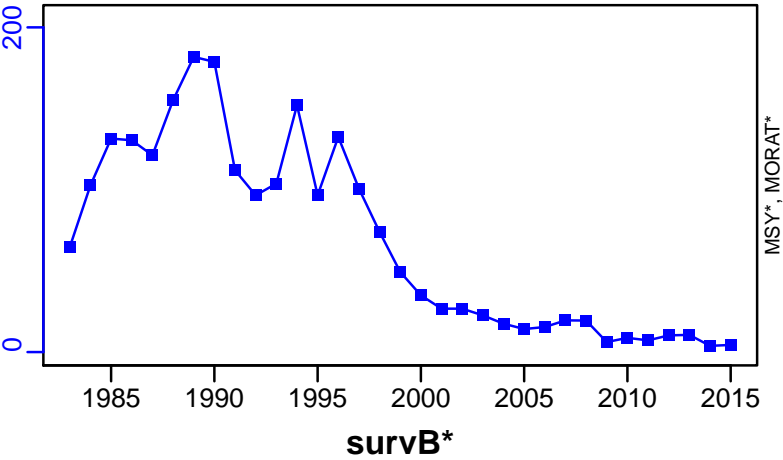


Recruits*



Norway lobster Cantabrian Sea (FU 31) [NEPHFU31]

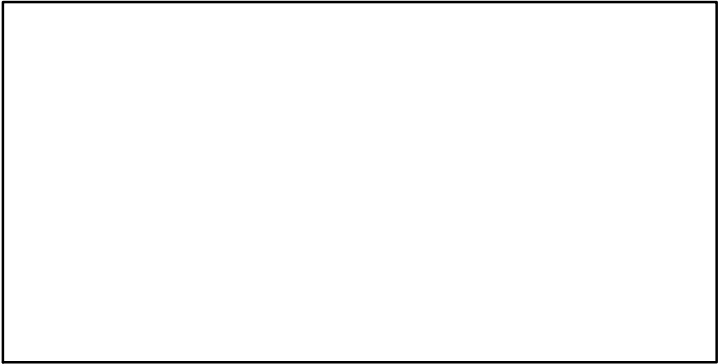
TL-MT, TC*, RecC* (1983-2016-ICESIMP2016)



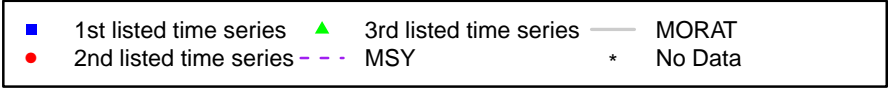
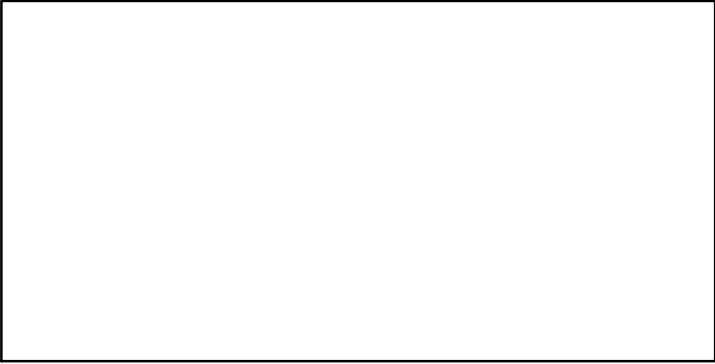
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



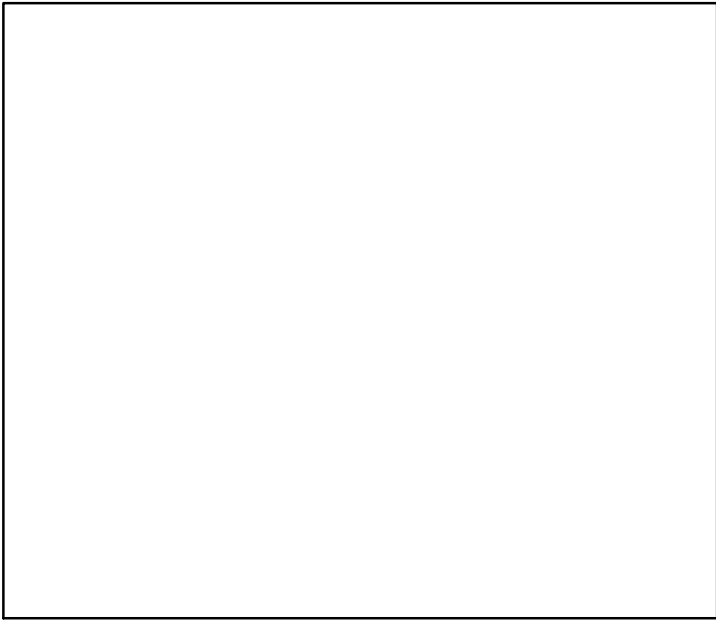
Norway lobster Norwegian Deeps (FU 32) [NEPHFU32]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGNSSK-NEPHFU32-1987-2016-ICESIMP2016
Area	Norwegian Deeps (FU 32)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2016

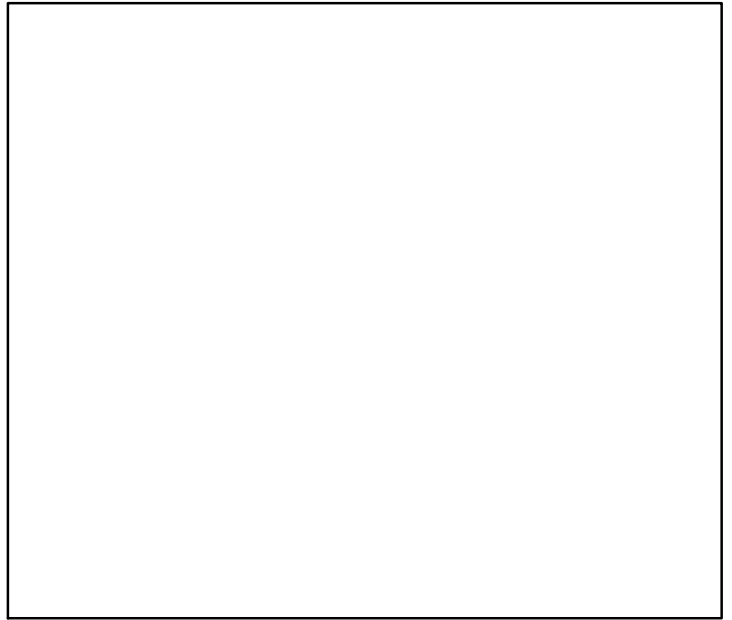
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	198		
TL	TL-MT	2016	192		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

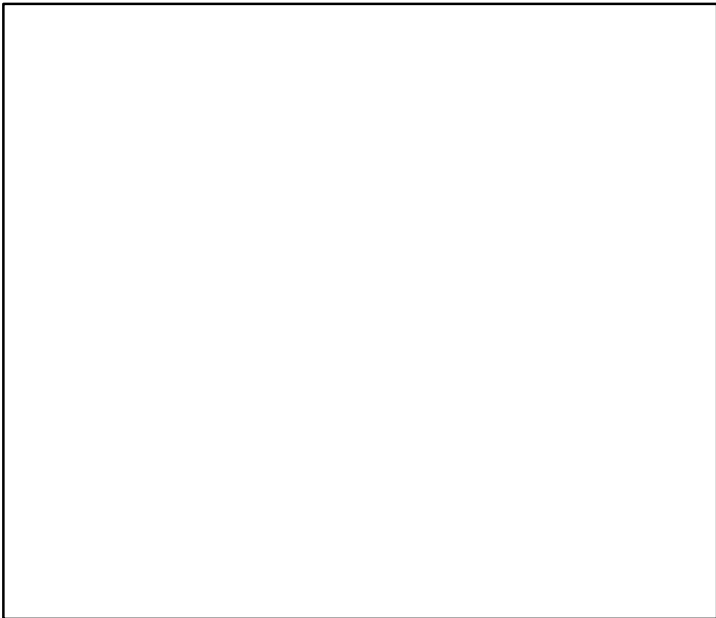
Kobe MSY*



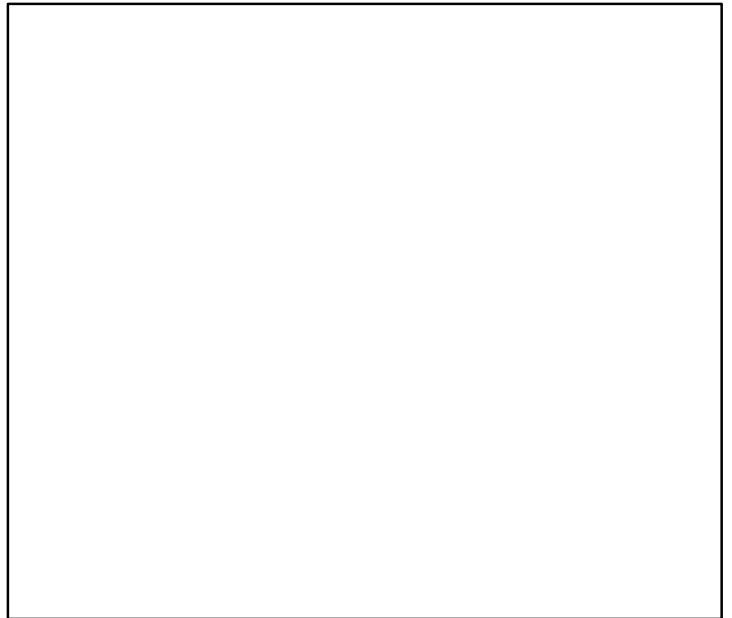
Kobe MGT*



Spawner Recruit*



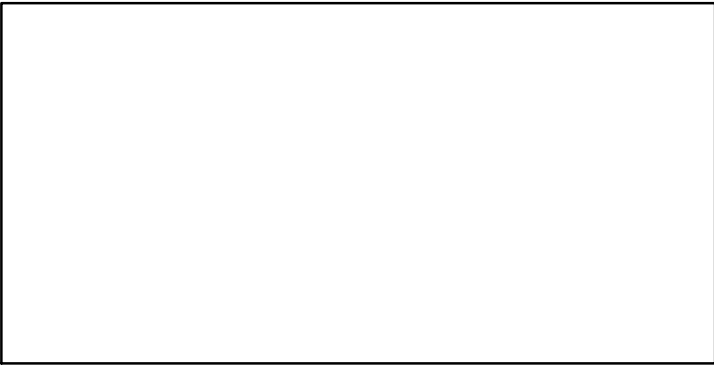
Production*



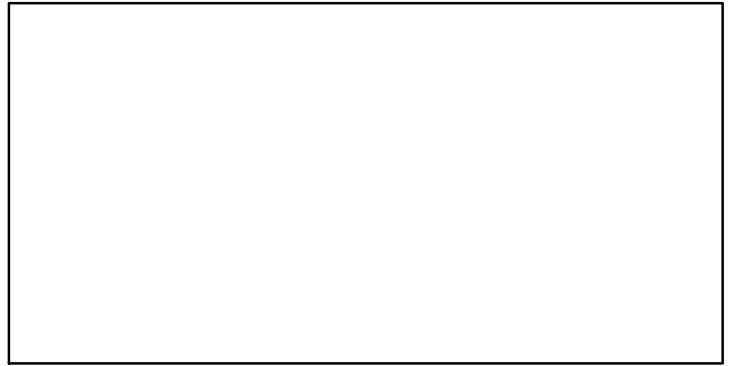
◆ Start Year ◆ End Year * No Data

Norway lobster Norwegian Deepse (FU 32) [NEPHFU32]

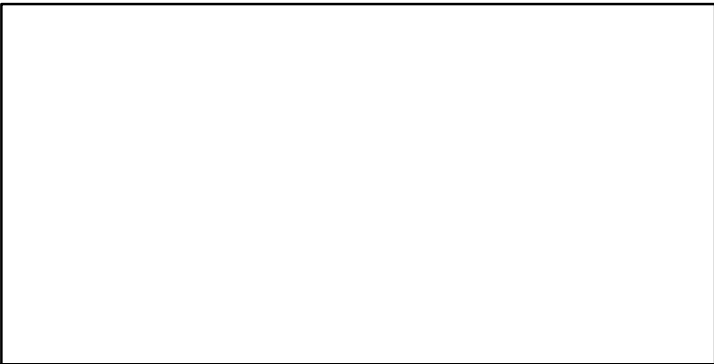
TB*



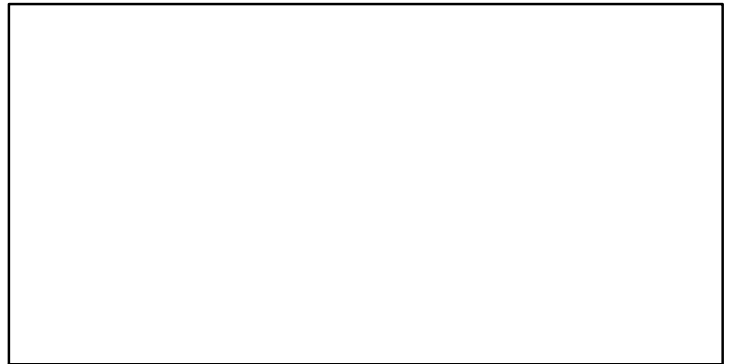
SSB*



TN *



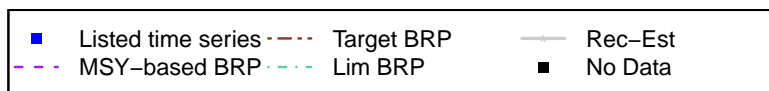
F*



ER*

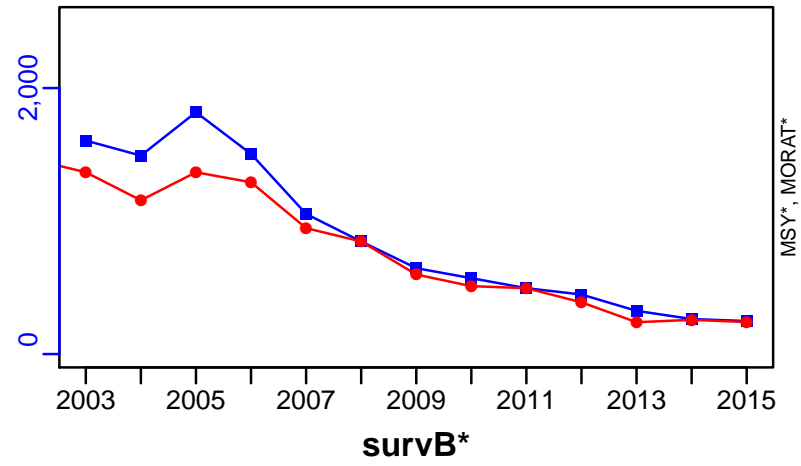


Recruits*

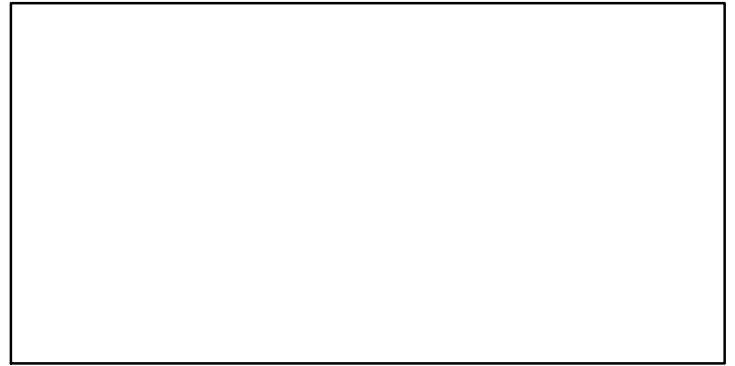


Norway lobster Norwegian Deeps (FU 32) [NEPHFU32]

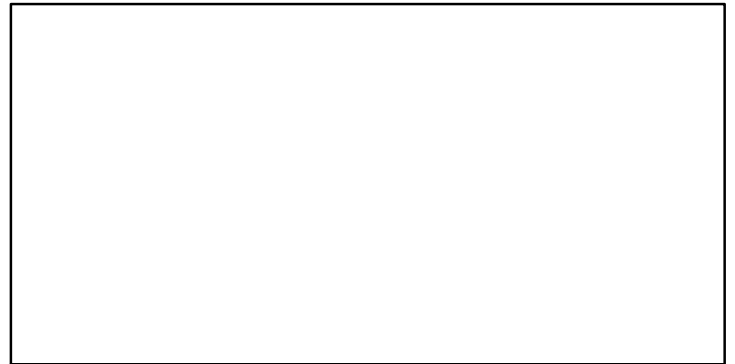
TC-MT, TL-MT, RecC* (1987–2016–ICESIMP2016)



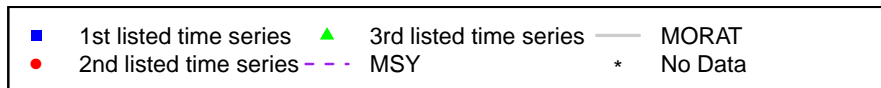
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Norway lobster Off Horn Reef (FU 33) [NEPHFU33]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGNSSK-NEPHFU33-1993-2016-ICESIMP2016
Area	Off Horn Reef (FU 33)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2016

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	2016	1000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

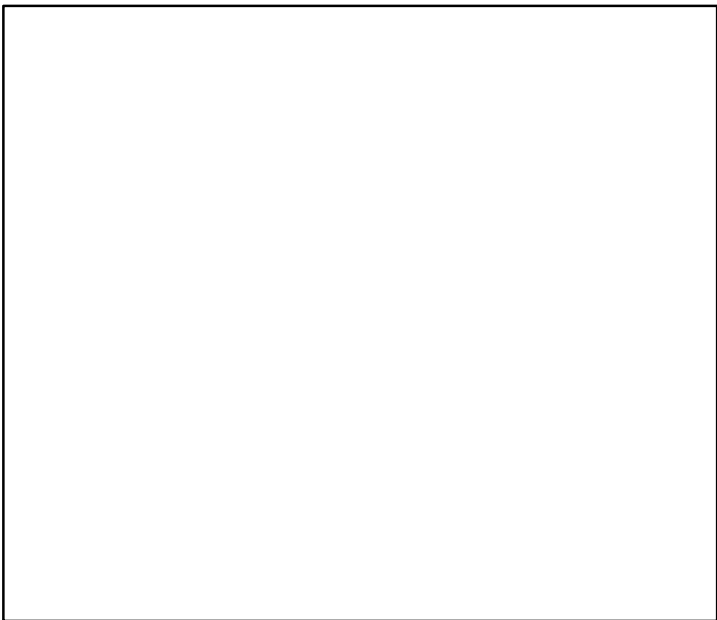
Kobe MSY*



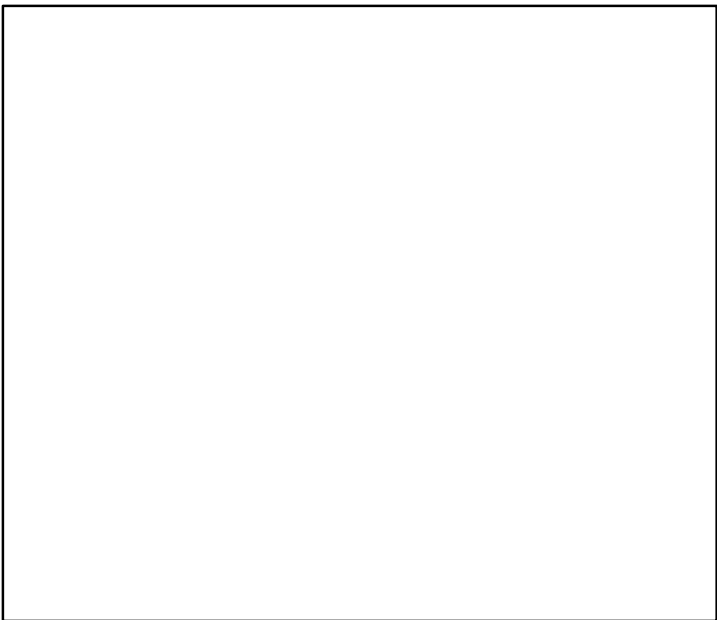
Kobe MGT*



Spawner Recruit*

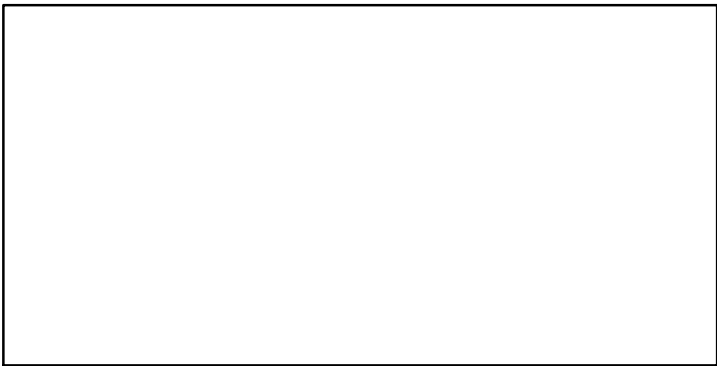


Production*

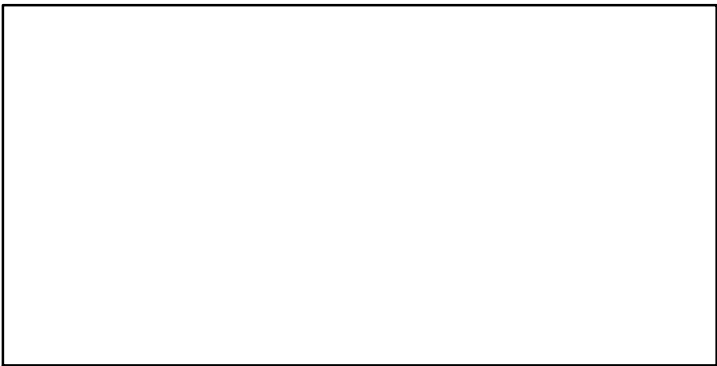


◆ Start Year ◆ End Year * No Data

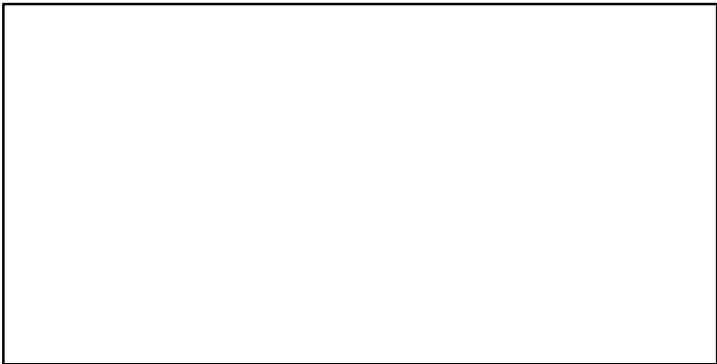
TB*



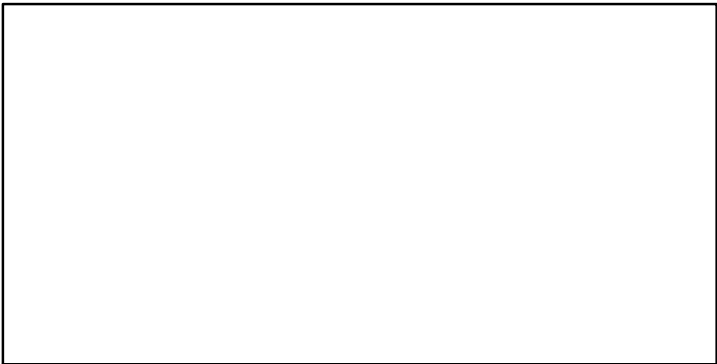
SSB*



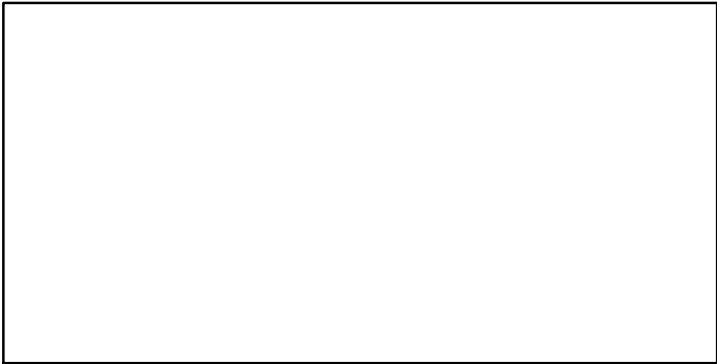
TN *



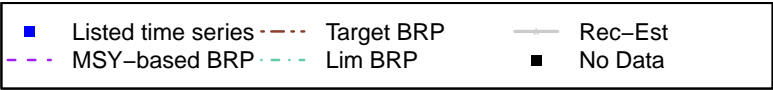
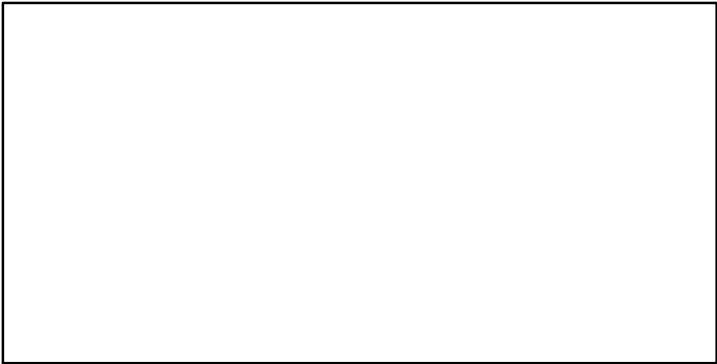
F*



ER*

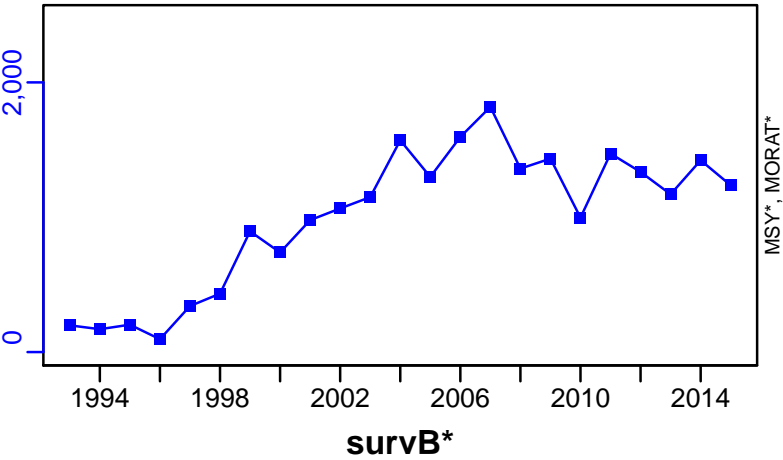


Recruits*



Norway lobster Off Horn Reef (FU 33) [NEPHFU33]

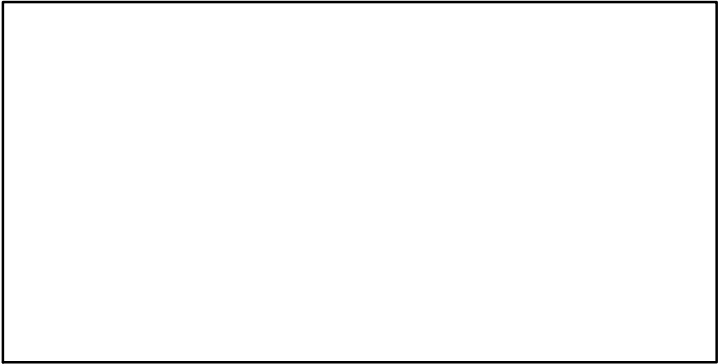
TL-MT, TC*, RecC* (1993–2016–ICESIMP2016)



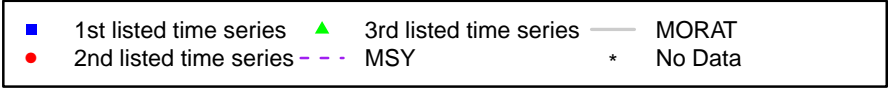
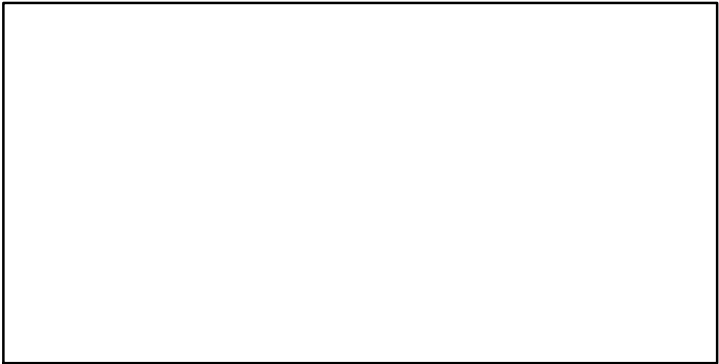
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*

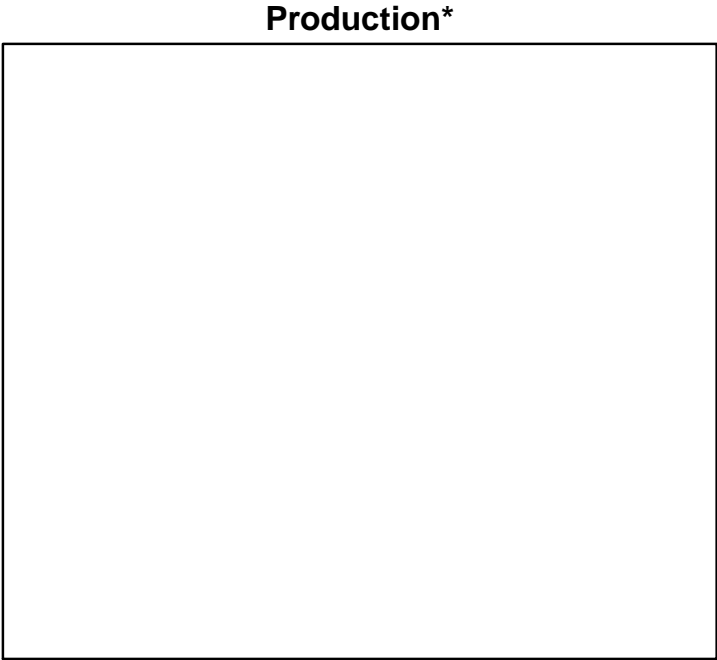
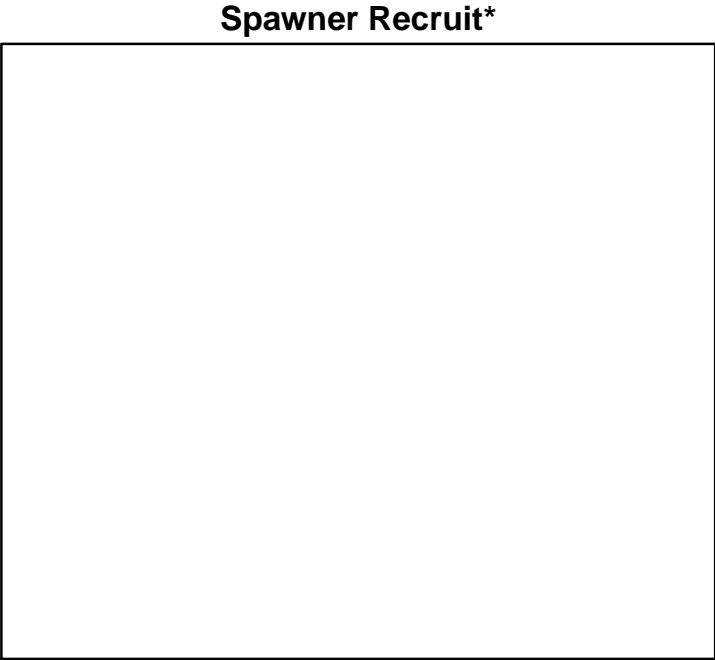
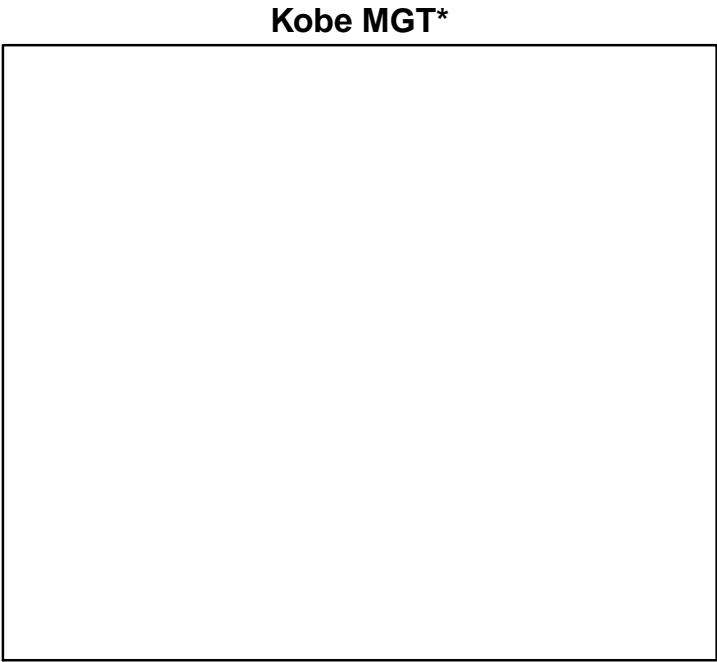
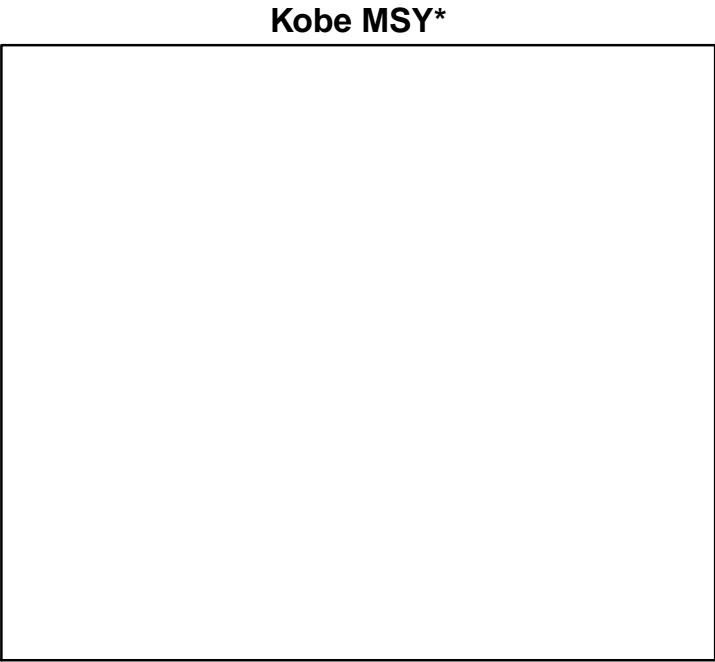


Norway lobster Devil's Hole (FU 34) [NEPHFU34]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGNSSK-NEPHFU34-1986-2016-ICESIMP2016
Area	Devil's Hole (FU 34)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2016

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	2016	439		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*



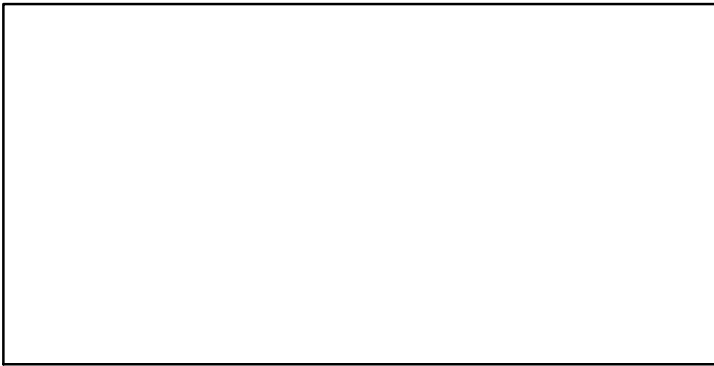
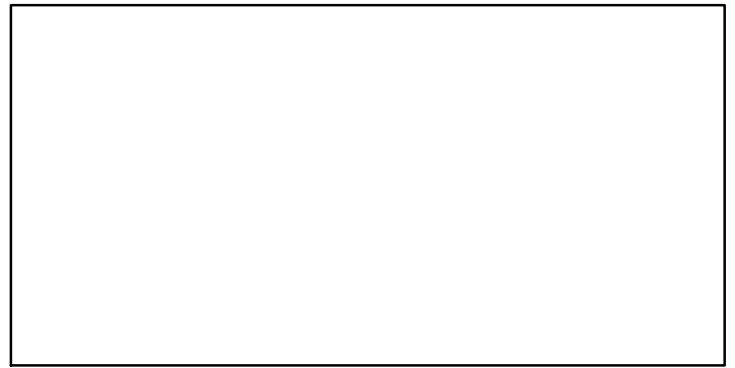
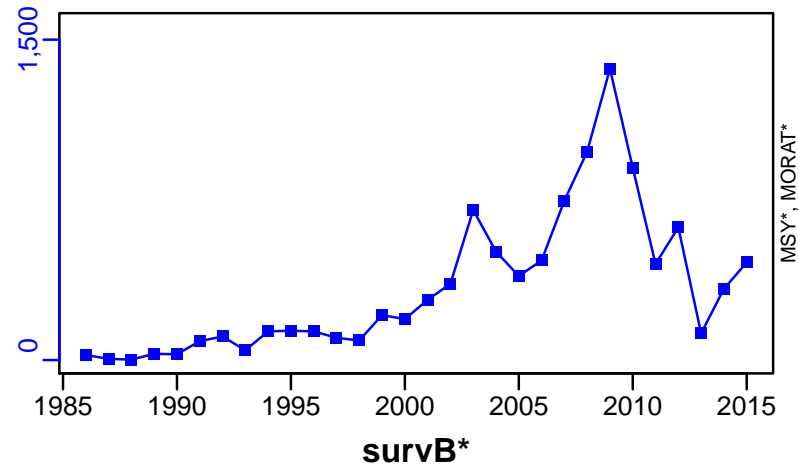
Recruits*



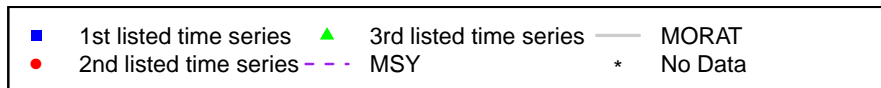
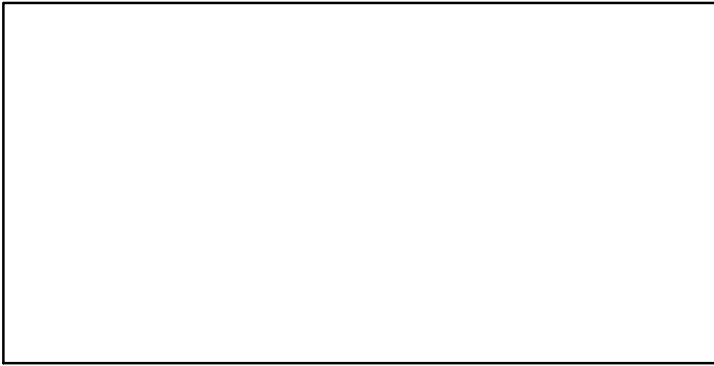
Norway lobster Devil's Hole (FU 34) [NEPHFU34]

TL-MT, TC*, RecC* (1986–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



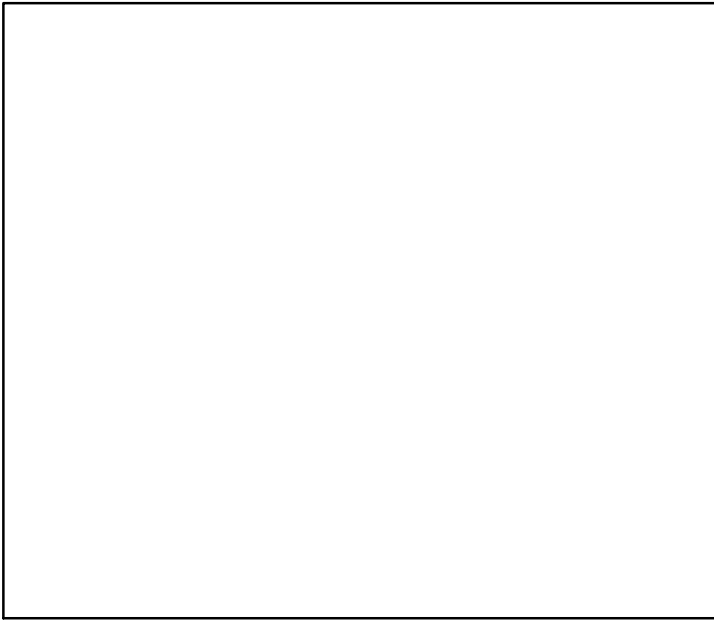
Norway lobster Skagerak Kattegat (FU 3-4) [NEPHFU3-4]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGNSSK-NEPHFU3-4-1960-2016-ICESIMP2016
Area	Skagerak Kattegat (FU 3-4)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2016, 2015

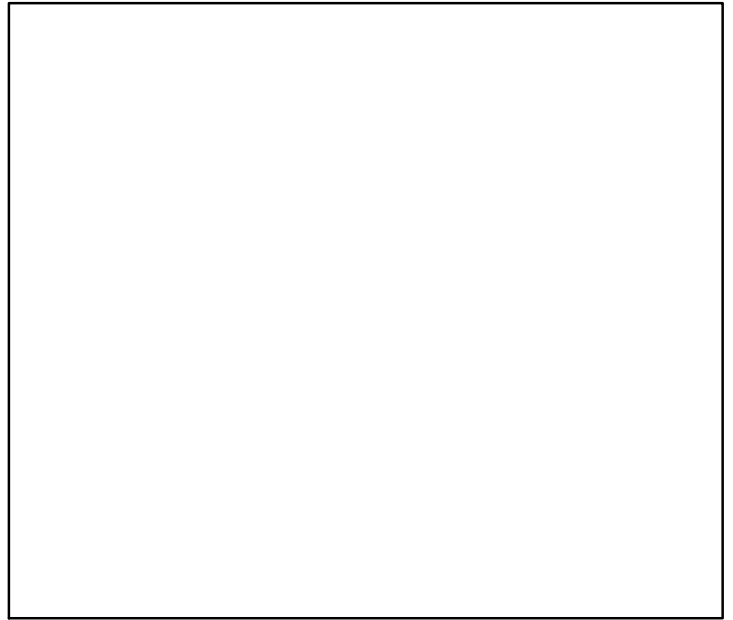
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	3350		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

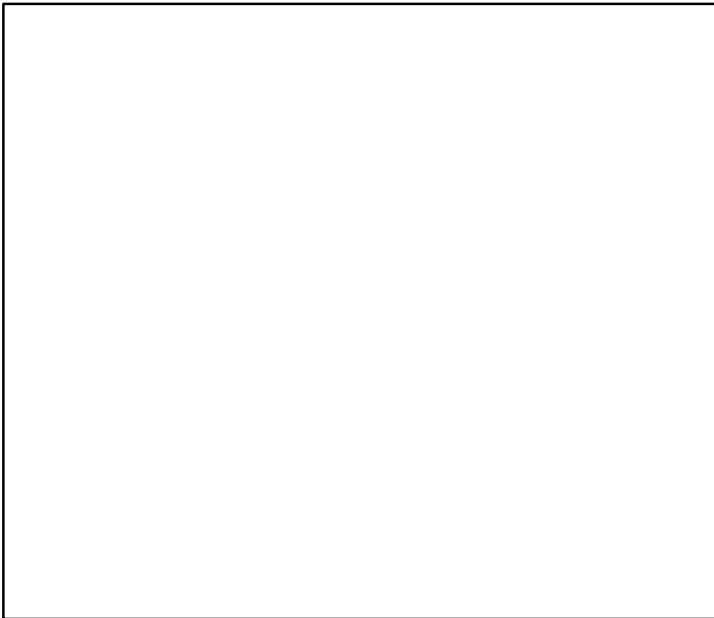
Kobe MSY*



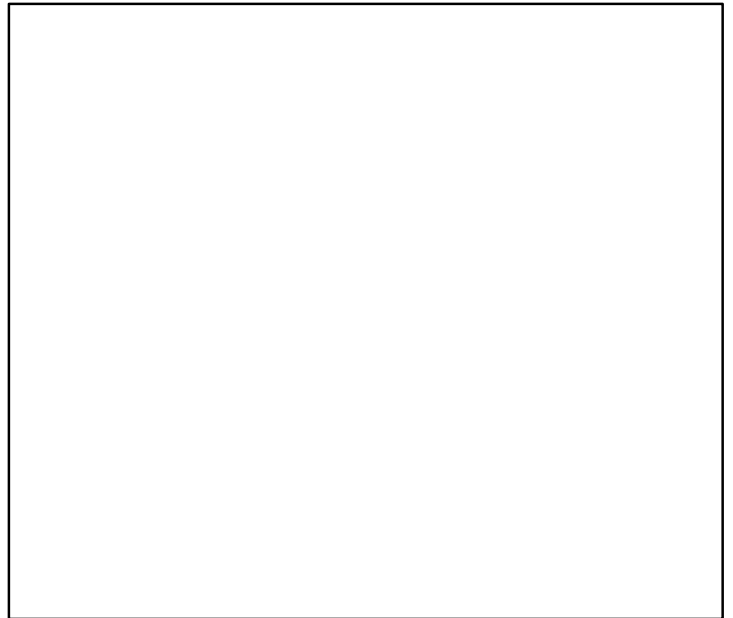
Kobe MGT*



Spawner Recruit*

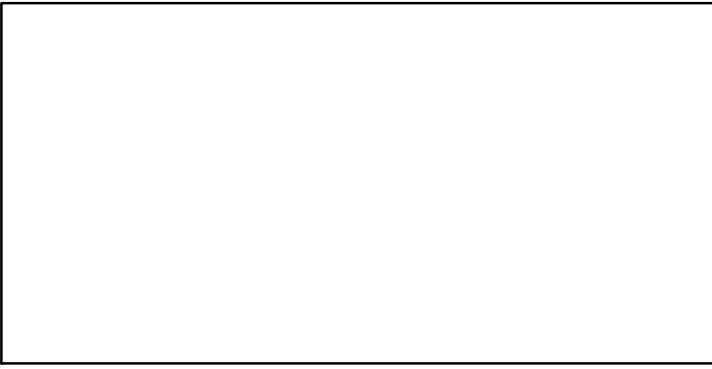


Production*

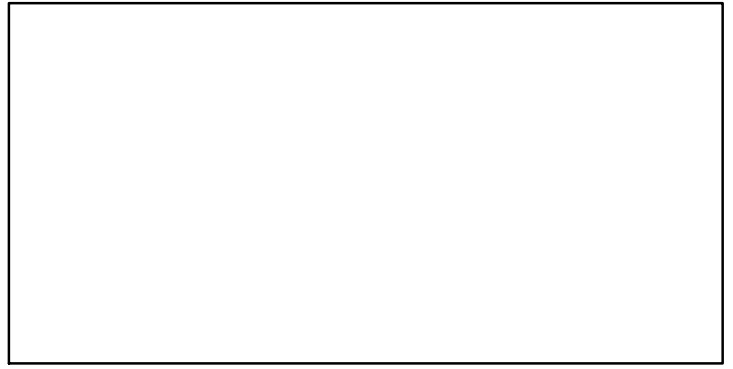


◆ Start Year ◆ End Year * No Data

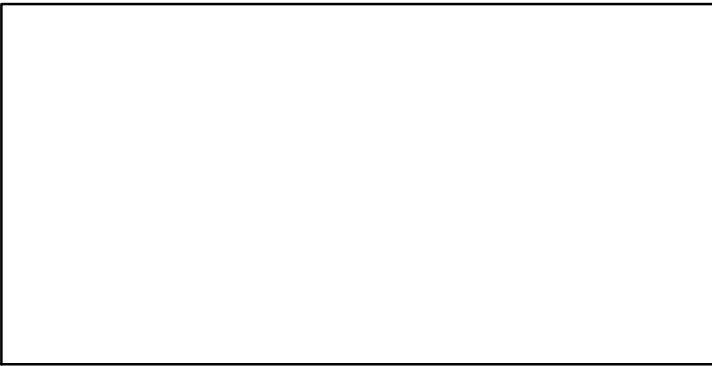
TB*



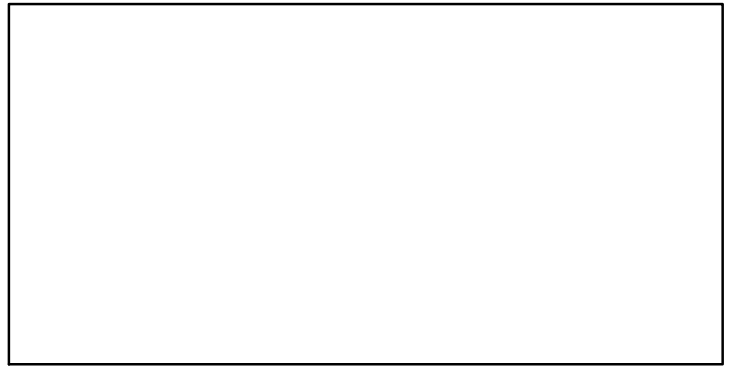
SSB*



TN *



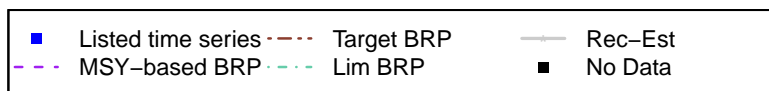
F*



ER*



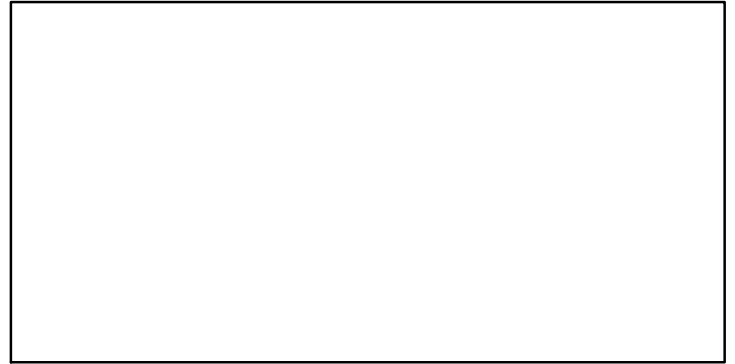
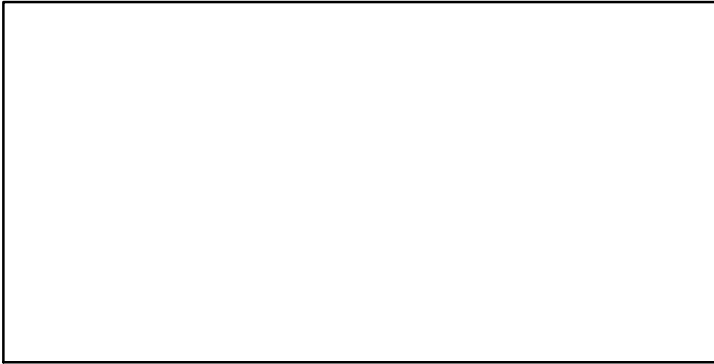
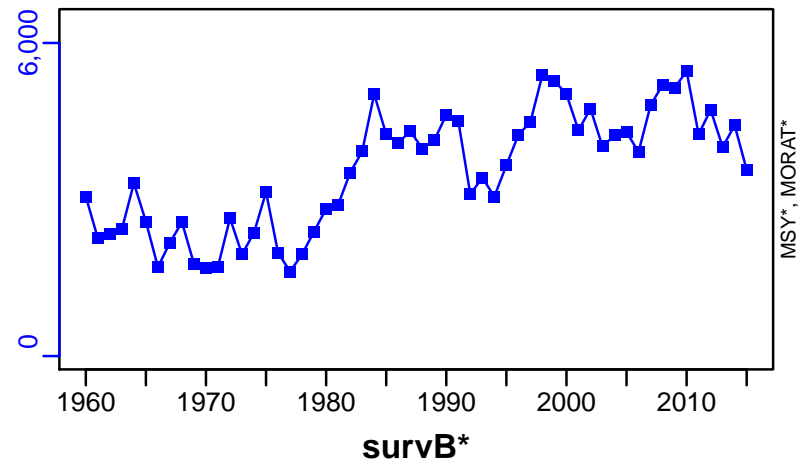
Recruits*



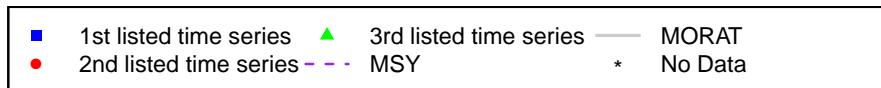
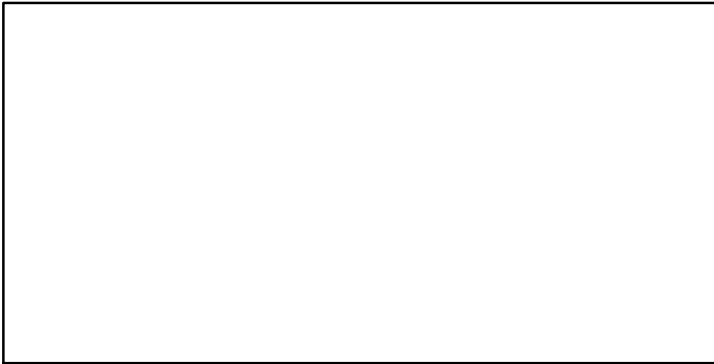
Norway lobster Skagerak Kattegat (FU 3–4) [NEPHFU3–4]

TL–MT, TC*, RecC* (1960–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



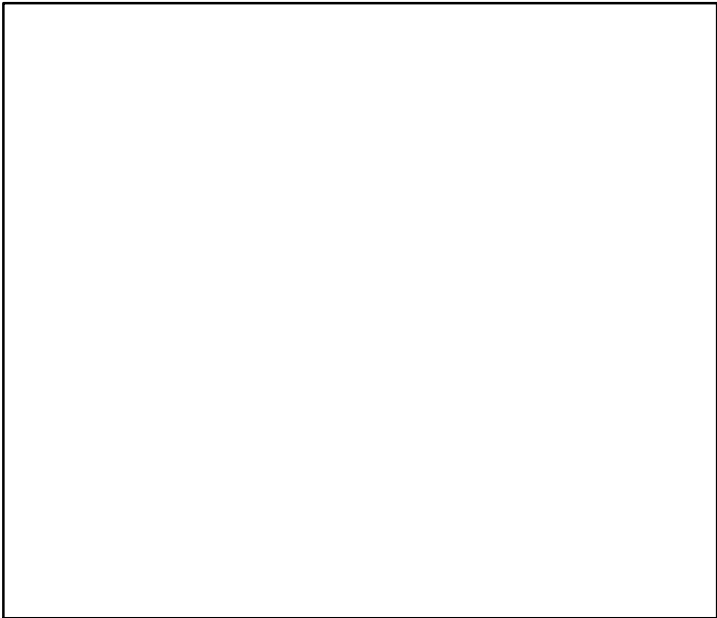
Norway lobster Botney Cut - Silver Pit (FU 5) [NEPHFU5]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGNSSK-NEPHFU5-1991-2016-ICESIMP2016
Area	Botney Cut - Silver Pit(FU 5)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2016

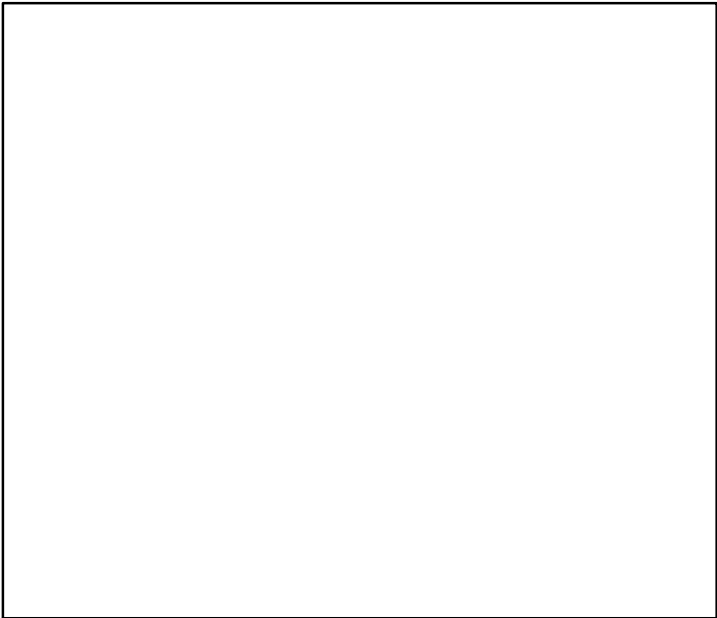
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	1520		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

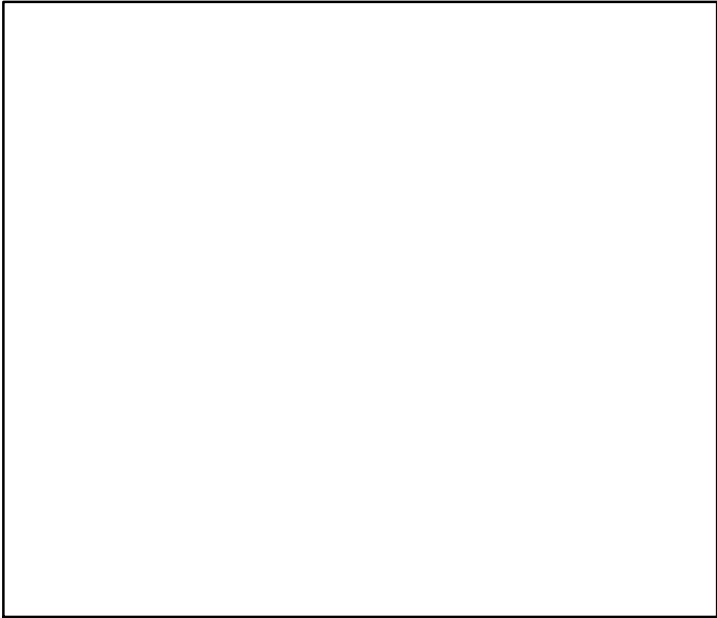
Kobe MSY*



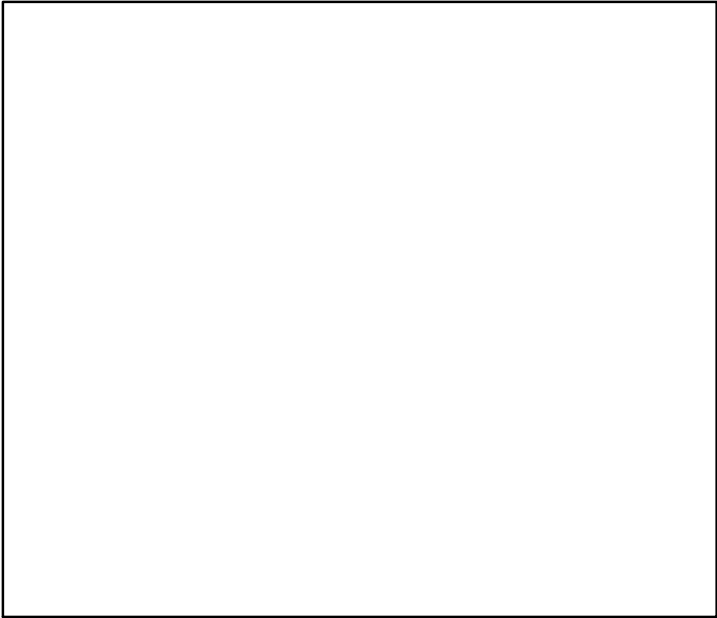
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*

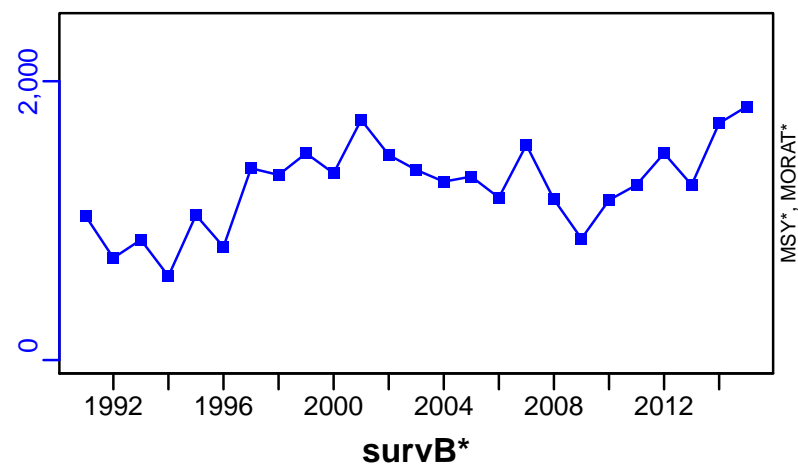


Recruits*

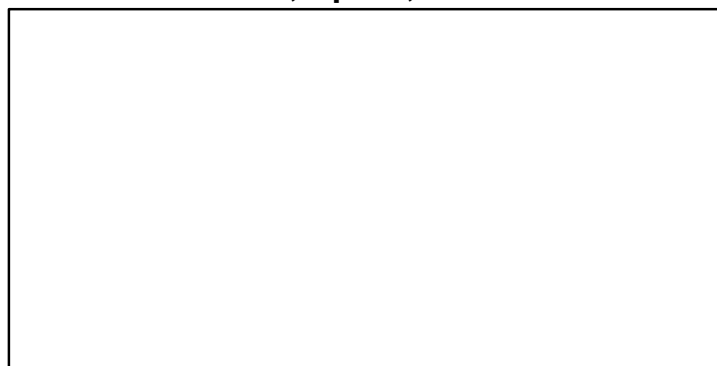


Norway lobster Botney Cut – Silver Pit (FU 5) [NEPHFU5]

TL–MT, TC*, RecC* (1991–2016–ICESIMP2016)



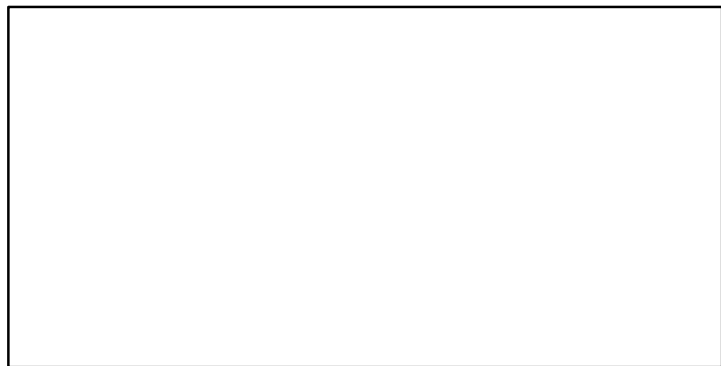
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

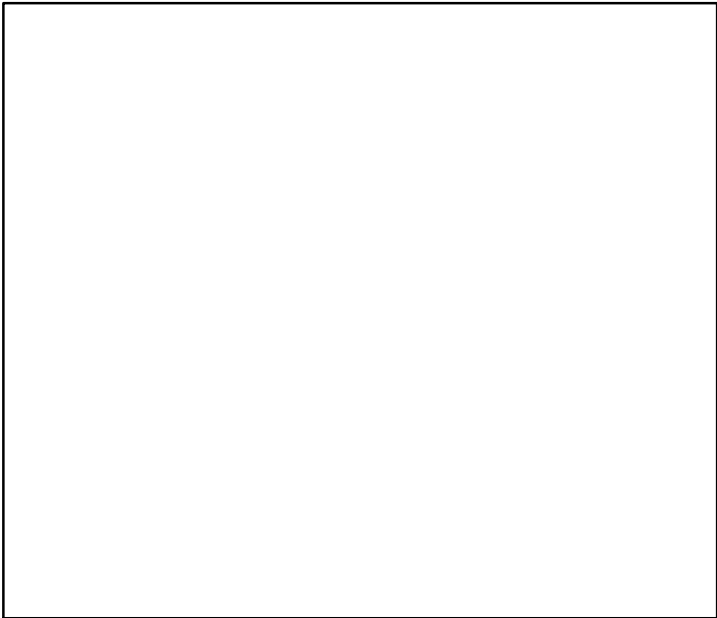
Norway lobster Farn Deeps (FU 6) [NEPHFU6]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGNSSK-NEPHFU6-1981-2016-ICESIMP2016
Area	Farn Deeps (FU 6)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2015, 2016

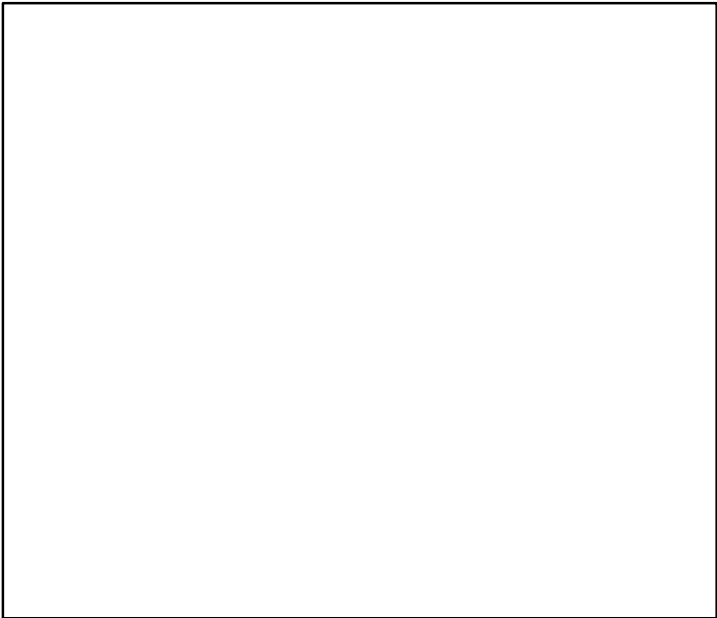
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2016	0.081
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2016	0.081
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2016	0.116	-	-
TC	-	-	-		
TL	TL-MT	2016	1370		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2016	1.435		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

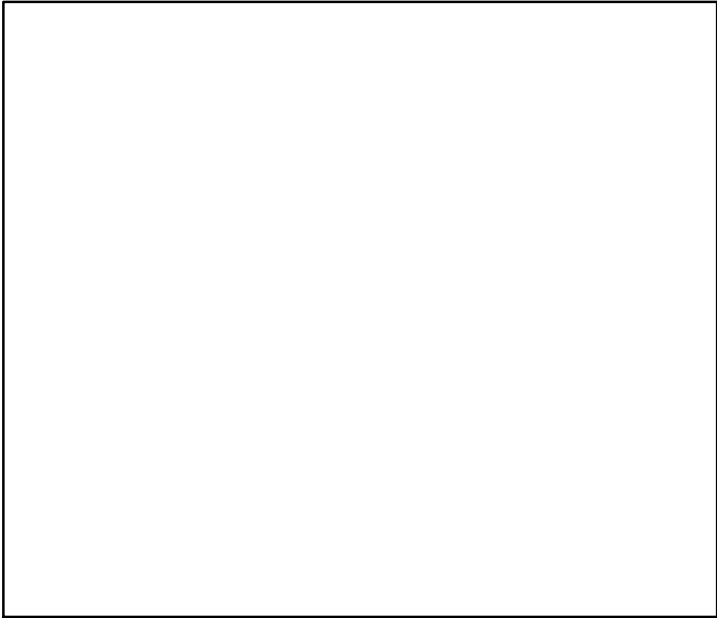
Kobe MSY*



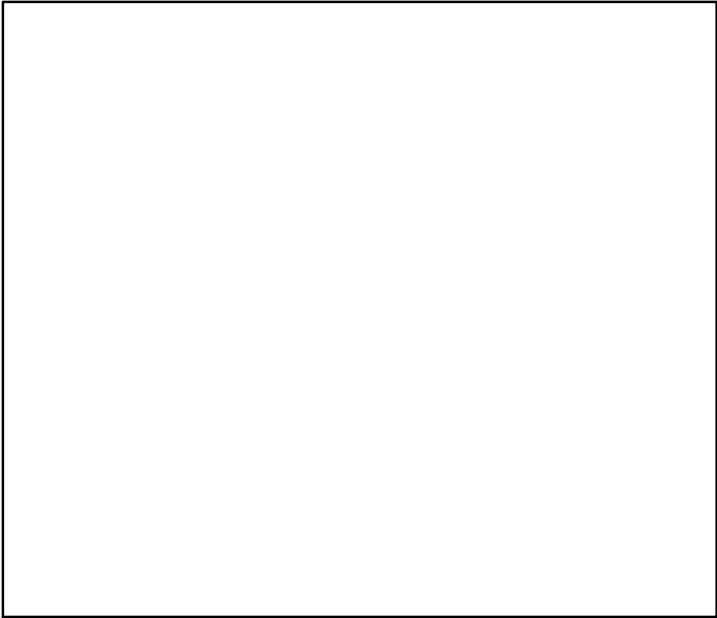
Kobe MGT*



Spawner Recruit*



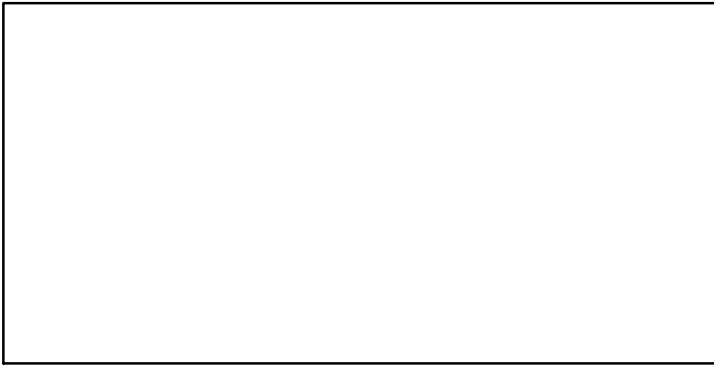
Production*



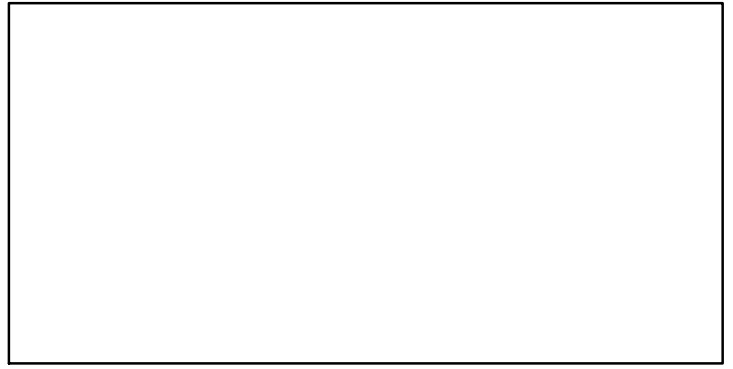
◆ Start Year ◆ End Year * No Data

Norway lobster Farn Deepes (FU 6) [NEPHFU6]

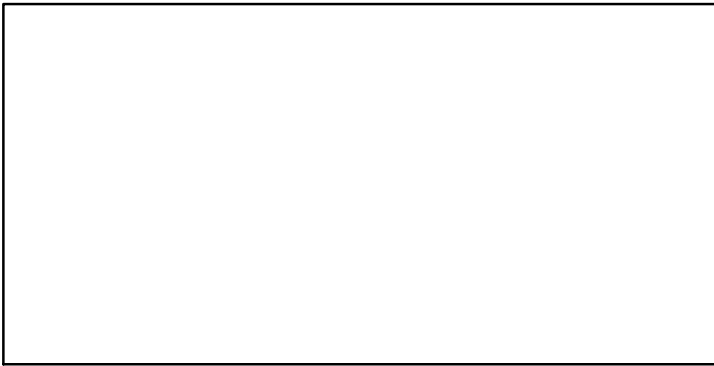
TB*



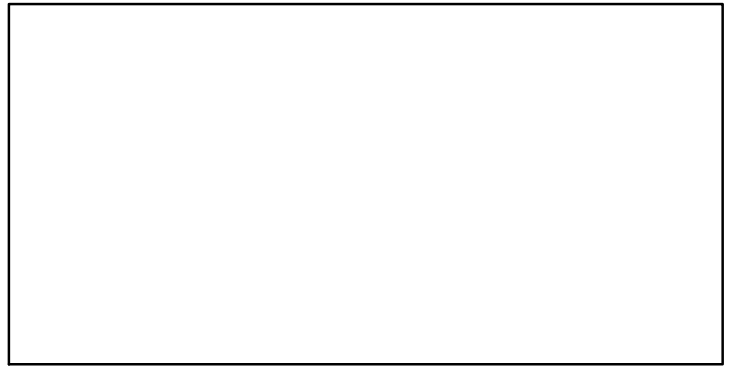
SSB*



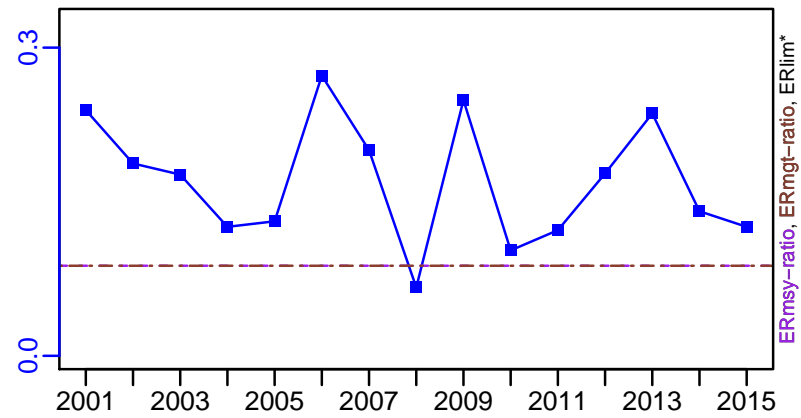
TN *



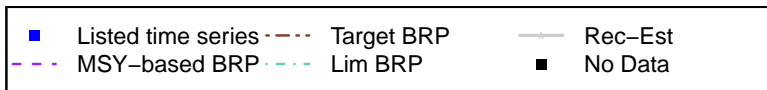
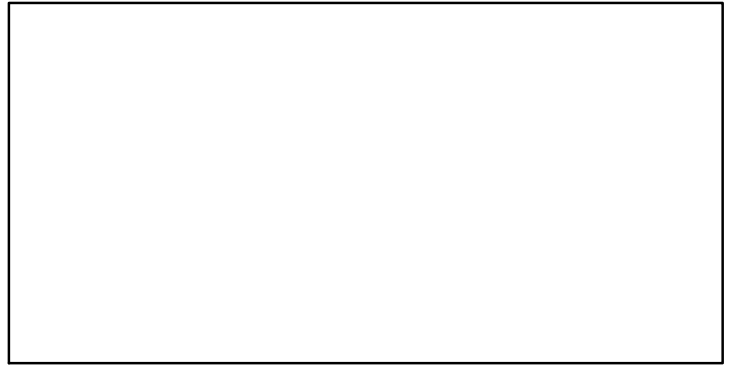
F*



ER-ratio (1981–2016–ICESIMP2016)



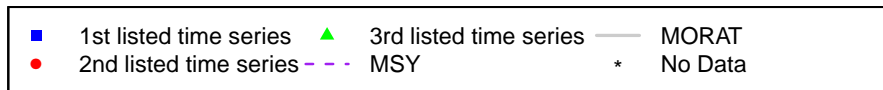
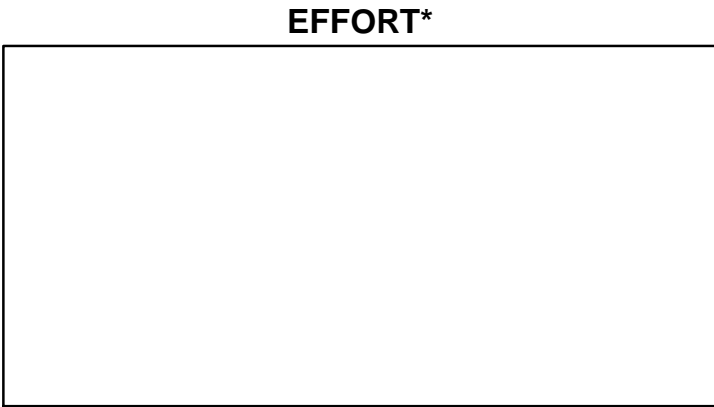
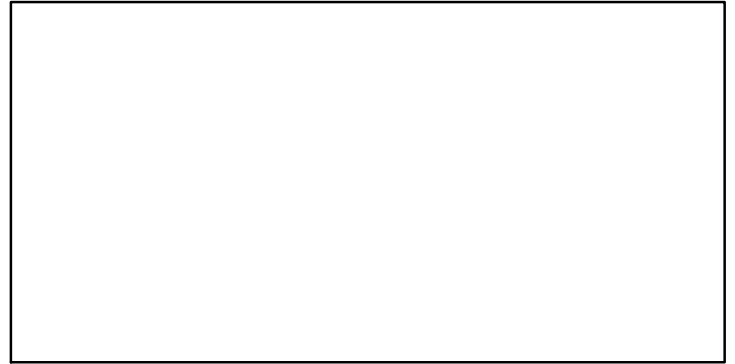
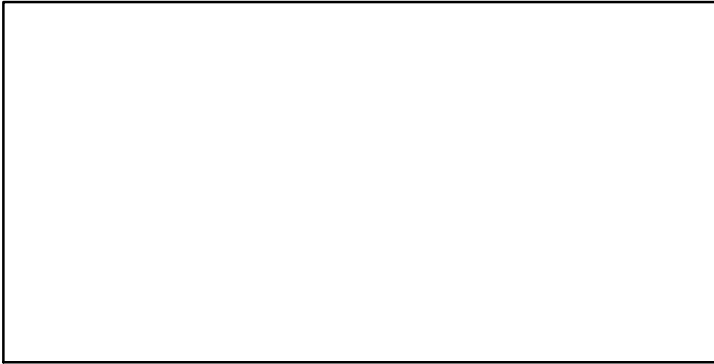
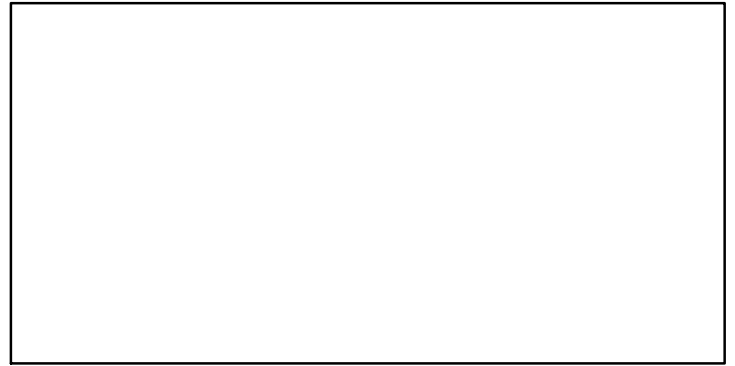
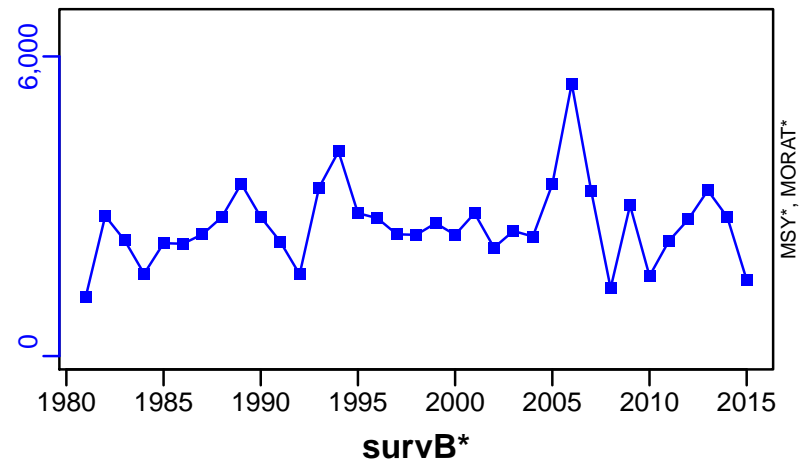
Recruits*



Norway lobster Farn Deeps (FU 6) [NEPHFU6]

TL-MT, TC*, RecC* (1981-2016-ICESIMP2016)

TAC*, Cpair*, Cadv*



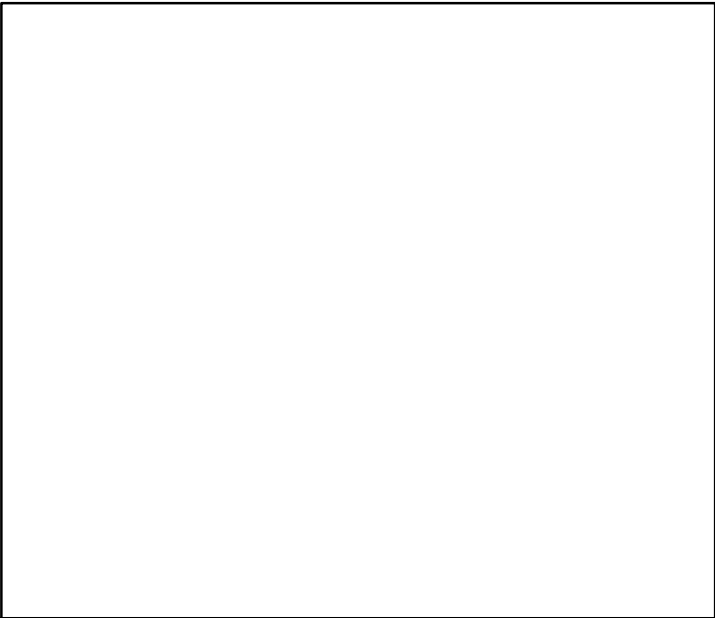
Norway lobster Fladen Ground (FU 7) [NEPHFU7]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGNSSK-NEPHFU7-1992-2016-ICESIMP2016
Area	Fladen Ground (FU 7)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2015, 2016

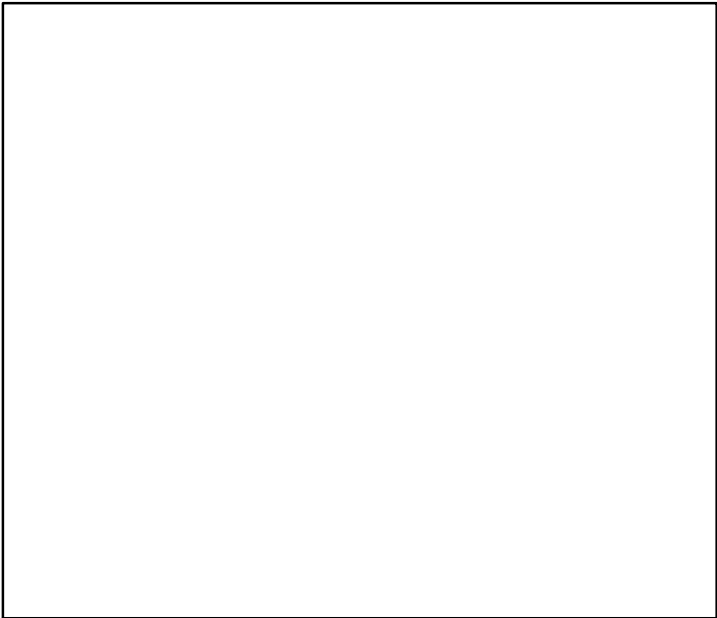
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2016	0.075
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2016	0.075
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2016	0.02	-	-
TC	-	-	-		
TL	TL-MT	2016	1790		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2016	0.267		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

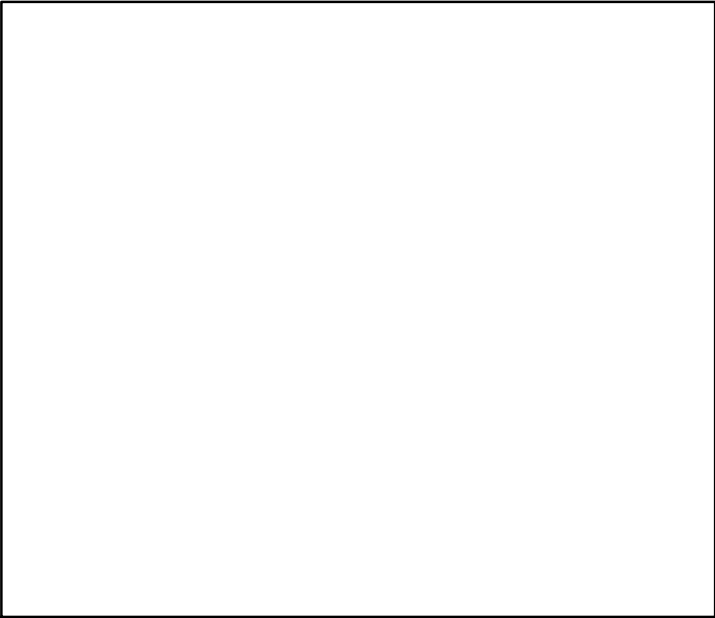
Kobe MSY*



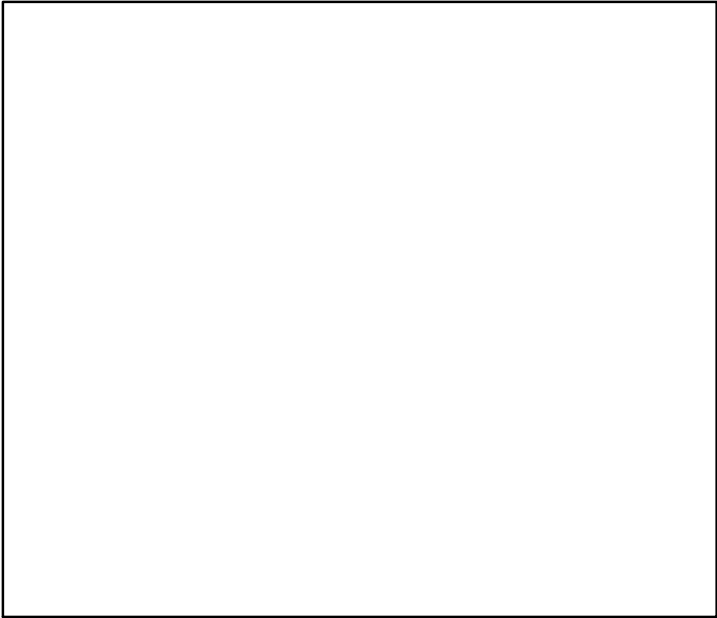
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Norway lobster Fladen Ground (FU 7) [NEPHFU7]

TB*



SSB*



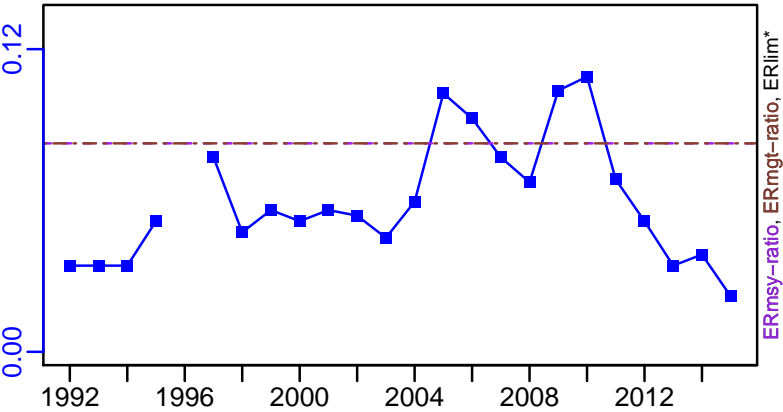
TN *



F*



ER-ratio (1992–2016–ICESIMP2016)



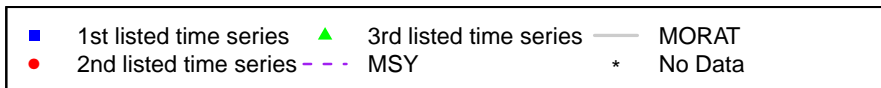
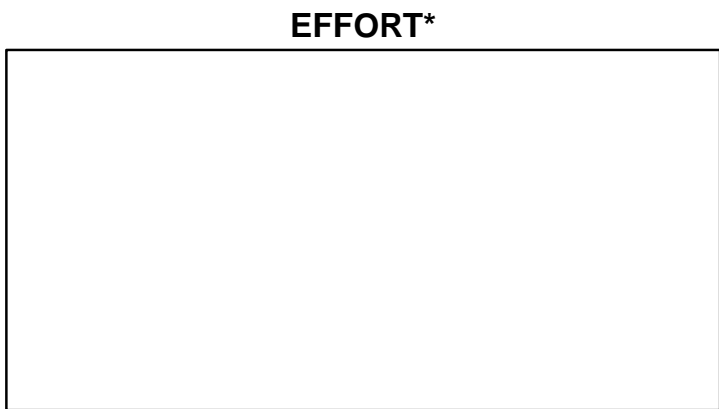
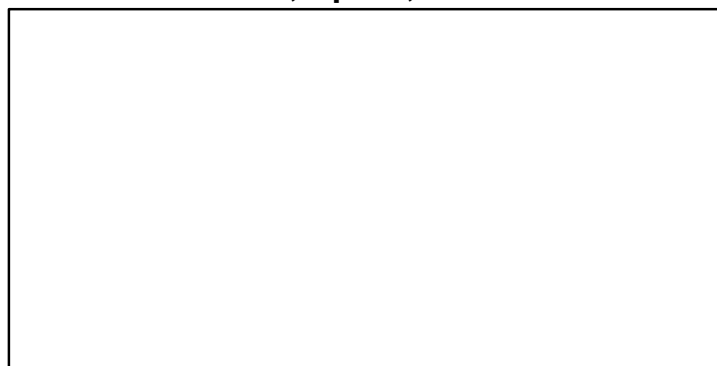
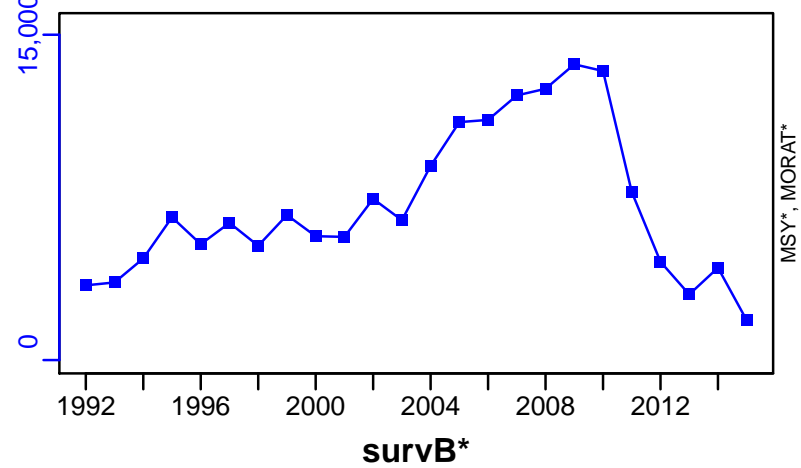
Recruits*



Norway lobster Fladen Ground (FU 7) [NEPHFU7]

TL-MT, TC*, RecC* (1992–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



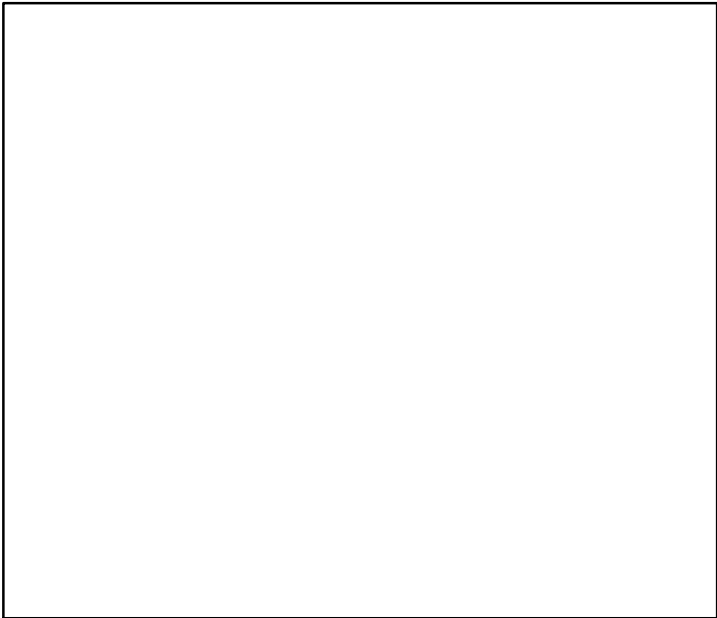
Norway lobster Firth of Forth (FU 8) [NEPHFU8]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGNSSK-NEPHFU8-1993-2016-ICESIMP2016
Area	Firth of Forth (FU 8)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2015, 2016

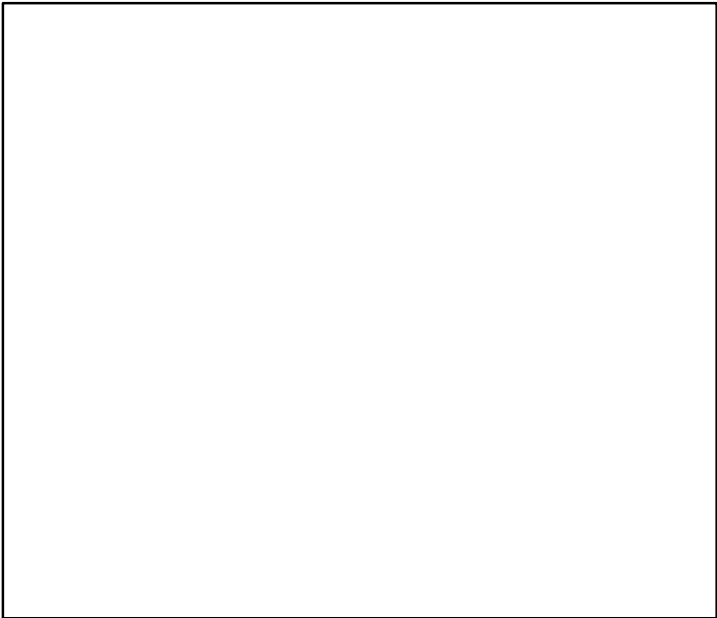
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2016	0.163
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2016	0.163
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2016	0.168	-	-
TC	-	-	-		
TL	TL-MT	2016	1890		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2016	1.031		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

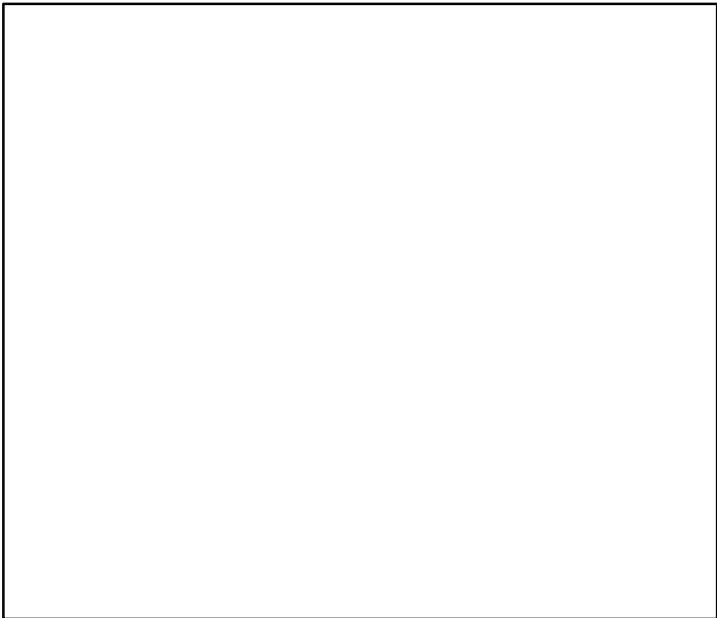
Kobe MSY*



Kobe MGT*



Spawner Recruit*



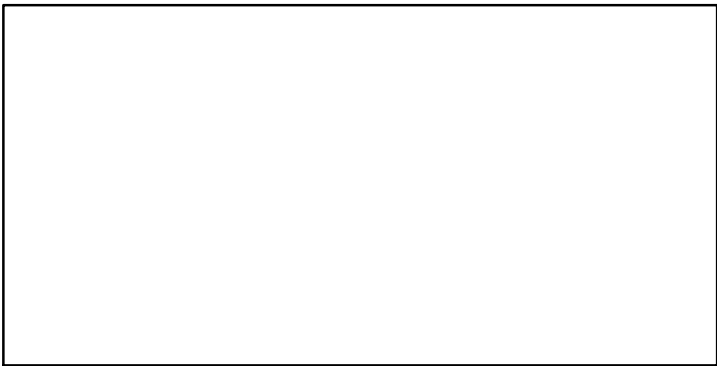
Production*



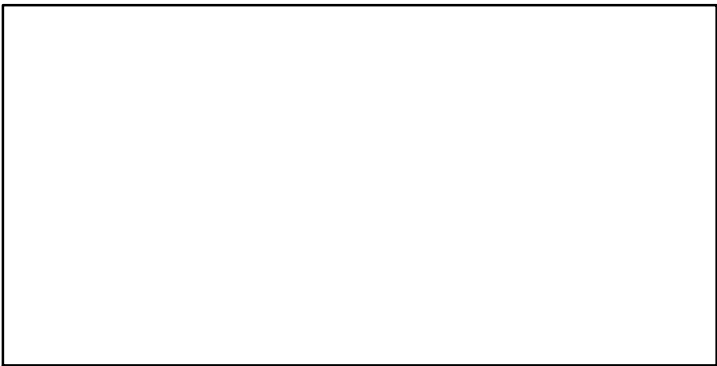
◆ Start Year ◆ End Year * No Data

Norway lobster Firth of Forth (FU 8) [NEPHFU8]

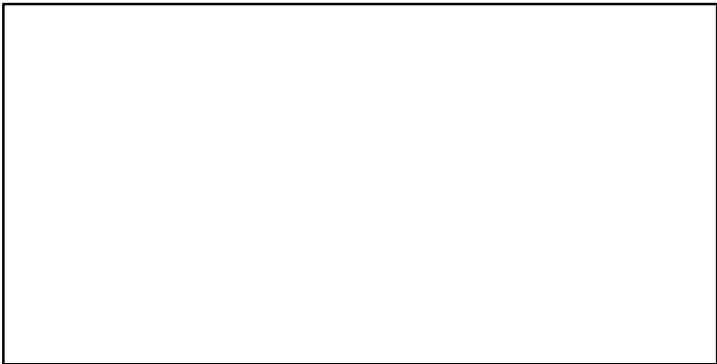
TB*



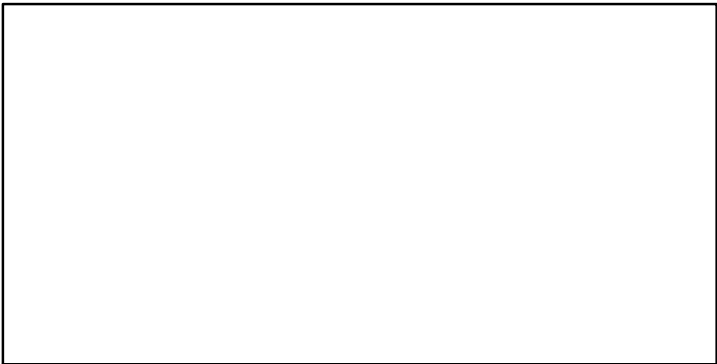
SSB*



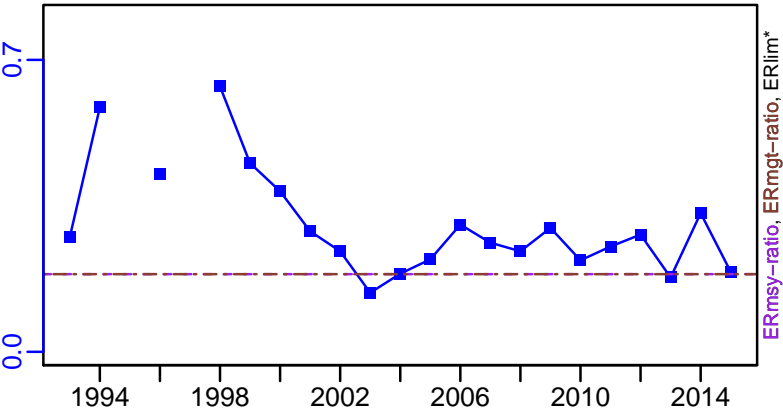
TN *



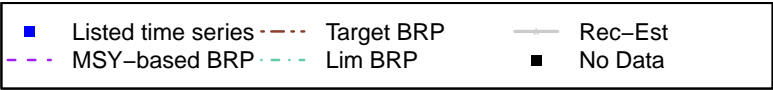
F*



ER-ratio (1993–2016–ICESIMP2016)

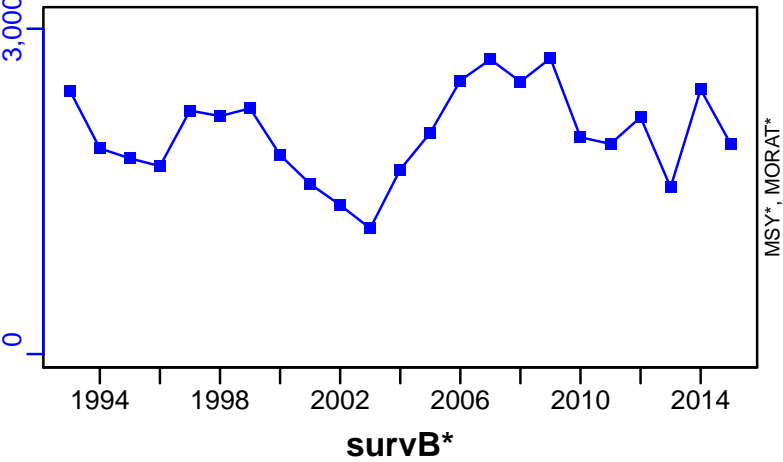


Recruits*



Norway lobster Firth of Forth (FU 8) [NEPHFU8]

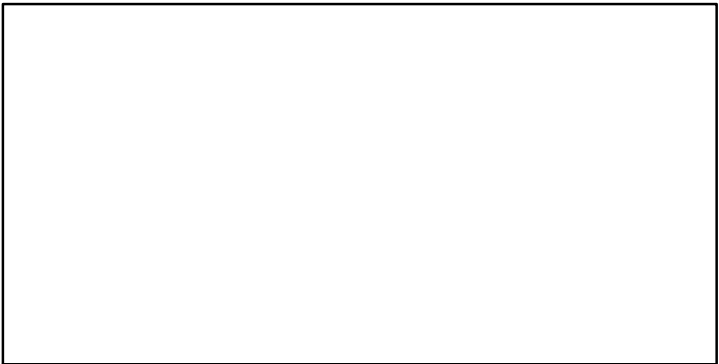
TL-MT, TC*, RecC* (1993–2016–ICESIMP2016)



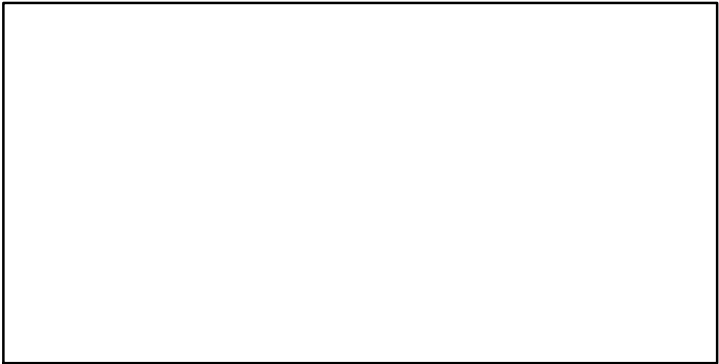
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*

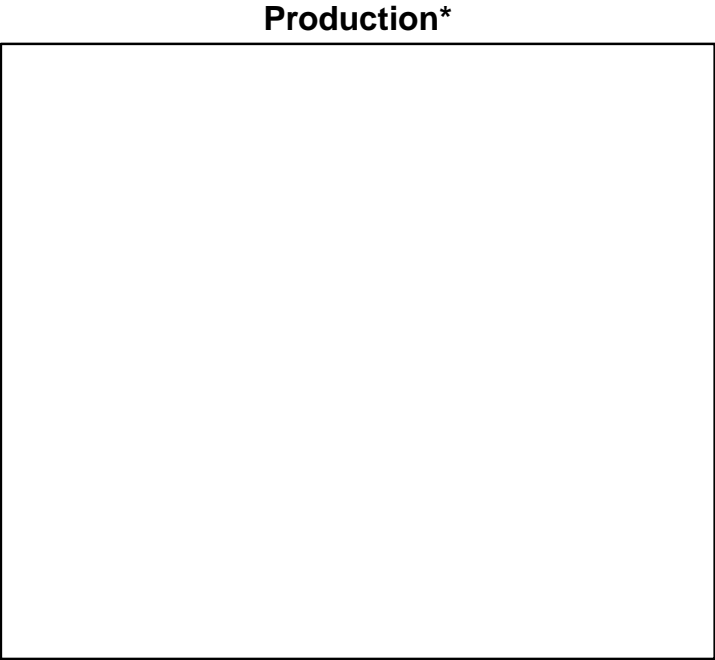
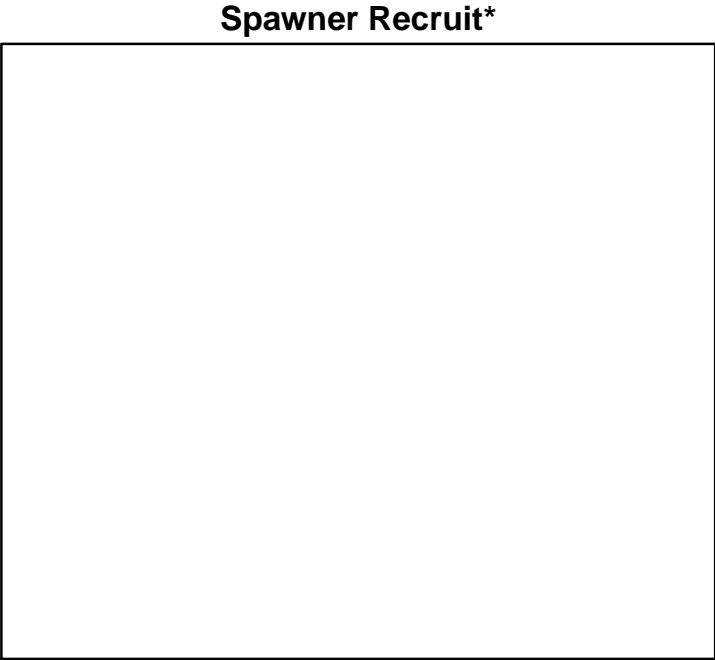
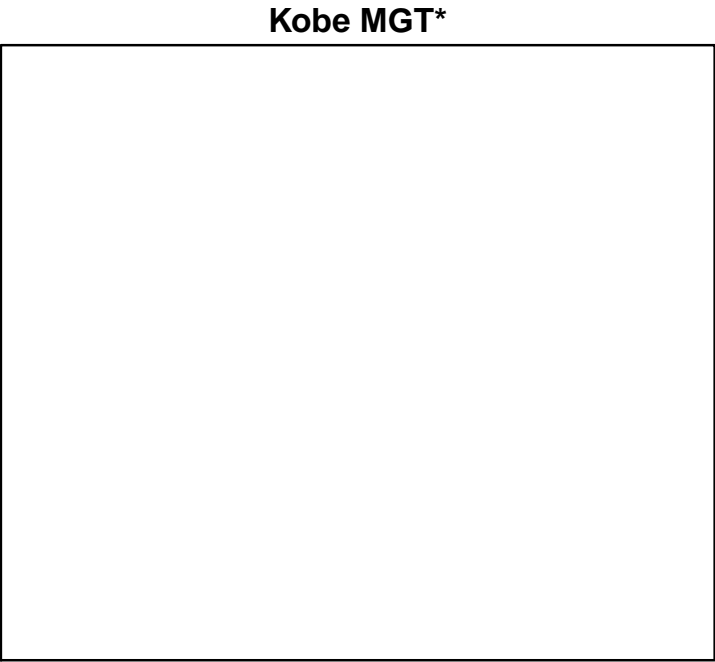
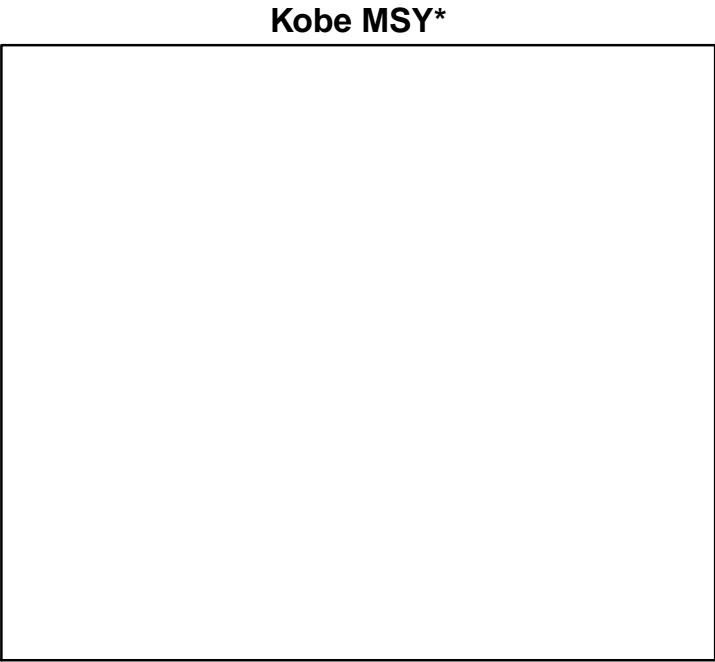


Norway lobster Moray Firth (FU 9) [NEPHFU9]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	WGNSSK-NEPHFU9-1993-2016-ICESIMP2016
Area	Moray Firth (FU 9)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2016	0.118
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2016	0.118
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

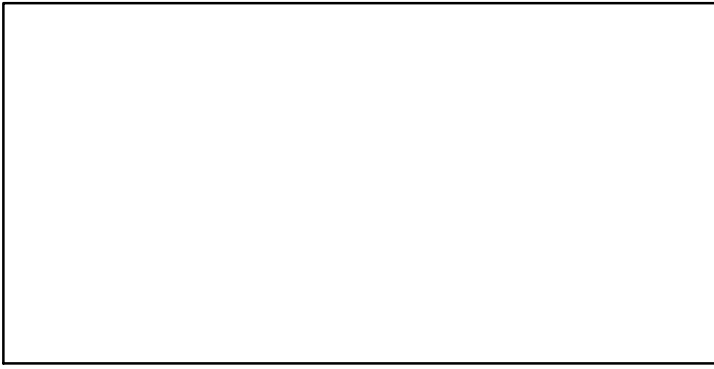
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2016	0.091	-	-
TC	-	-	-		
TL	TL-MT	2016	830		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2016	0.771		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



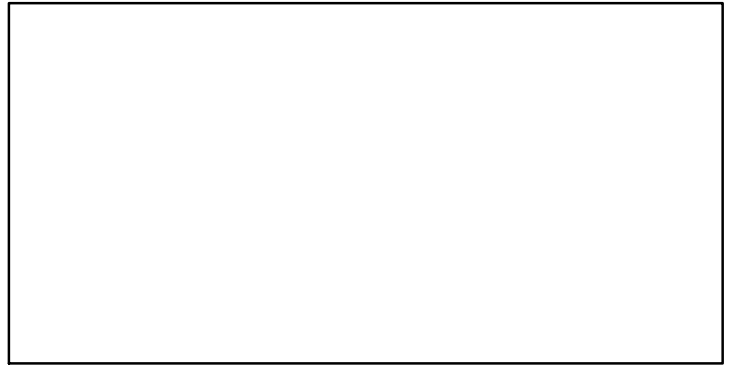
◆ Start Year ♦ End Year * No Data

Norway lobster Moray Firth (FU 9) [NEPHFU9]

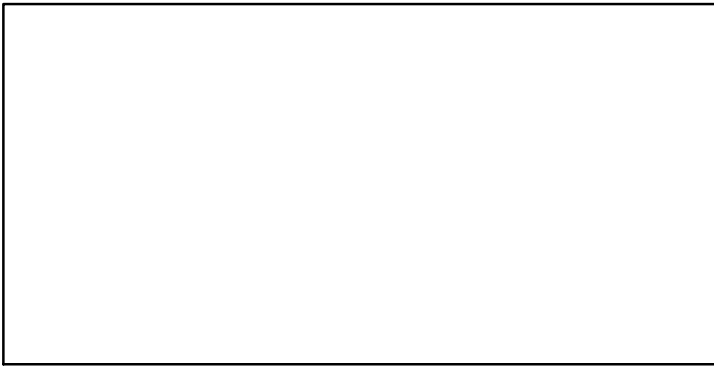
TB*



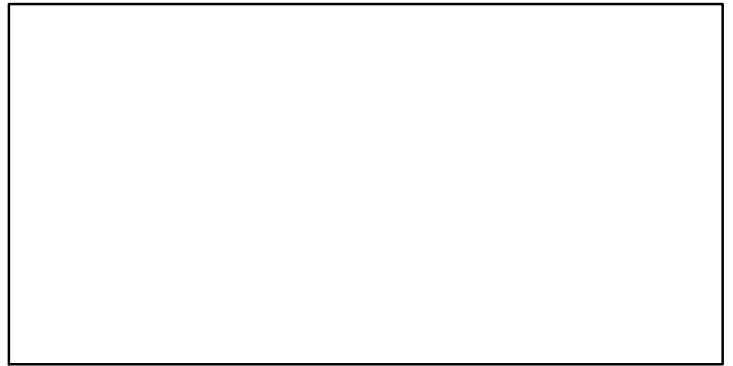
SSB*



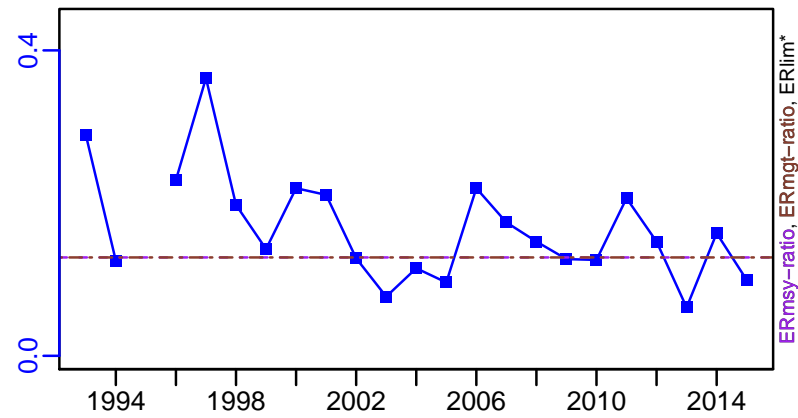
TN *



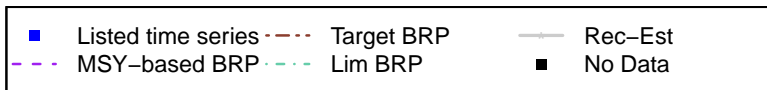
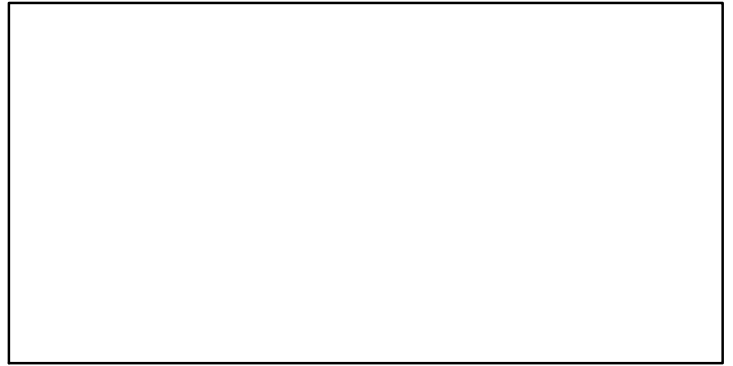
F*



ER-ratio (1993–2016–ICESIMP2016)



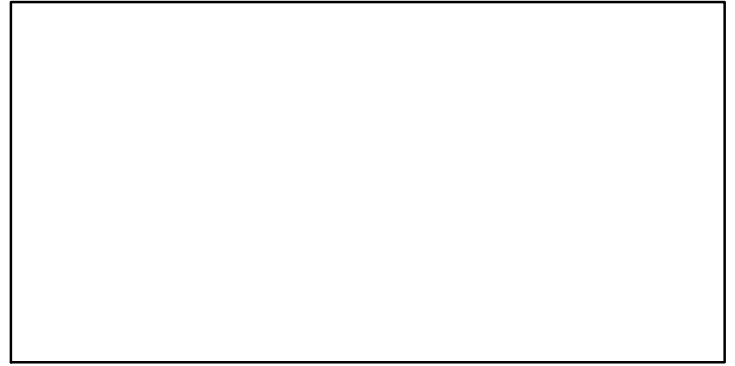
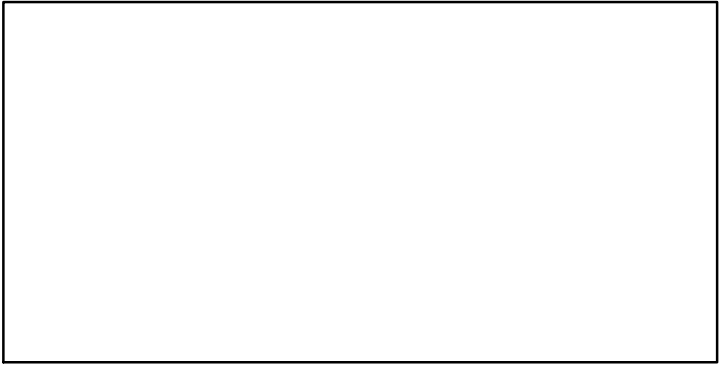
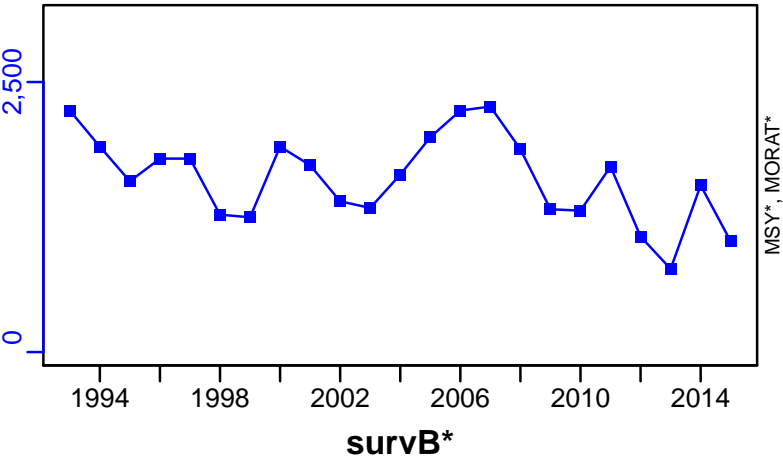
Recruits*



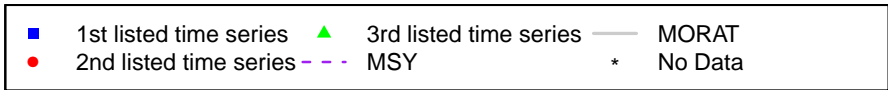
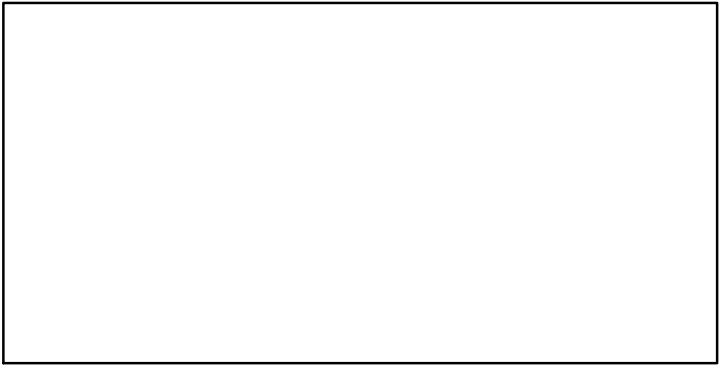
Norway lobster Moray Firth (FU 9) [NEPHFU9]

TL-MT, TC*, RecC* (1993-2016-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Norway pout IIIa and North Sea [NPOUTIIIa-IV]

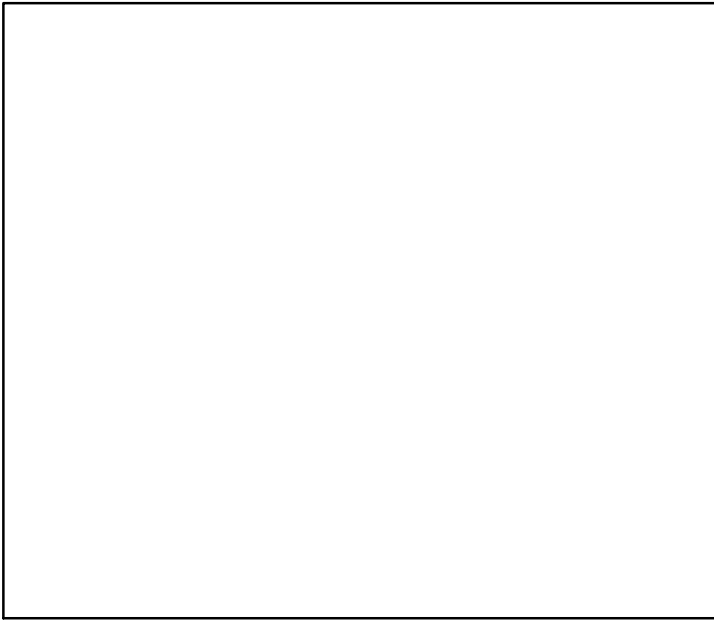
Metadata	
Scientific Name	Trisopterus esmarkii
Current Assess ID	WGNSSK-NPOUTIIIa-IV-1983-2014-ICESIMP2016
Area	IIIa and North Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2011, 2013, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2014	150,000
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	TBlim-MT	2011	1×10^5
SSBlim	SSBlim-MT	2014	90,000
Flim	-	-	-
ERlim	-	-	-

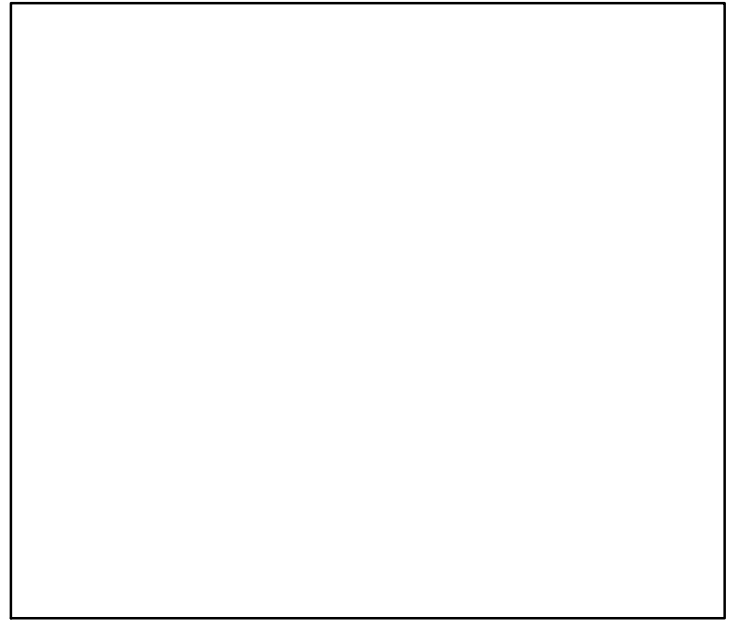
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	646,000	Both	-
SSB	SSB-MT	2014	274,000	Both	-
TN	-	-	-	-	-
R	R-E00	2014	2.5×10^{10}	-	0
F	F-1/yr	2014	0.406	-	1 to 2
ER	ER-calc-ratio	2014	0.127	-	-
TC	-	-	-		
TL	TL-MT	2014	82,100		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	1.826		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Norway pout IIIa and North Sea [NPOUTIIIa-IV]

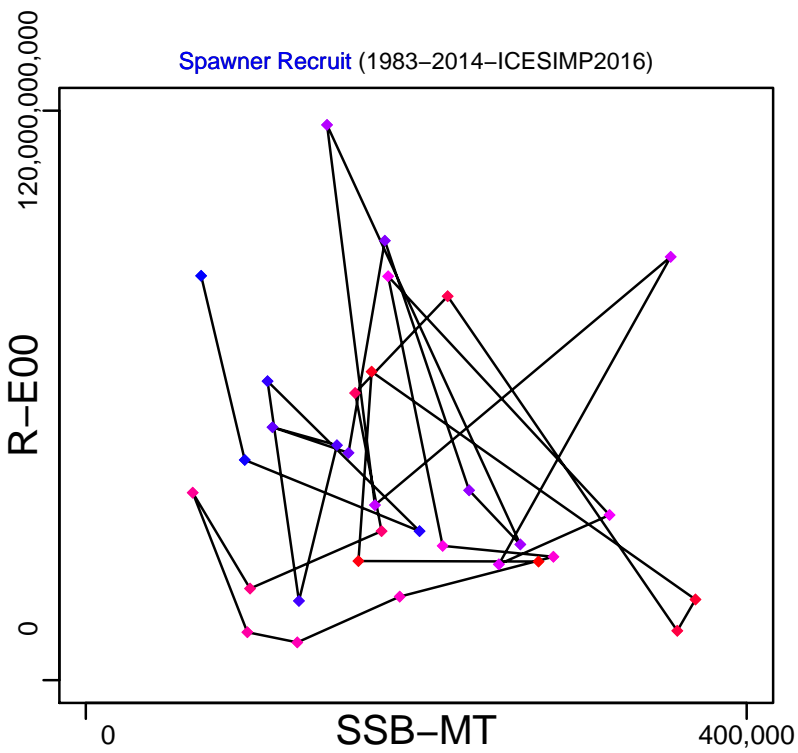
Kobe MSY*



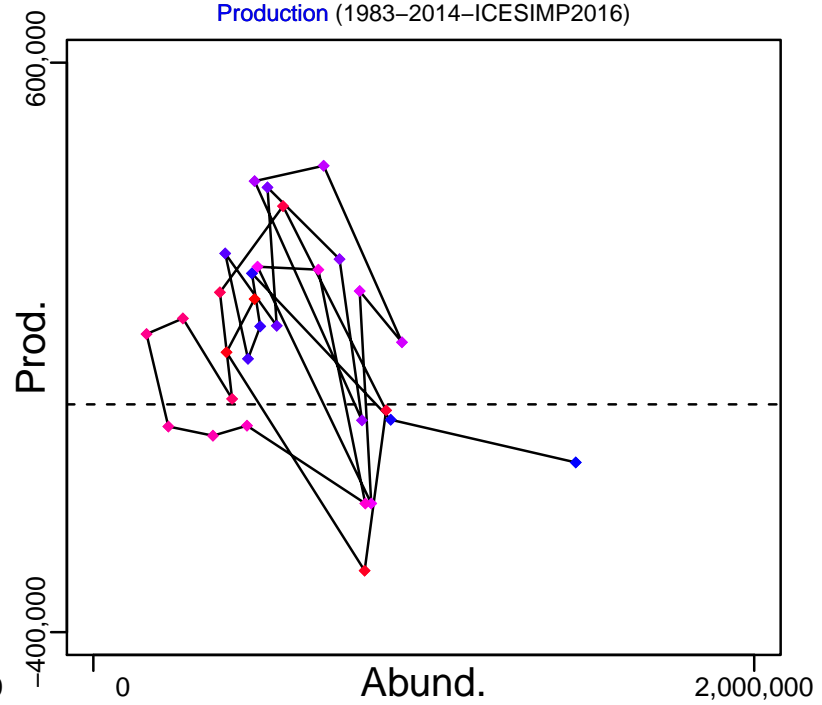
Kobe MGT*



Spawner Recruit (1983–2014–ICESIMP2016)



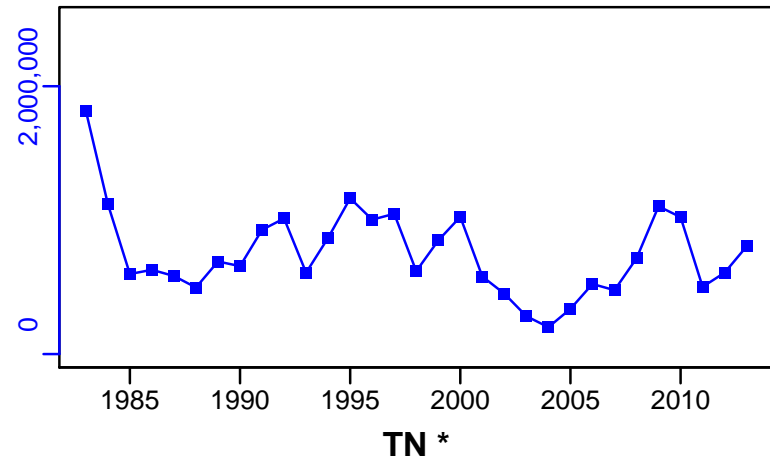
Production (1983–2014–ICESIMP2016)



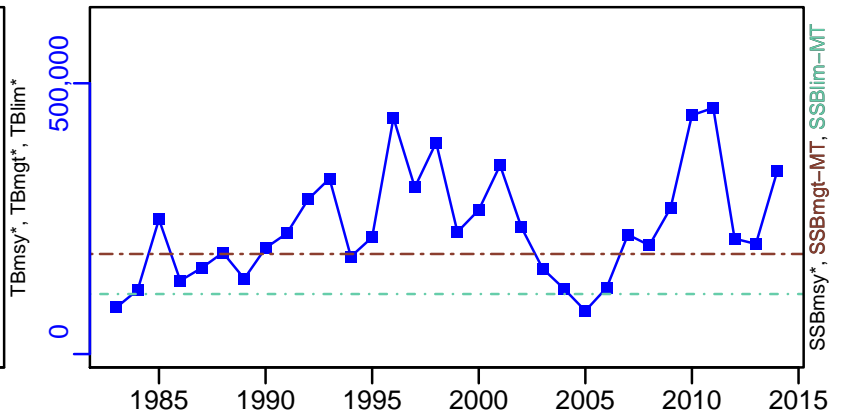
◆ Start Year ◆ End Year * No Data

Norway pout IIIa and North Sea [NPOUTIIIa-IV]

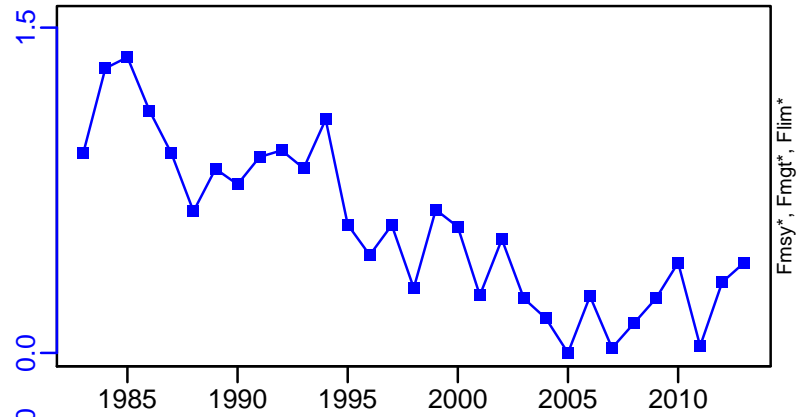
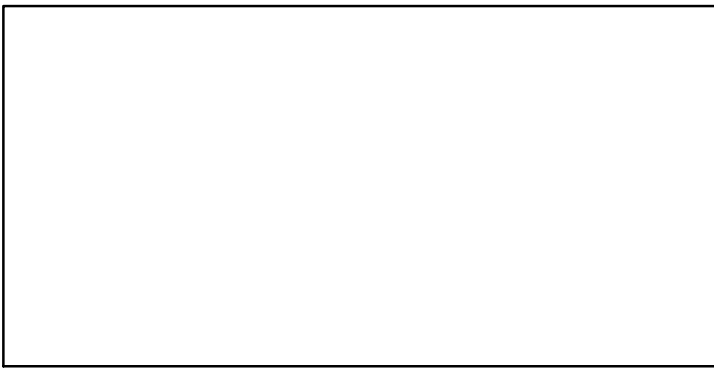
TB-MT (1983–2014–ICESIMP2016)



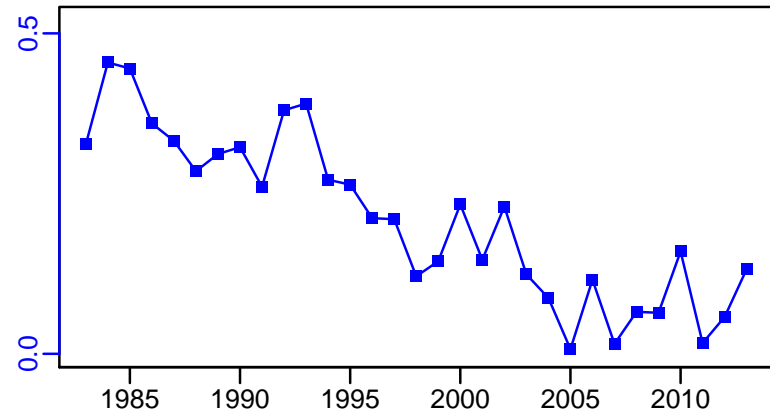
SSB-MT (1983–2014–ICESIMP2016)



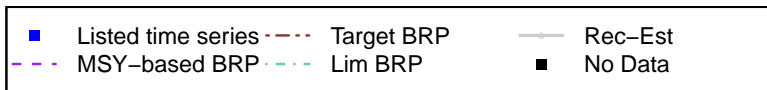
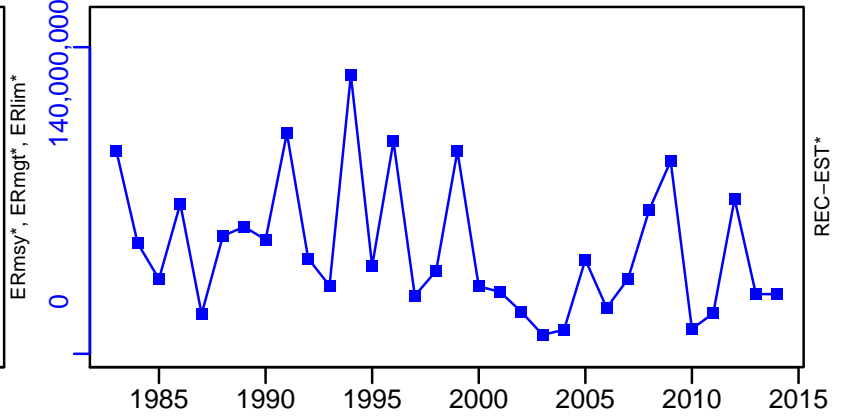
F-1/yr (1983–2014–ICESIMP2016)



ER-calc-ratio (1983–2014–ICESIMP2016)



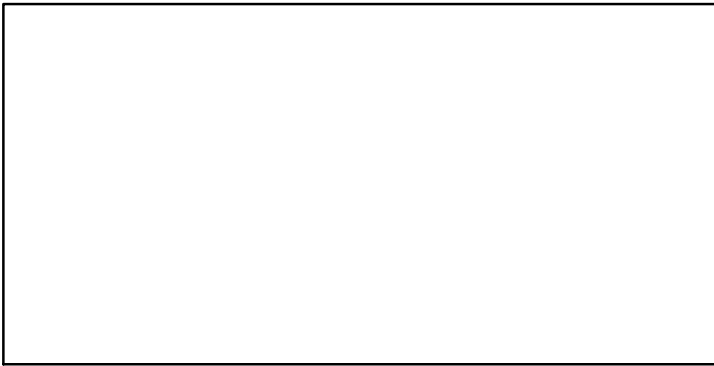
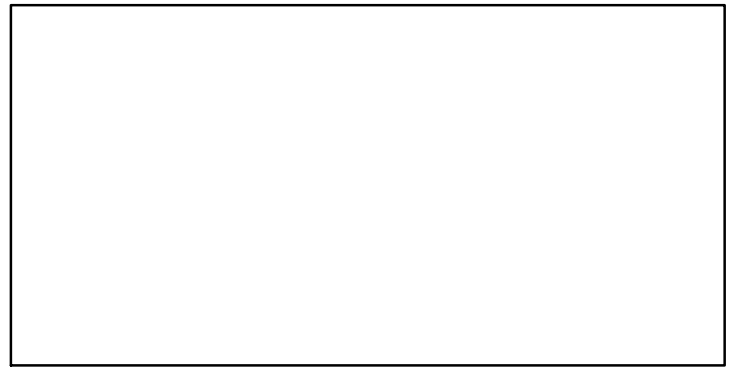
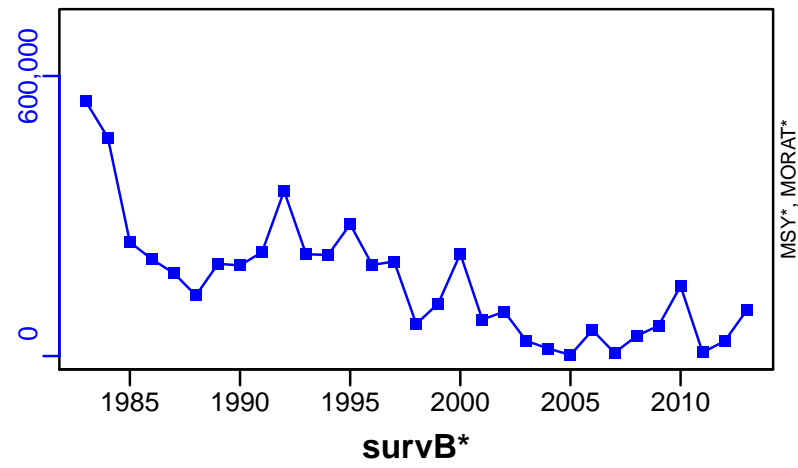
R-E00 (1983–2014–ICESIMP2016)



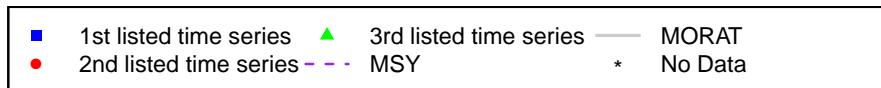
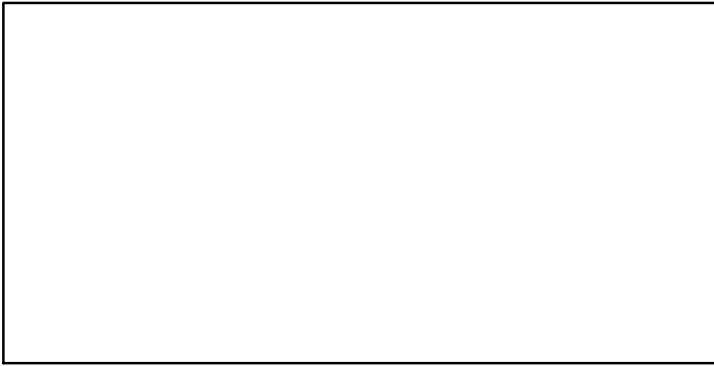
Norway pout IIIa and North Sea [NPOUTIIIa-IV]

TL-MT, TC*, RecC* (1983-2014-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



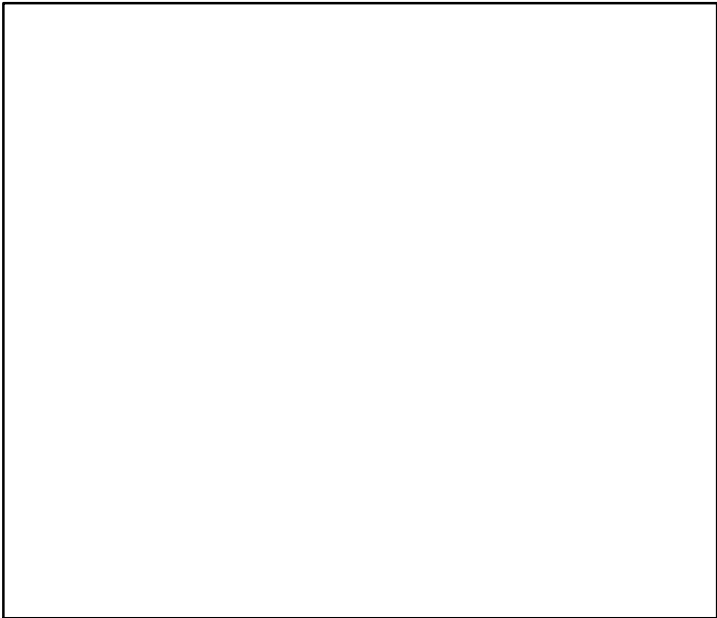
Orange roughy Northeast Atlantic [OROUGHYNEATL]

Metadata	
Scientific Name	Hoplostethus atlanticus
Current Assess ID	WGDEEP-OROUGHYNEATL-1988-2016-ICESIMP2016
Area	Northeast Atlantic
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2016

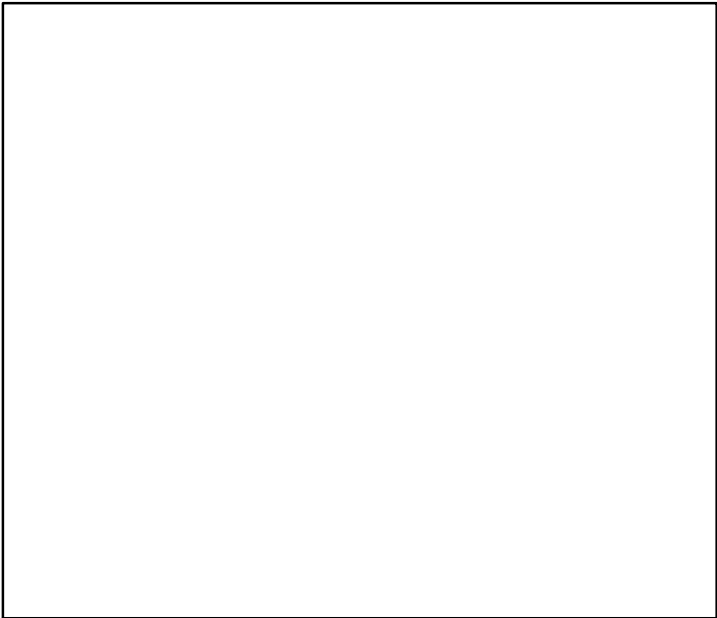
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	48		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

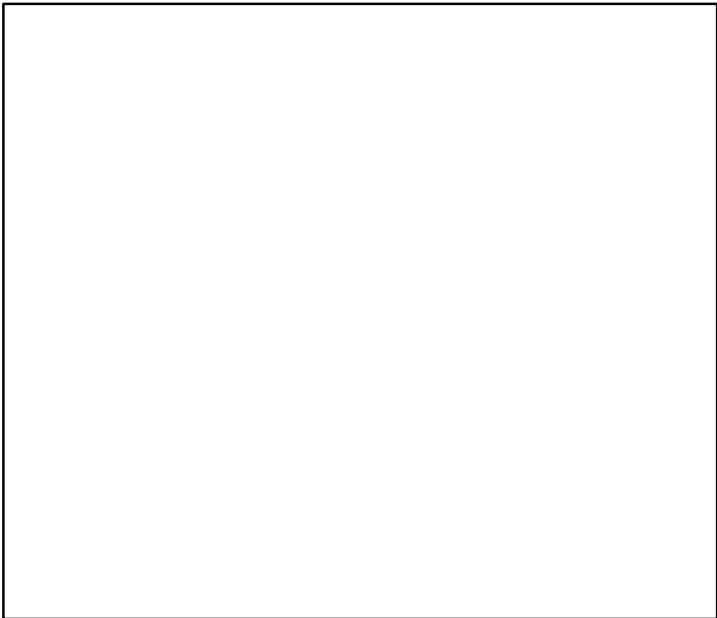
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Orange roughy Northeast Atlantic [OROUGHYNEATL]

TB*



SSB*



TN *



F*



ER*

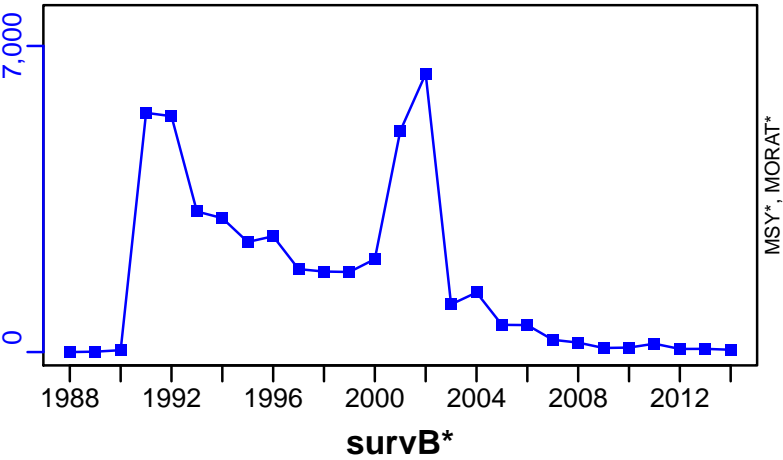


Recruits*



Orange roughy Northeast Atlantic [OROUGHYNEATL]

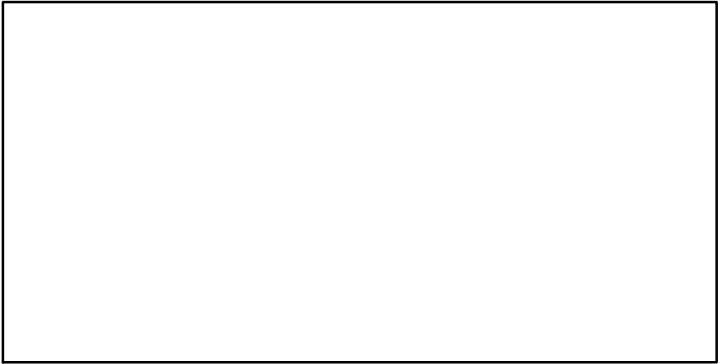
TL-MT, TC*, RecC* (1988-2016-ICESIMP2016)



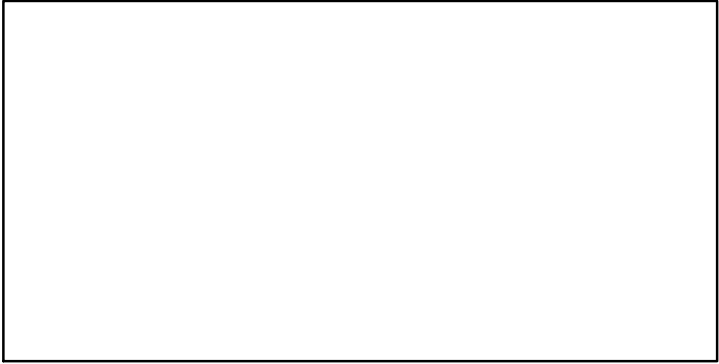
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Northern shrimp IIIa (west) and IVa (east) [PANDALIIIaW-IVaE]

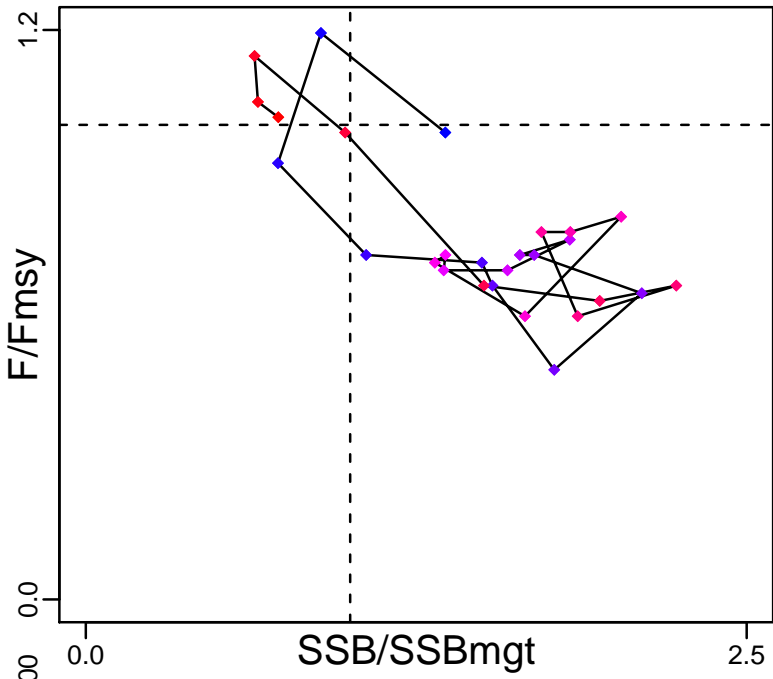
Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	NIPAG-PANDALIIIaW-IVaE-1988-2015-ICESIMP2016
Area	IIIa (west) and IVa (east)
Management Authority	International Council for the Exploration of the Sea
Assessor	Joint NAFO and ICES Pandalus Assessment Working Group
Asmts in RAM	2013, 2014, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2015	0.62
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2015	9900
Fmgt	Fmgt-1/yr	2015	0.62
ERMgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2015	6300
Flim	Flim-1/yr	2015	1
ERlim	-	-	-

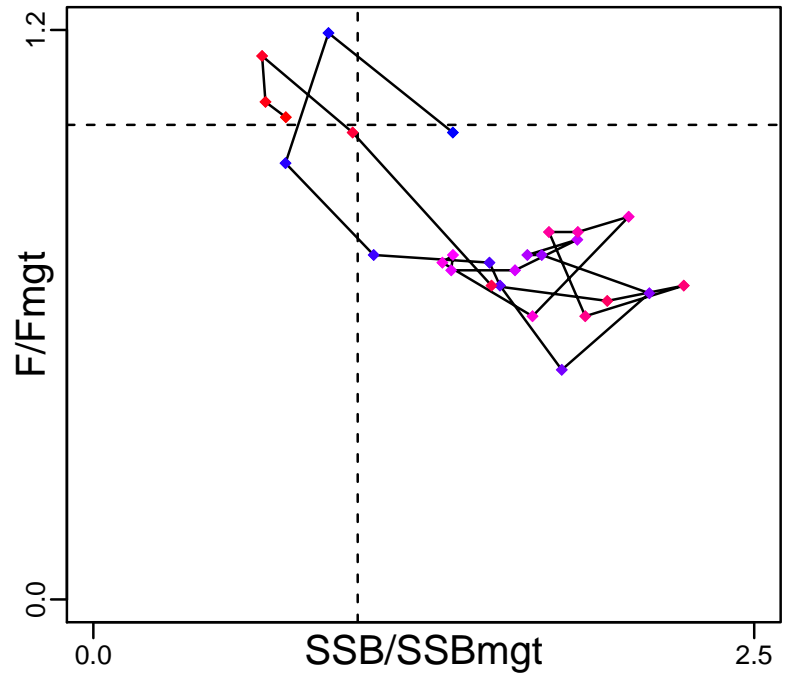
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	29,400	Both	-
SSB	SSB-MT	2015	12,300	Both	-
TN	-	-	-	-	-
R	R-E00	2015	8.59×10^9	-	0
F	F-1/yr	2015	0.63	-	1 to 3
ER	ER-calc-ratio	2015	0.413	-	-
TC	TC-MT	2015	12,100		
TL	TL-MT	2015	9950		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2014	1.1		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	1.016		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	1.239		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	1.016		
ER/ERMgt	-	-	-		

Northern shrimp IIIa (west) and IVa (east) [PANDALIIIaW-IVaE]

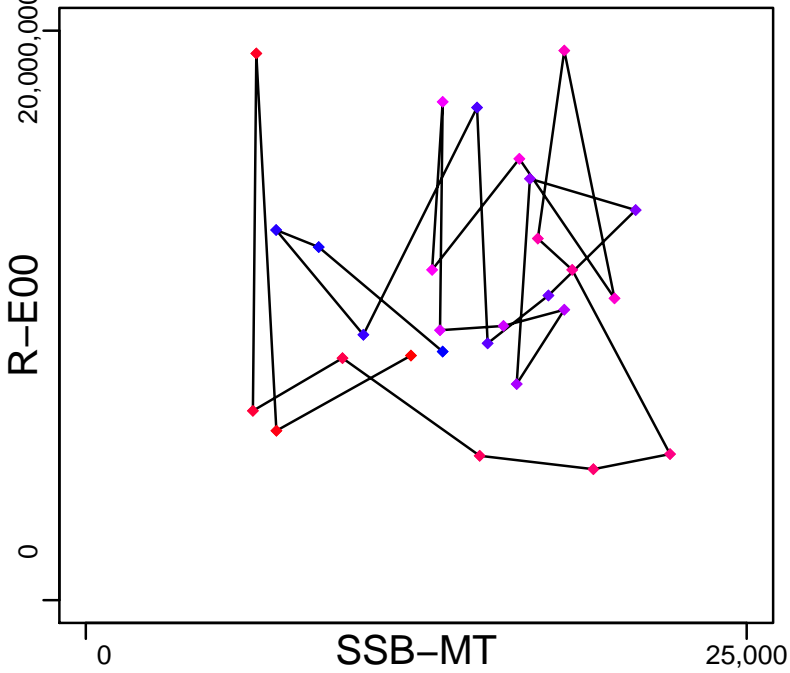
Kobe MSYpref (1988–2015–ICESIMP2016)



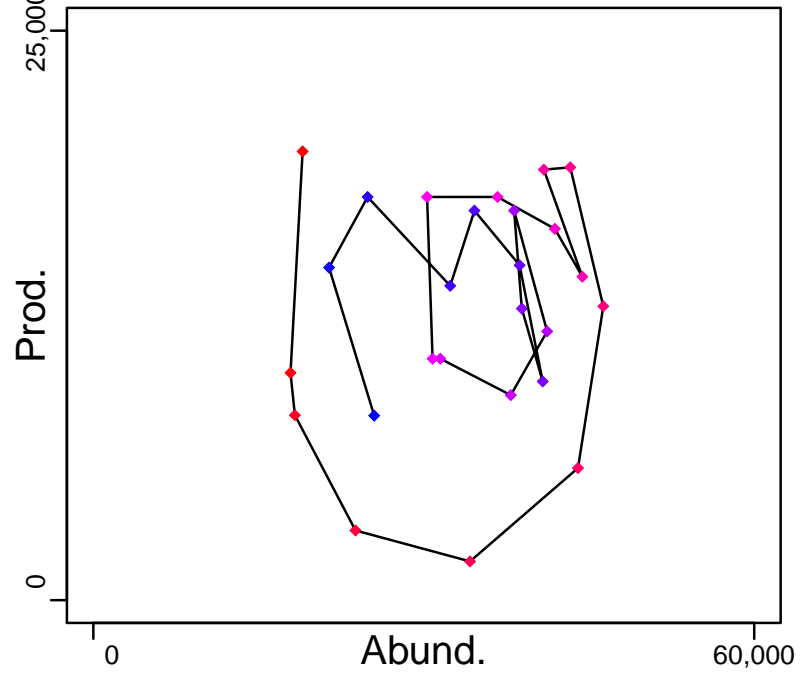
Kobe MGTpref (1988–2015–ICESIMP2016)



Spawner Recruit (1988–2015–ICESIMP2016)



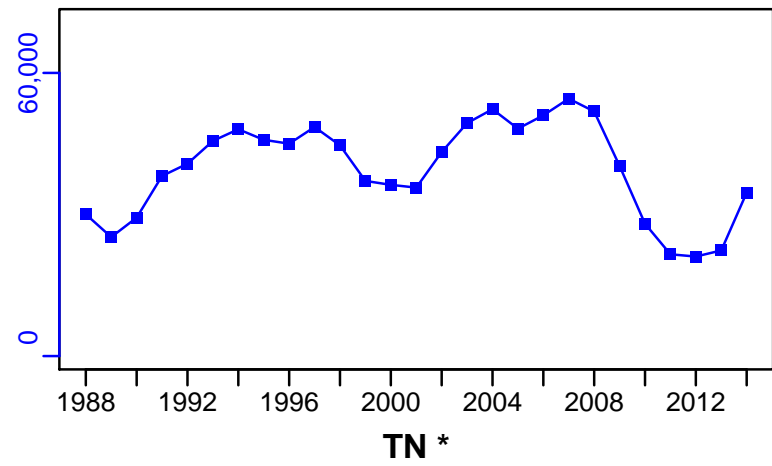
Production (1988–2015–ICESIMP2016)



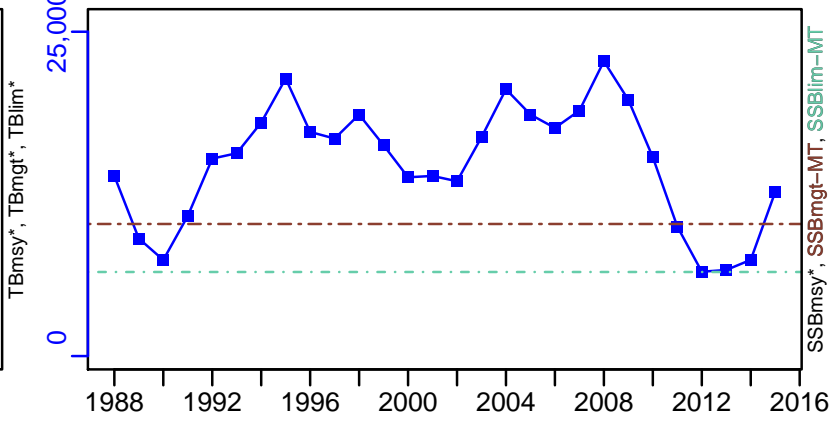
◆ Start Year ◆ End Year * No Data

Northern shrimp IIIa (west) and IVa (east) [PANDALIIIaW-IVaE]

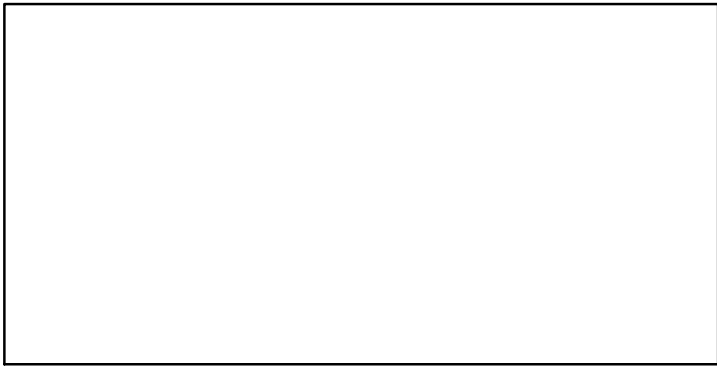
TB-MT (1988–2015–ICESIMP2016)



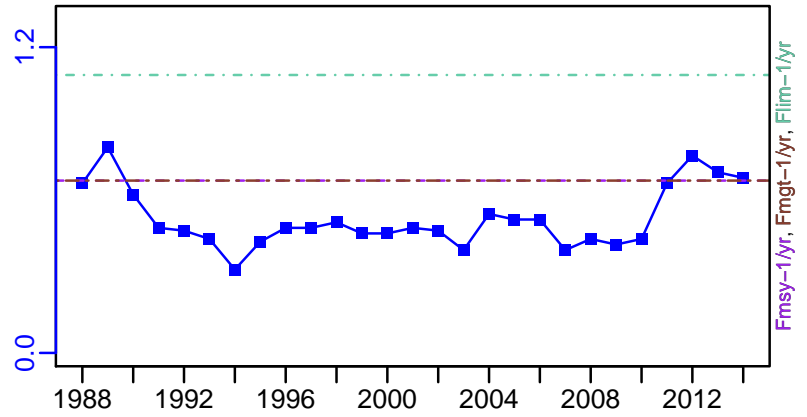
SSB-MT (1988–2015–ICESIMP2016)



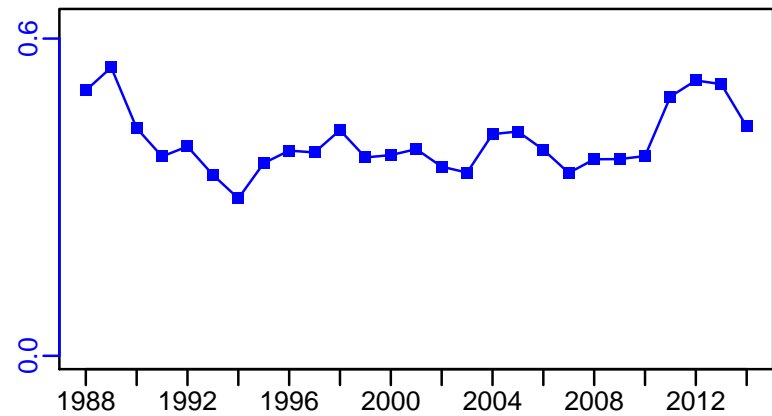
TN *



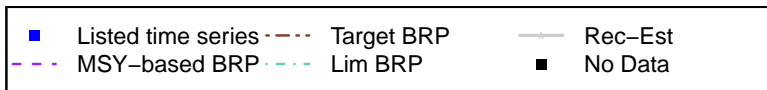
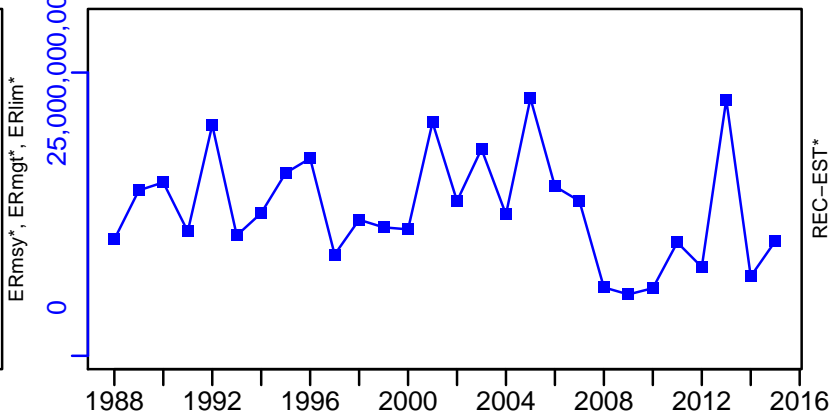
F-1/yr (1988–2015–ICESIMP2016)



ER-calc-ratio (1988–2015–ICESIMP2016)



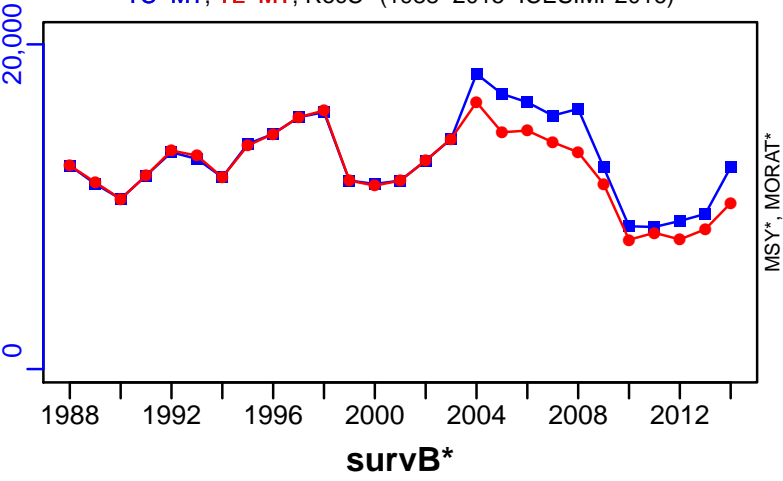
R-E00 (1988–2015–ICESIMP2016)



Northern shrimp IIIa (west) and IVa (east) [PANDALIIIaW-IVaE]

TC-MT, TL-MT, RecC* (1988-2015-ICESIMP2016)

TAC*, Cpair*, Cadv*



MSY*, MORAT*

CPUE*

EFFORT*

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

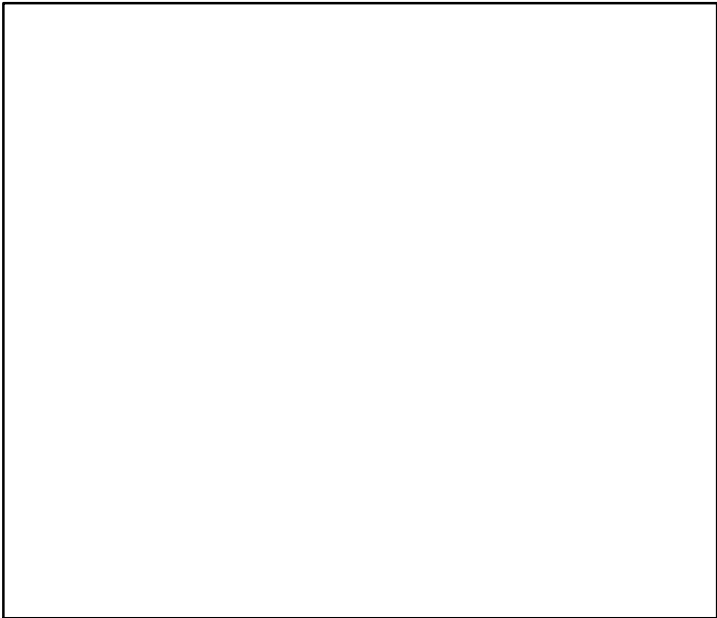
Northern shrimp Northern North Sea [PANDALIVa]

Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	NIPAG-PANDALIVa-1970-2015-ICESIMP2016
Area	Northern North Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Joint NAFO and ICES Pandalus Assessment Working Group
Asmts in RAM	2015

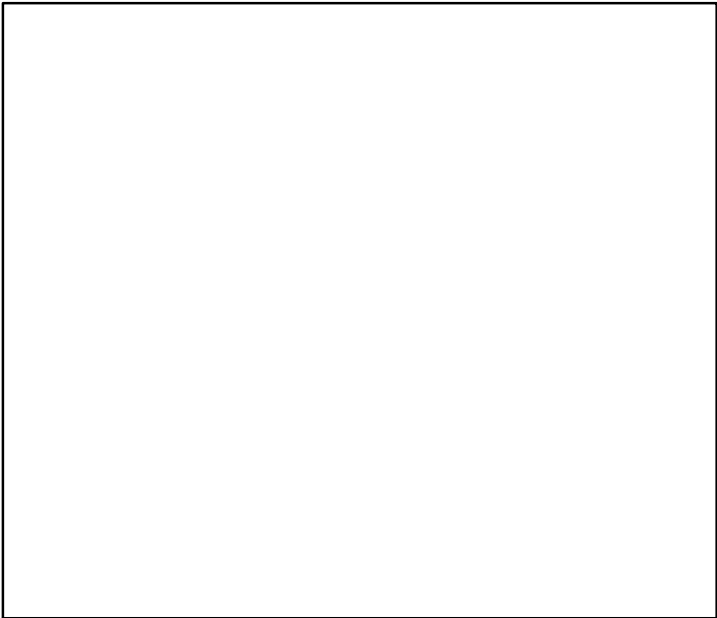
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	0		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

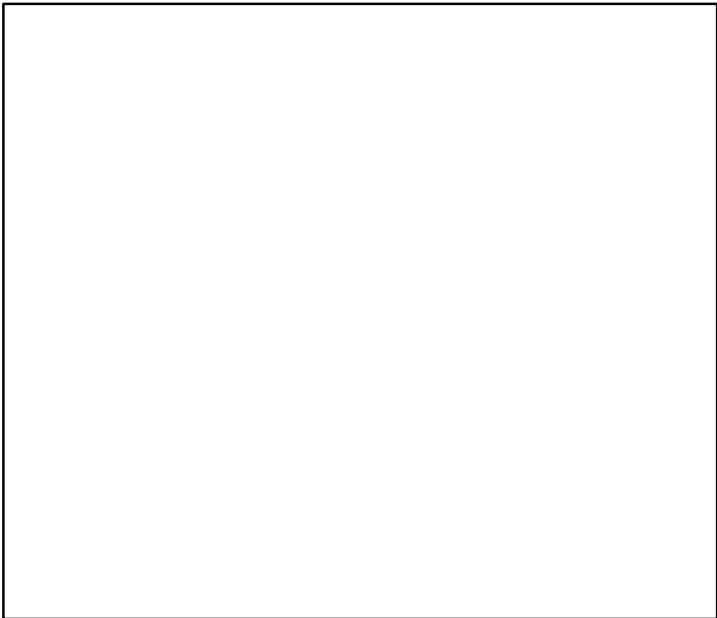
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*

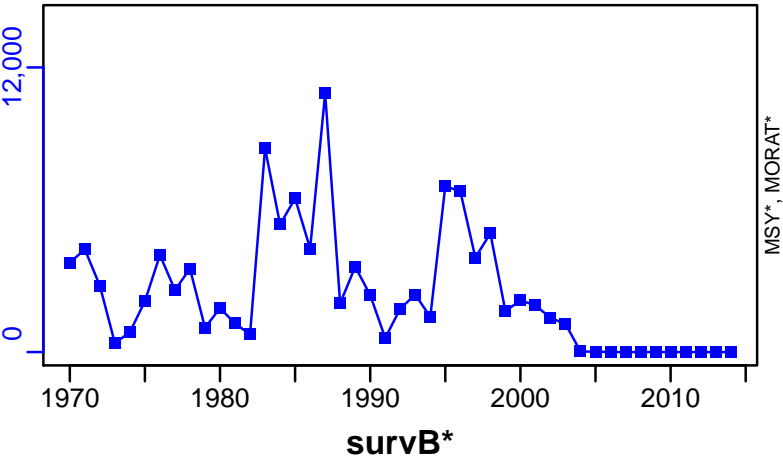


Recruits*



Northern shrimp Northern North Sea [PANDALIVa]

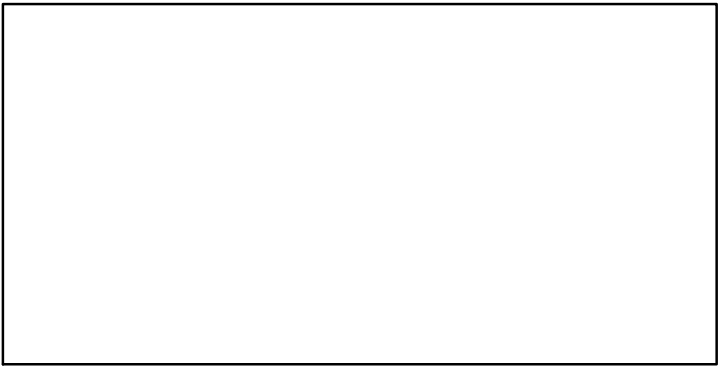
TL-MT, TC*, RecC* (1970-2015-ICESIMP2016)



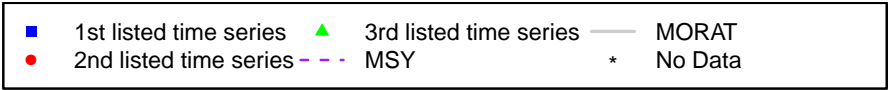
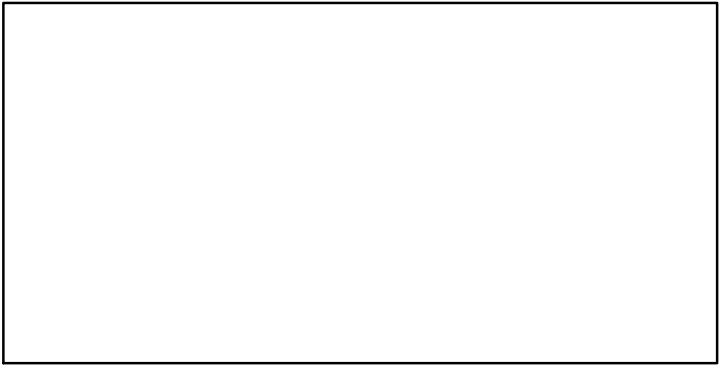
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



European Plaice Subdivisions 21-23 [PLAIC2123]

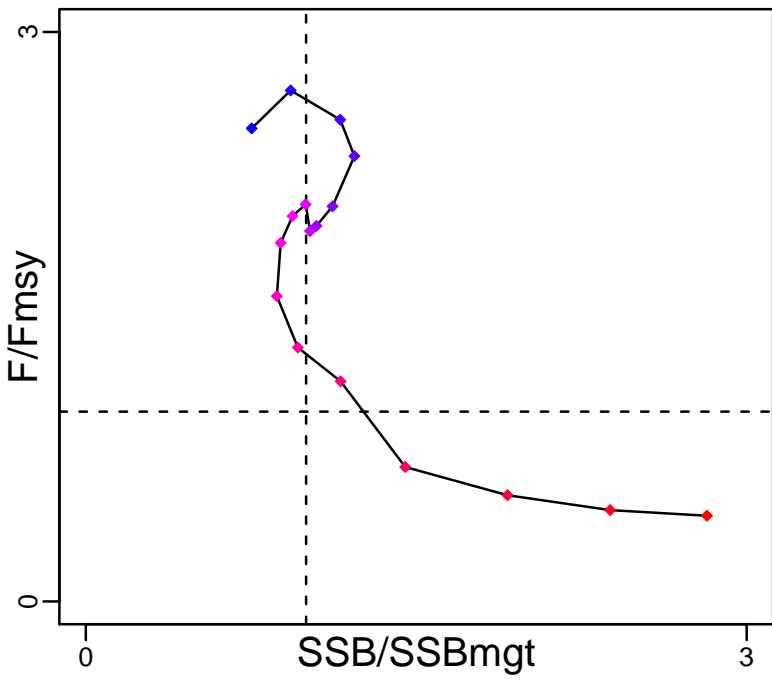
Metadata	
Scientific Name	Pleuronectes platessa
Current Assess ID	WGBFAS-PLAIC2123-1998-2016-ICESIMP2016
Area	Subdivisions 21-23
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.37
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	5553
Fmgt	Fmgt-1/yr	2016	0.37
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	4077
Flim	Flim-1/yr	2016	1.01
ERlim	-	-	-

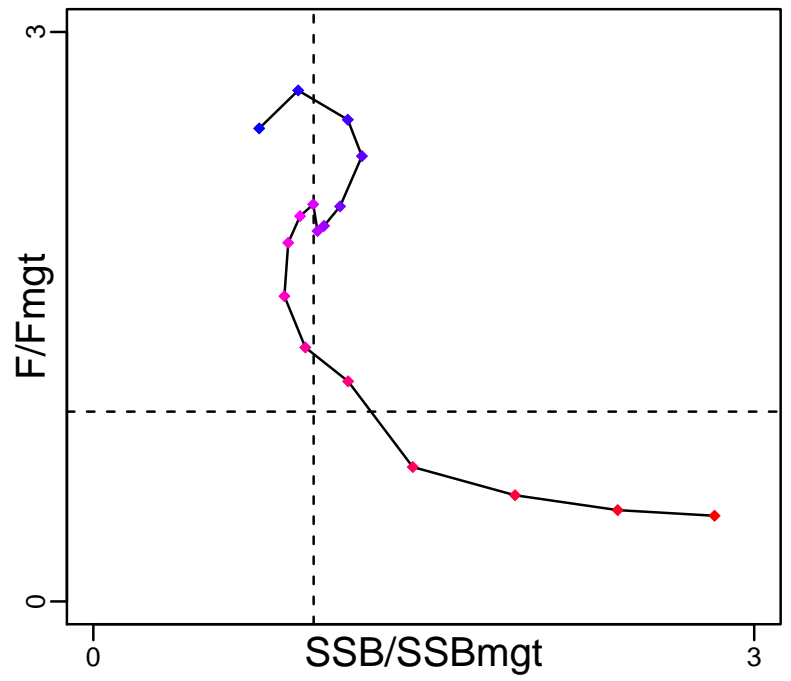
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	19,100	Both	-
SSB	SSB-MT	2016	17,900	Both	-
TN	-	-	-	-	-
R	R-E00	2016	3.4×10^7	-	1
F	F-1/yr	2016	0.167	-	3 to 5
ER	ER-calc-ratio	2016	0.194	-	-
TC	TC-MT	2016	3710		
TL	TL-MT	2016	2690		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.451		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	3.219		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.451		
ER/ERmgt	-	-	-		

European Plaice Subdivisions 21–23 [PLAIC2123]

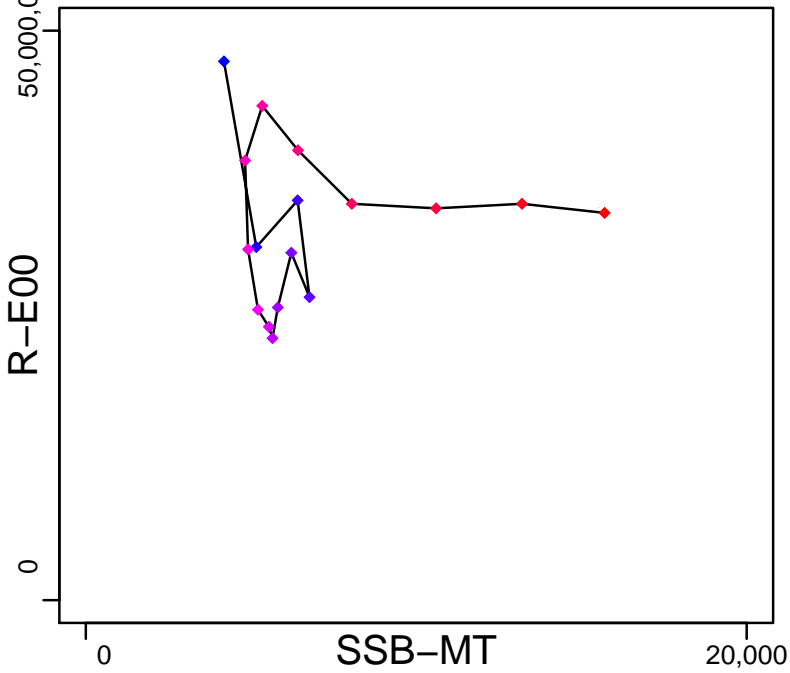
Kobe MSYpref (1998–2016–ICESIMP2016)



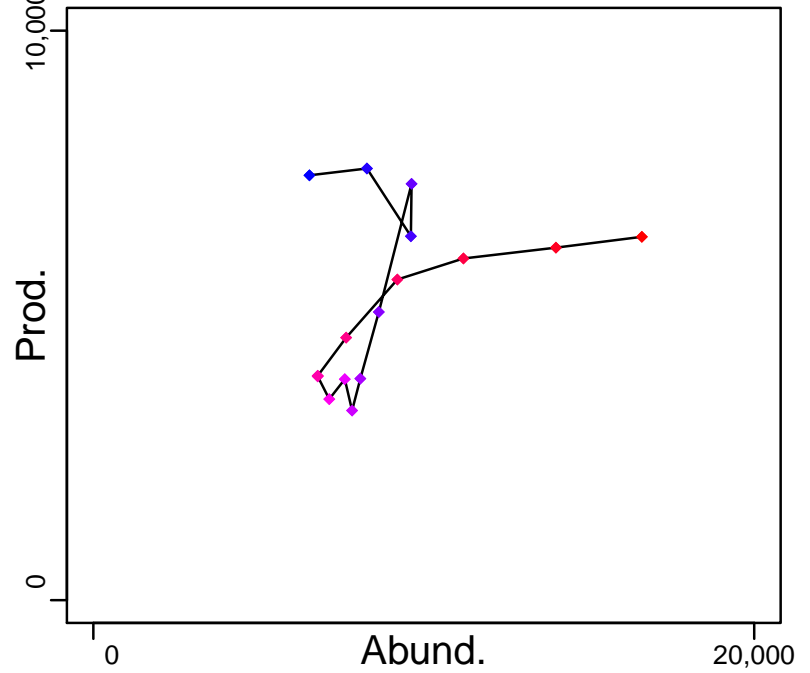
Kobe MGTpref (1998–2016–ICESIMP2016)



Spawner Recruit (1998–2016–ICESIMP2016)



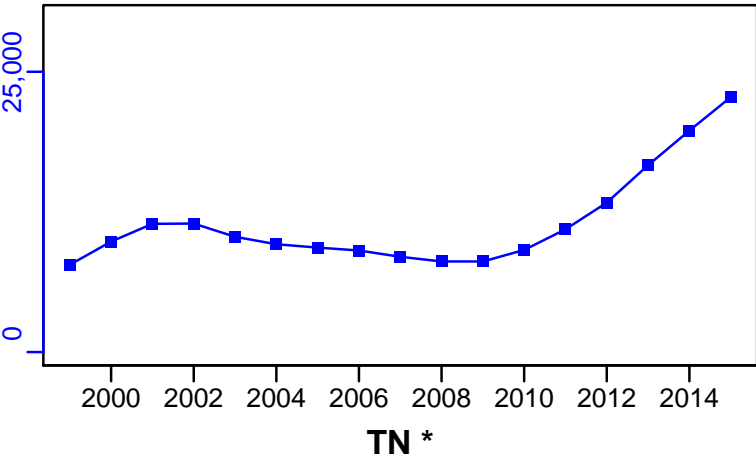
Production (1998–2016–ICESIMP2016)



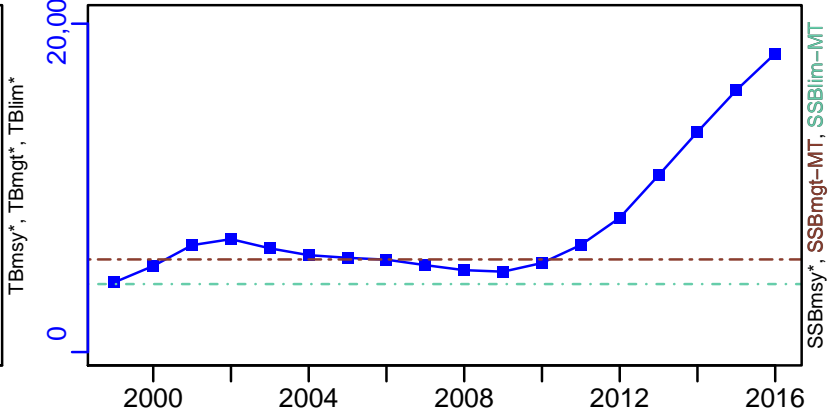
◆ Start Year ◆ End Year * No Data

European Plaice Subdivisions 21–23 [PLAIC2123]

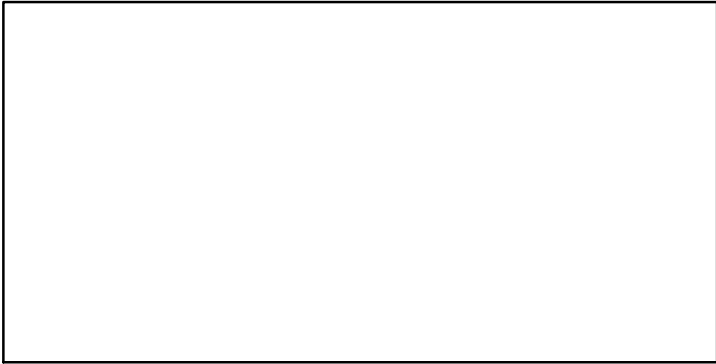
TB-MT (1998–2016–ICESIMP2016)



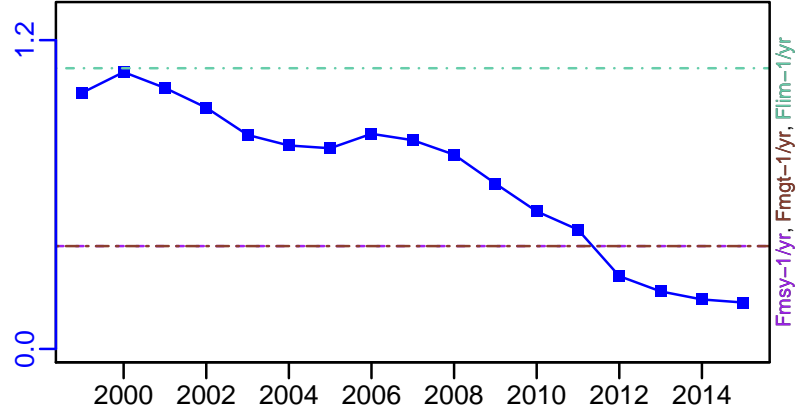
SSB-MT (1998–2016–ICESIMP2016)



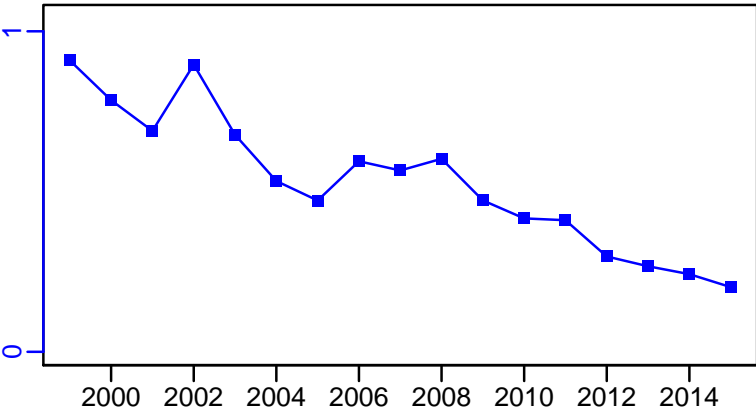
TN *



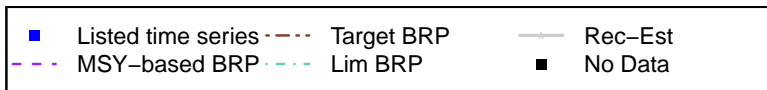
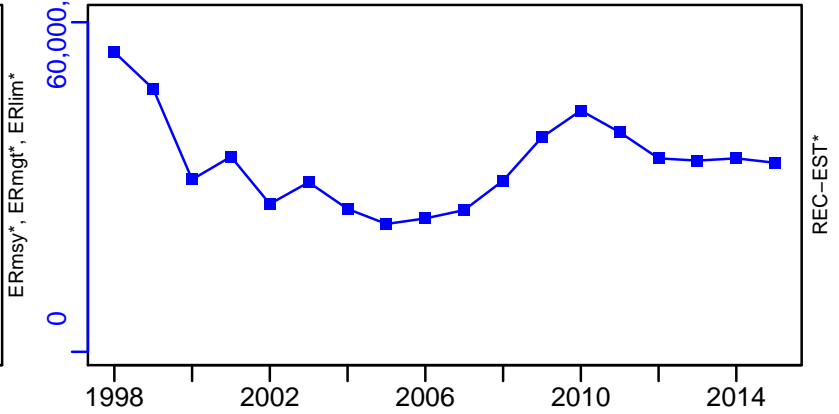
F-1/yr (1998–2016–ICESIMP2016)



ER-calc-ratio (1998–2016–ICESIMP2016)

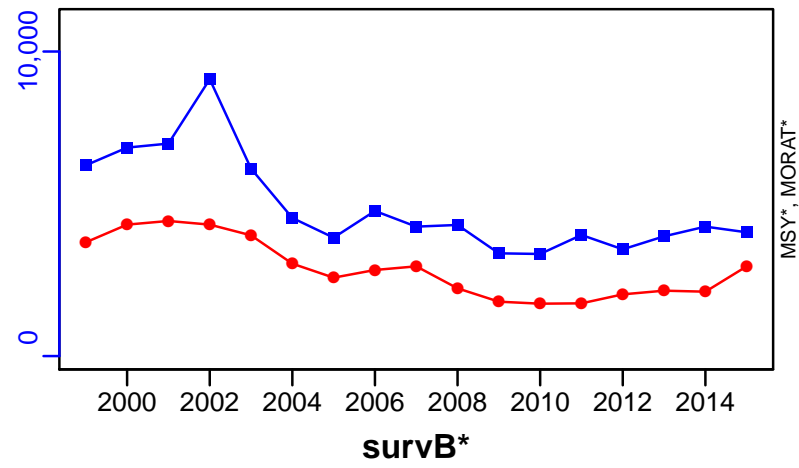


R-E00 (1998–2016–ICESIMP2016)



European Plaice Subdivisions 21–23 [PLAIC2123]

TC–MT, TL–MT, RecC* (1998–2016–ICESIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

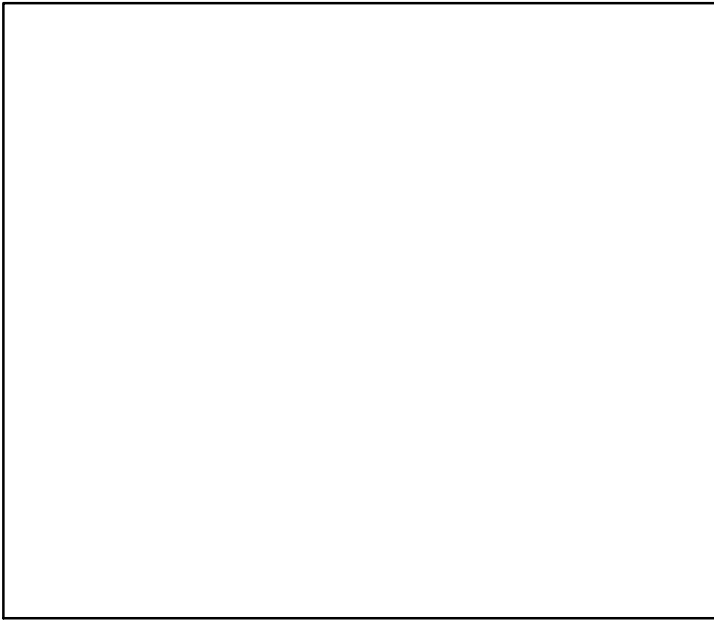
European Plaice Subdivisions 24-32 [PLAIC2432]

Metadata	
Scientific Name	Pleuronectes platessa
Current Assess ID	WGBFAS-PLAIC2432-2001-2015-ICESIMP2016
Area	Subdivisions 24-32
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2015

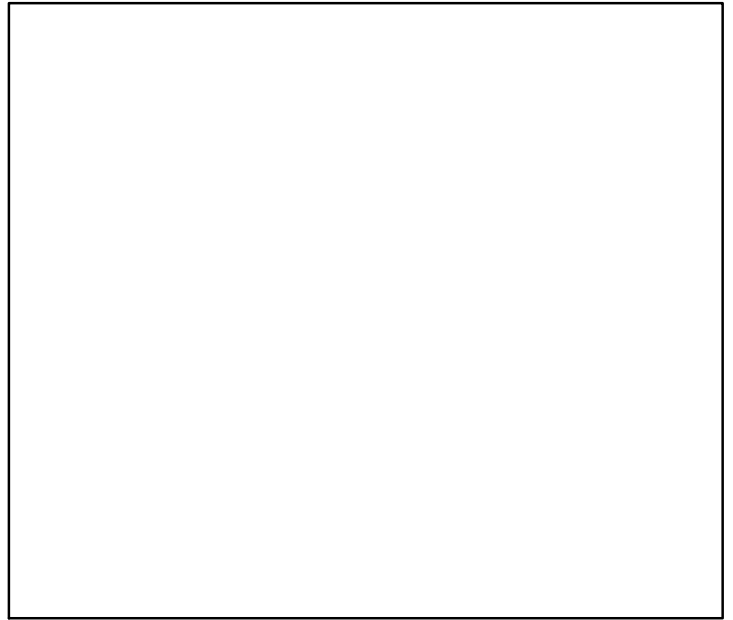
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-relative	2015	2.23	Both	-
TN	-	-	-	-	-
R	R-relative	2015	2.03	-	1
F	F-relative	2015	0.883	-	2 to 5
ER	-	-	-	-	-
TC	TC-MT	2015	1010		
TL	TL-MT	2015	534		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

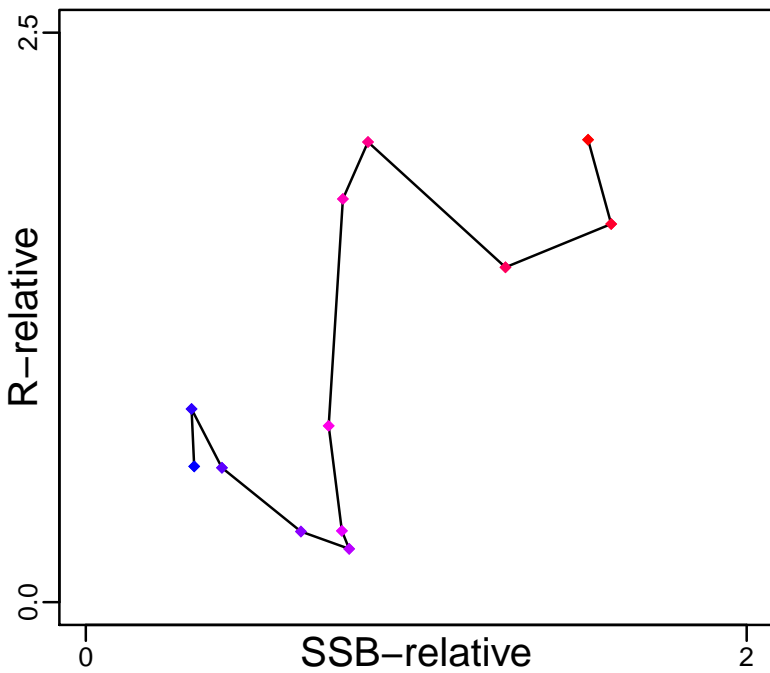
Kobe MSY*



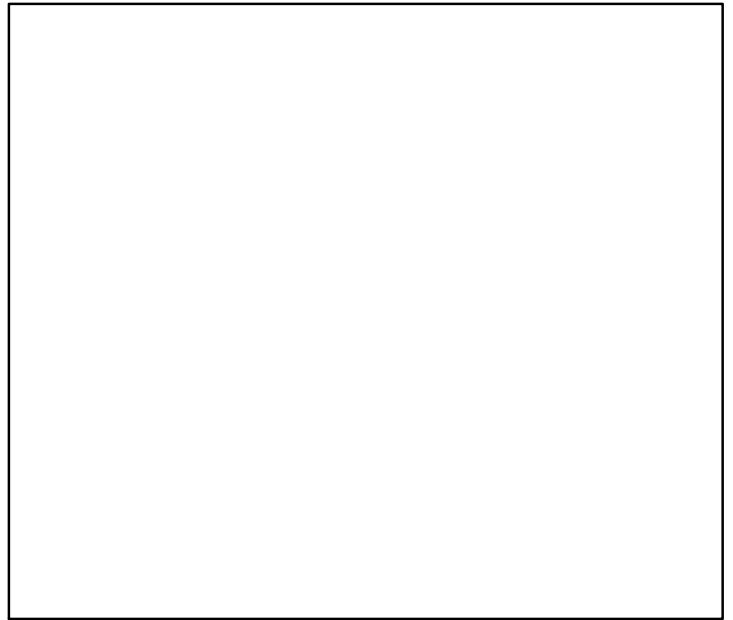
Kobe MGT*



Spawner Recruit (2001–2015–ICESIMP2016)



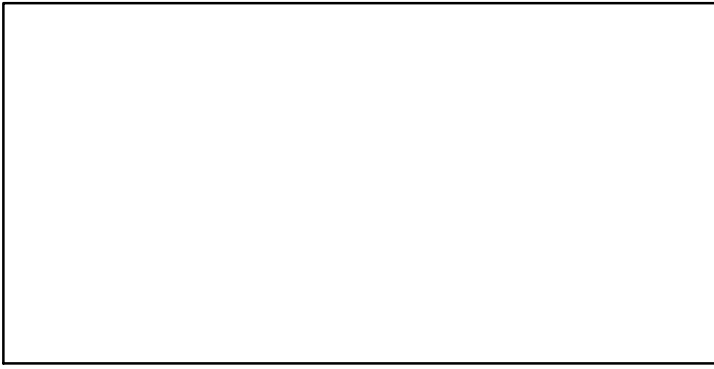
Production*



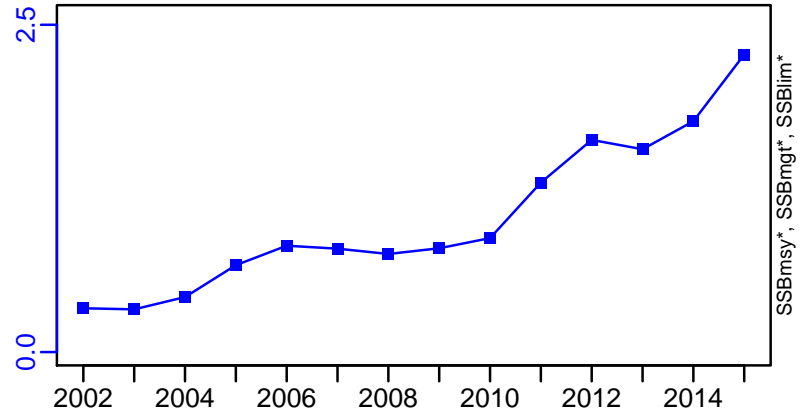
◆ Start Year ◆ End Year * No Data

European Plaice Subdivisions 24–32 [PLAIC2432]

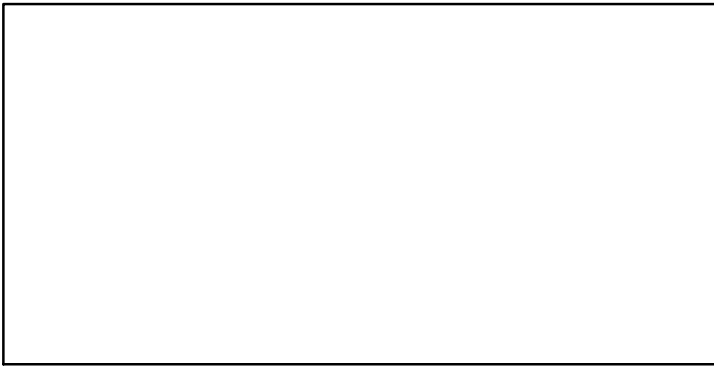
TB*



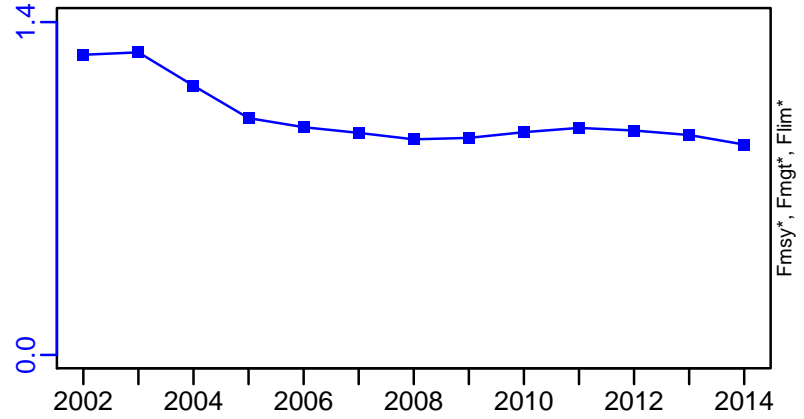
SSB-relative (2001–2015–ICESIMP2016)



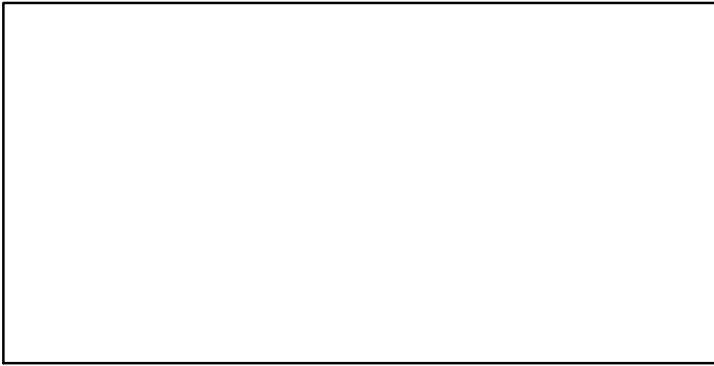
TN *



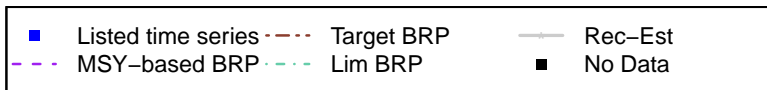
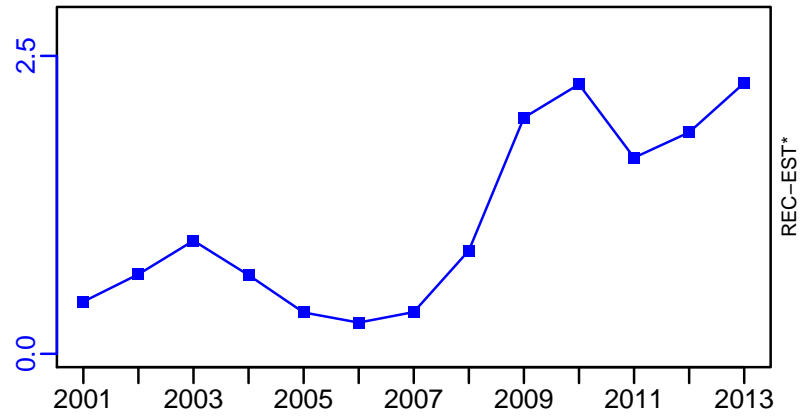
F-relative (2001–2015–ICESIMP2016)



ER*



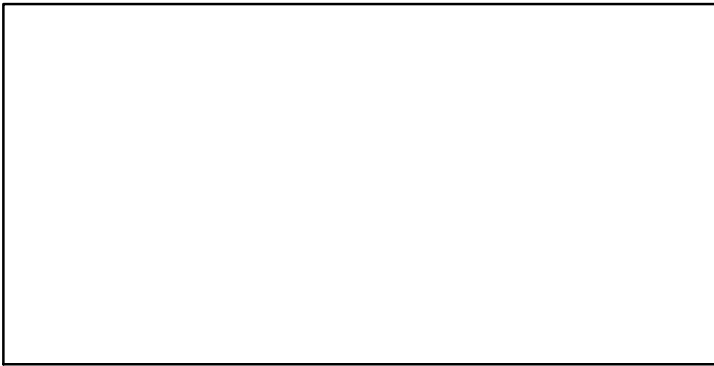
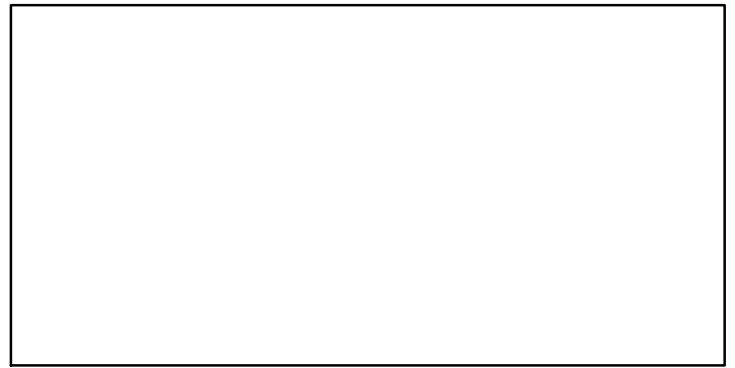
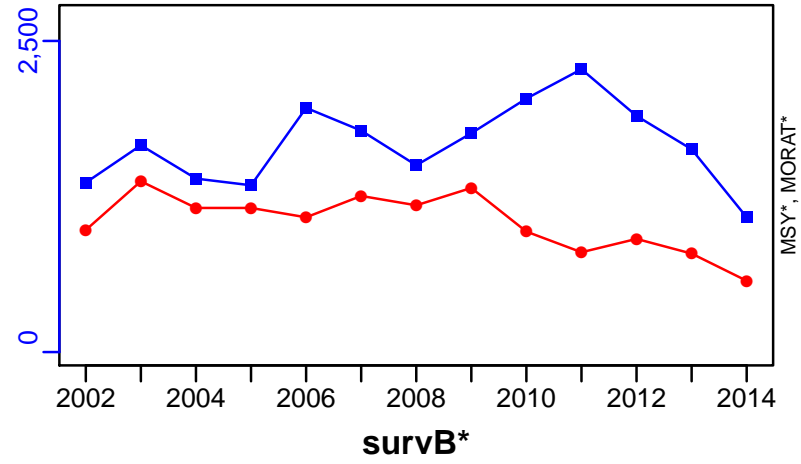
R-relative (2001–2015–ICESIMP2016)



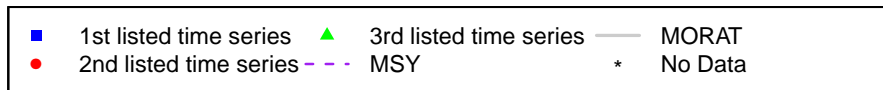
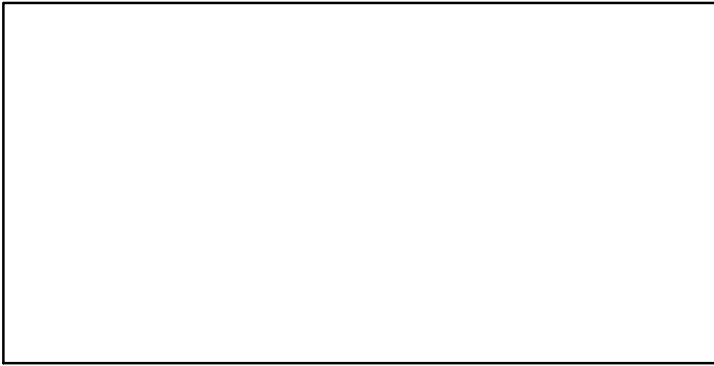
European Plaice Subdivisions 24–32 [PLAIC2432]

TC–MT, TL–MT, RecC* (2001–2015–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



European Plaice ICES VIlId [PLAIC7d]

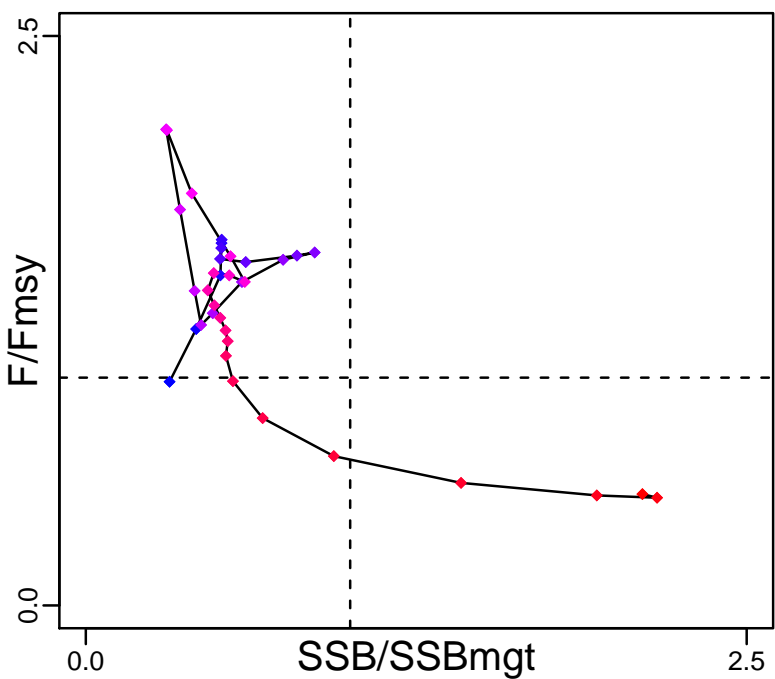
Metadata	
Scientific Name	Pleuronectes platessa
Current Assess ID	WGNSSK-PLAIC7d-1979-2016-ICESIMP2016
Area	Eastern English Channel
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2010, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.25
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	25,826
Fmgt	Fmgt-1/yr	2016	0.25
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.1
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	18,448
Flim	Flim-1/yr	2016	0.5
ERlim	-	-	-

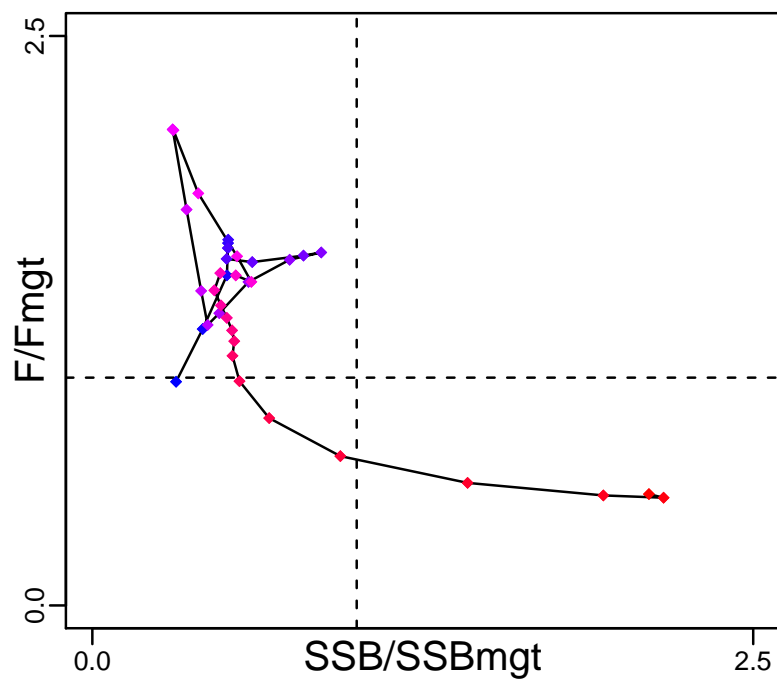
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2010	9230	Both	1+
SSB	SSB-MT	2016	63,500	Both	-
TN	-	-	-	-	-
R	R-E00	2016	1.55×10^8	-	1
F	F-1/yr	2016	0.122	-	3 to 6
ER	ER-ratio	2010	0.344	-	-
TC	TC-MT	2016	5790		
TL	TL-MT	2016	3250		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.489		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	2.46		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.489		
ER/ERmgt	-	-	-		

European Plaice ICES VIId [PLAIC7d]

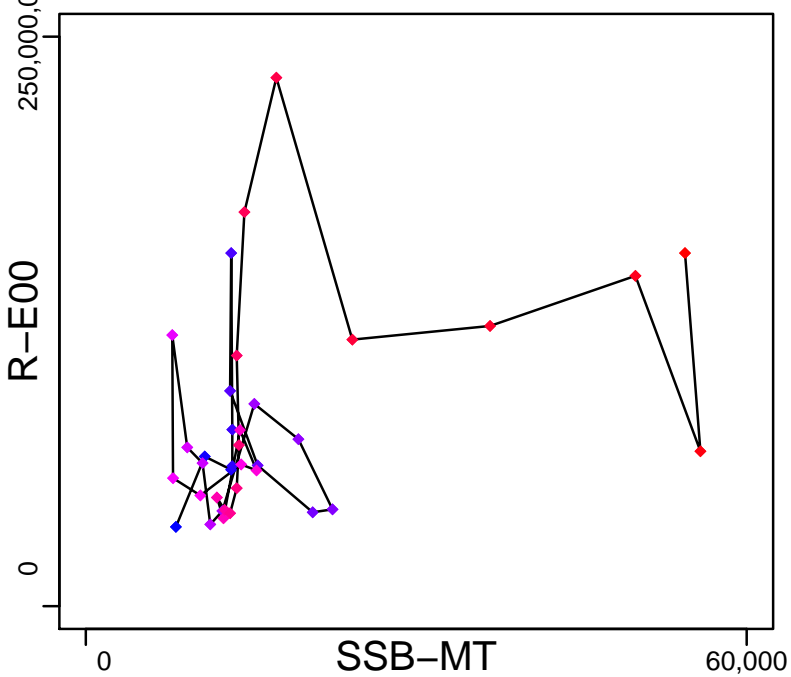
Kobe MSYpref (1979–2016–ICESIMP2016)



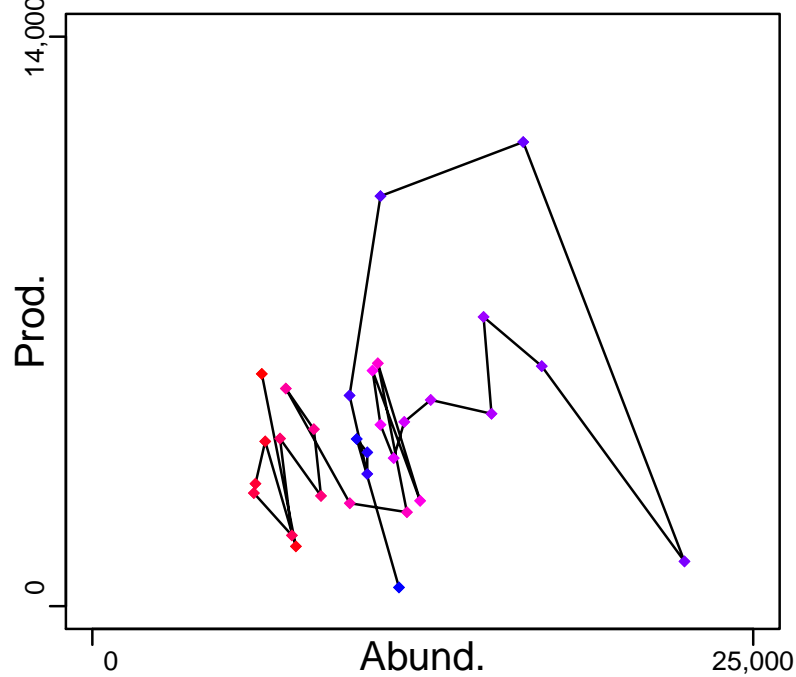
Kobe MGTpref (1979–2016–ICESIMP2016)



Spawner Recruit (1979–2016–ICESIMP2016)

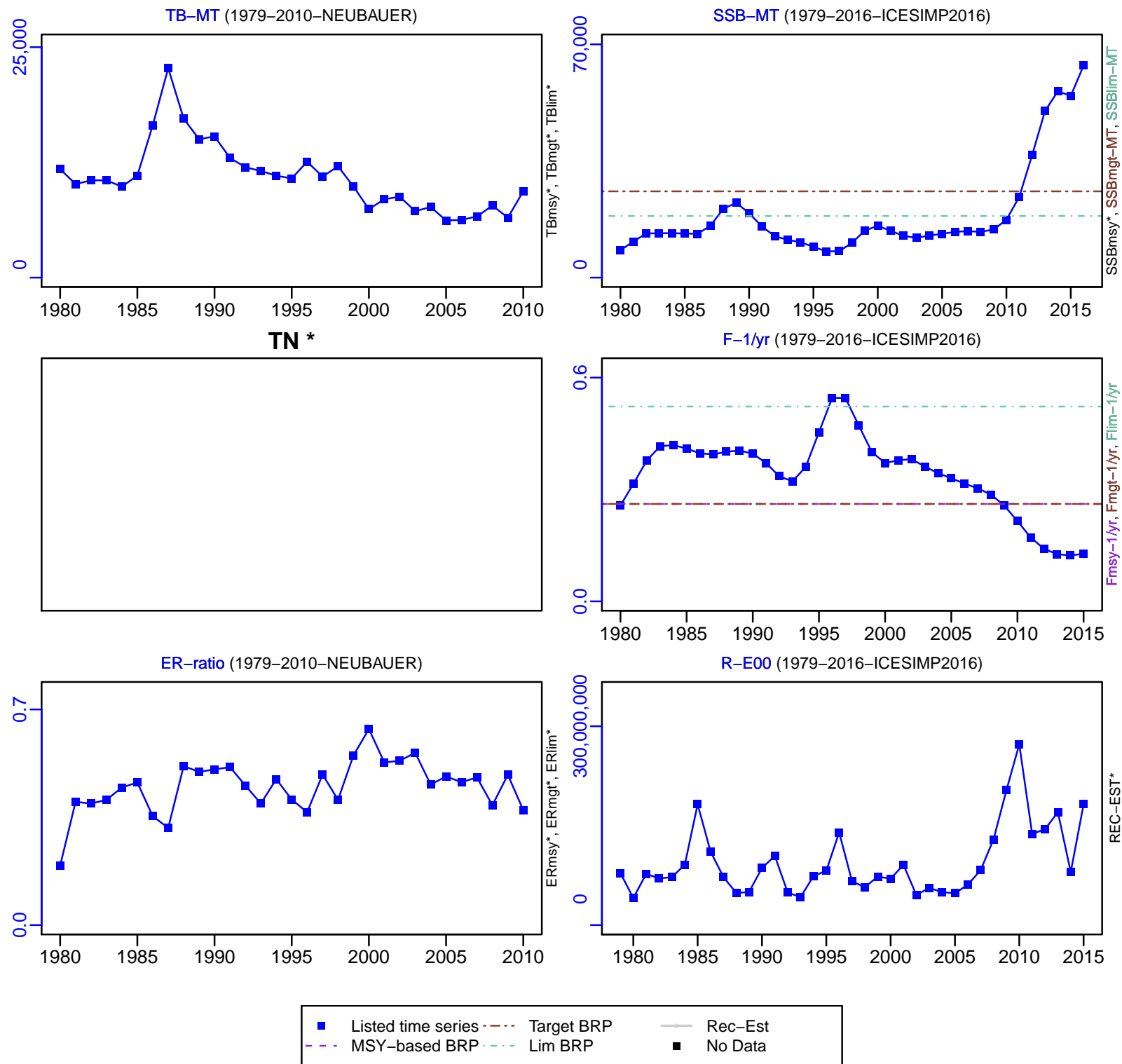


Production (1979–2010–NEUBAUER)



◆ Start Year ◆ End Year * No Data

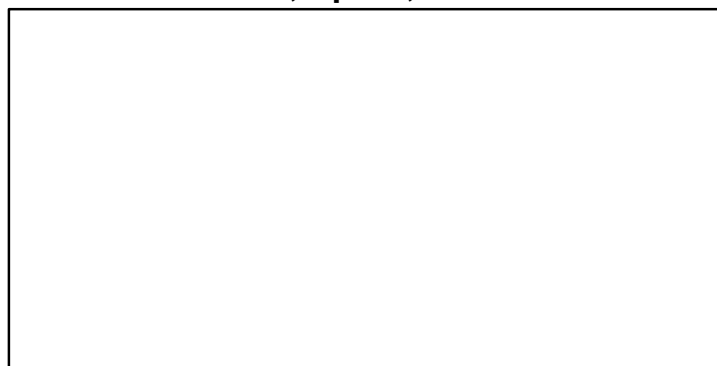
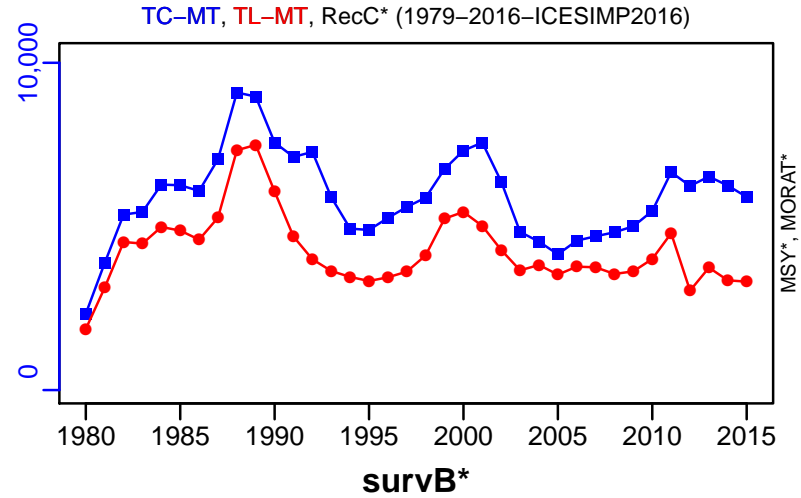
European Plaice ICES VIId [PLAIC7d]



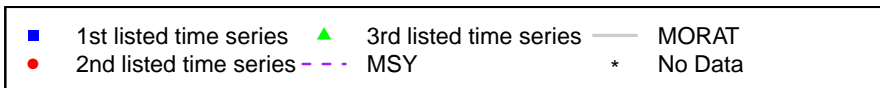
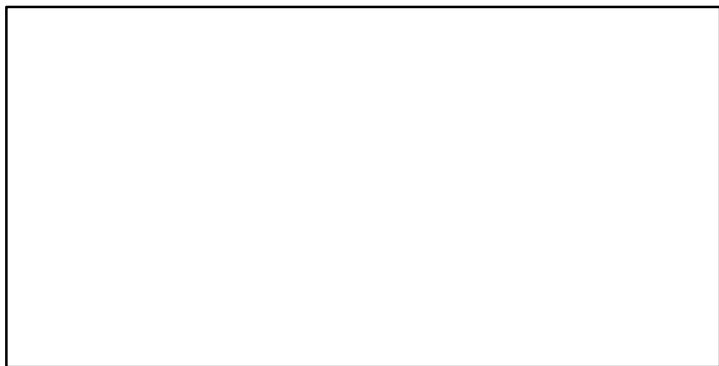
European Plaice ICES VIId [PLAIC7d]

TC-MT, TL-MT, RecC* (1979-2016-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*

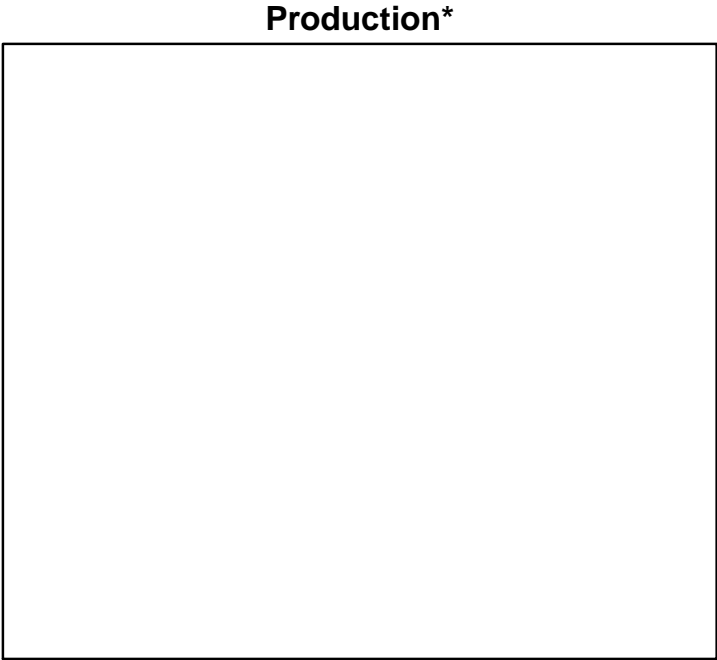
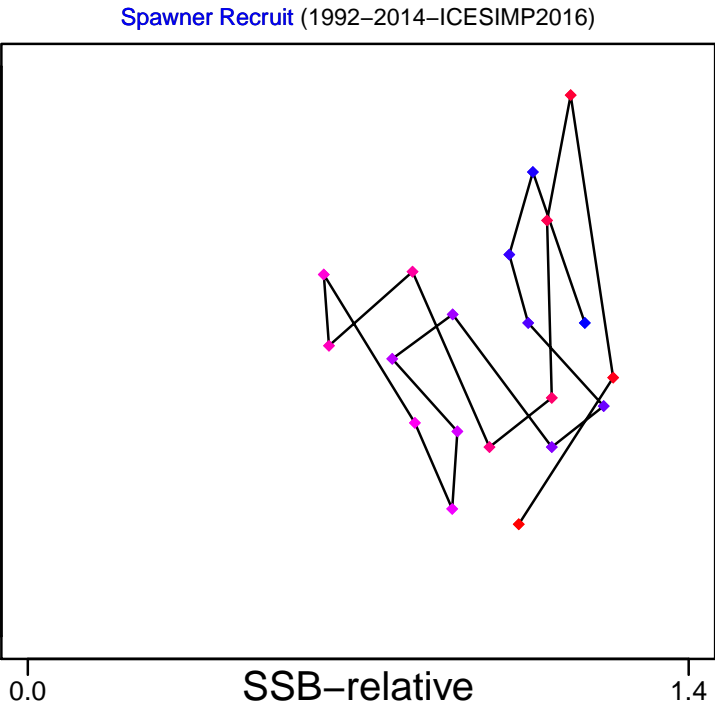
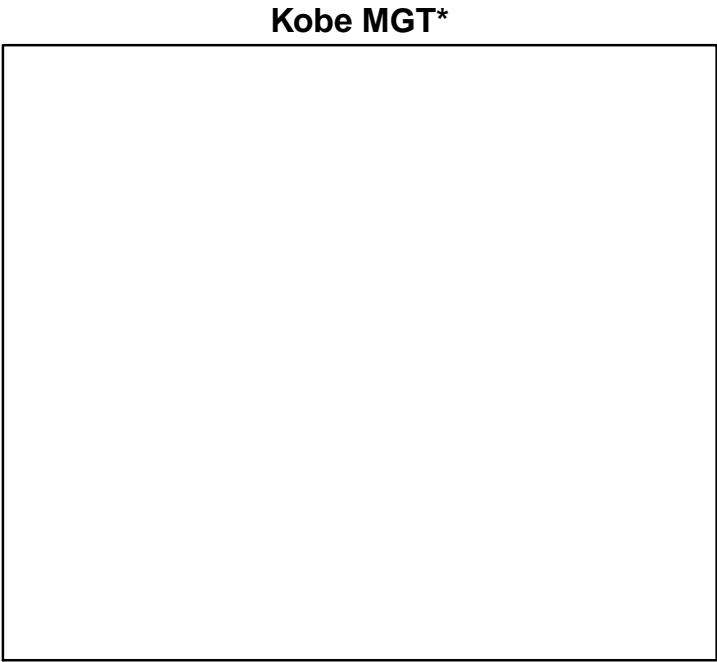
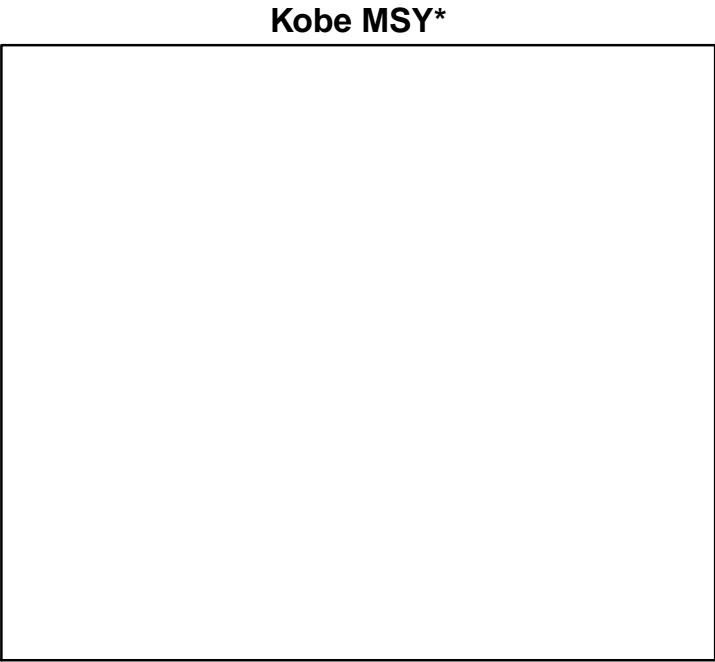


European Plaice ICES VII-f-g [PLAICCELT]

Metadata	
Scientific Name	Pleuronectes platessa
Current Assess ID	WGCSE-PLAICCELT-1993-2016-ICESIMP2016
Area	Celtic Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2014, 2016, 2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.12
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

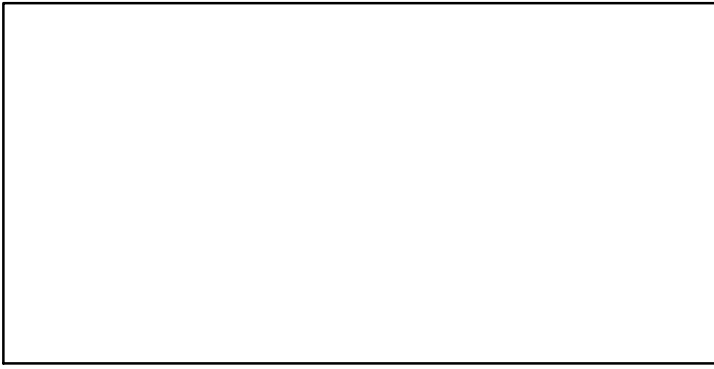
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-relative	2014	1.33	Both	-
TN	-	-	-	-	-
R	R-relative	2014	0.393	-	1
F	F-relative	2014	1.29	-	3 to 6
ER	ER-ratio	2010	0.222	-	-
TC	TC-MT	2014	1670		
TL	TL-MT	2016	381		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



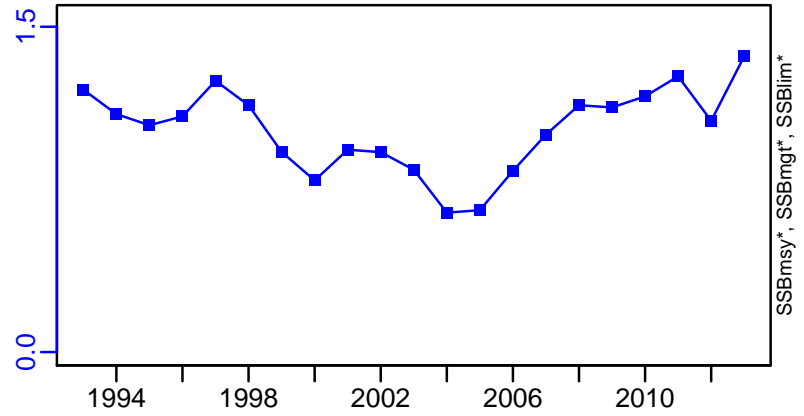
◆ Start Year ◆ End Year * No Data

European Plaice ICES VII-f-g [PLAICCELT]

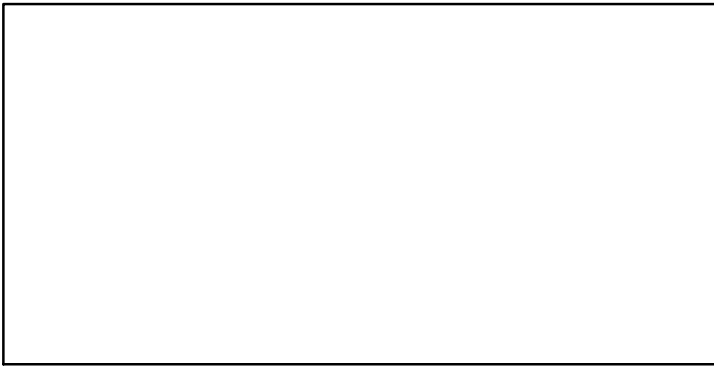
TB*



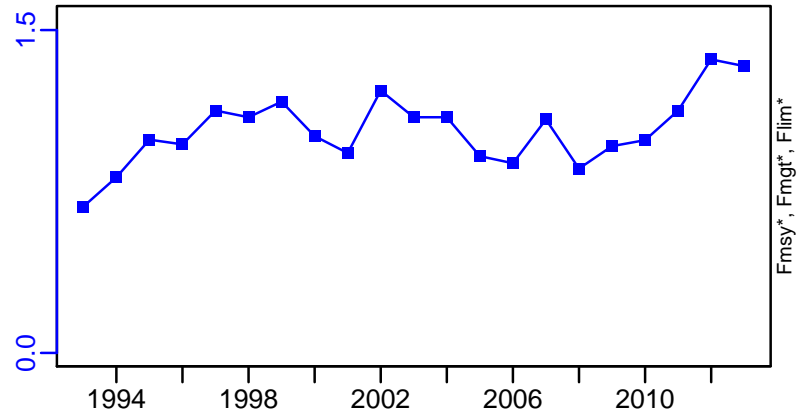
SSB-relative (1992-2014-ICESIMP2016)



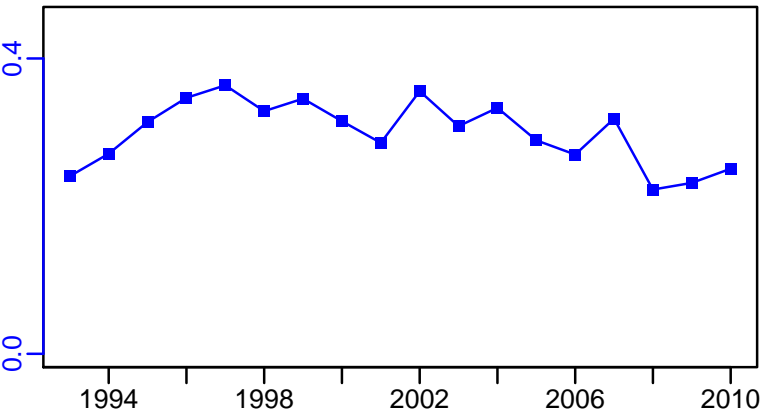
TN *



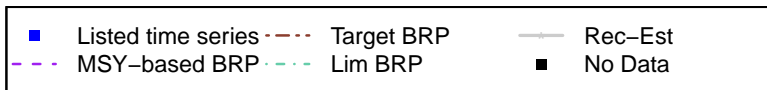
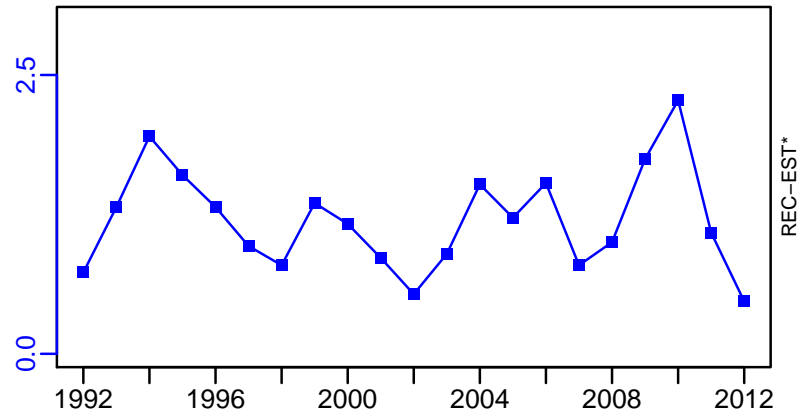
F-relative (1992-2014-ICESIMP2016)



ER-ratio (1992-2010-NEUBAUER)

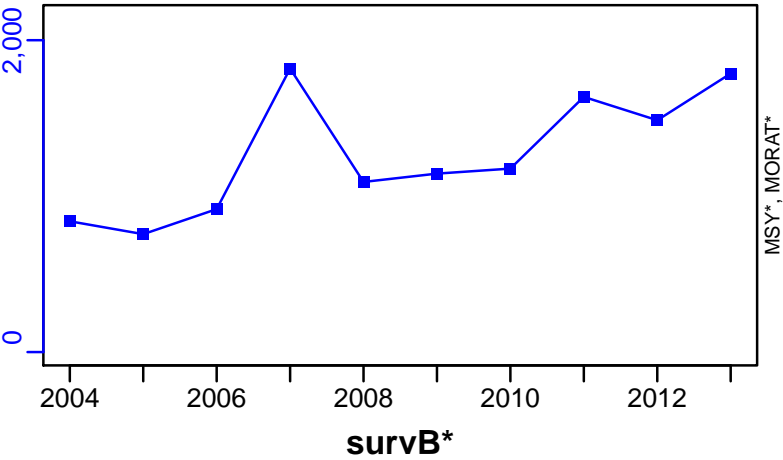


R-relative (1992-2014-ICESIMP2016)



European Plaice ICES VII-f-g [PLAICCELT]

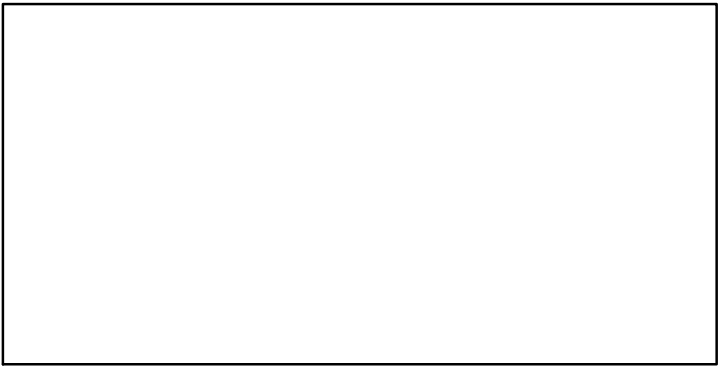
TC-MT, TL*, RecC* (1992-2014-ICESIMP2016)



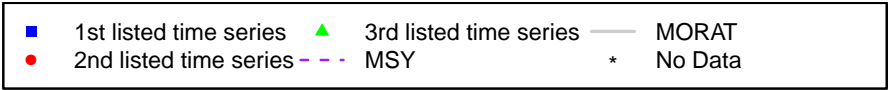
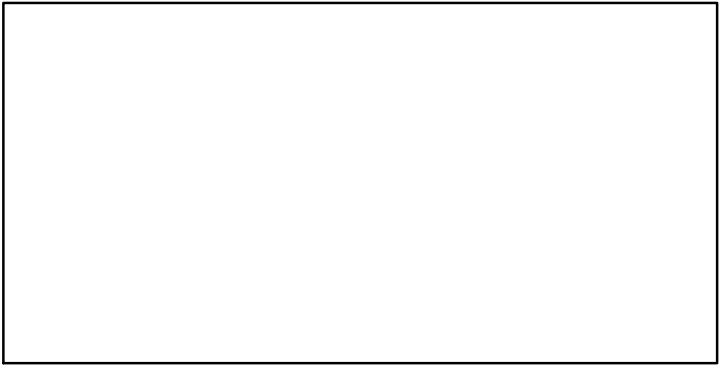
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



European Plaice ICES Vile [PLAICECHW]

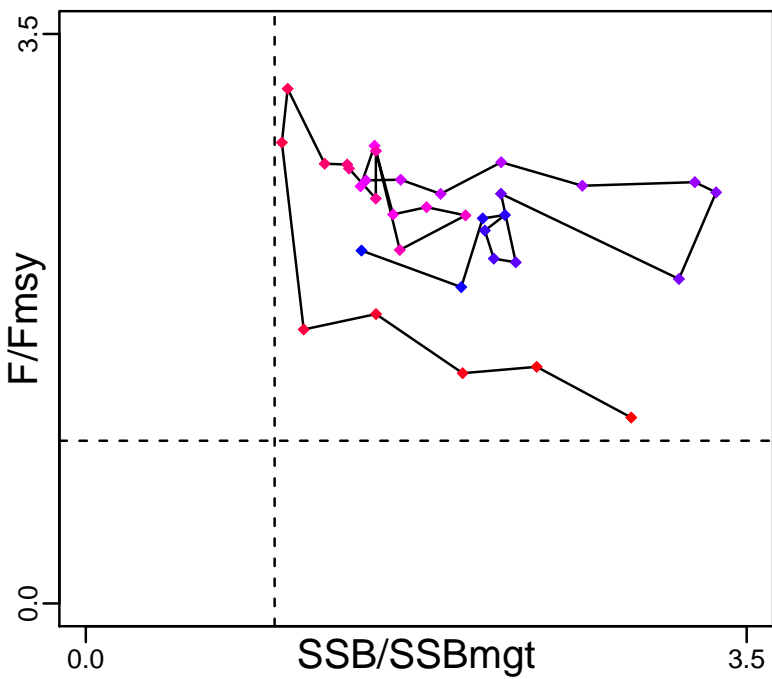
Metadata	
Scientific Name	Pleuronectes platessa
Current Assess ID	WGCSE-PLAICECHW-1978-2016-ICESIMP2016
Area	Western English Channel
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015, 2016, 2013, 2014, 2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2014	0.24
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2014	1650
Fmgt	Fmgt-1/yr	2014	0.24
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.12
TBlim	TBlim-MT	2010	1300
SSBlim	SSBlim-relative	2015	1246
Flim	-	-	-
ERlim	-	-	-

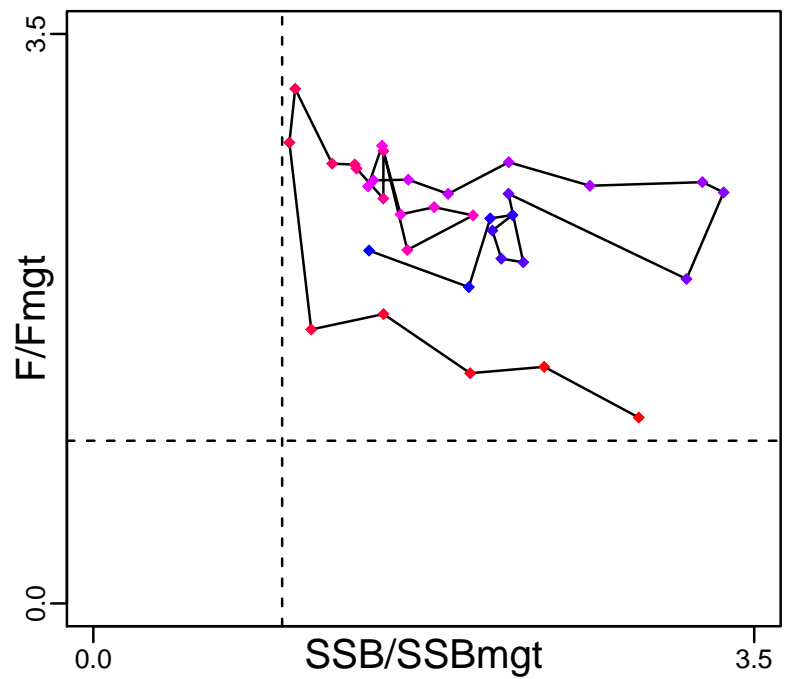
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	6730	Both	-
SSB	SSB-relative	2016	2.04	Both	-
TN	-	-	-	-	-
R	R-relative	2016	0.9	-	2
F	F-relative	2016	0.347	-	3 to 6
ER	ER-calc-ratio	2014	0.227	-	-
TC	TC-MT	2016	2940		
TL	TL-MT	2016	1420		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	1.143		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	3.353		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.143		
ER/ERmgt	-	-	-		

European Plaice ICES Vlle [PLAICECHW]

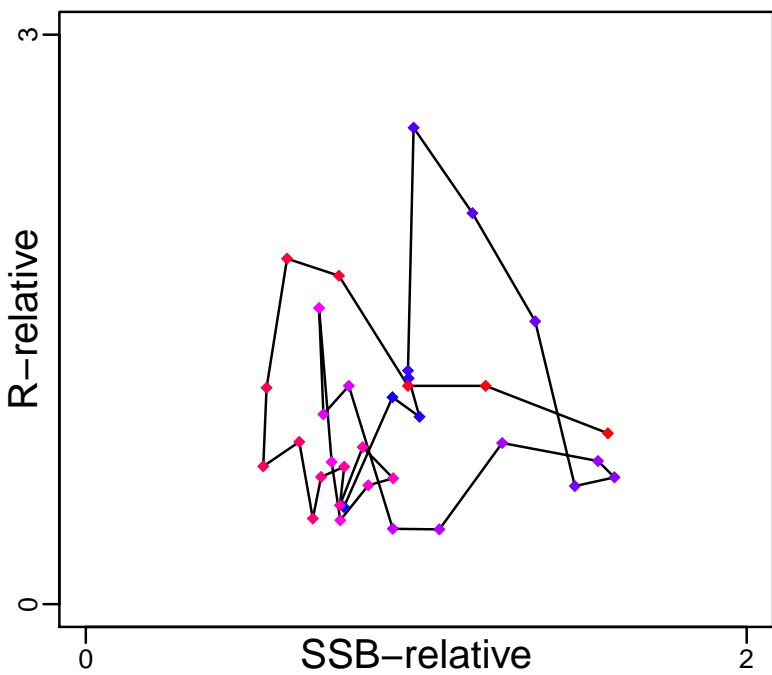
Kobe MSYpref (1979–2014–ICESIMP2016)



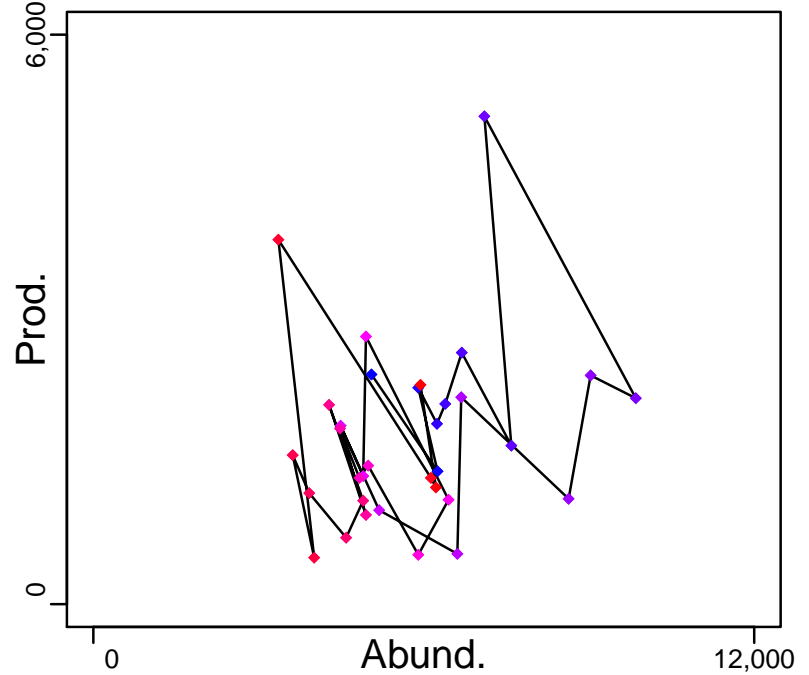
Kobe MGTpref (1979–2014–ICESIMP2016)



Spawner Recruit (1978–2016–ICESIMP2016)



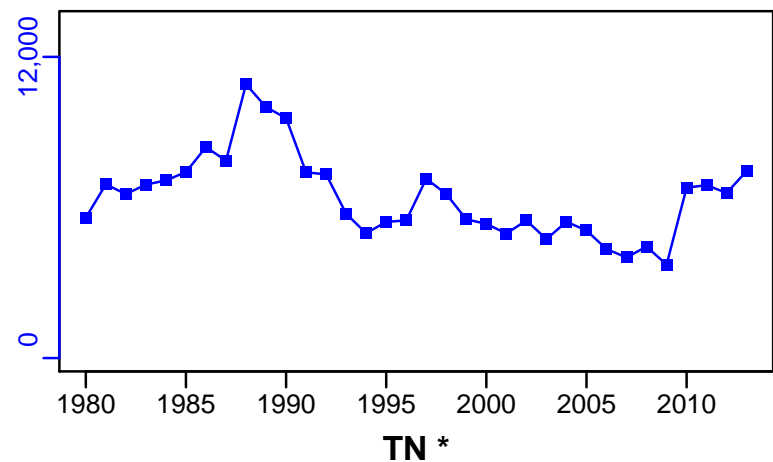
Production (1979–2014–ICESIMP2016)



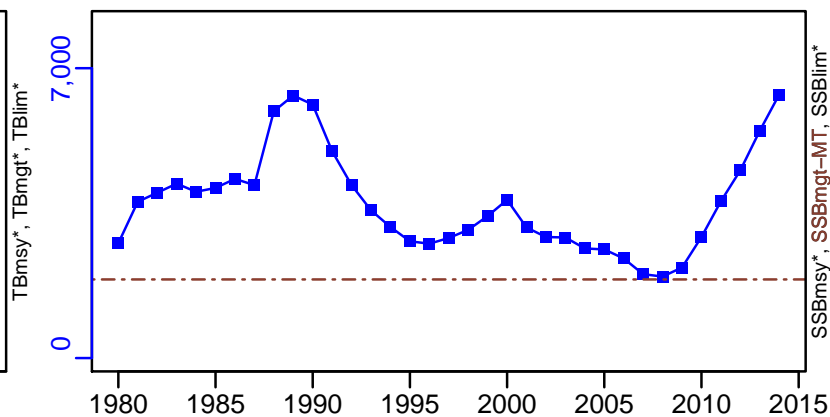
◆ Start Year ◆ End Year * No Data

European Plaice ICES Vlle [PLAICECHW]

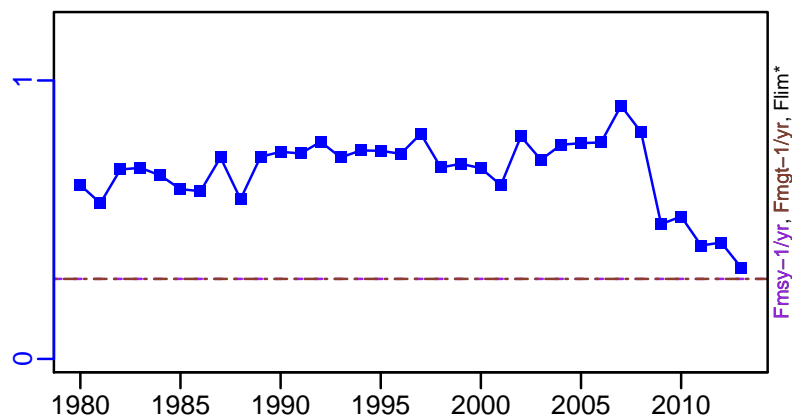
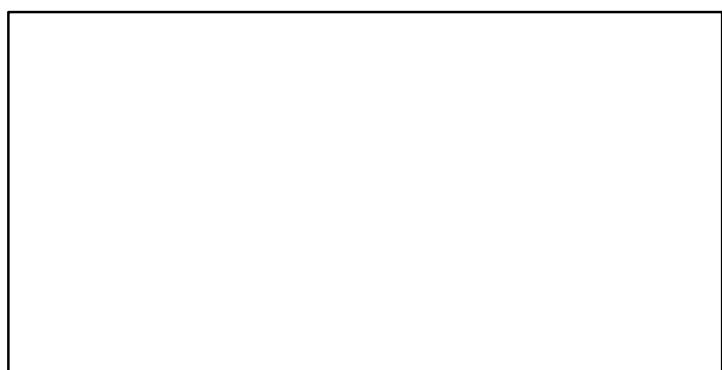
TB-MT (1979–2014–ICESIMP2016)



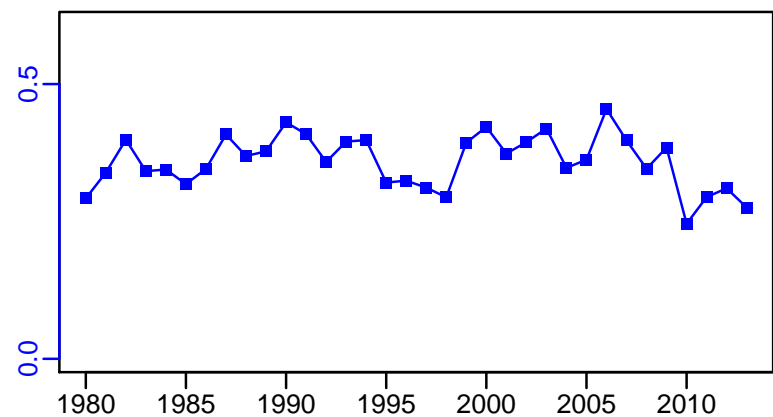
SSB-MT (1979–2014–ICESIMP2016)



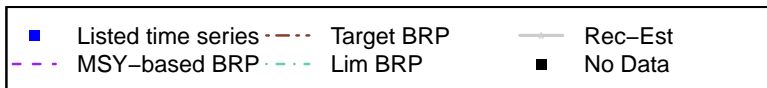
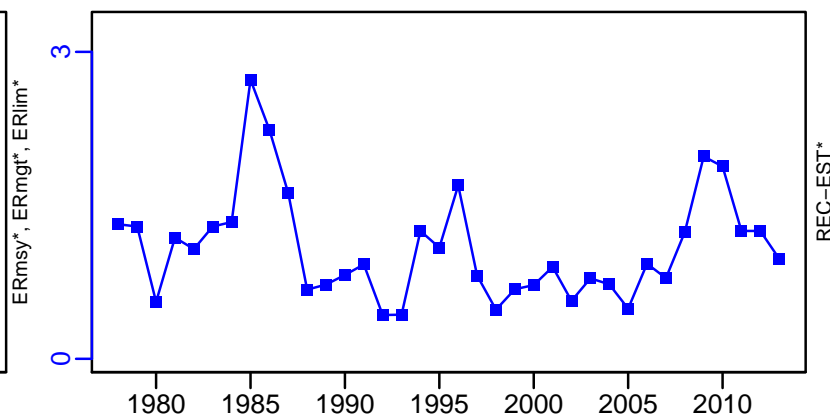
F-1/yr (1979–2014–ICESIMP2016)



ER-calc-ratio (1979–2014–ICESIMP2016)



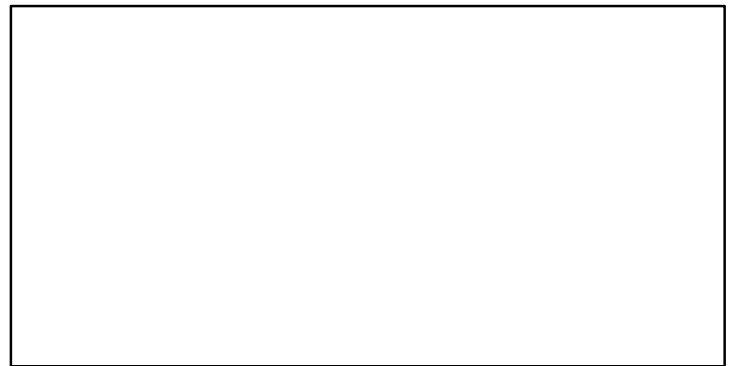
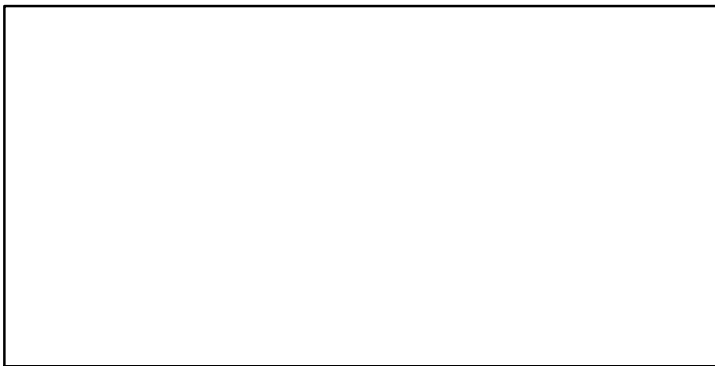
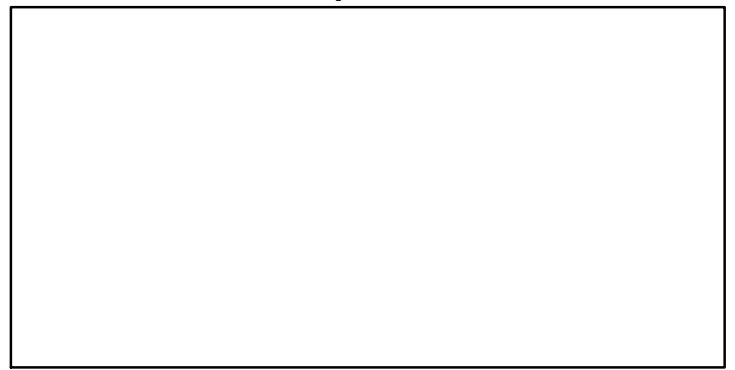
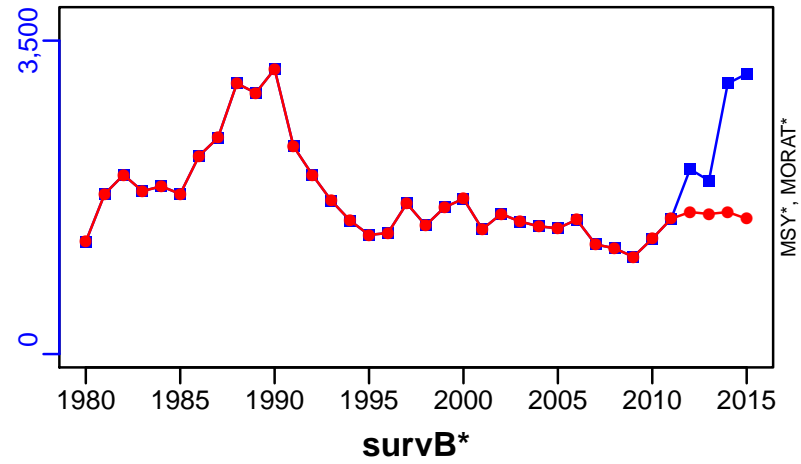
R-relative (1978–2016–ICESIMP2016)



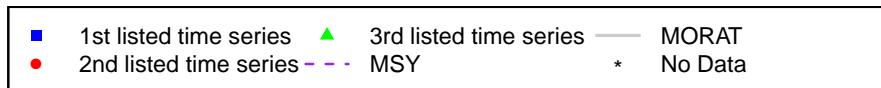
European Plaice ICES Vlle [PLAICECHW]

TC-MT, TL-MT, RecC* (1978-2016-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*

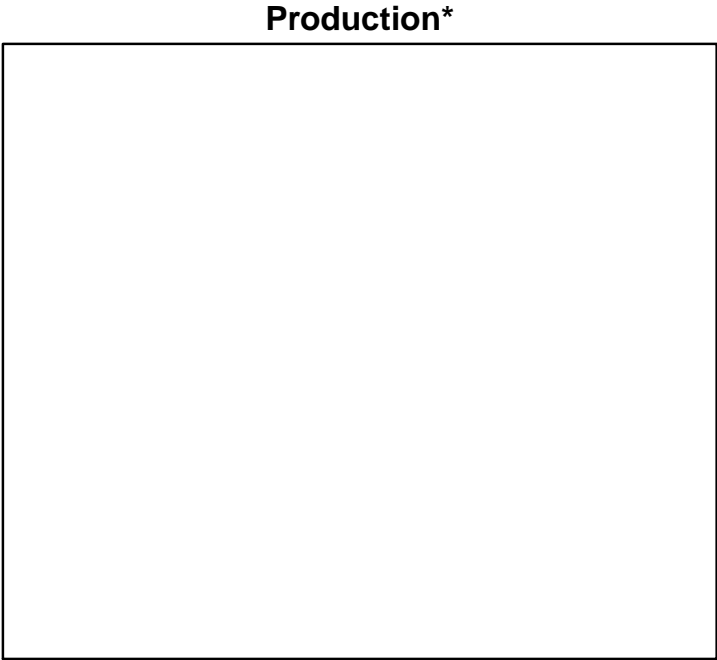
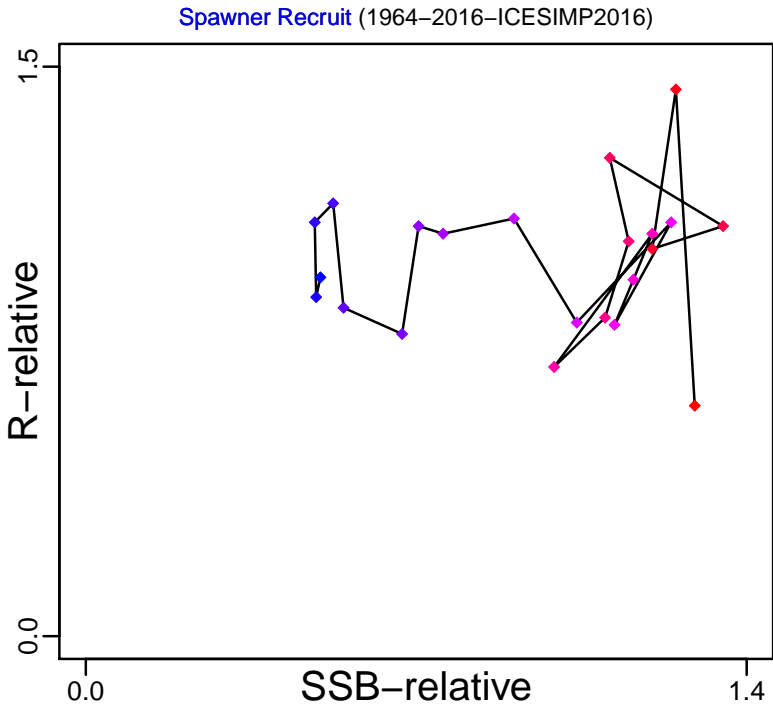
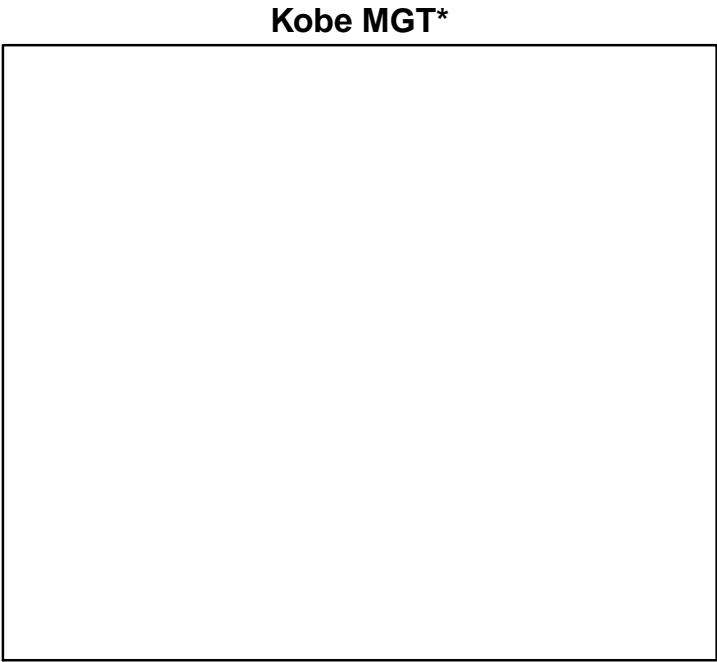
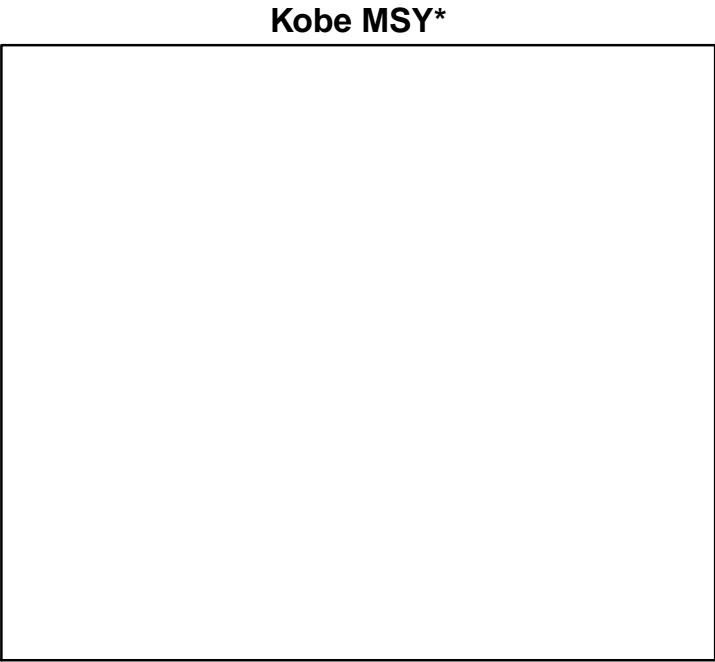


European Plaice Irish Sea [PLAICIS]

Metadata	
Scientific Name	Pleuronectes platessa
Current Assess ID	WGCSE-PLAICIS-1964-2016-ICESIMP2016
Area	Irish Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015, 2016, 2014, 2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.12
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

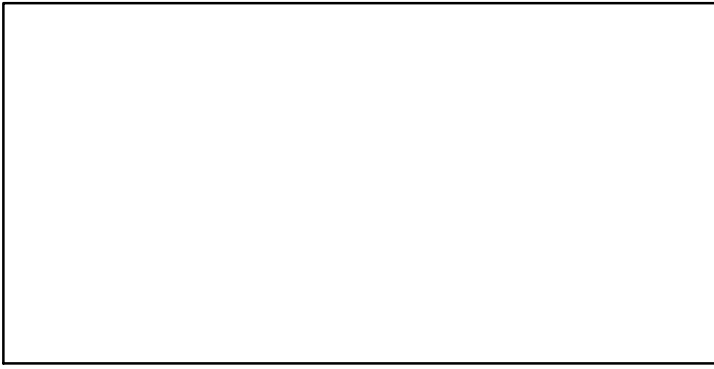
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-relative	2016	2.21	Both	-
TN	-	-	-	-	-
R	R-relative	2016	0.607	-	1
F	F-relative	2016	0.273	-	3 to 6
ER	ER-ratio	2010	0.052	-	-
TC	TC-MT	2016	1010		
TL	TL-MT	2016	439		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



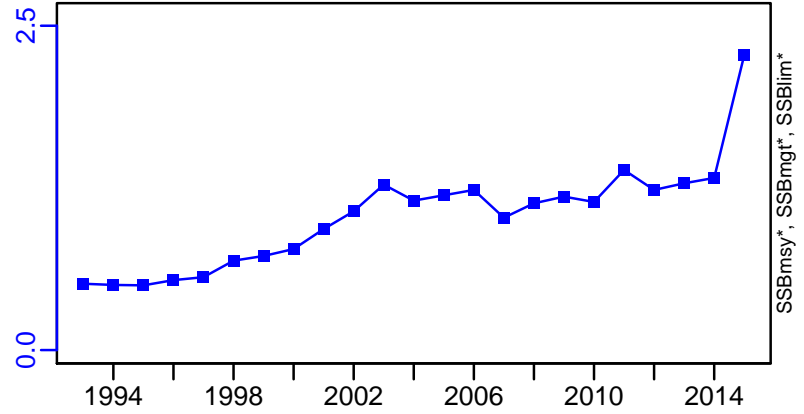
◆ Start Year ◆ End Year * No Data

European Plaice Irish Sea [PLAICIS]

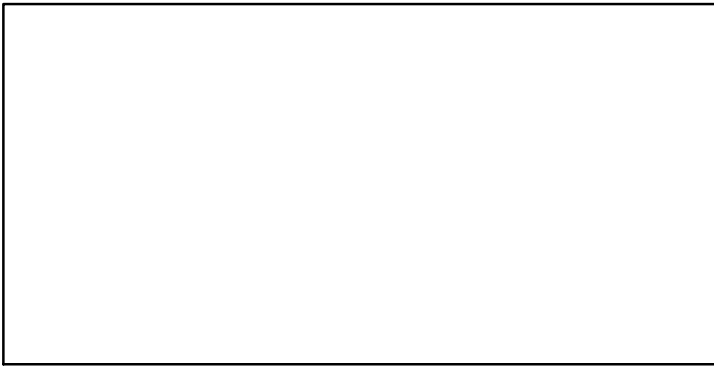
TB*



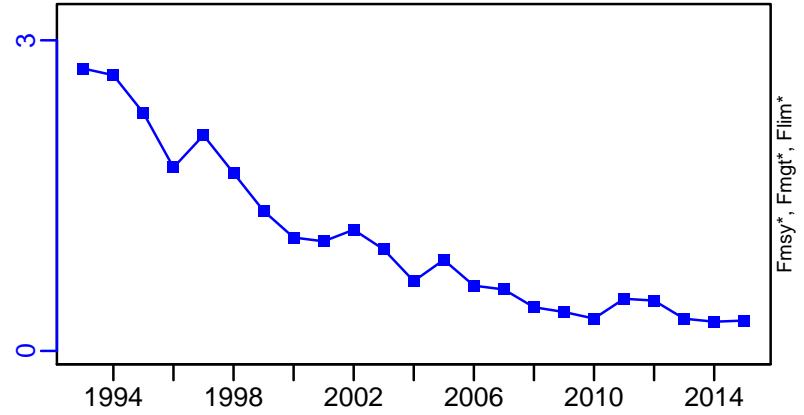
SSB-relative (1964–2016–ICESIMP2016)



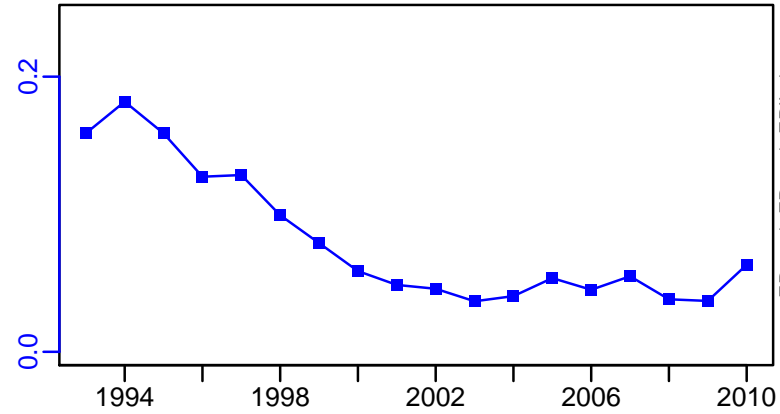
TN *



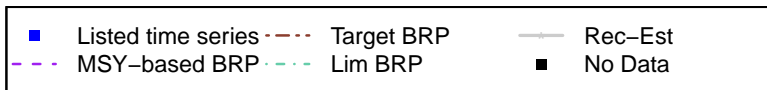
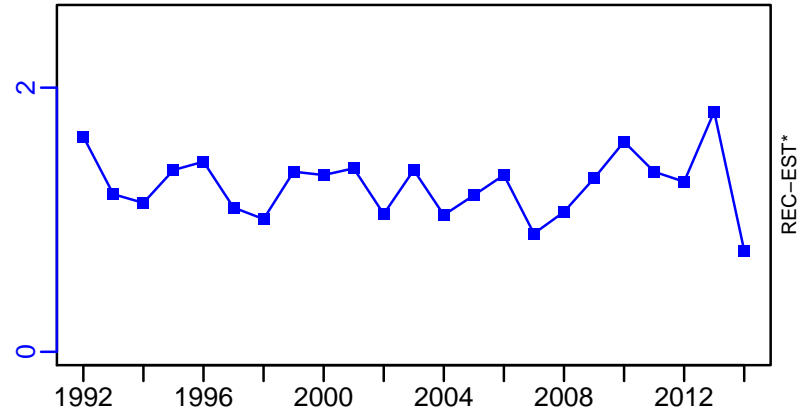
F-relative (1964–2016–ICESIMP2016)



ER-ratio (1992–2010–NEUBAUER)

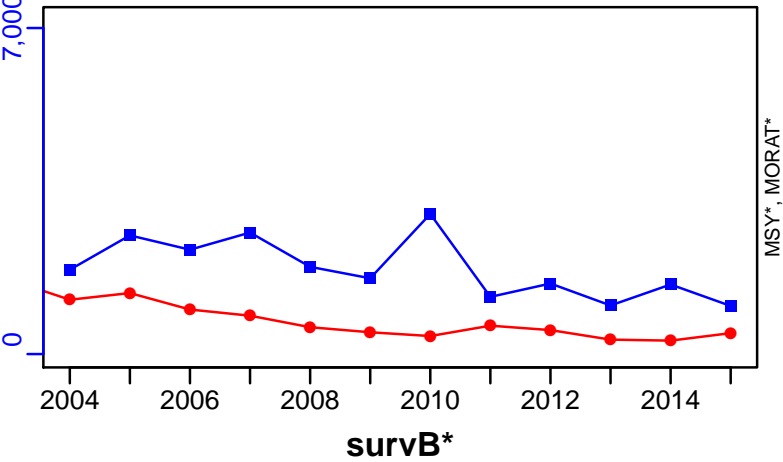


R-relative (1964–2016–ICESIMP2016)

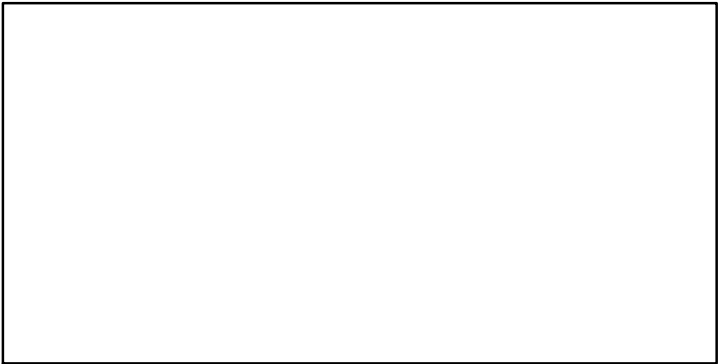


European Plaice Irish Sea [PLAICIS]

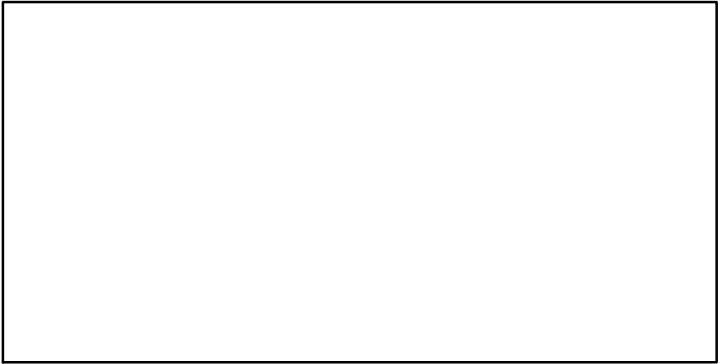
TC-MT, TL-MT, RecC* (1964–2016–ICESIMP2016)



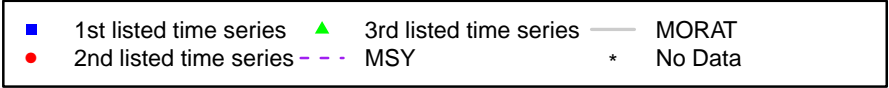
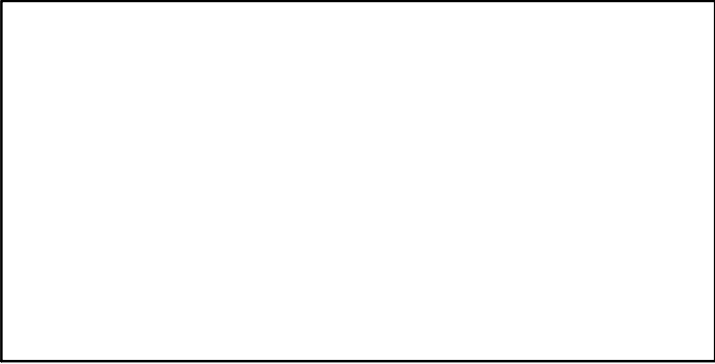
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



European Plaice North Sea [PLAICNS]

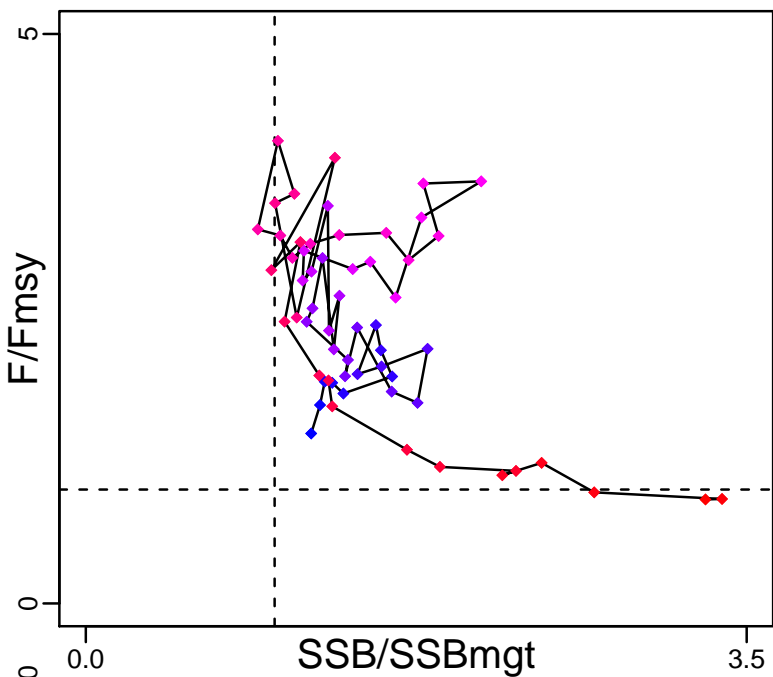
Metadata	
Scientific Name	Pleuronectes platessa
Current Assess ID	WGNSSK-PLAICNS-1956-2016-ICESIMP2016
Area	North Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2010, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.19
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	230,000
Fmgt	Fmgt-1/yr	2016	0.19
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.1
TBlim	TBlim-MT	2010	160,000
SSBlim	SSBlim-MT	2016	160,000
Flim	Flim-1/yr	2016	0.63
ERlim	-	-	-

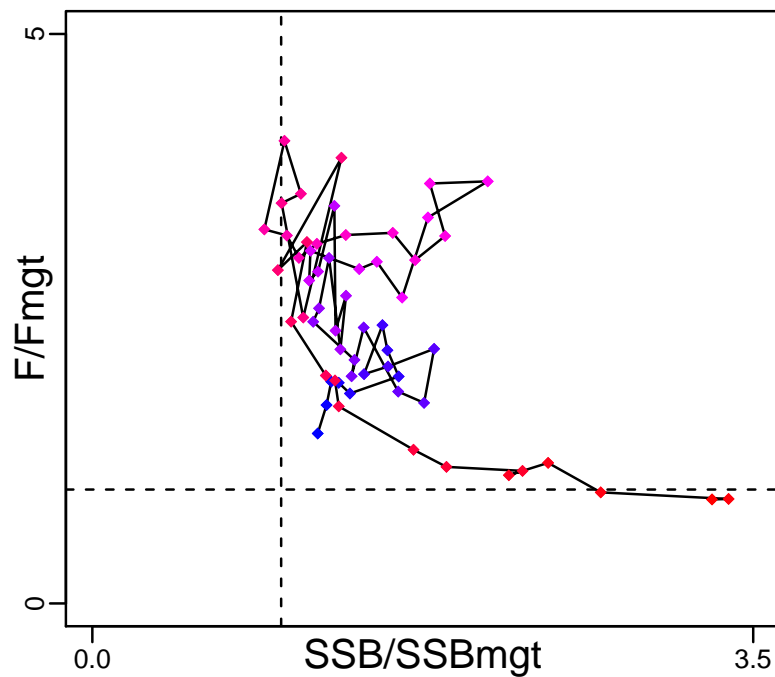
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2013	698,000	Both	-
SSB	SSB-MT	2016	946,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	9.08×10^8	-	1
F	F-1/yr	2016	0.174	-	2 to 6
ER	ER-calc-ratio	2013	0.191	-	-
TC	TC-MT	2016	134,000		
TL	TL-MT	2016	85,400		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.913		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	4.112		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.913		
ER/ERmgt	-	-	-		

European Plaice North Sea [PLAICNS]

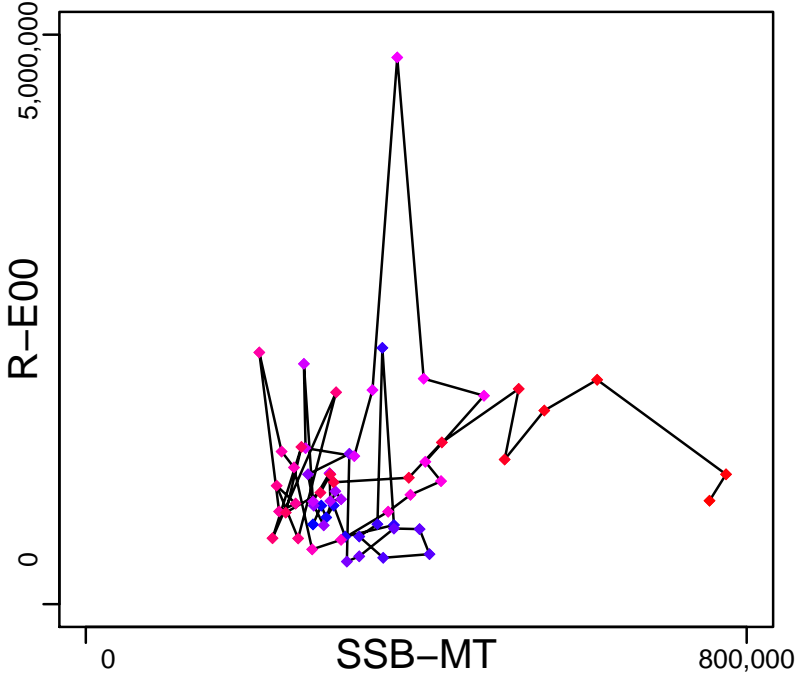
Kobe MSYpref (1956–2016–ICESIMP2016)



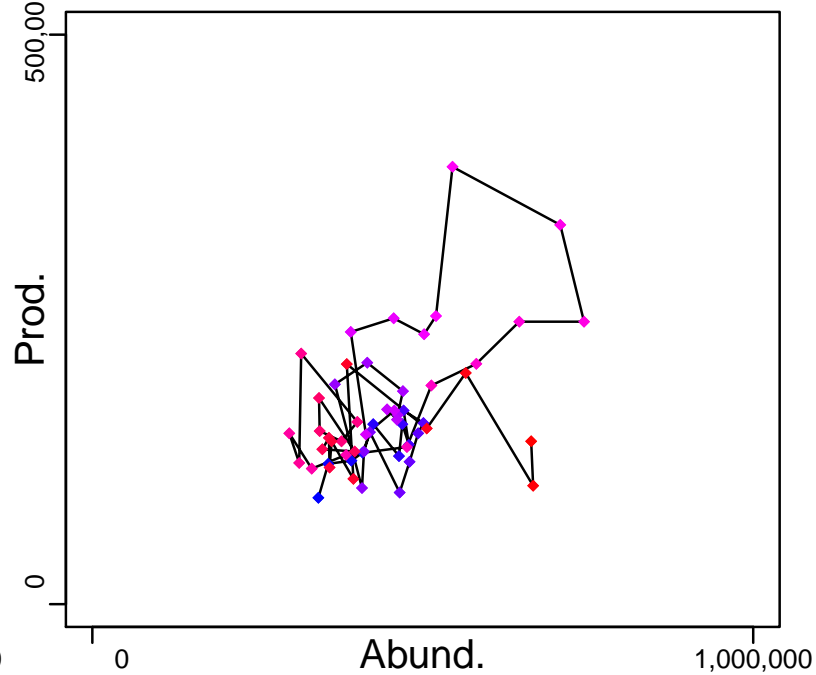
Kobe MGTpref (1956–2016–ICESIMP2016)



Spawner Recruit (1956–2016–ICESIMP2016)



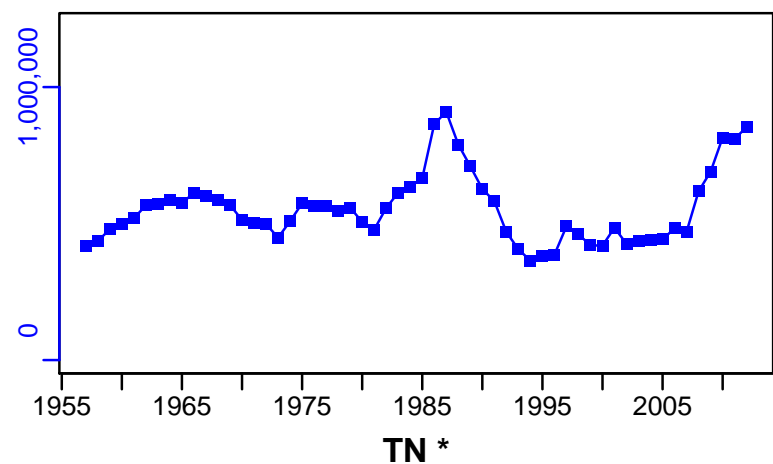
Production (1956–2013–ICESIMP2016)



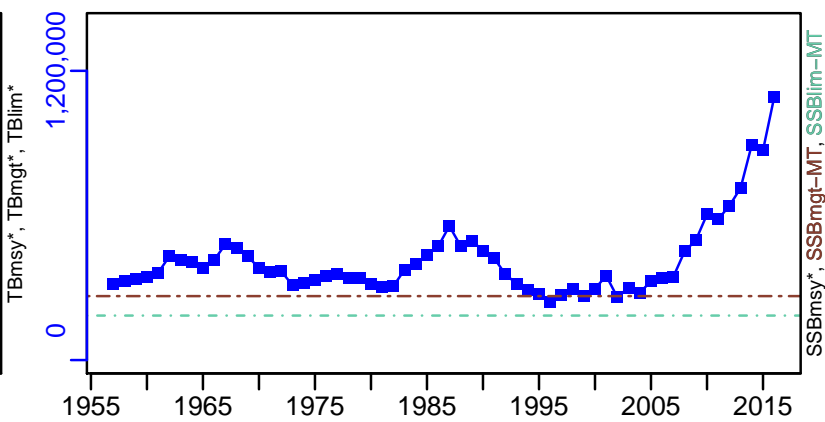
◆ Start Year ◆ End Year * No Data

European Plaice North Sea [PLAICNS]

TB-MT (1956–2013–ICESIMP2016)



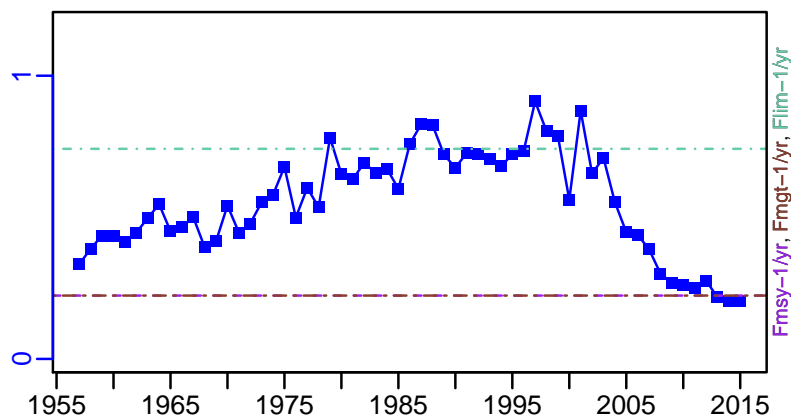
SSB-MT (1956–2016–ICESIMP2016)



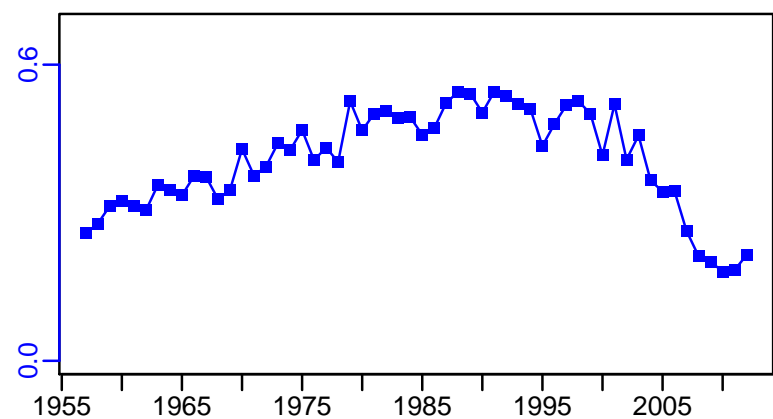
TN *



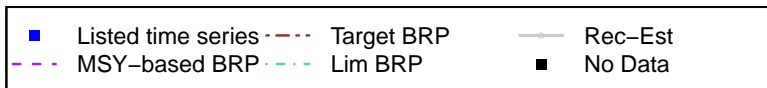
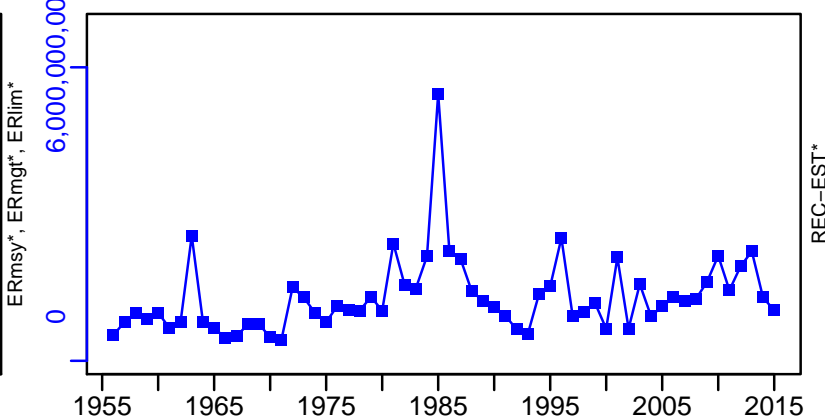
F-1/yr (1956–2016–ICESIMP2016)



ER-calc-ratio (1956–2013–ICESIMP2016)

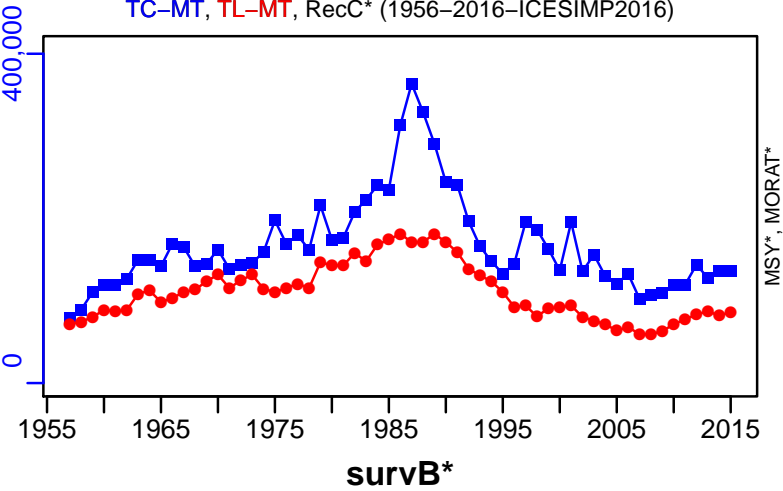


R-E00 (1956–2016–ICESIMP2016)



European Plaice North Sea [PLAICNS]

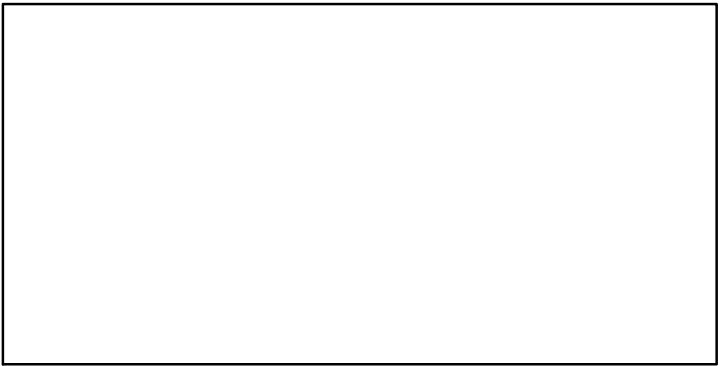
TC-MT, TL-MT, RecC* (1956–2016–ICESIMP2016)



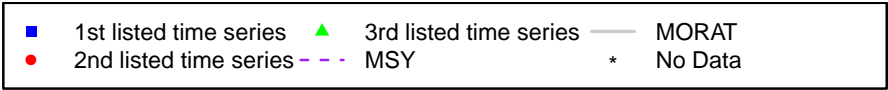
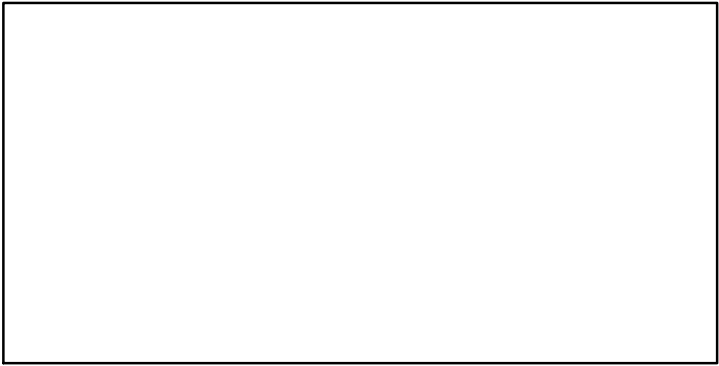
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



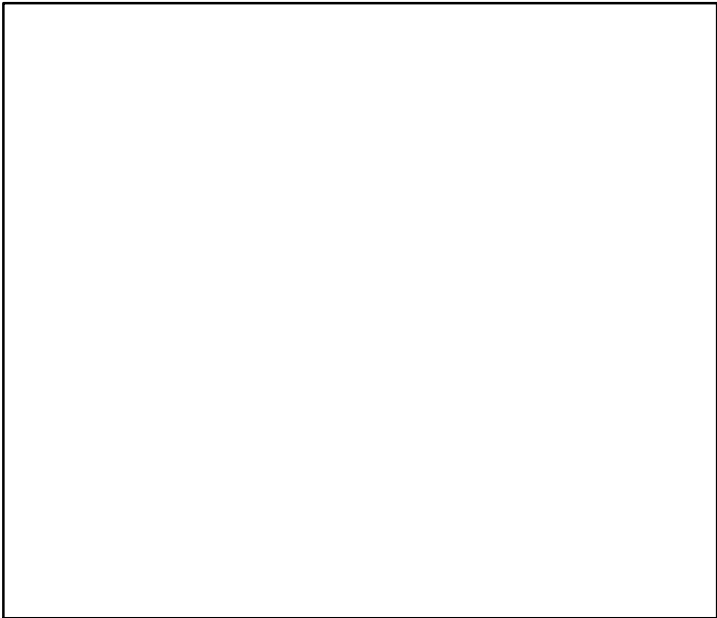
European Plaice VIIbc [PLAICVIIbc]

Metadata	
Scientific Name	Pleuronectes platessa
Current Assess ID	WGCSE-PLAICVIIbc-1996-2015-ICESIMP2016
Area	VIIbc
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015

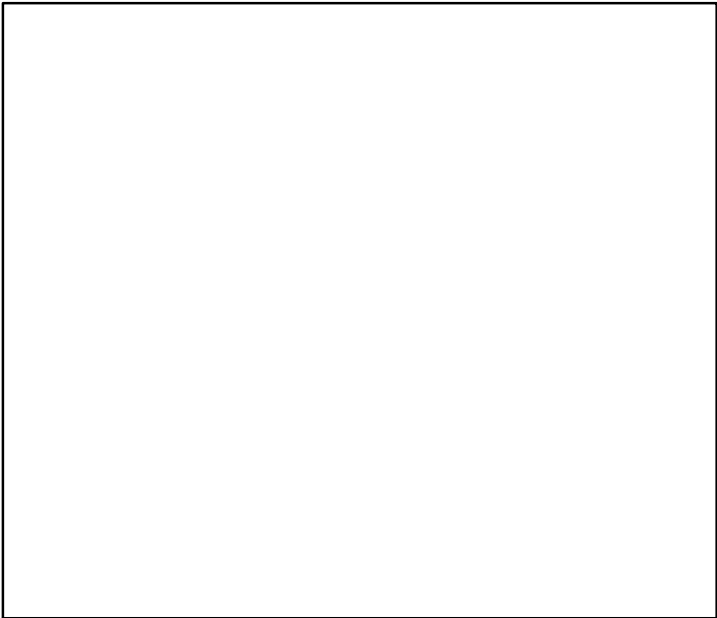
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	23		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

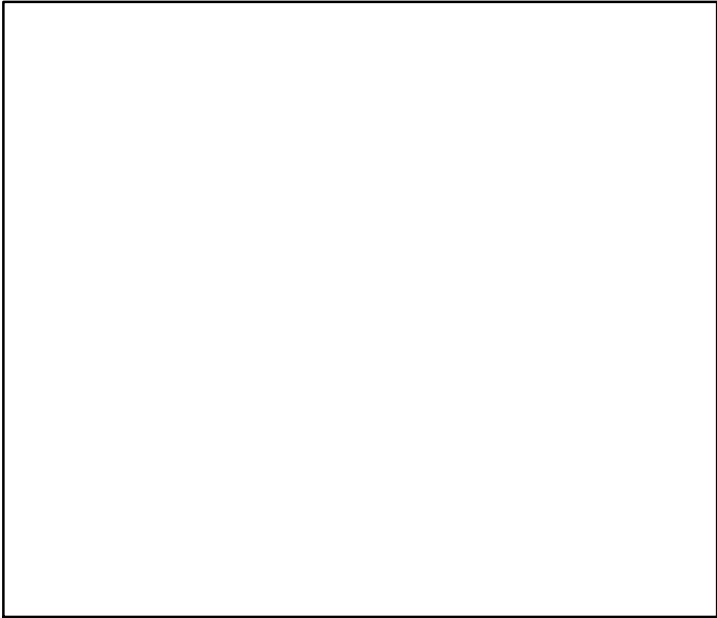
Kobe MSY*



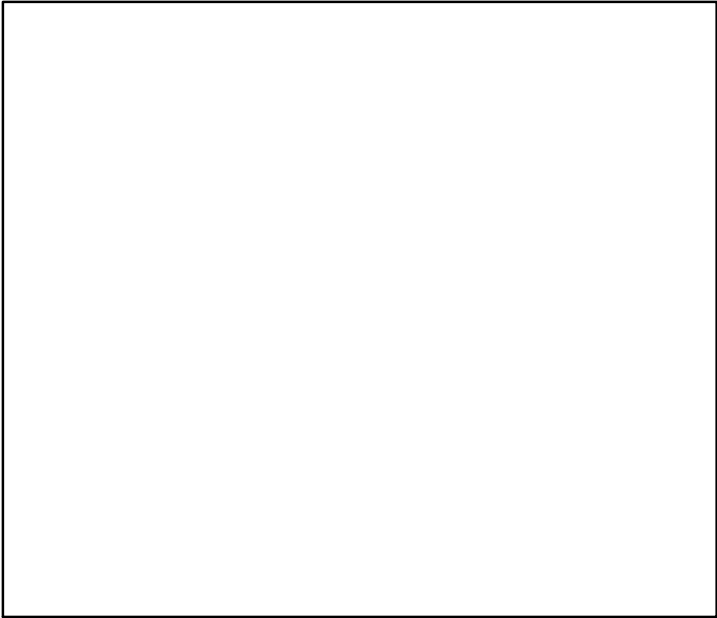
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*

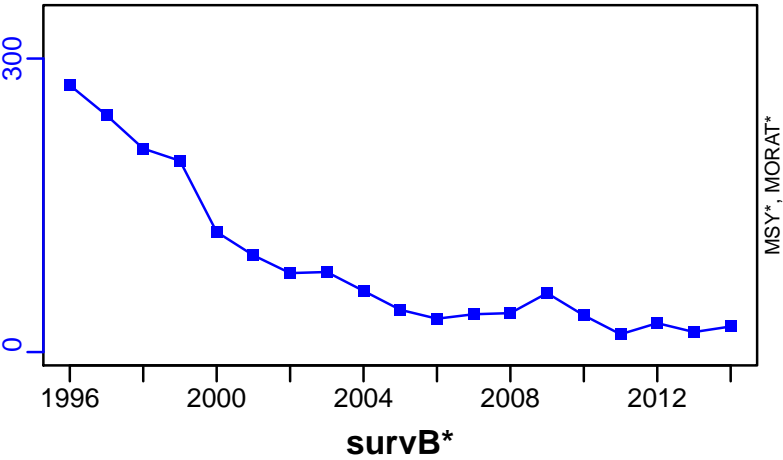


Recruits*



European Plaice VIIbc [PLAICVIIbc]

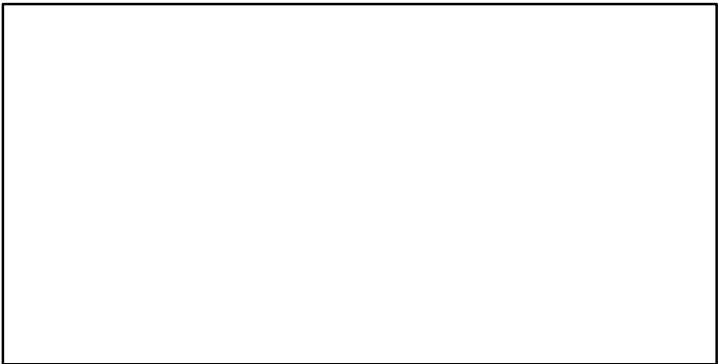
TL-MT, TC*, RecC* (1996–2015–ICESIMP2016)



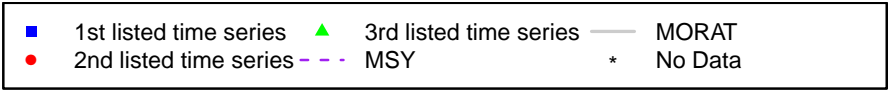
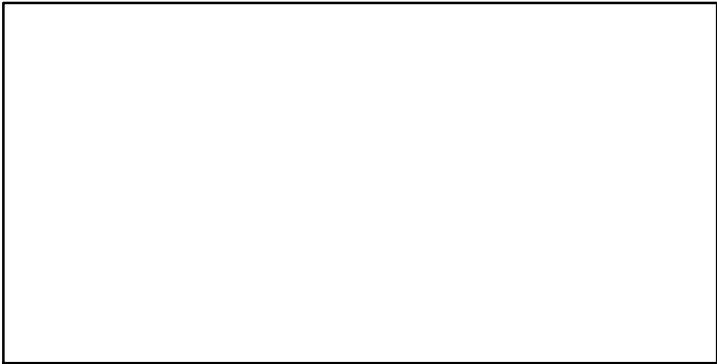
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*

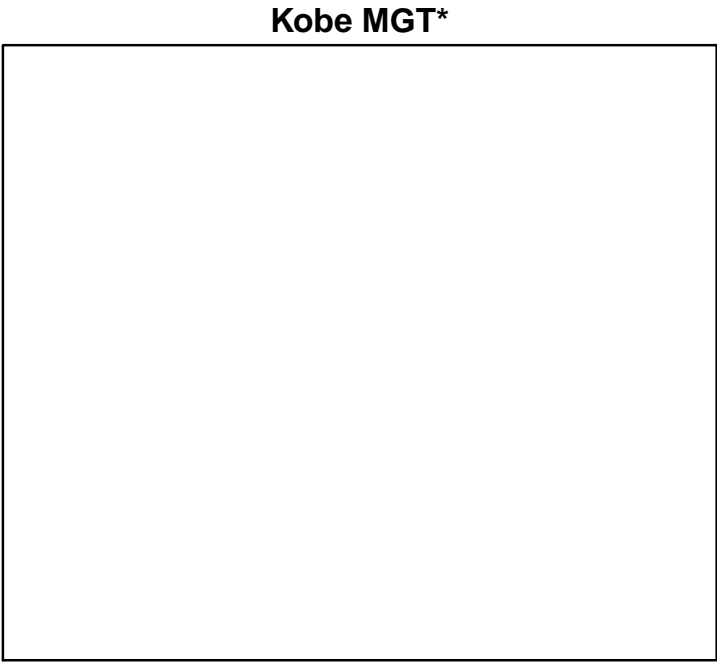
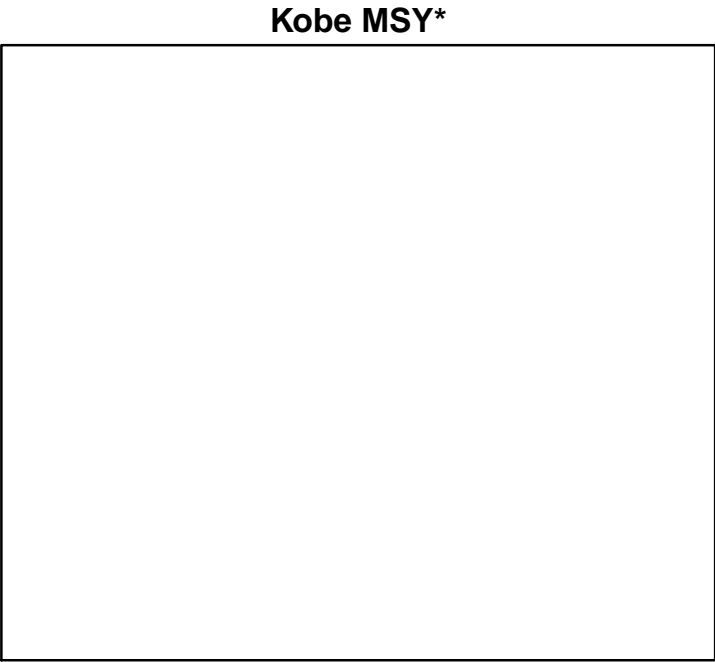


European Plaice VIIh-k [PLAICVIIh-k]

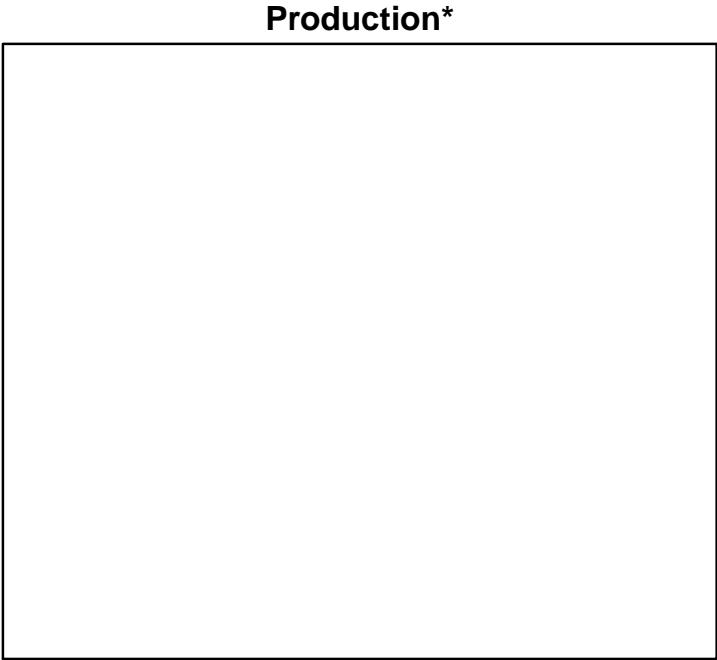
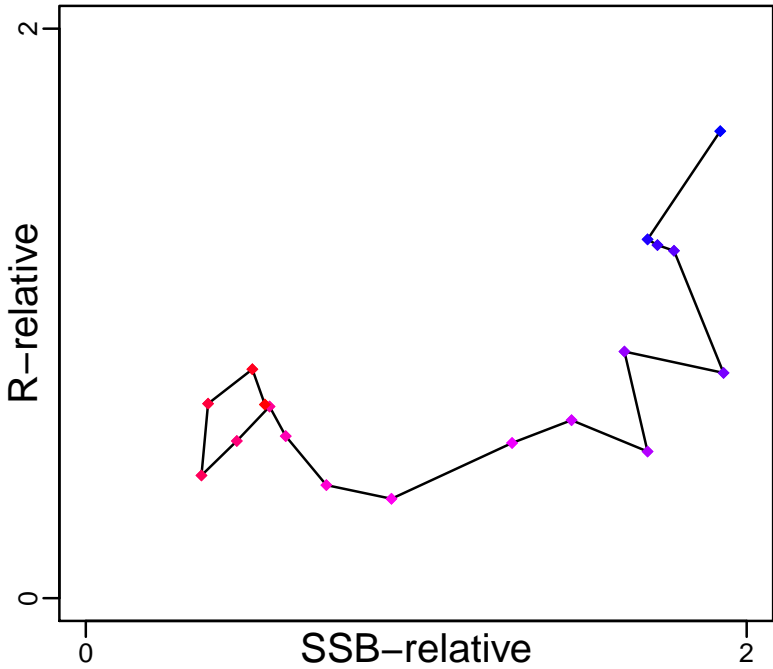
Metadata	
Scientific Name	Pleuronectes platessa
Current Assess ID	WGCSE-PLAICVIIh-k-1989-2015-ICESIMP2016
Area	VIIh-k
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2014, 2015

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	SSB-relative	2015	0.575	Both	-
TN	-	-	-	-	-
R	R-relative	2015	0.68	-	4
F	F-relative	2015	1.06	-	4 to 6
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	148		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



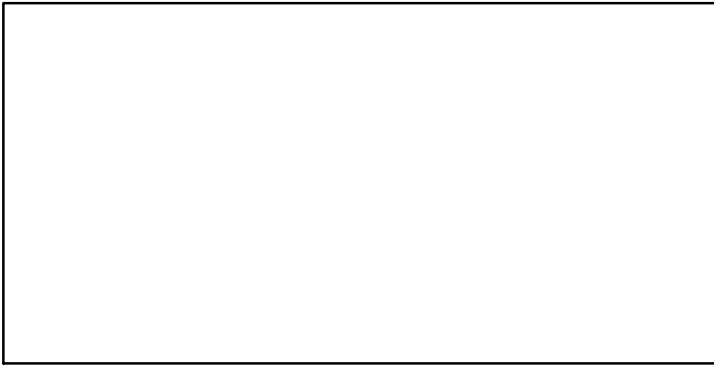
Spawner Recruit (1989–2015–ICESIMP2016)



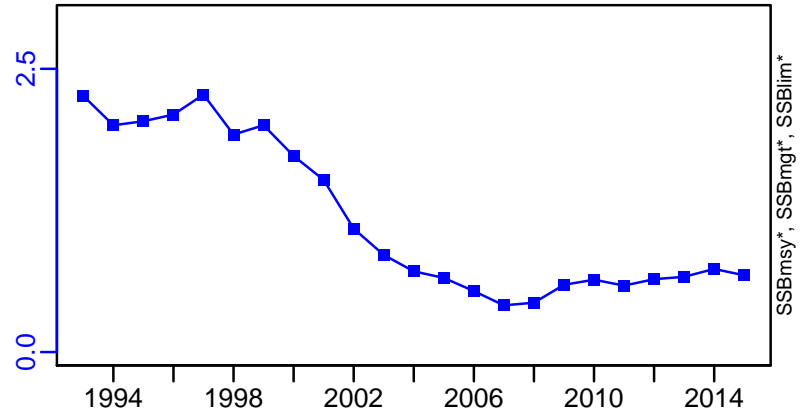
◆ Start Year ◆ End Year * No Data

European Plaice VIIh-k [PLAICVIIh-k]

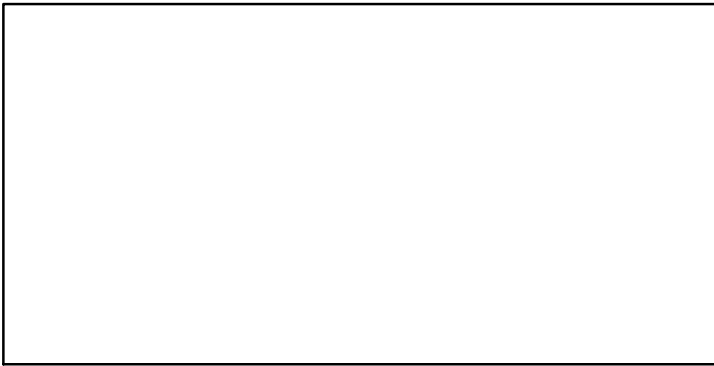
TB*



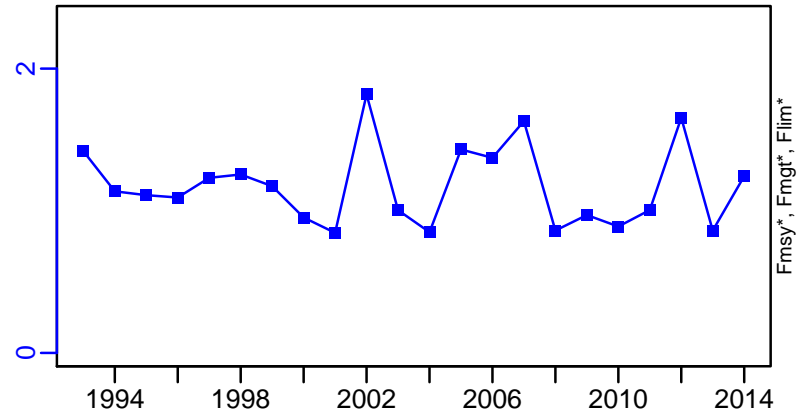
SSB-relative (1989-2015-ICESIMP2016)



TN *



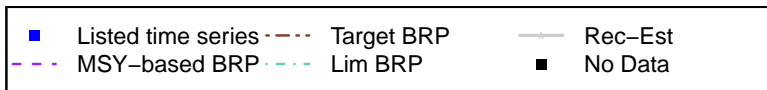
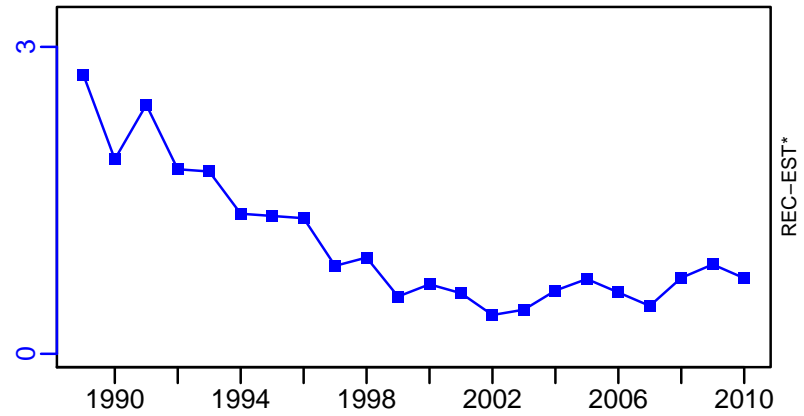
F-relative (1989-2015-ICESIMP2016)



ER*



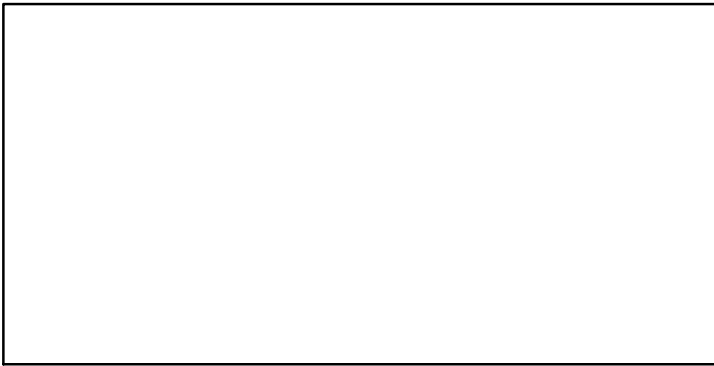
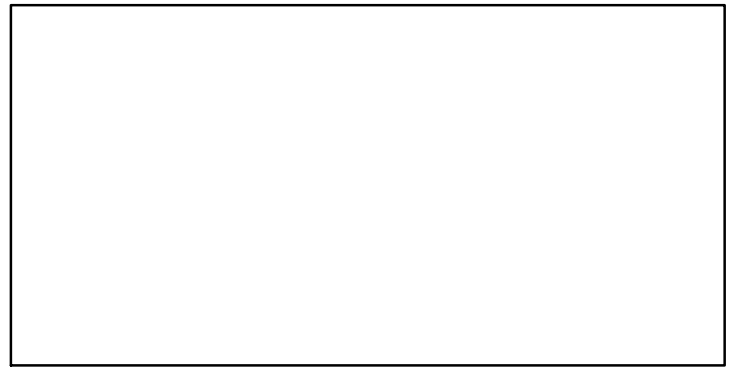
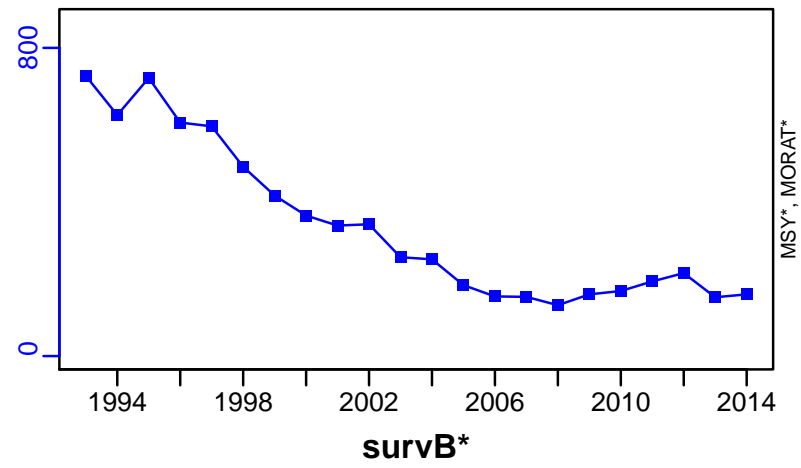
R-relative (1989-2015-ICESIMP2016)



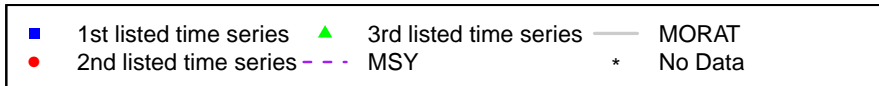
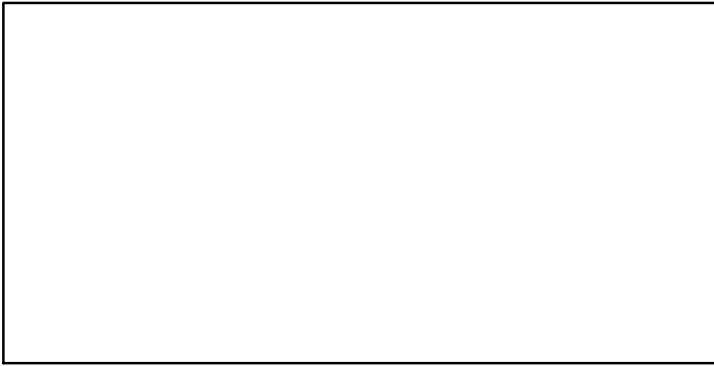
European Plaice VIIh-k [PLAICVIIh-k]

TL-MT, TC*, RecC* (1989-2015-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



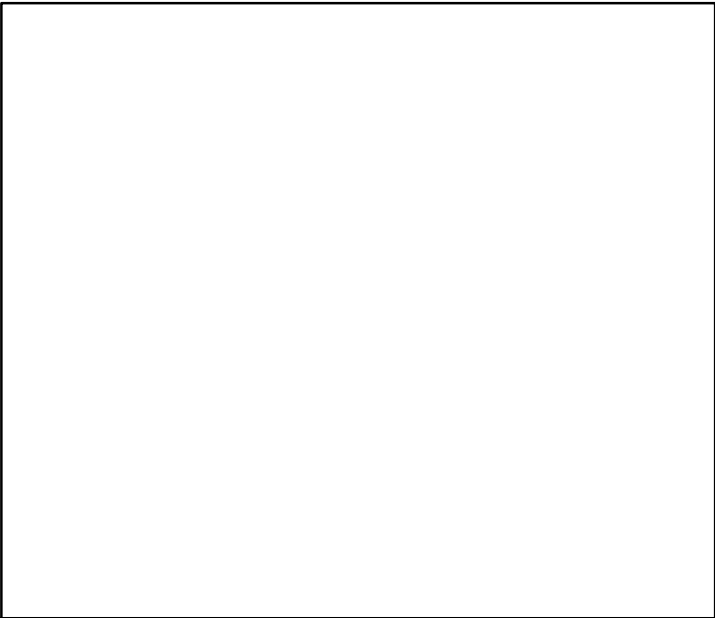
European Plaice VIII and IXa [PLAICVIII-IXa]

Metadata	
Scientific Name	Pleuronectes platessa
Current Assess ID	WGBIE-PLAICVIII-IXa-1994-2015-ICESIMP2016
Area	VIII and IXa
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2015

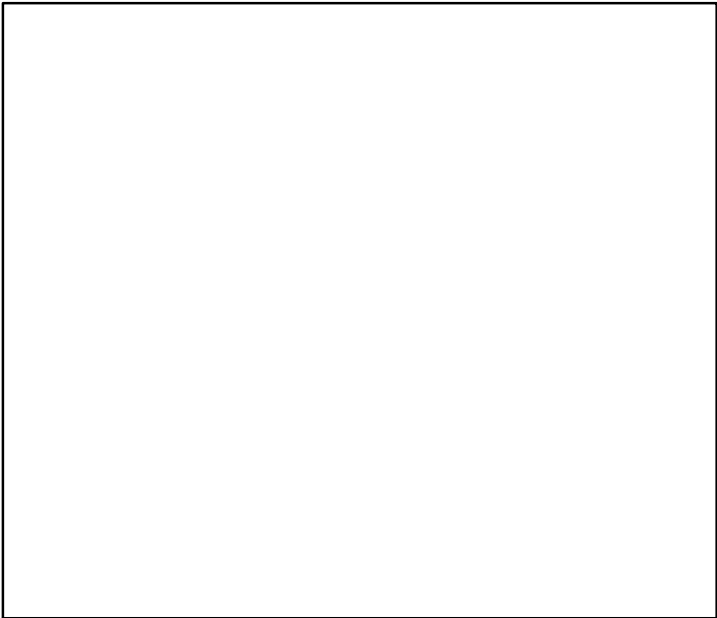
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	220		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

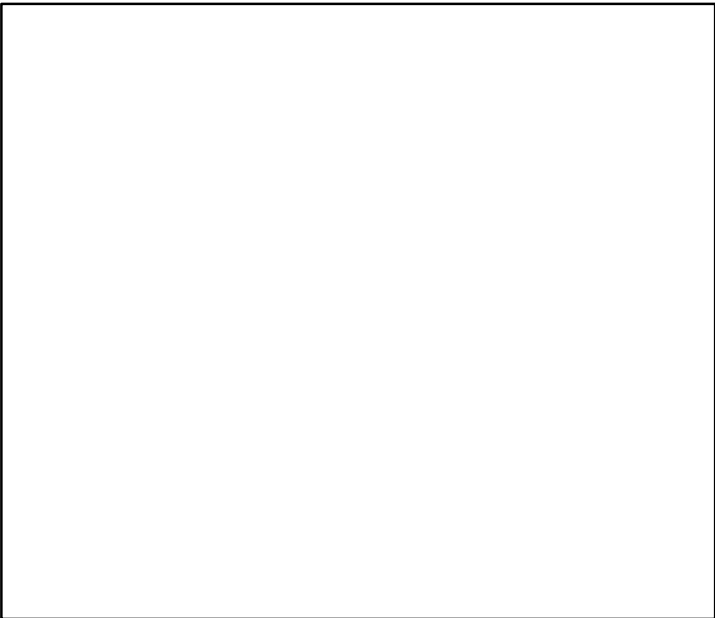
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

European Plaice VIII and IXa [PLAICVIII–IXa]

TB*



SSB*



TN *



F*



ER*

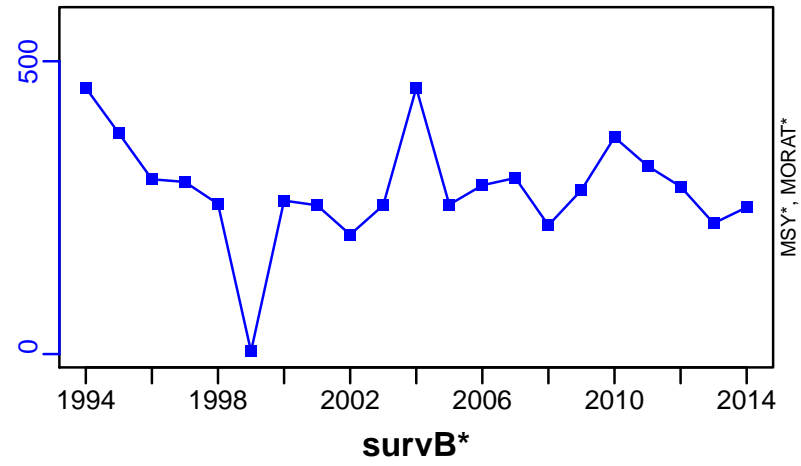


Recruits*



European Plaice VIII and IXa [PLAICVIII–IXa]

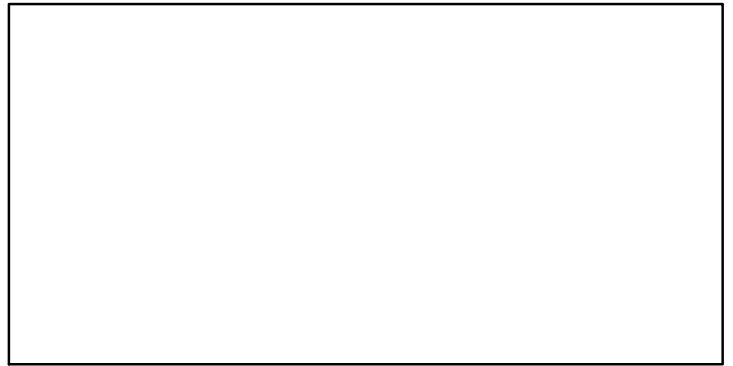
TL–MT, TC*, RecC* (1994–2015–ICESIMP2016)



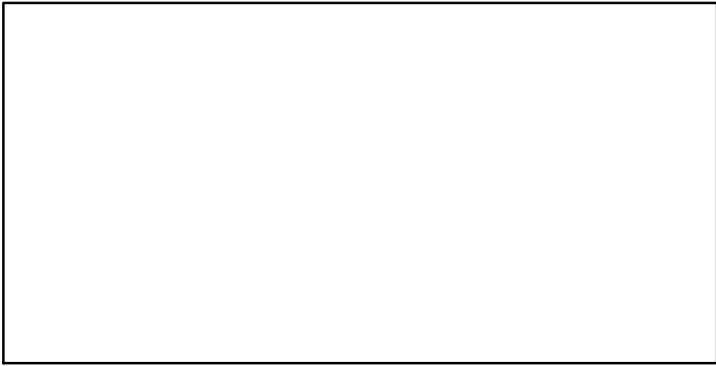
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Pollock ICES IIIa, VI and North Sea [POLLNS-VI-IIIa]

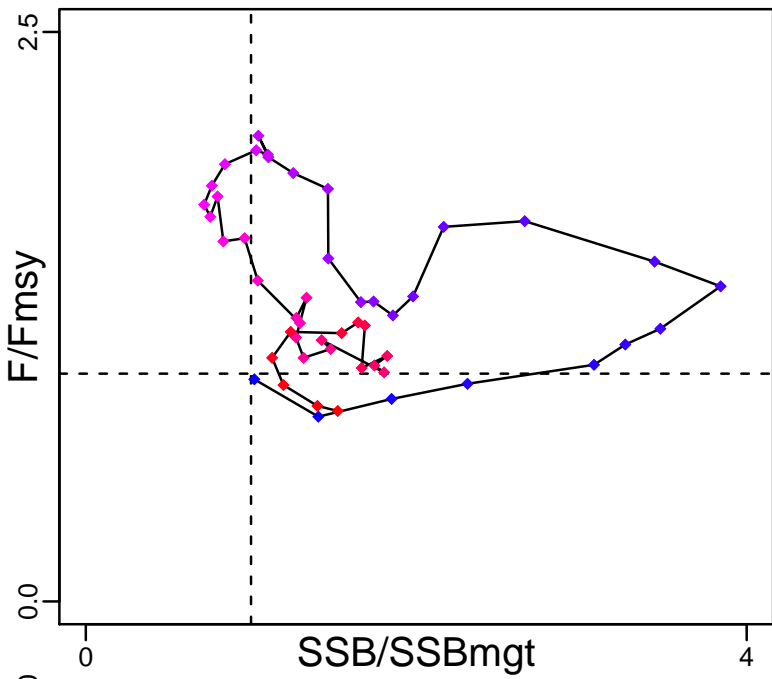
Metadata	
Scientific Name	Pollachius virens
Current Assess ID	WGNSSK-POLLNS-VI-IIIa-1964-2016-ICESIMP2016
Area	IIIa, VI and North Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2012, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.36
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	150,000
Fmgt	Fmgt-1/yr	2016	0.36
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2012	2×10^5
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	107,000
Flim	Flim-1/yr	2016	0.564
ERlim	-	-	-

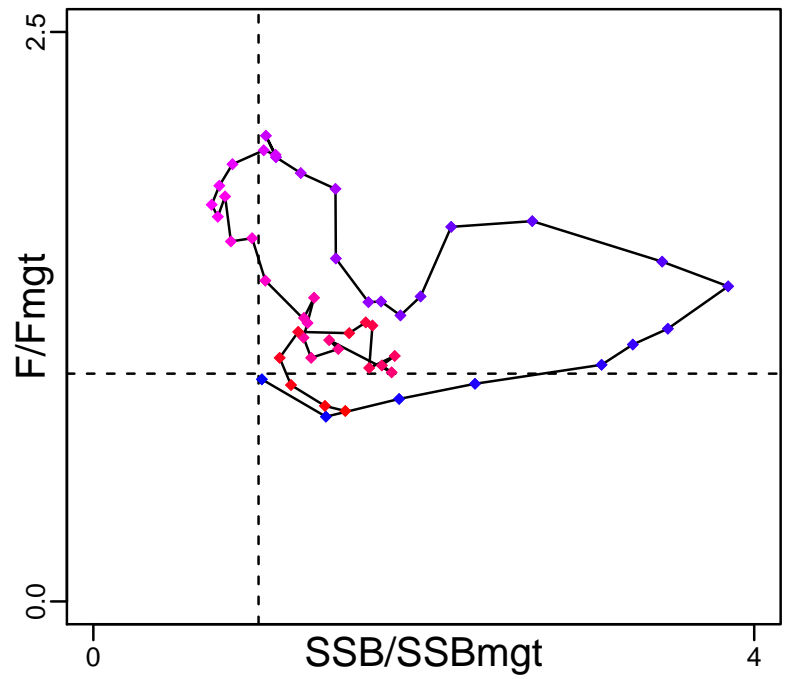
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	417,000	Both	-
SSB	SSB-MT	2016	240,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	1.02×10^8	-	3
F	F-1/yr	2016	0.301	-	4 to 7
ER	ER-calc-ratio	2016	0.2	-	-
TC	TC-MT	2016	83,300		
TL	TL-MT	2016	78,300		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.836		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.597		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.836		
ER/ERmgt	-	-	-		

Pollock ICES IIIa, VI and North Sea [POLLNS-VI-IIIa]

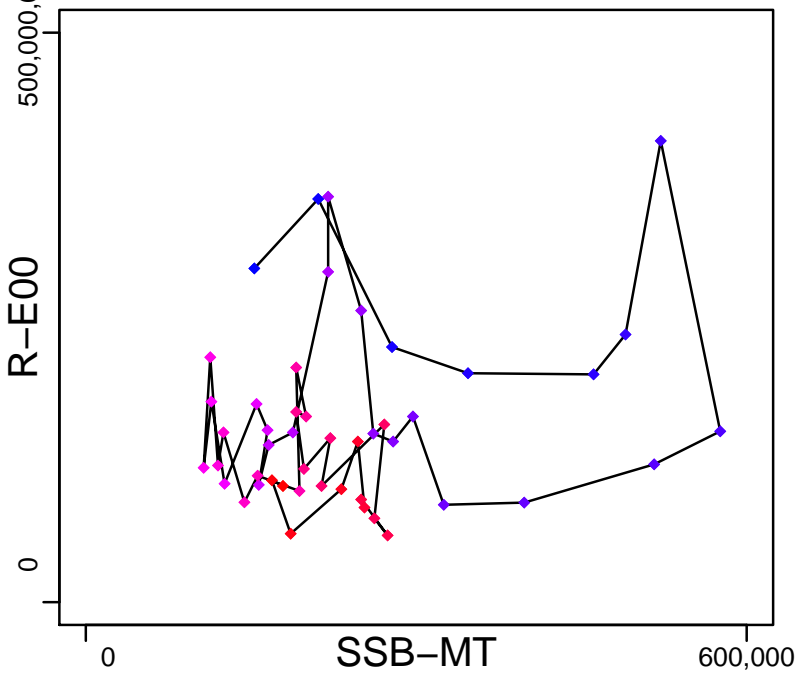
Kobe MSYpref (1964–2016–ICESIMP2016)



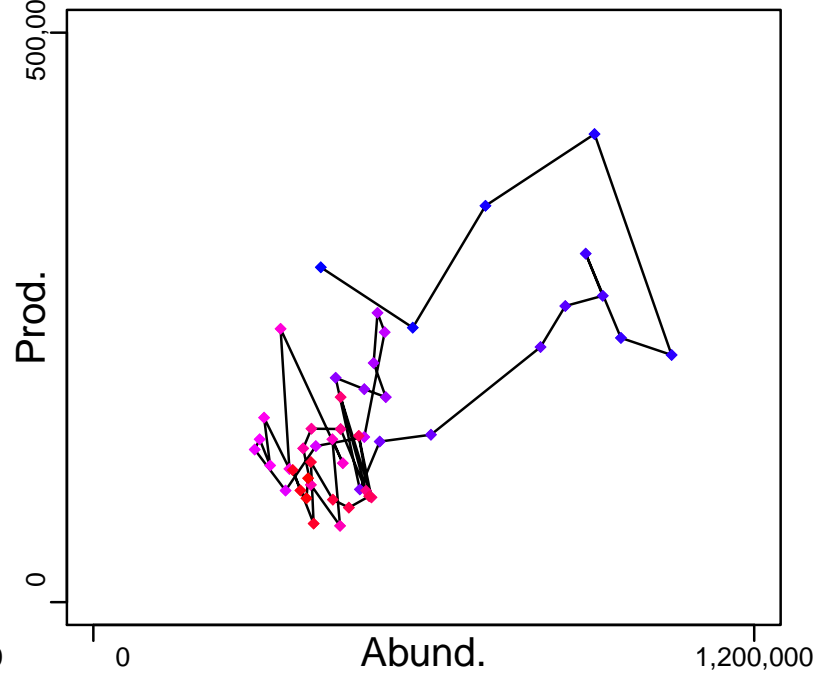
Kobe MGTpref (1964–2016–ICESIMP2016)



Spawner Recruit (1964–2016–ICESIMP2016)



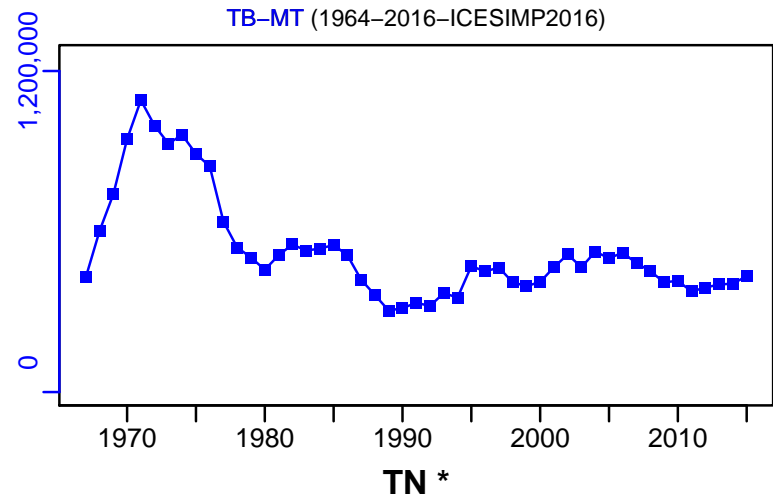
Production (1964–2016–ICESIMP2016)



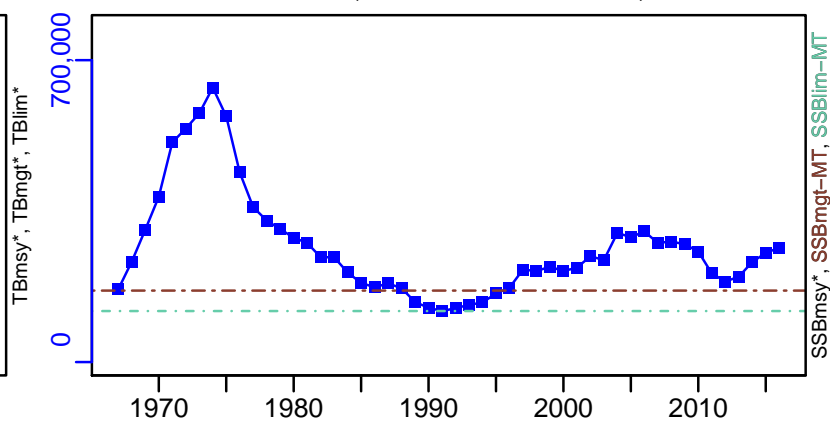
◆ Start Year ◆ End Year * No Data

Pollock ICES IIIa, VI and North Sea [POLLNS-VI-IIIa]

TB-MT (1964–2016–ICESIMP2016)



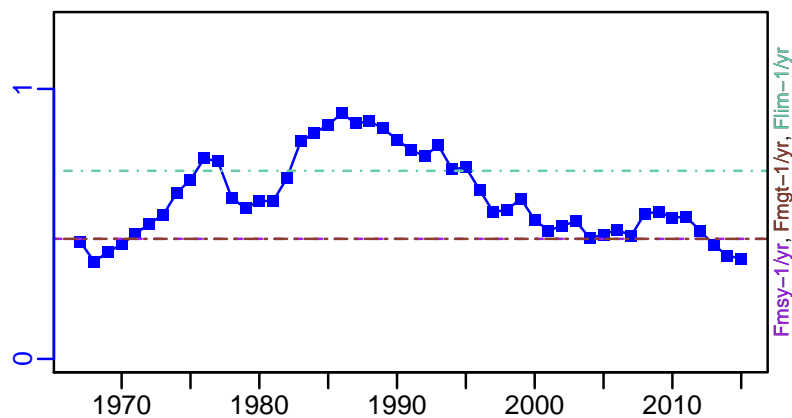
SSB-MT (1964–2016–ICESIMP2016)



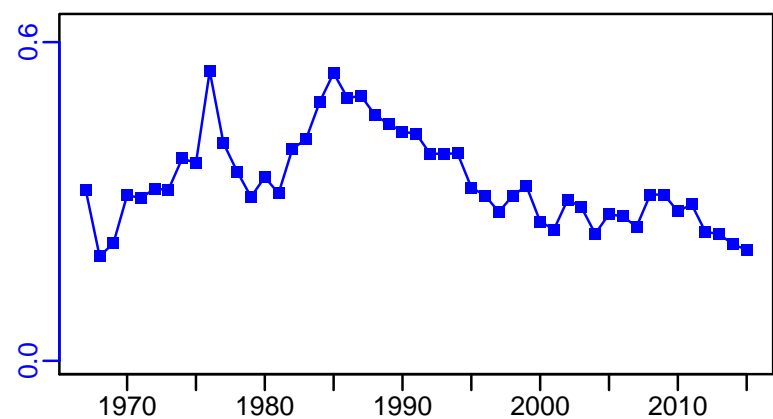
TN *



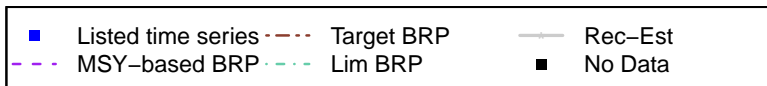
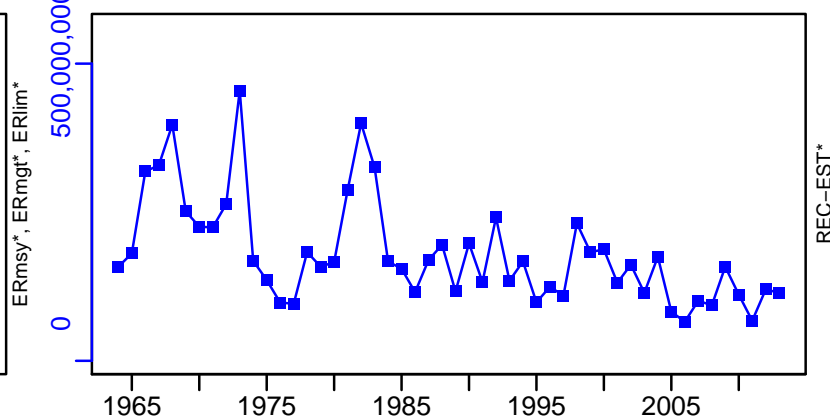
F-1/yr (1964–2016–ICESIMP2016)



ER-calc-ratio (1964–2016–ICESIMP2016)

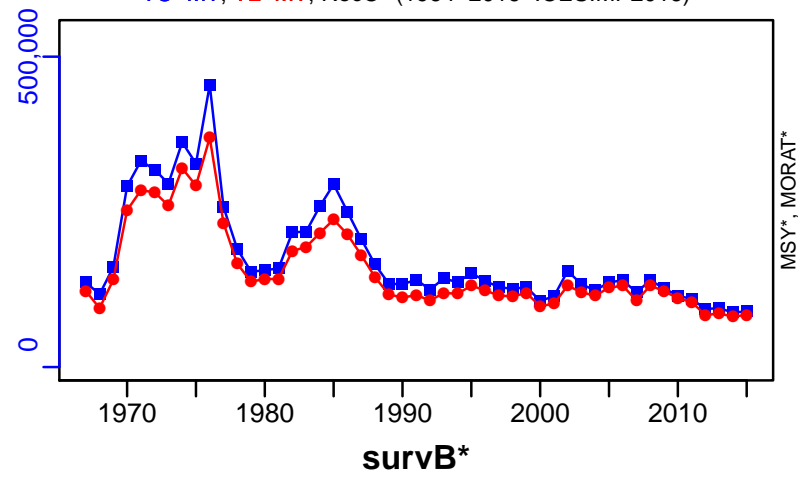


R-E00 (1964–2016–ICESIMP2016)

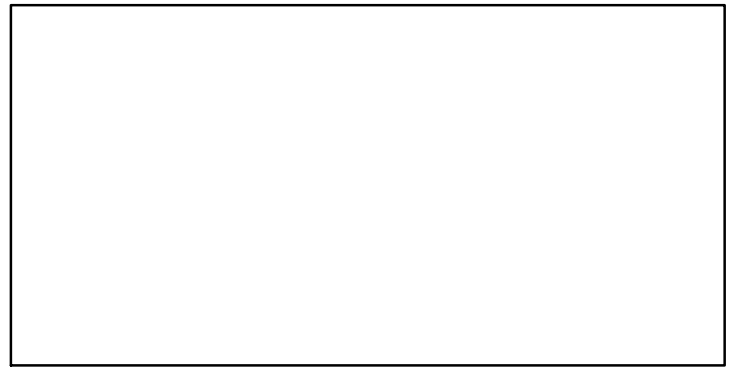


Pollock ICES IIIa, VI and North Sea [POLLNS-VI-IIIa]

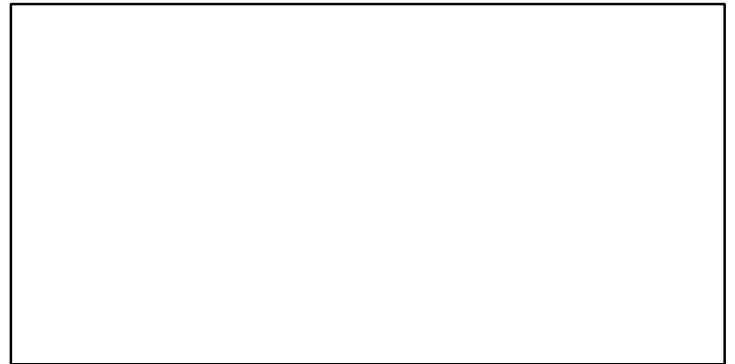
TC-MT, TL-MT, RecC* (1964–2016–ICESIMP2016)



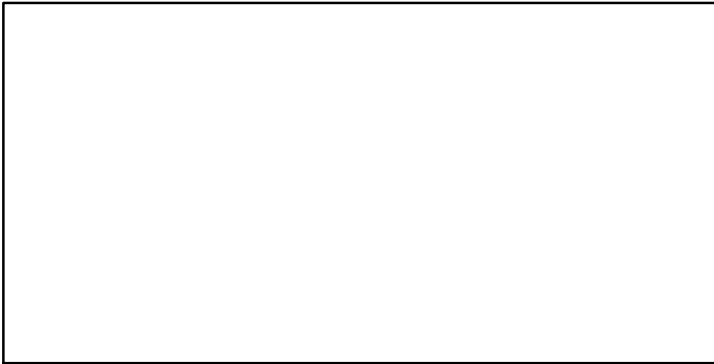
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

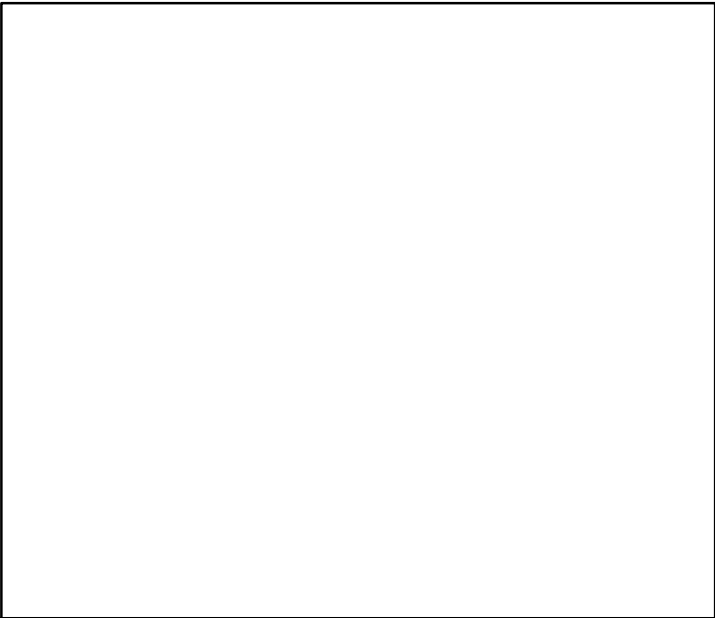
Red seabream IX [RBRMIX]

Metadata	
Scientific Name	Pagellus bogaraveo
Current Assess ID	WGDEEP-RBRMIX-1983-2016-ICESIMP2016
Area	IX
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2016

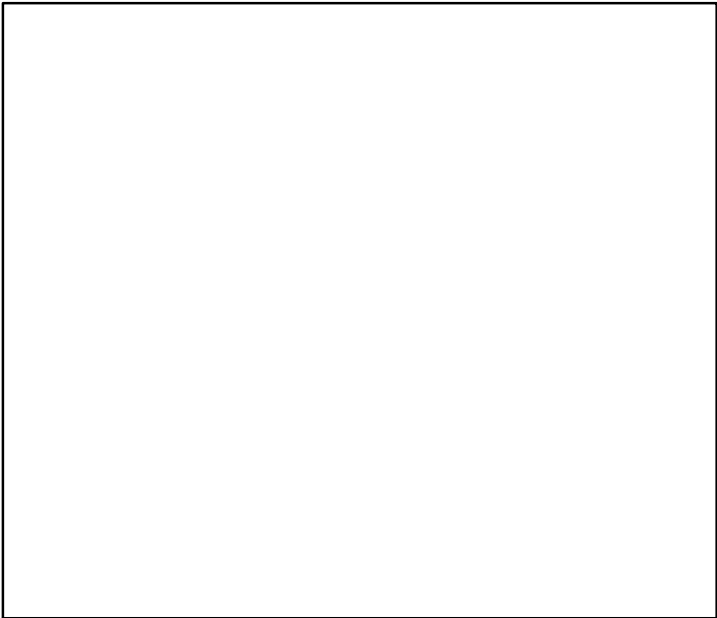
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	295		
TL	TL-MT	2016	295		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

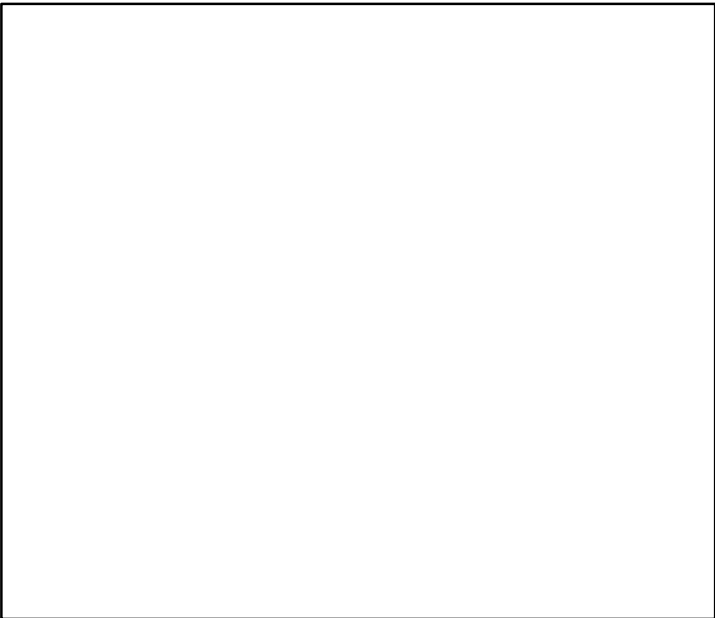
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Red seabream IX [RBRMIX]

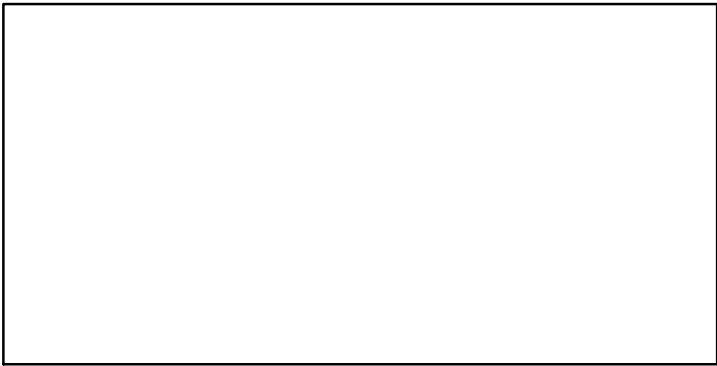
TB*



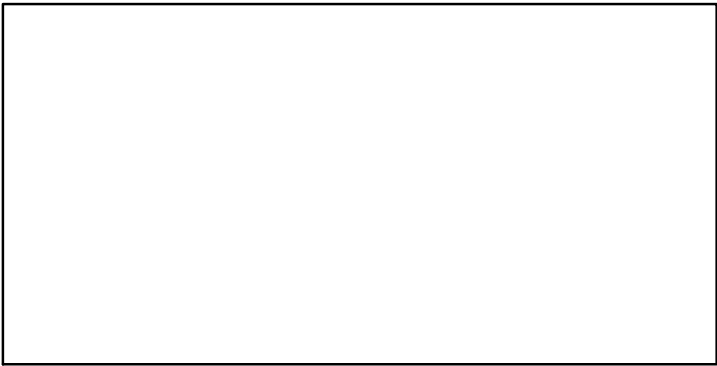
SSB*



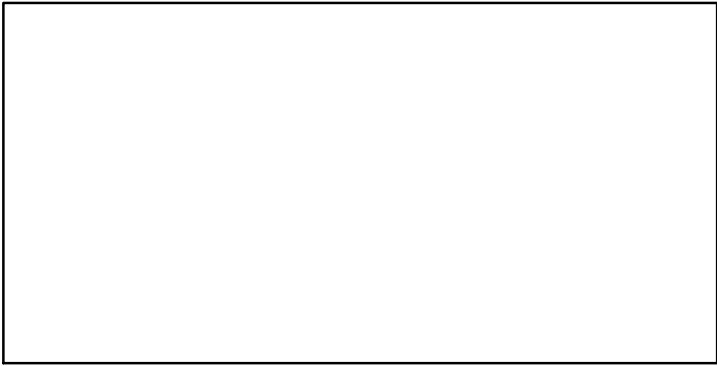
TN *



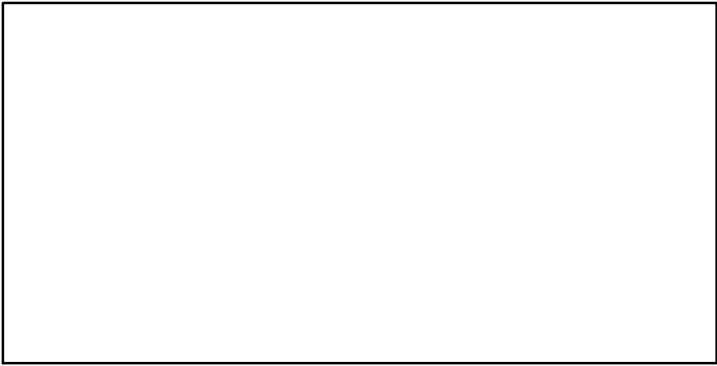
F*



ER*

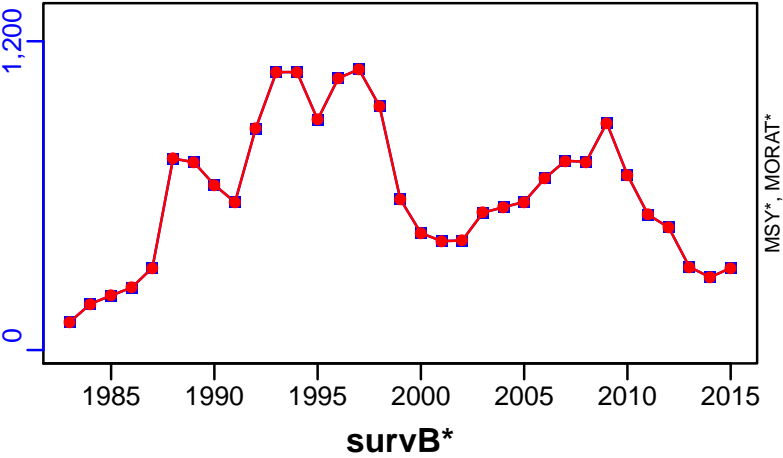


Recruits*

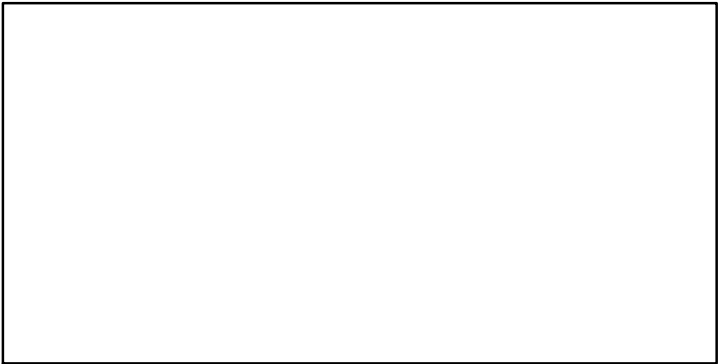


Red seabream IX [RBRMIX]

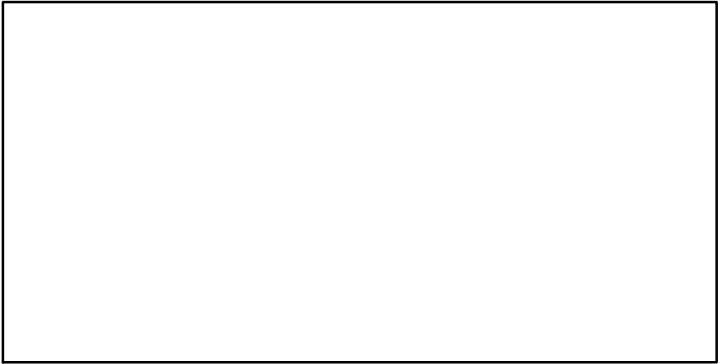
TC-MT, TL-MT, RecC* (1983–2016–ICESIMP2016)



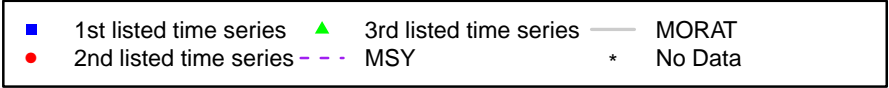
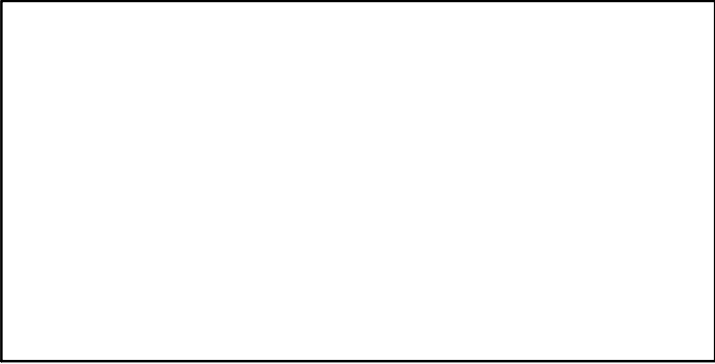
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Red seabream VI-VII-VIII [RBRMVI-VII-VIII]

Metadata	
Scientific Name	Pagellus bogaraveo
Current Assess ID	WGDEEP-RBRMVI-VII-VIII-1948-2016-ICESIMP2016
Area	VI-VII-VIII
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2016

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	2016	177		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Red seabream VI–VII–VIII [RBRMVI–VII–VIII]

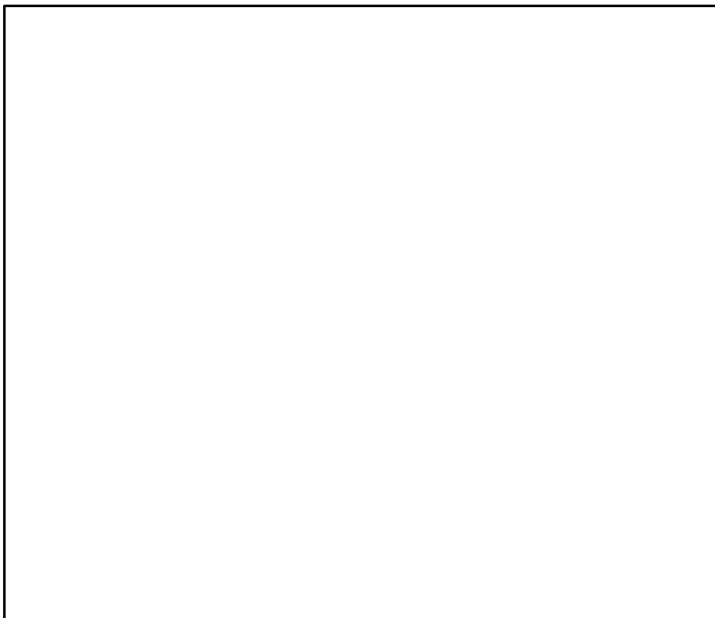
Kobe MSY*



Kobe MGT*



Spawner Recruit*



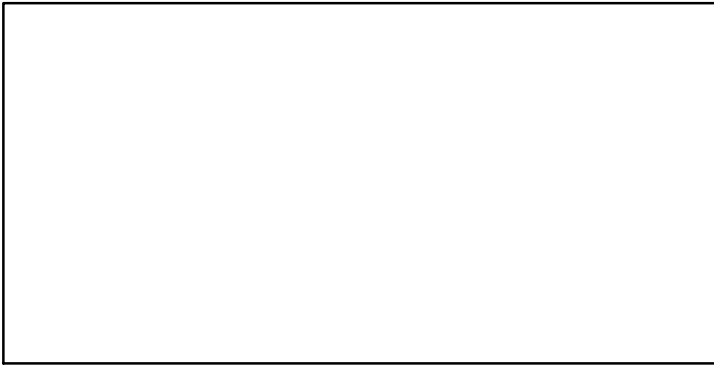
Production*



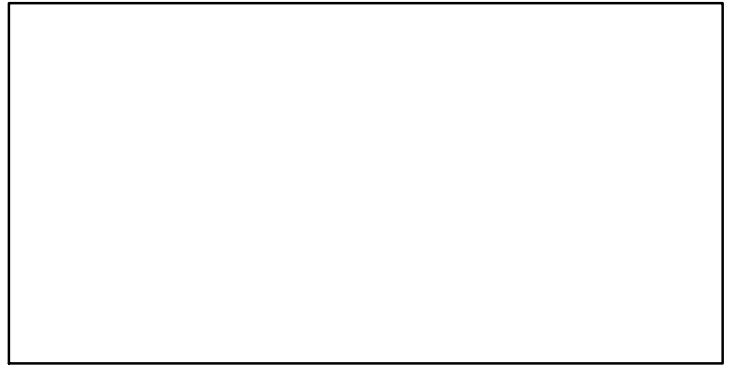
◆ Start Year ◆ End Year * No Data

Red seabream VI–VII–VIII [RBRMVI–VII–VIII]

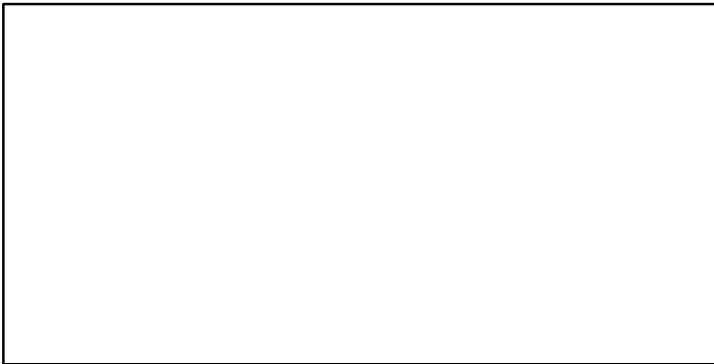
TB*



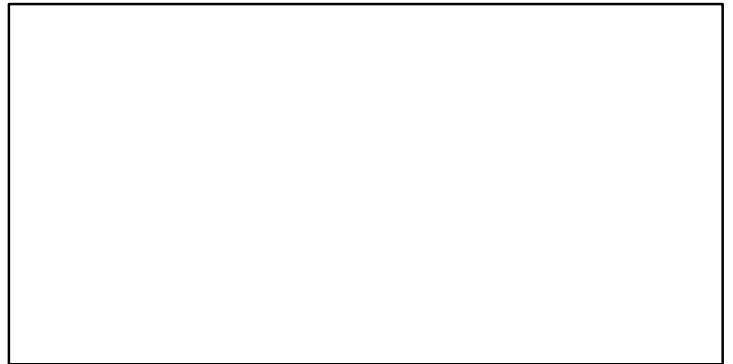
SSB*



TN *



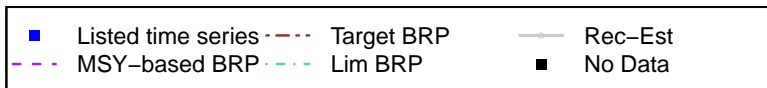
F*



ER*

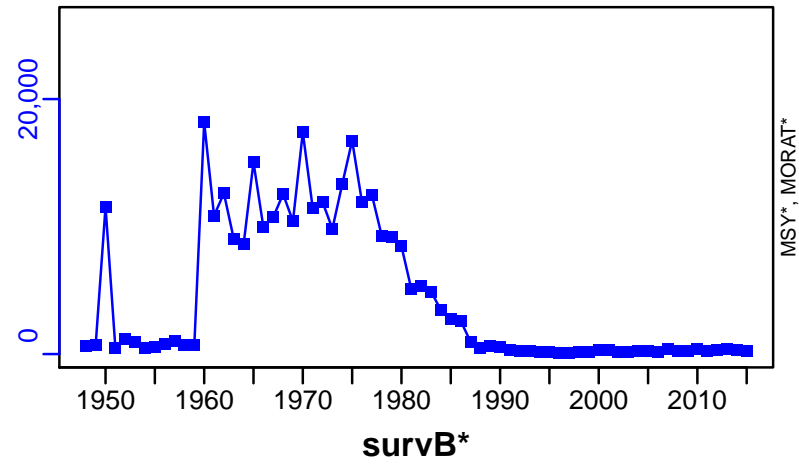


Recruits*

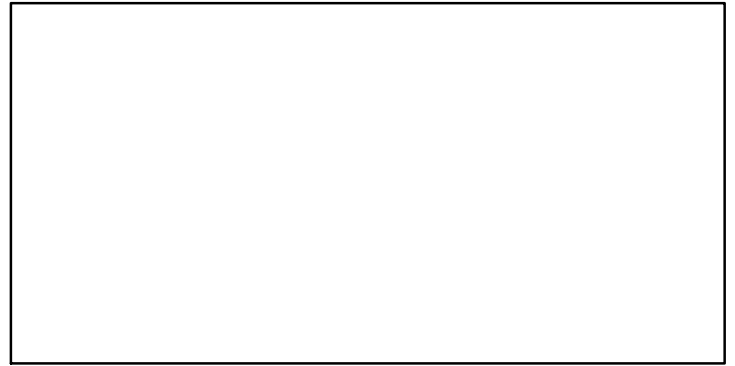


Red seabream VI–VII–VIII [RBRMVI–VII–VIII]

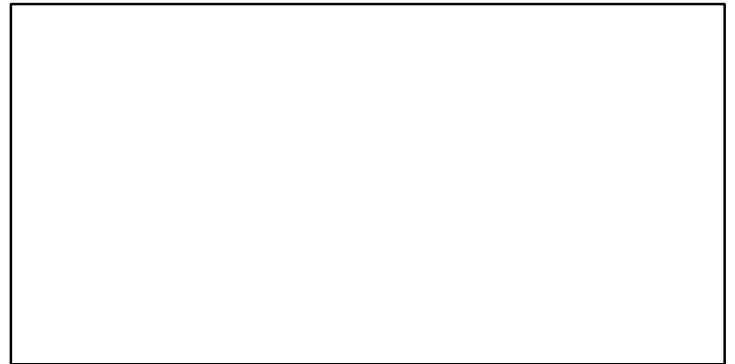
TL–MT, TC*, RecC* (1948–2016–ICESIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

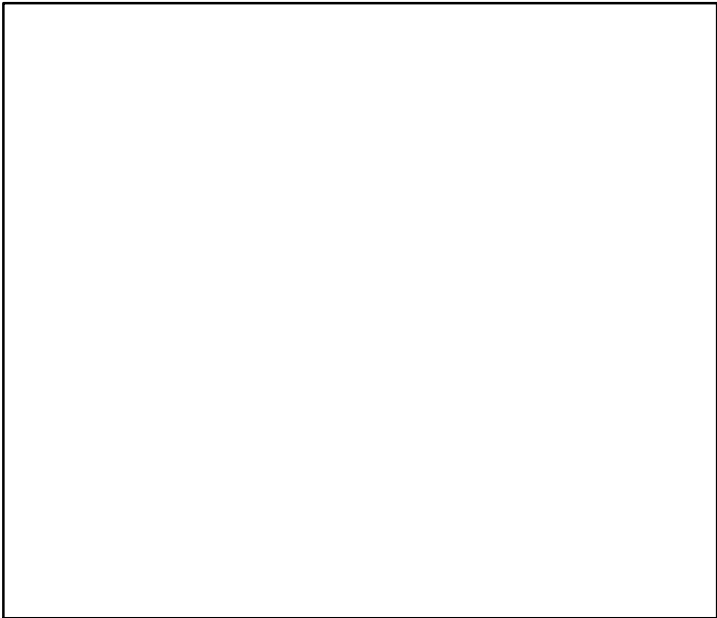
Red seabream Azores Grounds [RBRMX]

Metadata	
Scientific Name	Pagellus bogaraveo
Current Assess ID	WGDEEP-RBRMX-1980-2016-ICESIMP2016
Area	Azores Grounds
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2016

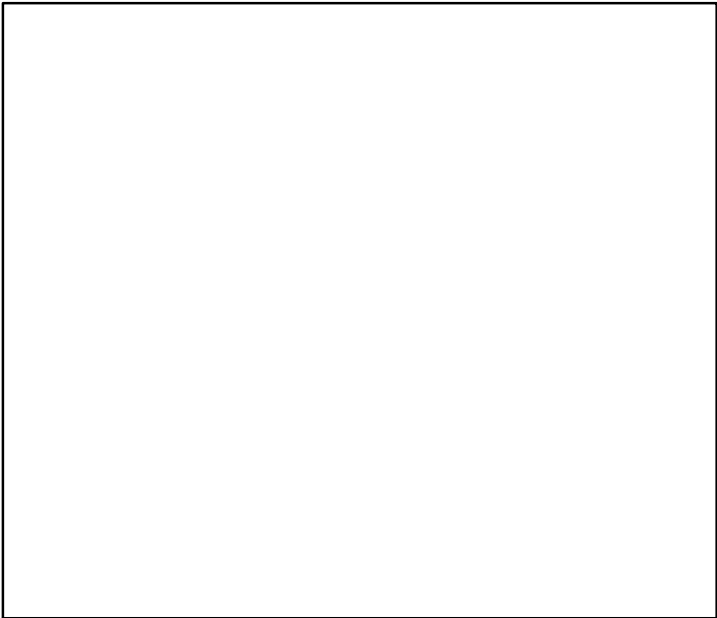
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	701		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

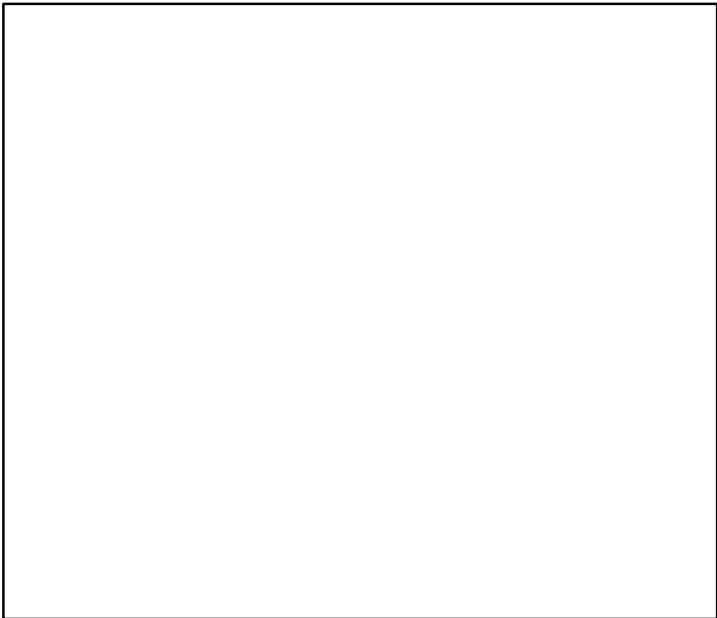
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Red seabream Azores Grounds [RBRMX]

TB*



SSB*



TN *



F*



ER*



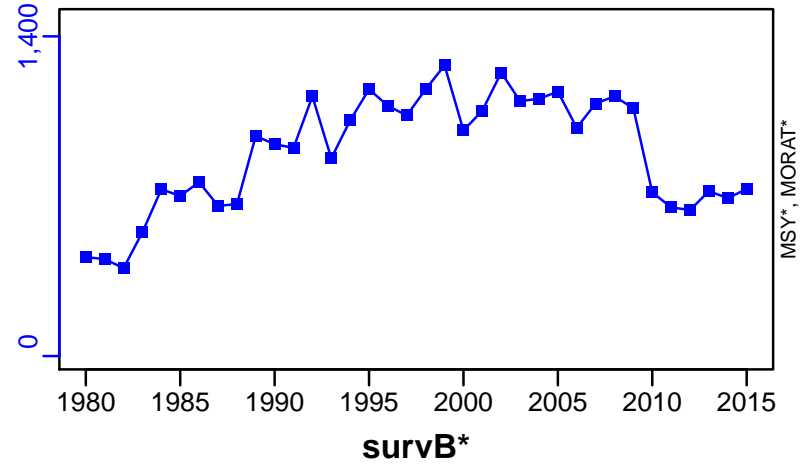
Recruits*



Red seabream Azores Grounds [RBRMX]

TL-MT, TC*, RecC* (1980–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



CPUE*

EFFORT*

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

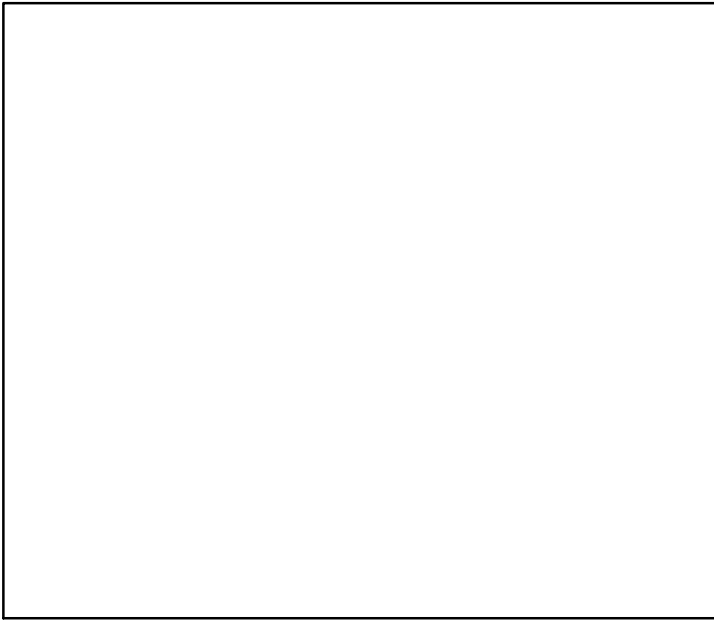
Beaked Redfish Southeast Greenland [REDDEEPXIVb]

Metadata	
Scientific Name	Sebastes mentella
Current Assess ID	NWWG-REDDEEPXIVb-1974-2016-ICESIMP2016
Area	Southeast Greenland
Management Authority	International Council for the Exploration of the Sea
Assessor	North-Western Working Group
Asmts in RAM	2016

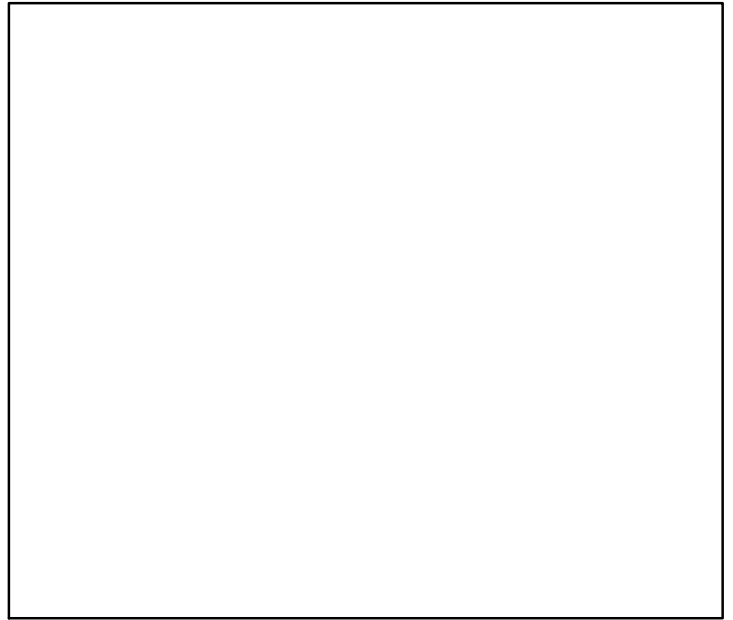
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	5980		
TL	TL-MT	2016	5980		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

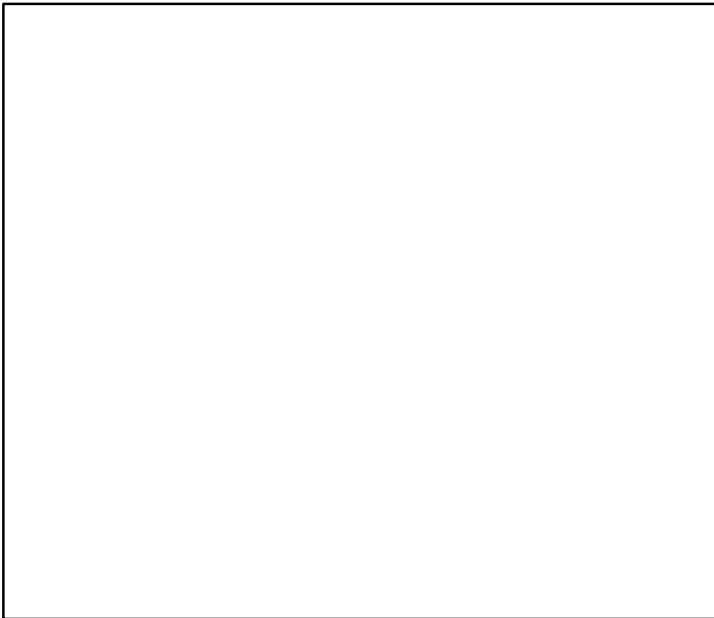
Kobe MSY*



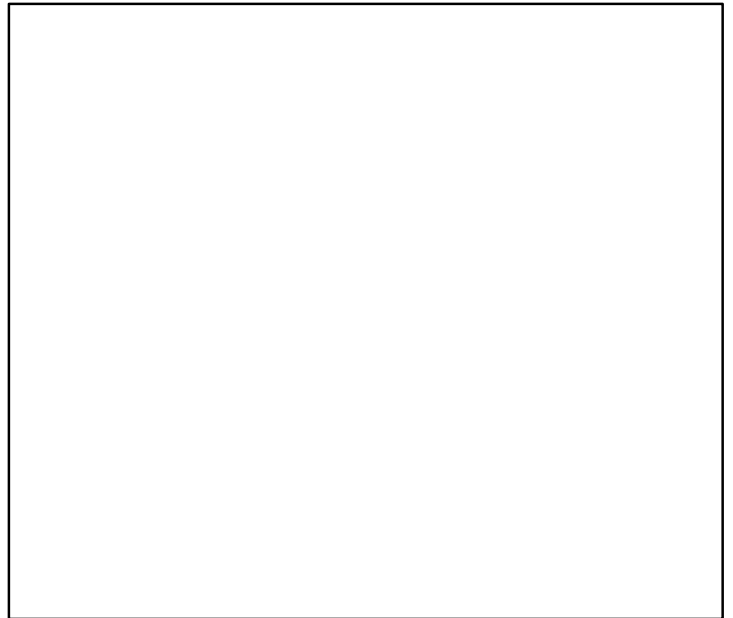
Kobe MGT*



Spawner Recruit*



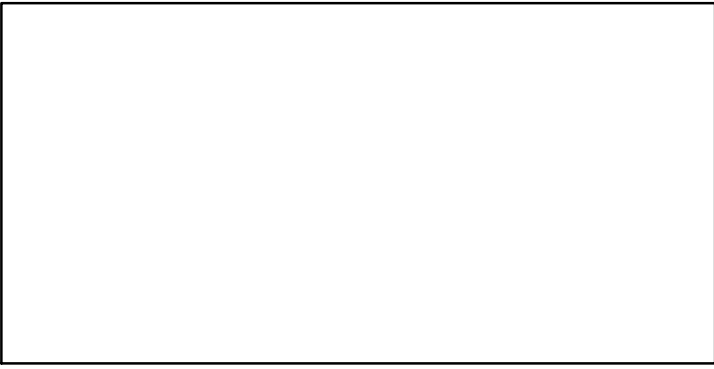
Production*



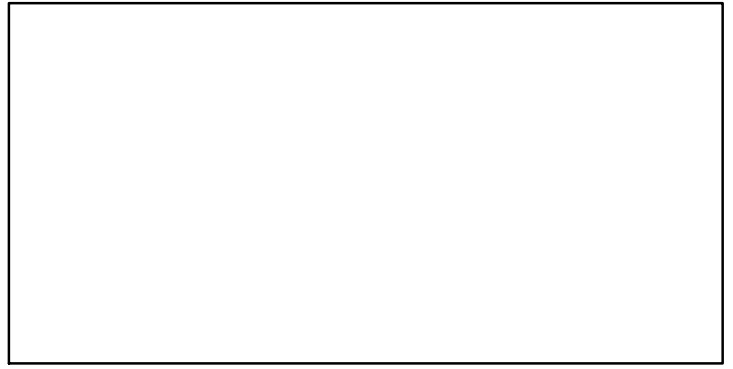
◆ Start Year ◆ End Year * No Data

Beaked Redfish Southeast Greenland [REDDEEPXIVb]

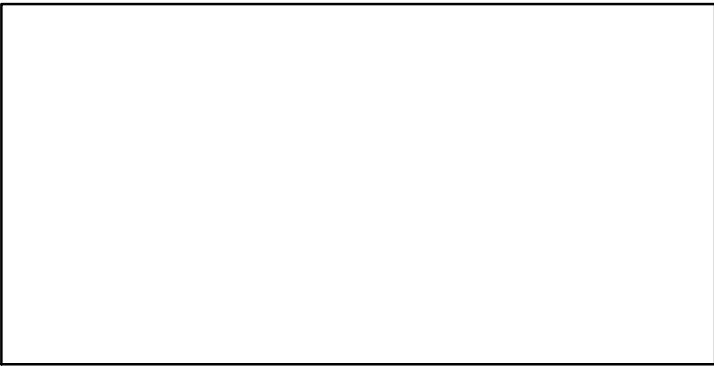
TB*



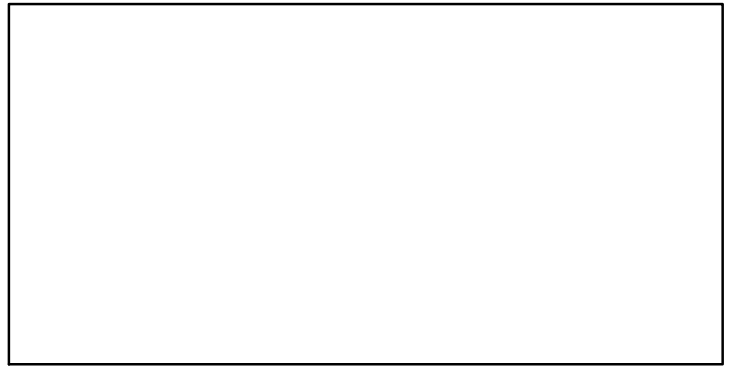
SSB*



TN *



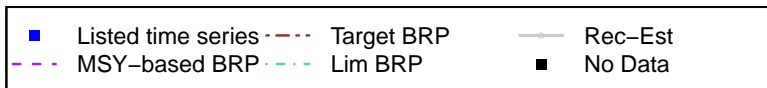
F*



ER*

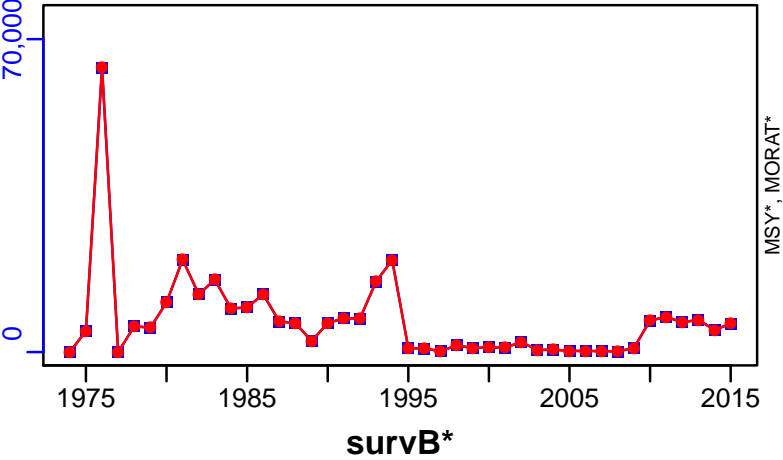


Recruits*



Beaked Redfish Southeast Greenland [REDDEEPXIVb]

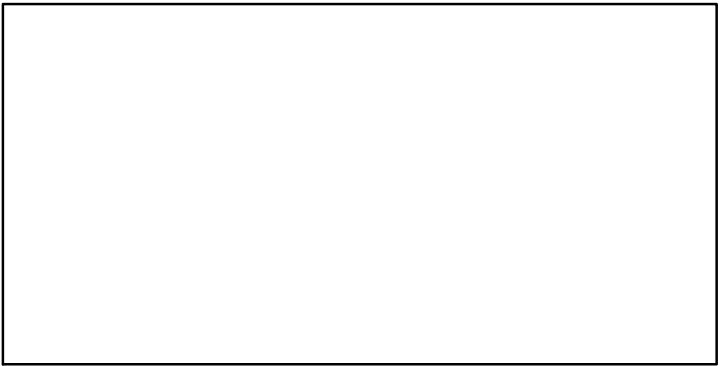
TC-MT, TL-MT, RecC* (1974–2016–ICESIMP2016)



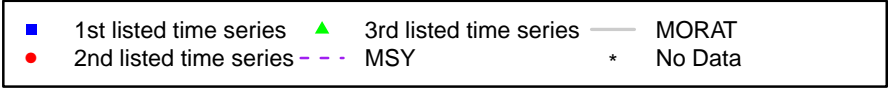
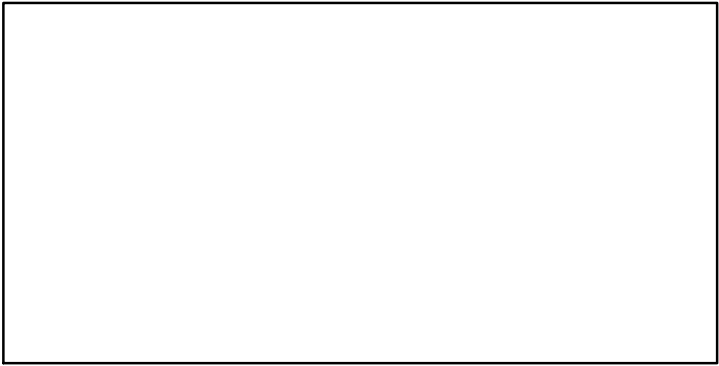
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*

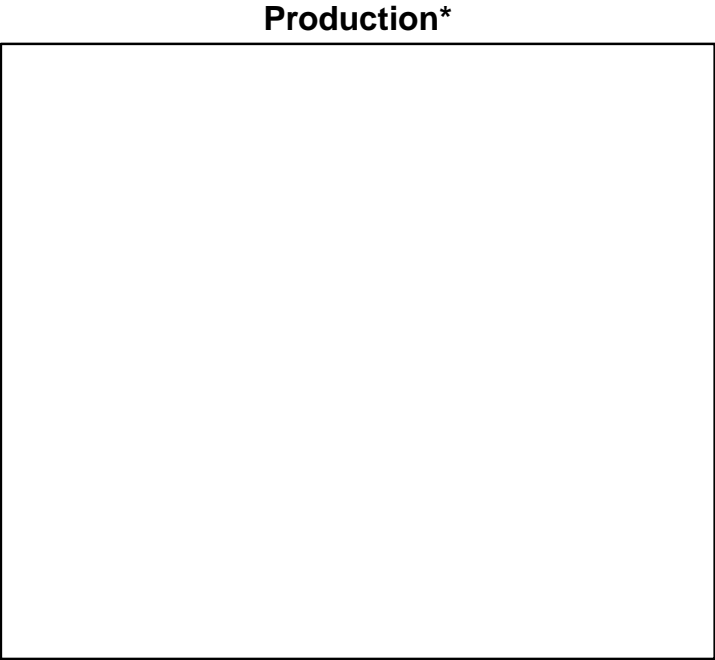
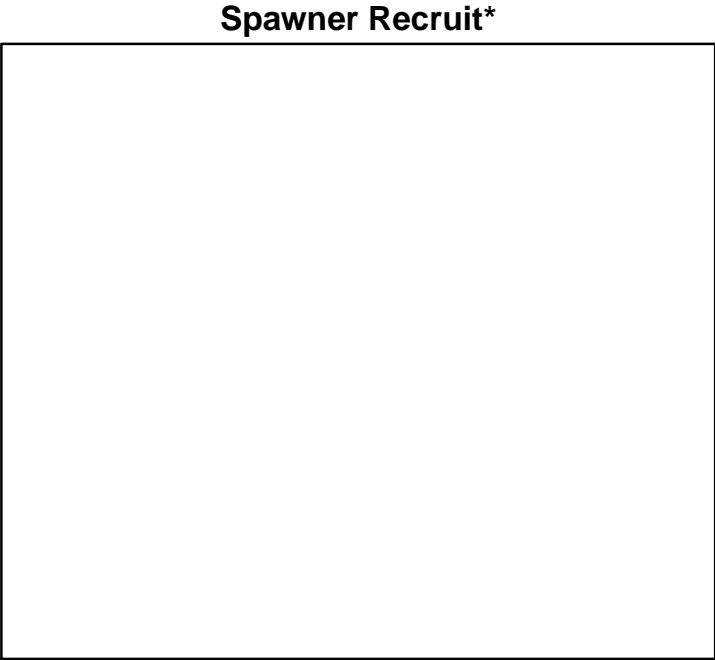
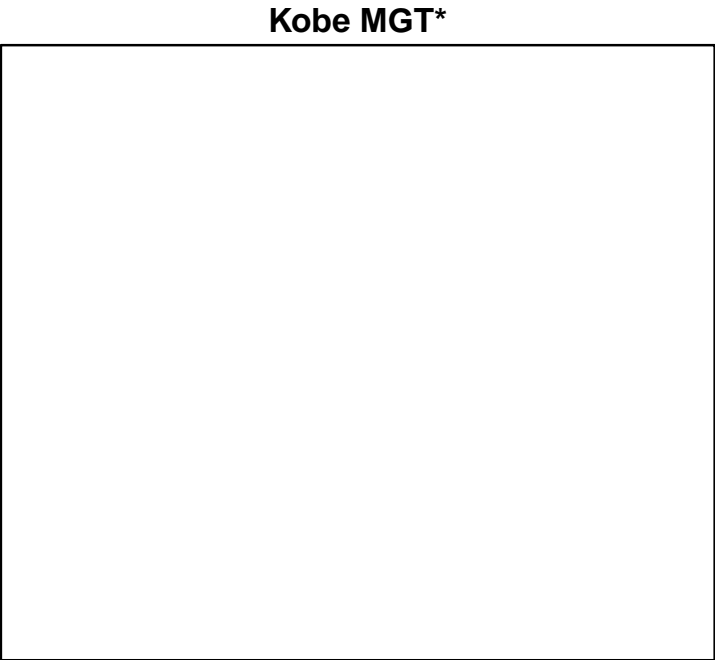
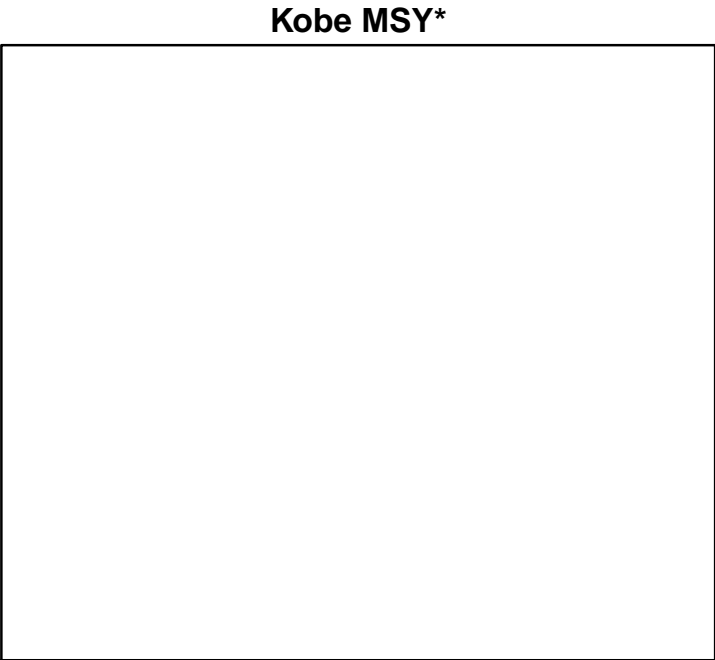


Roughhead grenadier Northeast Atlantic [RHGRENNEATL]

Metadata	
Scientific Name	Macrourus berglax
Current Assess ID	WGDEEP-RHGRENNEATL-1990-2015-ICESIMP2016
Area	Northeast Atlantic
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2015

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	2015	654		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



◆ Start Year ◆ End Year * No Data

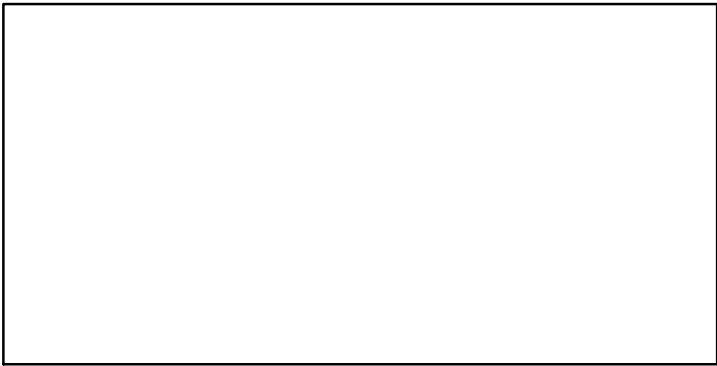
TB*



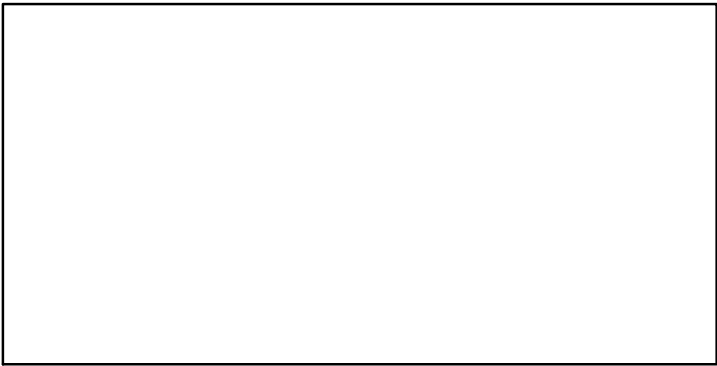
SSB*



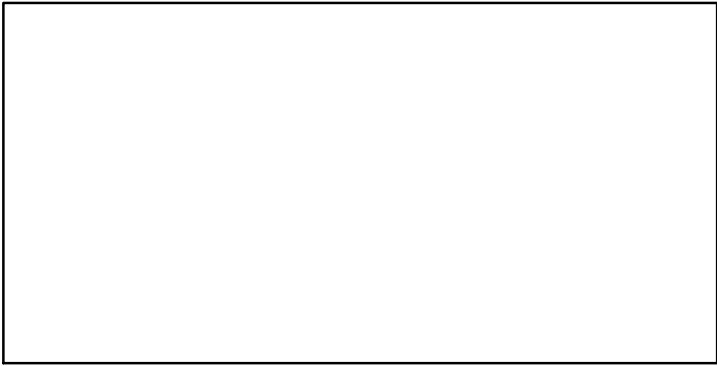
TN *



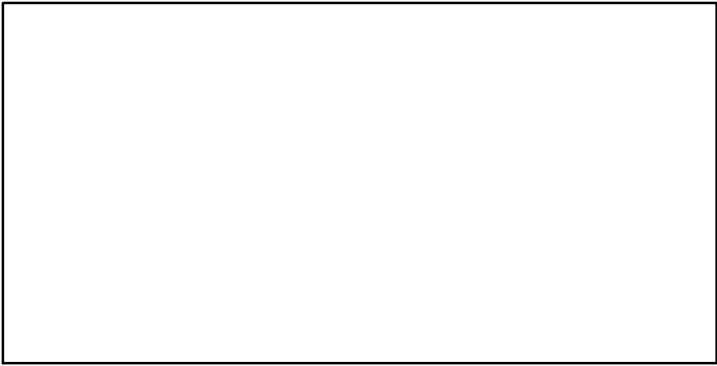
F*



ER*



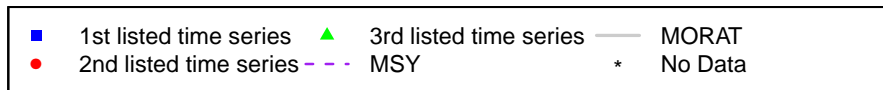
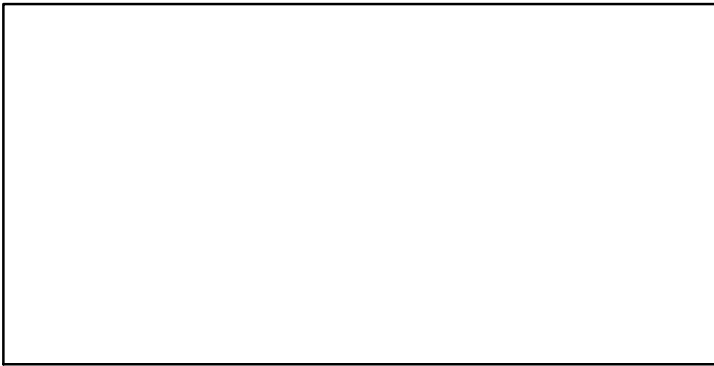
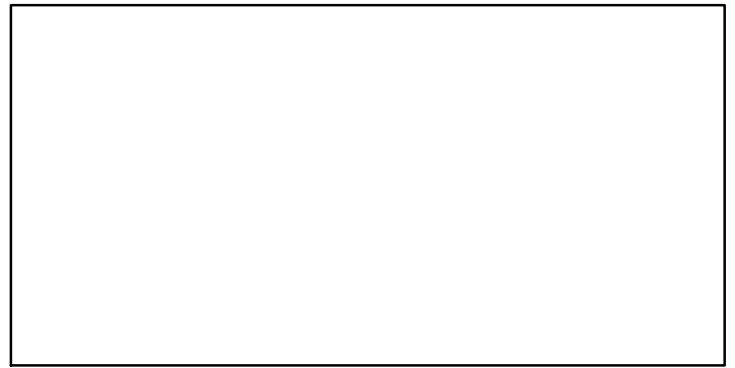
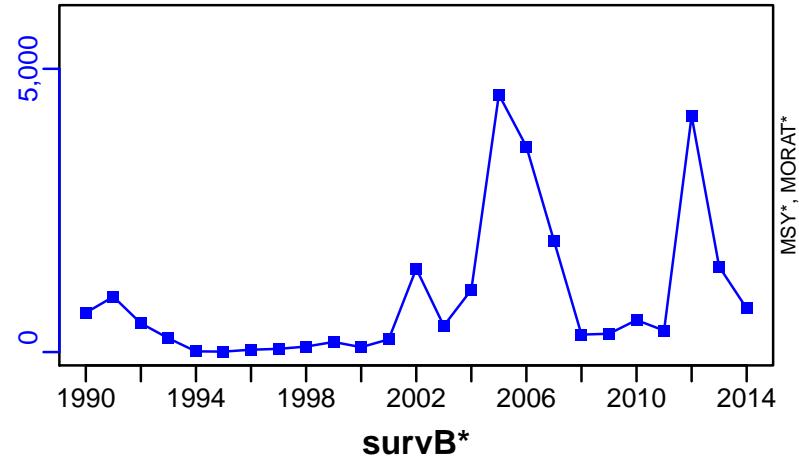
Recruits*



Roughhead grenadier Northeast Atlantic [RHGRENNEATL]

TL-MT, TC*, RecC* (1990–2015–ICESIMP2016)

TAC*, Cpair*, Cadv*



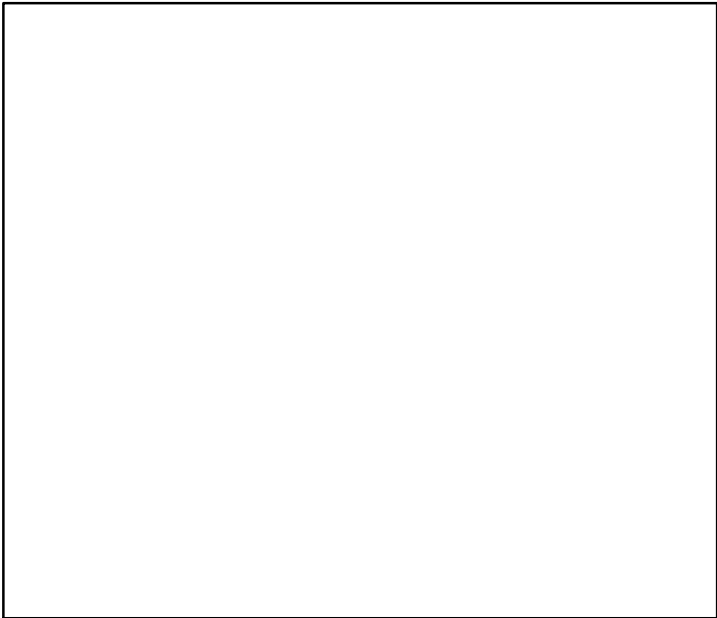
Roundnose grenadier I-II-IV-Va2-VIII-IX-XIVab2 [RNGENI-II-IV-Va2-VIII-IX-XIVab2]

Metadata	
Scientific Name	Coryphaenoides rupestris
Current Assess ID	WGDEEP-RNGENI-II-IV-Va2-VIII-IX-XIVab2-1990-2015-ICESIMP2016
Area	I-II-IV-Va2-VIII-IX-XIVab2
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2015

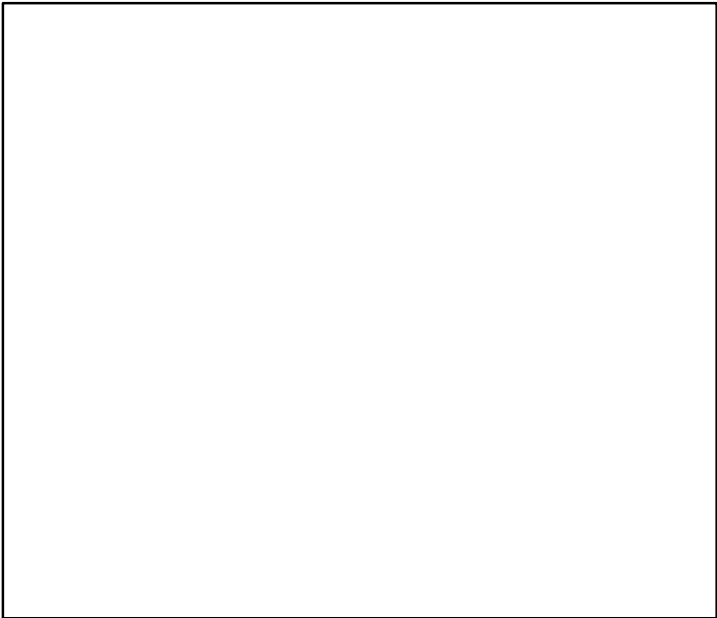
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	51		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

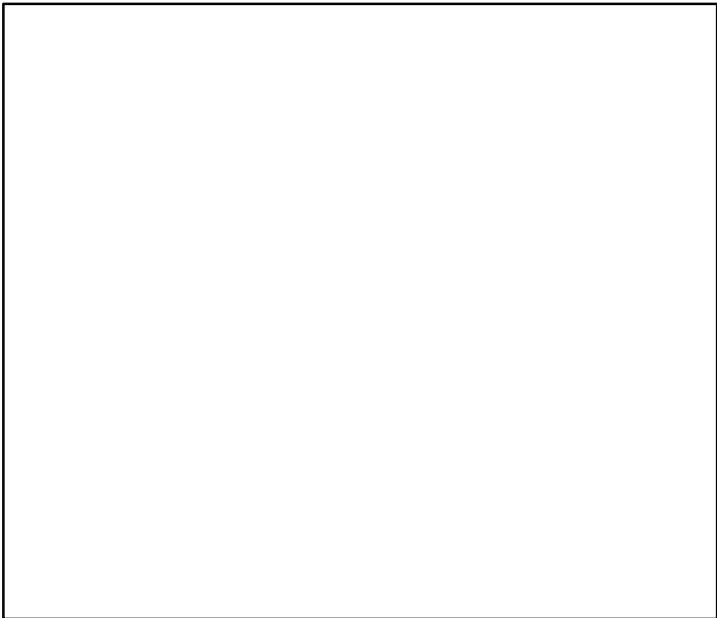
Kobe MSY*



Kobe MGT*



Spawner Recruit*

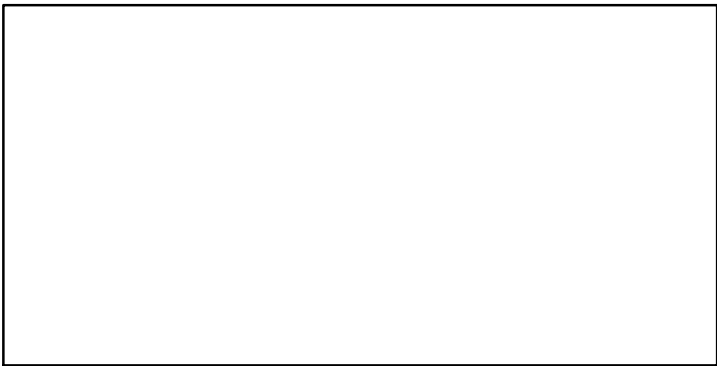


Production*

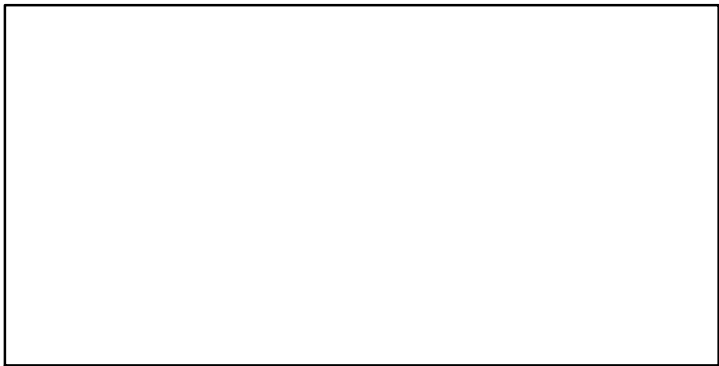


◆ Start Year ◆ End Year * No Data

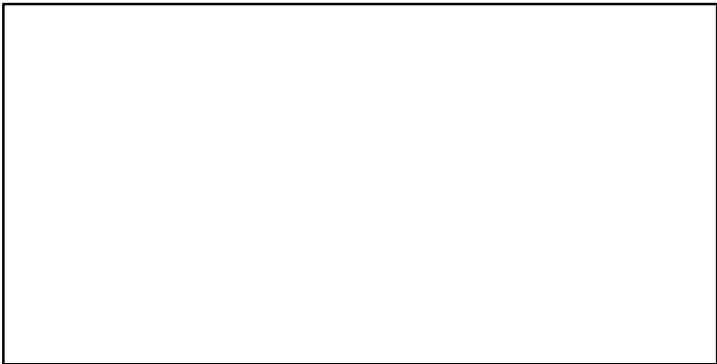
TB*



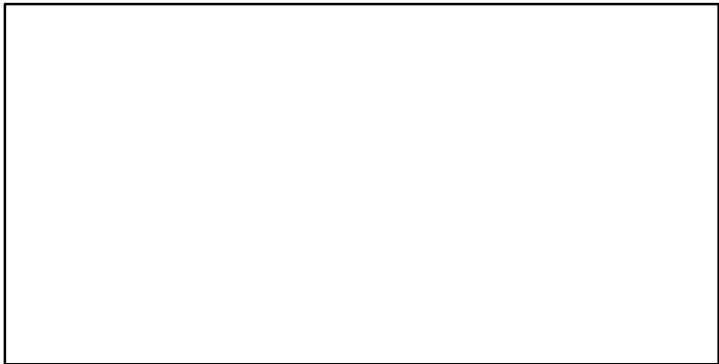
SSB*



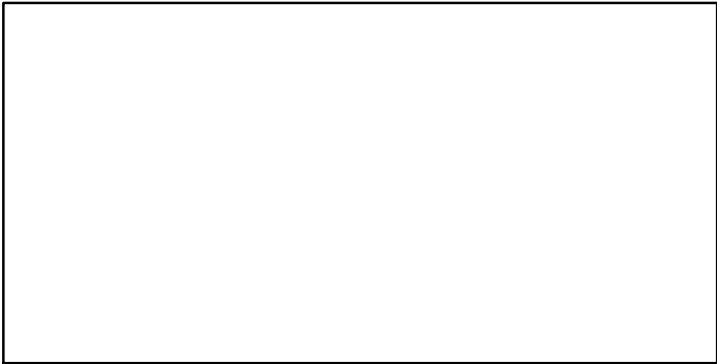
TN *



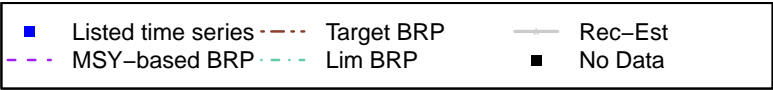
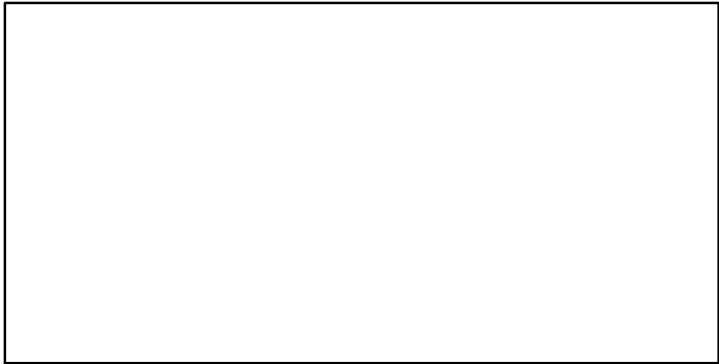
F*



ER*

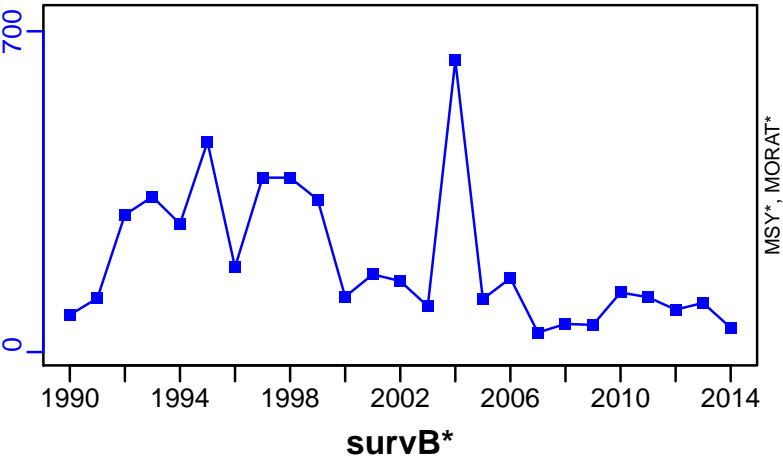


Recruits*



Roundnose grenadier I-II-IV-Va2-VIII-IX-XIVab2 [RNGENI-II-IV-Va2-VIII-IX-XIVab2]

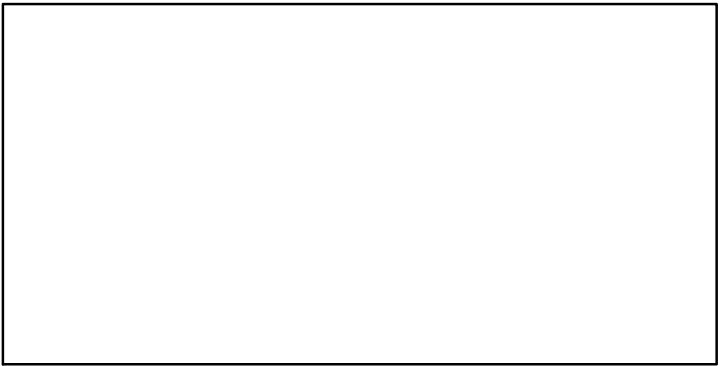
TL-MT, TC*, RecC* (1990-2015-ICESIMP2016)



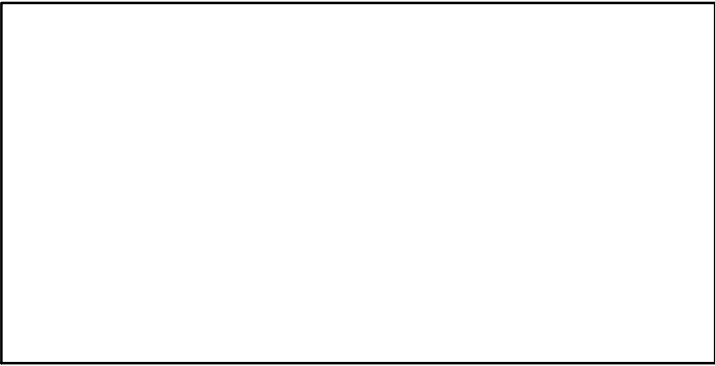
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



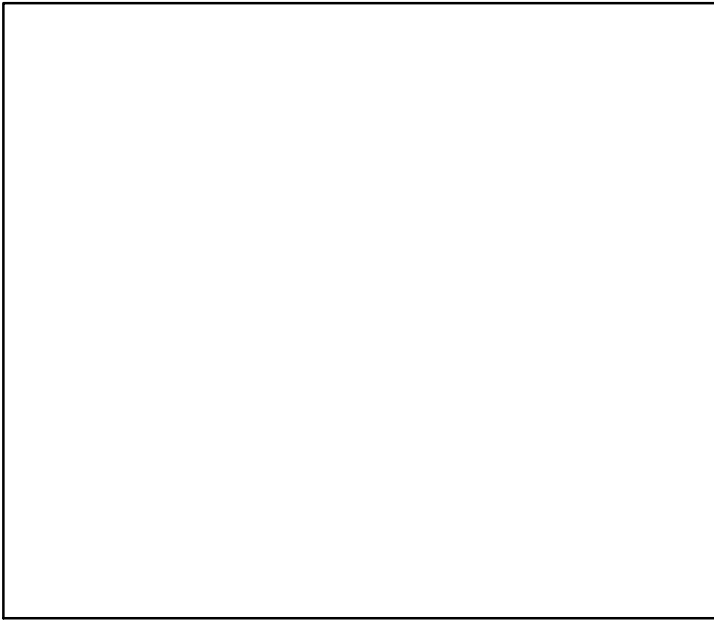
Roundnose grenadier Mid-Atlantic Ridge [RNGENMATLR]

Metadata	
Scientific Name	Coryphaenoides rupestris
Current Assess ID	WGDEEP-RNGENMATLR-1980-2015-ICESIMP2016
Area	Mid-Atlantic Ridge (Xb, XIIc, Va1, XIIa1, XIVb1)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2015

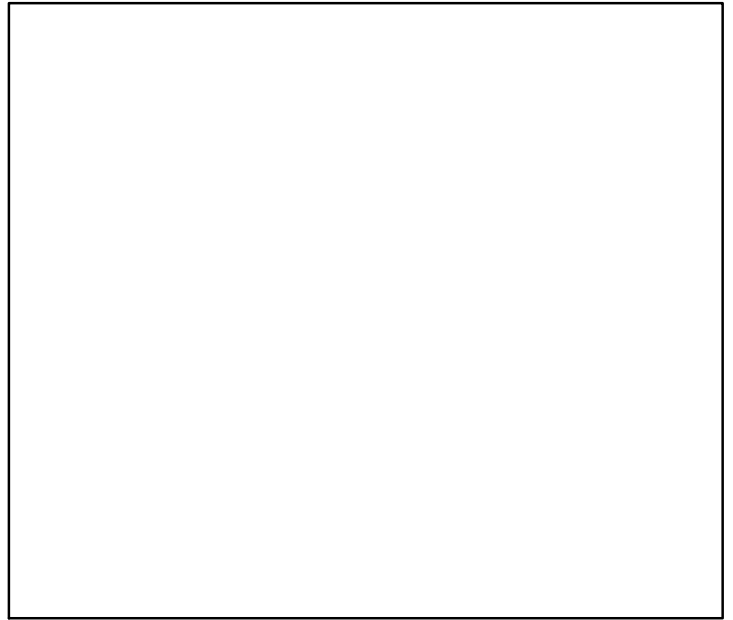
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	3480		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

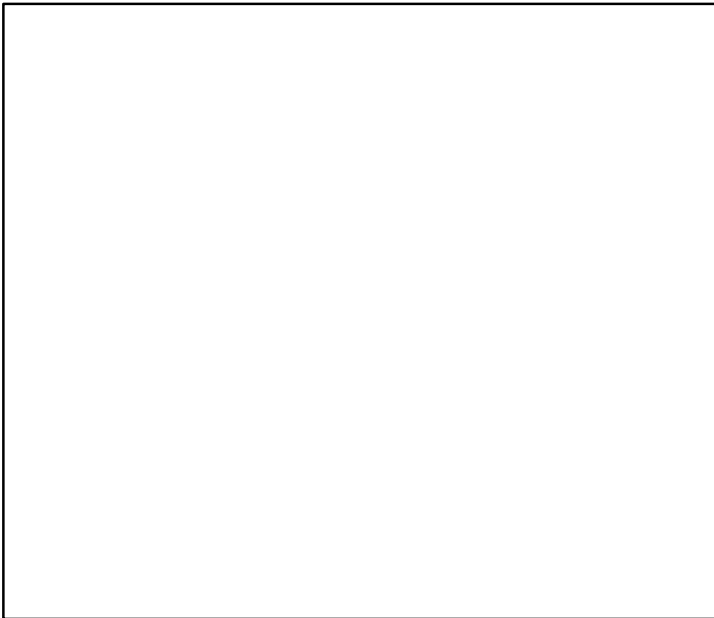
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Roundnose grenadier Mid-Atlantic Ridge [RNGENMATLR]

TB*



SSB*



TN *



F*



ER*

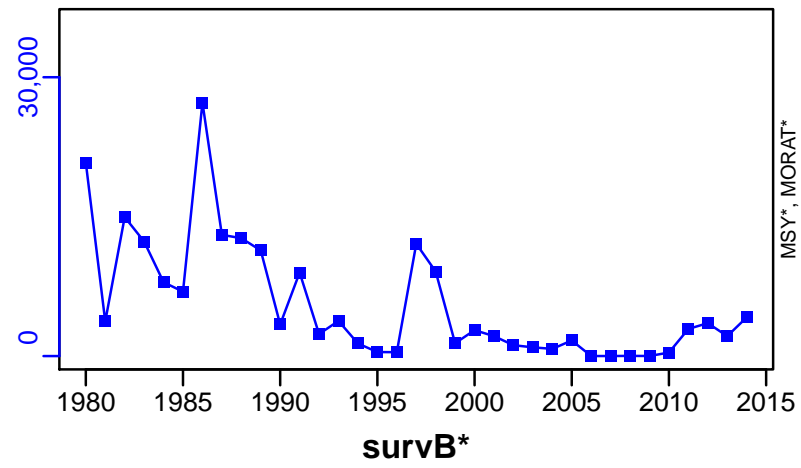


Recruits*

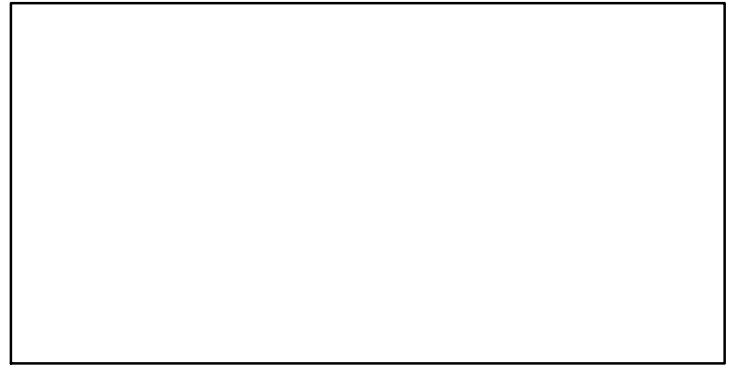


Roundnose grenadier Mid-Atlantic Ridge [RNGENMATLR]

TL-MT, TC*, RecC* (1980–2015–ICESIMP2016)



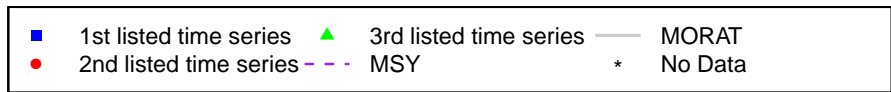
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Roundnose grenadier Vb-VI-VII-XIIb [RNGENVb-VI-VII-XIIb]

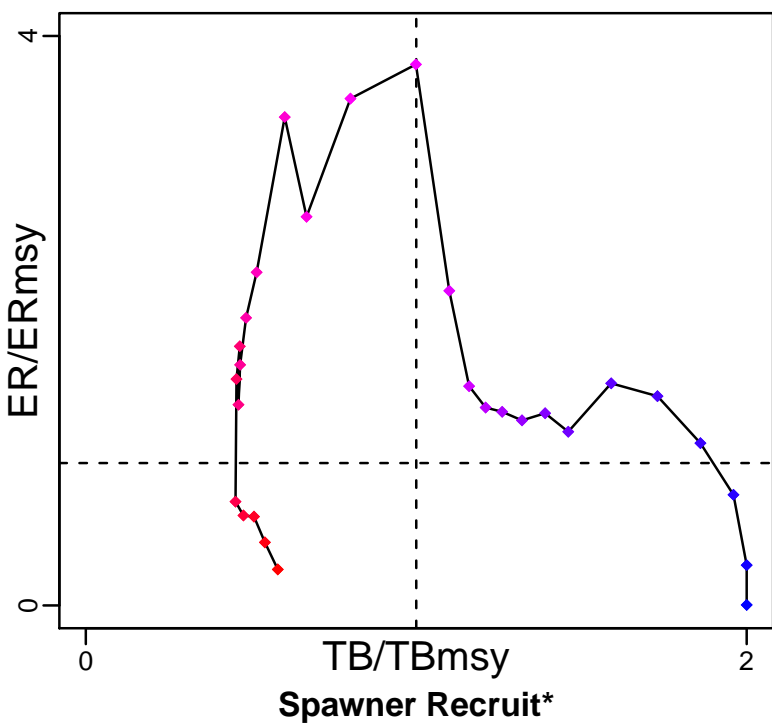
Metadata	
Scientific Name	Coryphaenoides rupestris
Current Assess ID	WGDEEP-RNGENVb-VI-VII-XIIb-1988-2016-ICESIMP2016
Area	Vb-VI-VII-XIIb
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2016

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

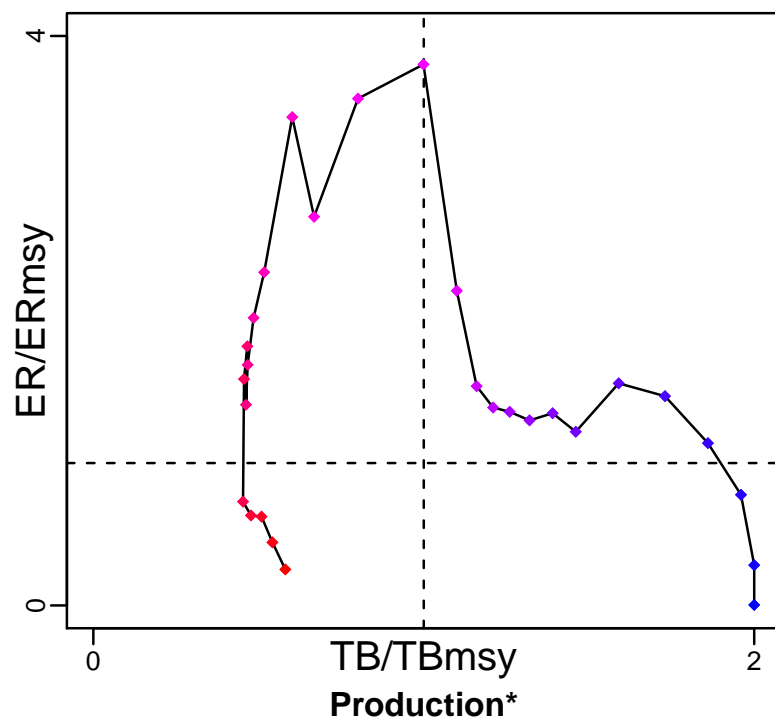
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	1360		
TB/TBmsy	TBdivTBmsy-dimensionless	2016	0.581		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ERdivERmsy-dimensionless	2016	0.253		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Roundnose grenadier Vb–VI–VII–XI**lb** [RNGENVb–VI–VII–XI**lb**]

Kobe MSYpref (1988–2016–ICESIMP2016)

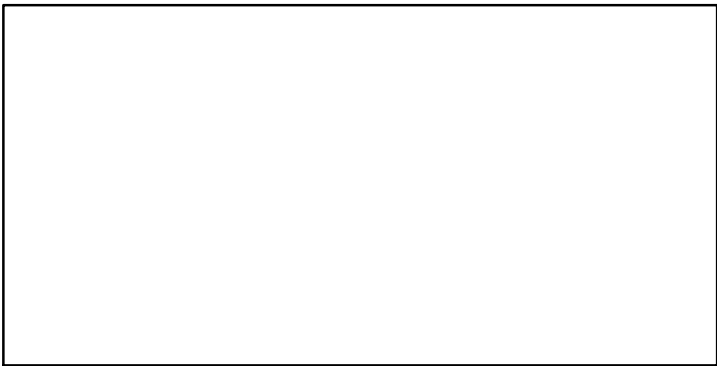


Kobe MGTpref (1988–2016–ICESIMP2016)

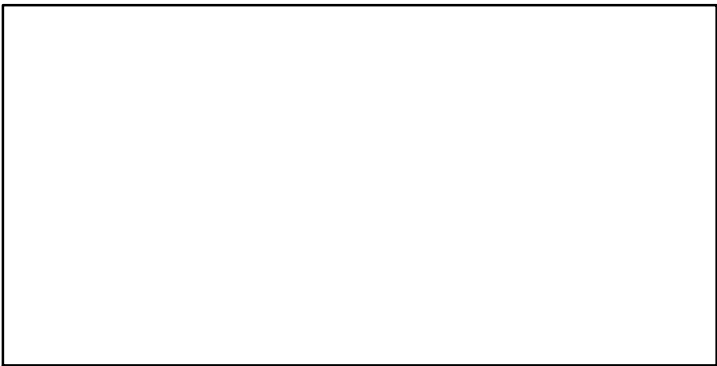


◆ Start Year ◆ End Year * No Data

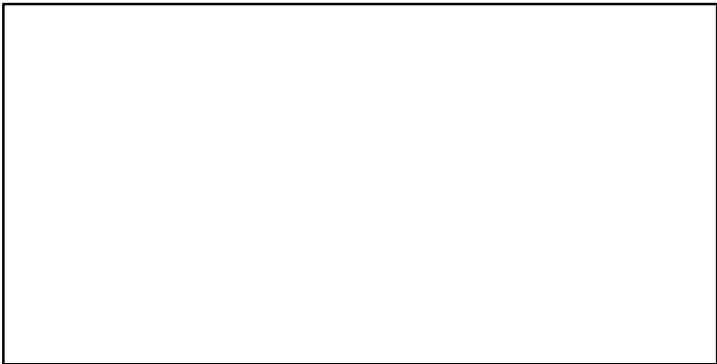
TB*



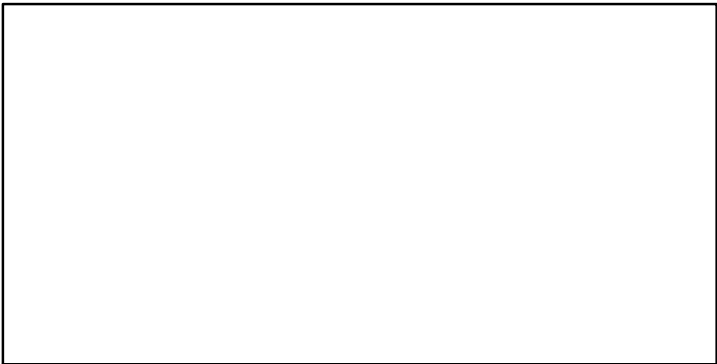
SSB*



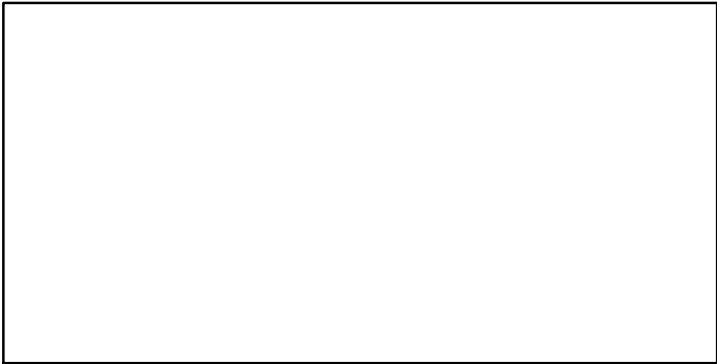
TN *



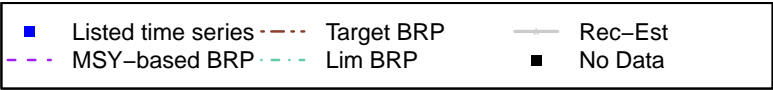
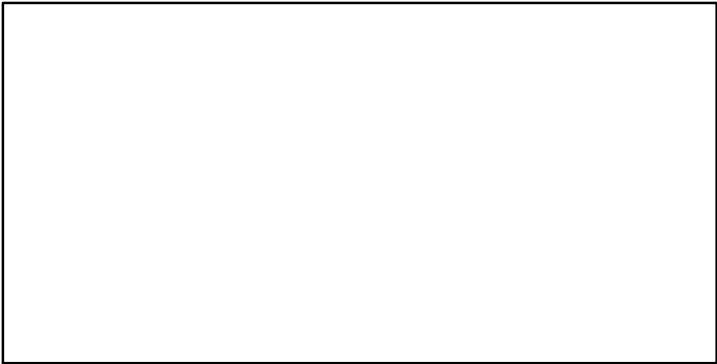
F*



ER*

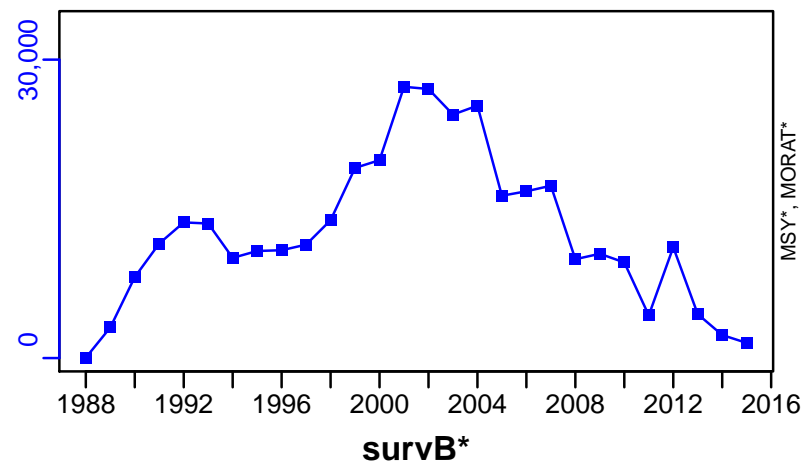


Recruits*

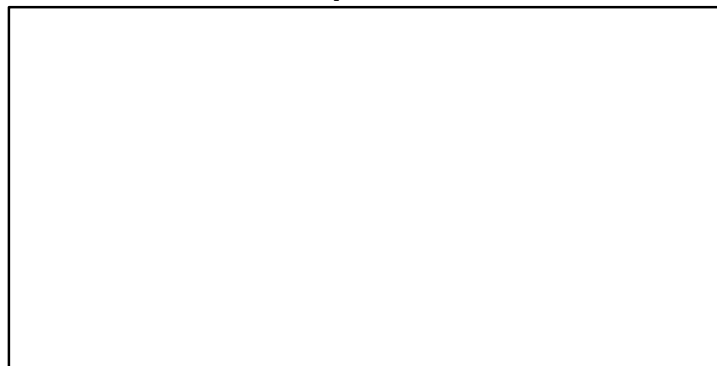


Roundnose grenadier Vb–VI–VII–XIlb [RNGENVb–VI–VII–XIlb]

TL–MT, TC*, RecC* (1988–2016–ICESIMP2016)



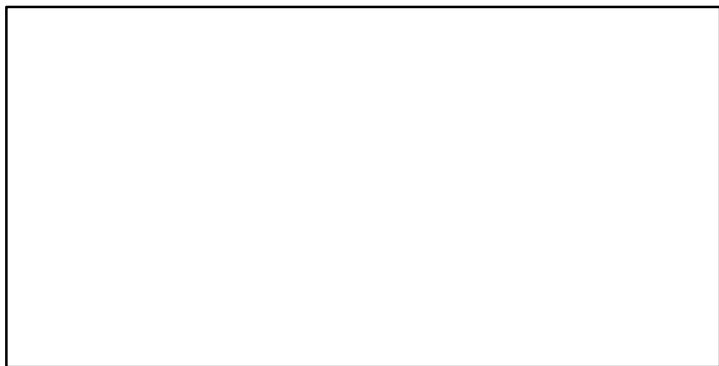
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

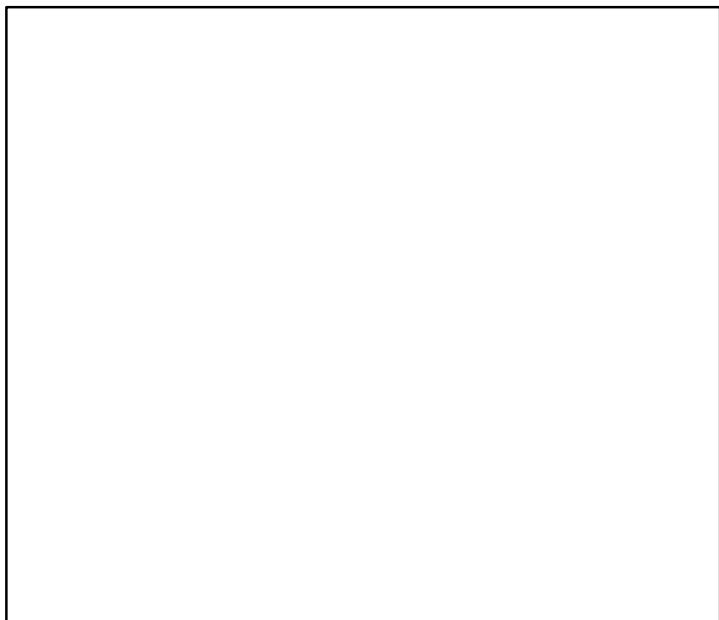
Roundnose grenadier Kattegat and Skagerrak [RNGRENIIIa]

Metadata	
Scientific Name	Coryphaenoides rupestris
Current Assess ID	WGDEEP-RNGRENIIIa-1988-2016-ICESIMP2016
Area	Kattegat and Skagerrak
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2016

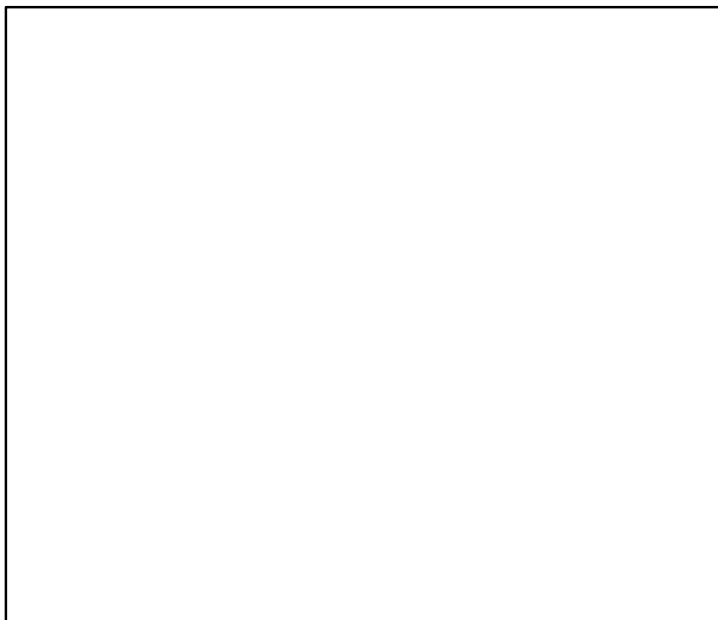
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	2		
TL	TL-MT	2016	1		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

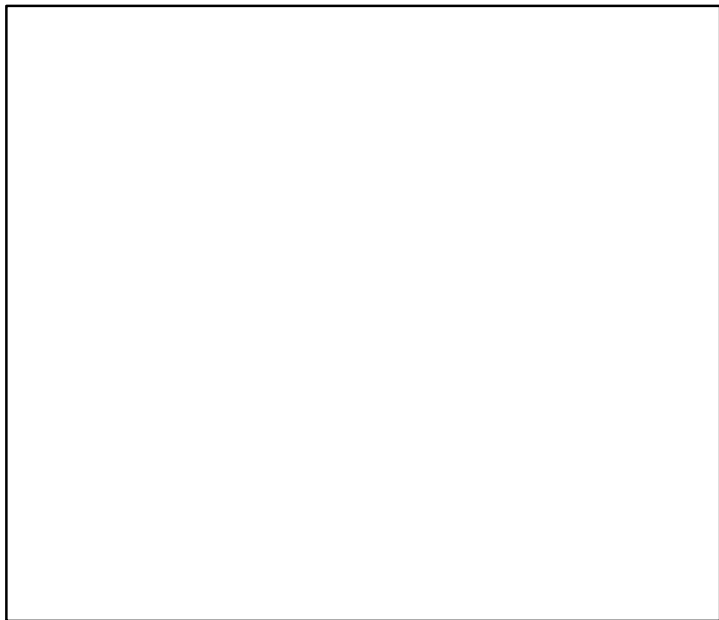
Kobe MSY*



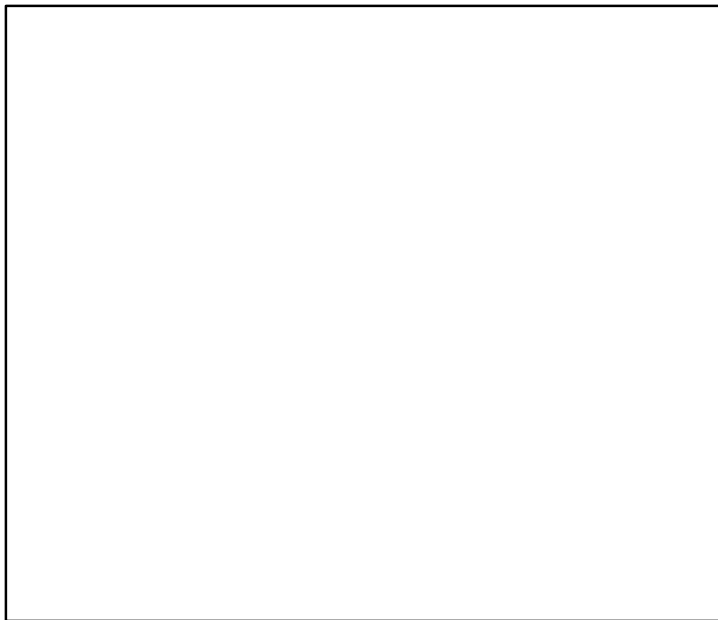
Kobe MGT*



Spawner Recruit*



Production*



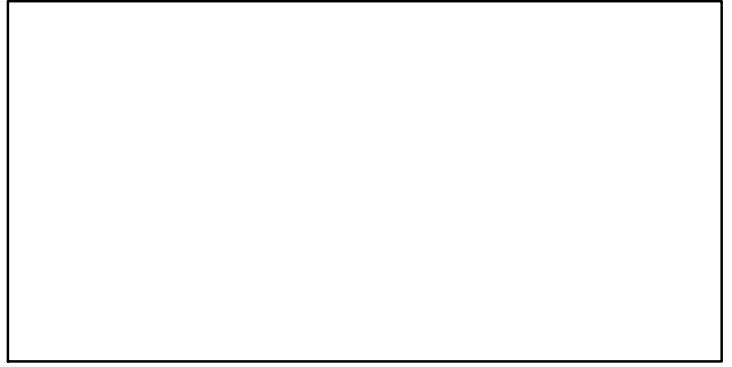
◆ Start Year ◆ End Year * No Data

Roundnose grenadier Kattegat and Skagerrak [RNGRENIIIa]

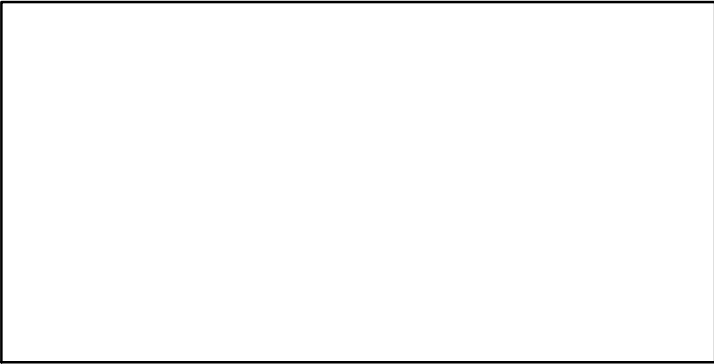
TB*



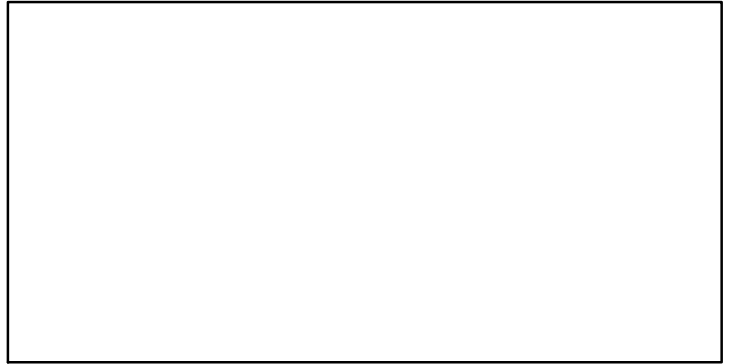
SSB*



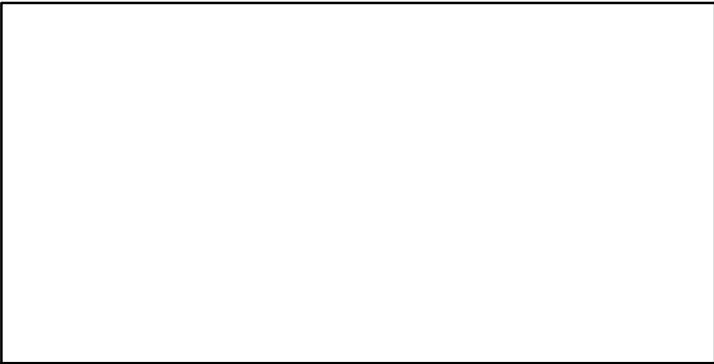
TN *



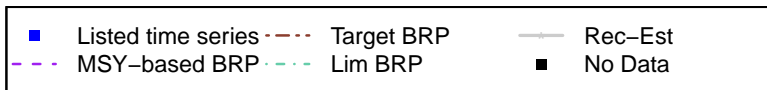
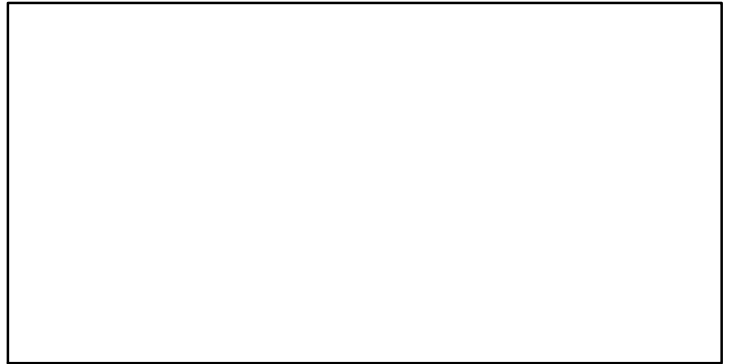
F*



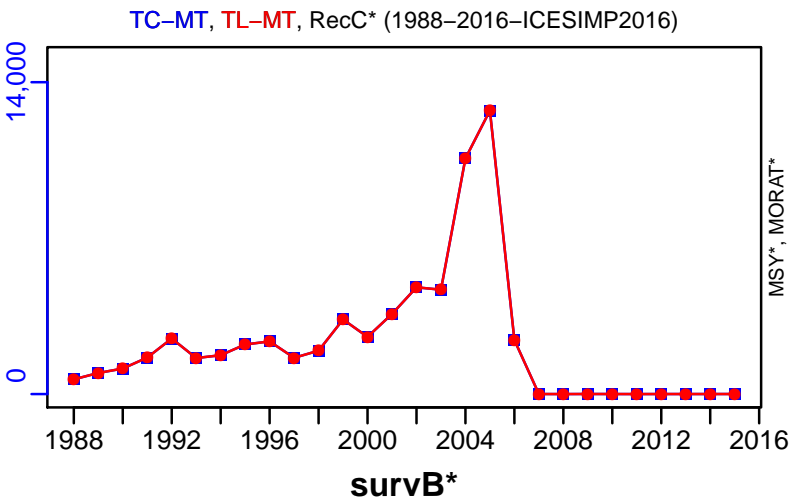
ER*



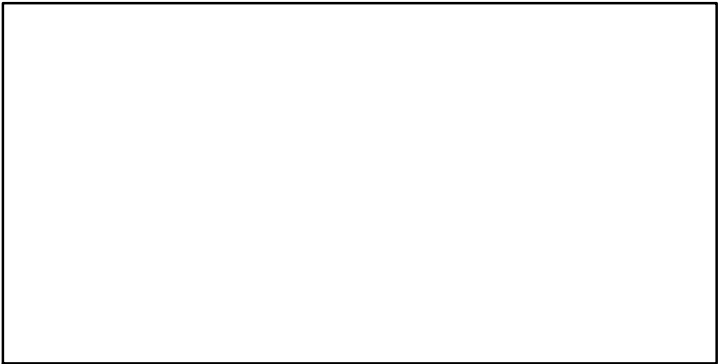
Recruits*



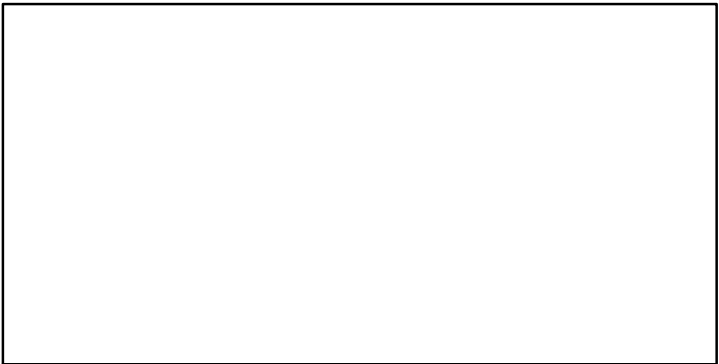
Roundnose grenadier Kattegat and Skagerrak [RNGRENIIIa]



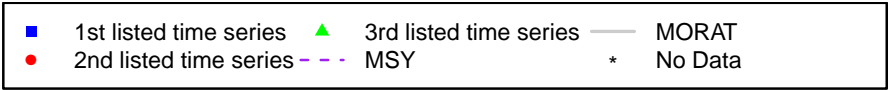
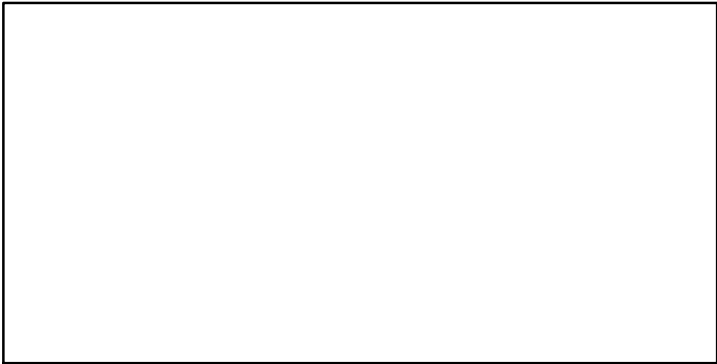
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



European pilchard ICES VIIIc-IXa [SARDPVIIIc-IXa]

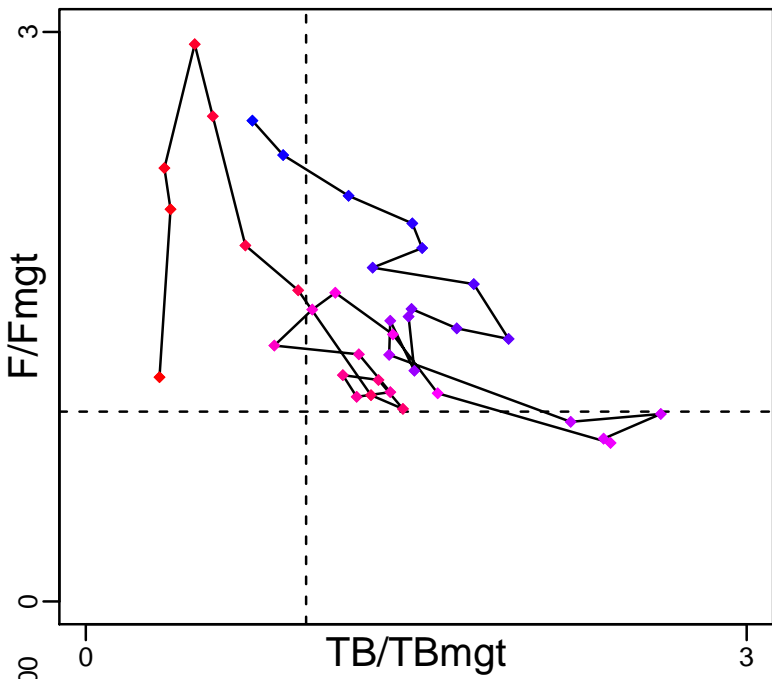
Metadata	
Scientific Name	Sardina pilchardus
Current Assess ID	WGHANSA-SARDPVIIIc-IXa-1978-2016-ICESIMP2016
Area	VIIIc-IXa
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Southern Horse Mackerel, Anchovy and Sardine
Asmts in RAM	2013, 2014, 2015, 2016, 2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	TBmgt-MT	2016	368,400
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2015	0.23
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.33
TBlim	TBlim-MT	2015	135,000
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

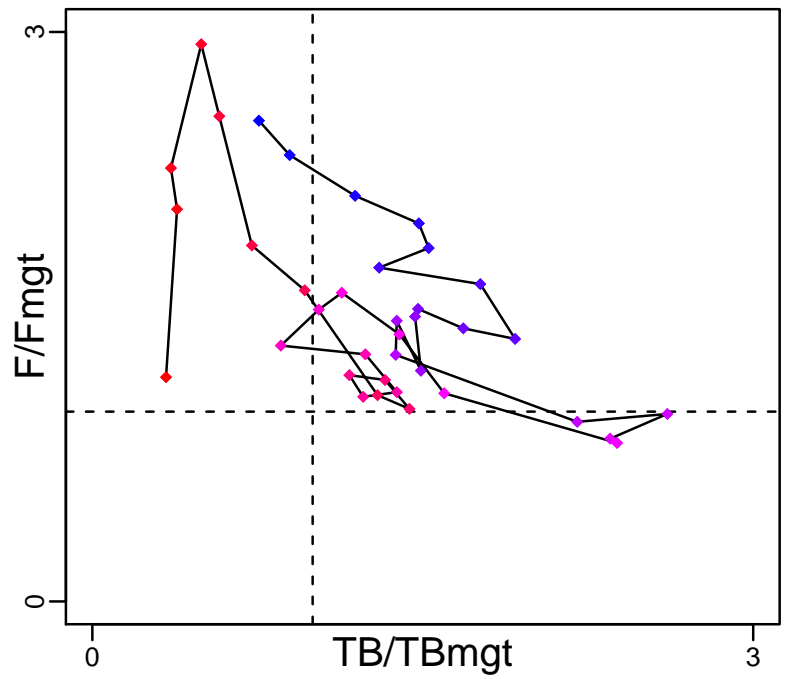
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	199,000	Both	-
SSB	SSB-MT	2011	174,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	4.01×10^9	-	0
F	F-1/yr	2016	0.145	-	2 to 5
ER	ER-calc-ratio	2016	0.125	-	-
TC	TC-MT	2016	21,000		
TL	TL-MT	2016	21,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	TB-MT/TBmgt-MT	2016	0.541		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	1.181		
ER/ERmgt	-	-	-		

European pilchard ICES VIIIc-IXa [SARDPVIIIc-IXa]

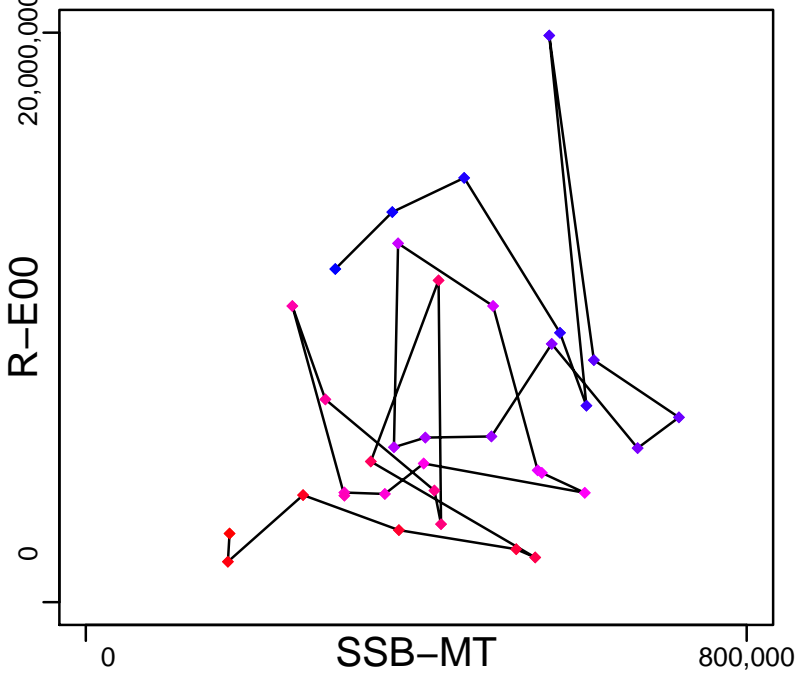
Kobe MSYpref (1978–2015–ICESIMP2016)



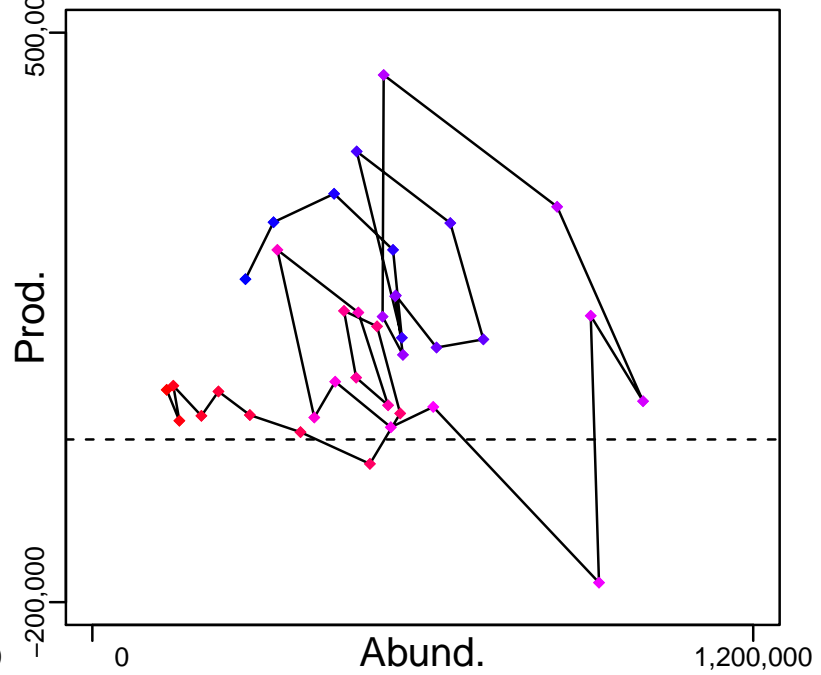
Kobe MGTpref (1978–2015–ICESIMP2016)



Spawner Recruit (1978–2011–NEUBAUER)



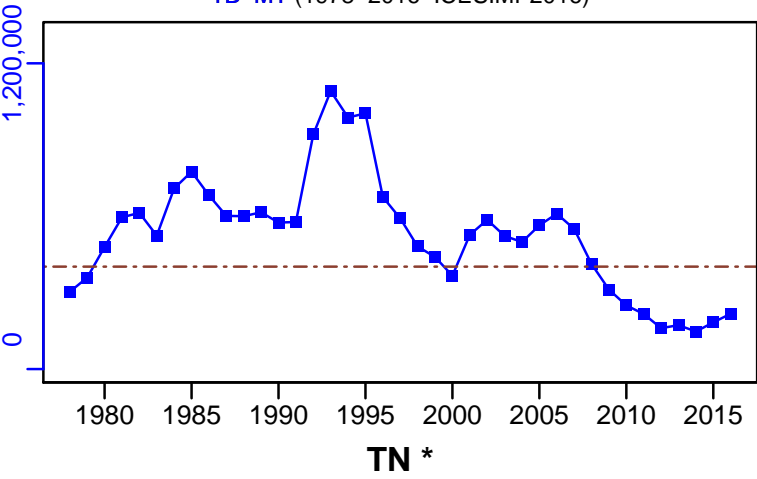
Production (1978–2016–ICESIMP2016)



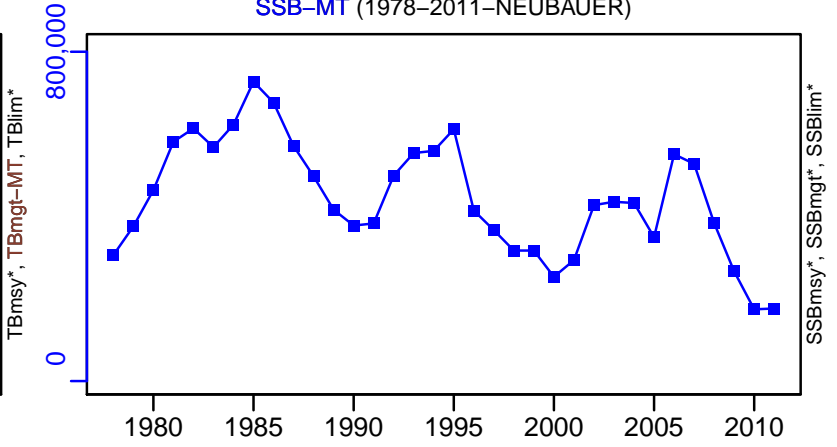
◆ Start Year ◆ End Year * No Data

European pilchard ICES VIIIc-IXa [SARDPVIIIc-IXa]

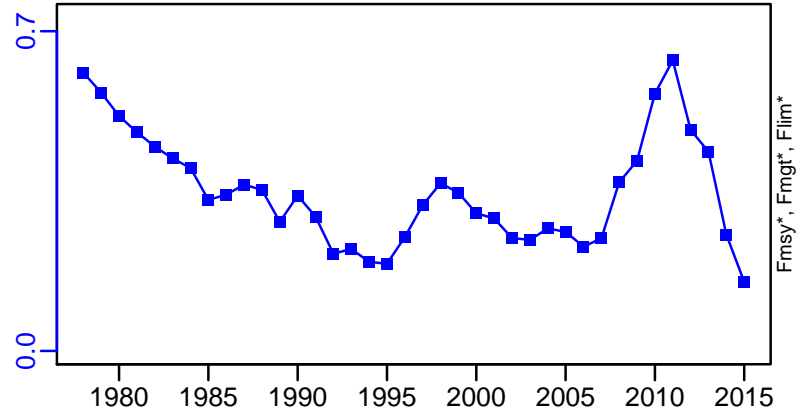
TB-MT (1978-2016-ICESIMP2016)



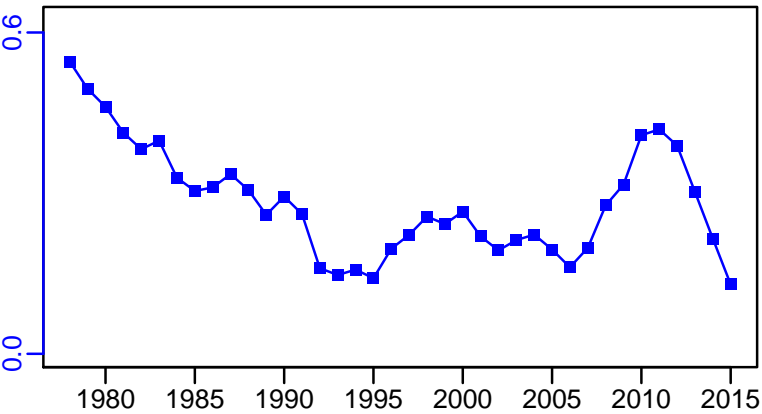
SSB-MT (1978-2011-NEUBAUER)



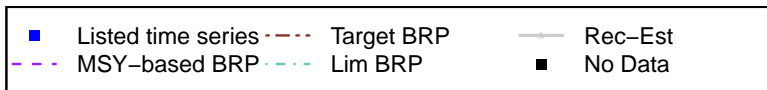
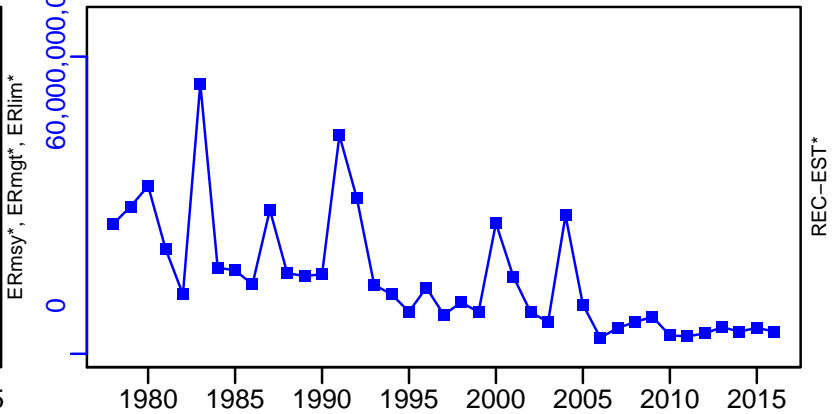
F-1/yr (1978-2016-ICESIMP2016)



ER-calc-ratio (1978-2016-ICESIMP2016)

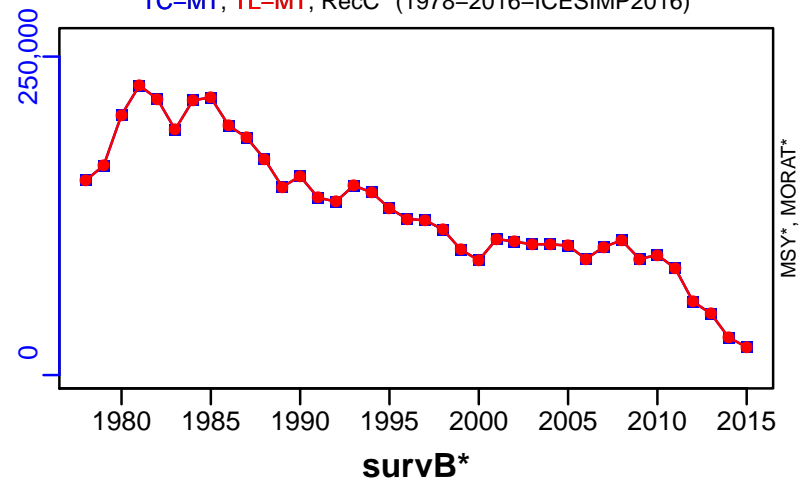


R-E00 (1978-2016-ICESIMP2016)

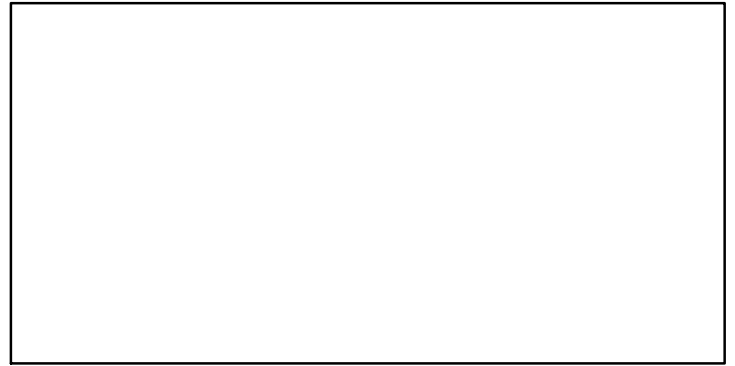


European pilchard ICES VIIIc–IXa [SARDPVIIIc–IXa]

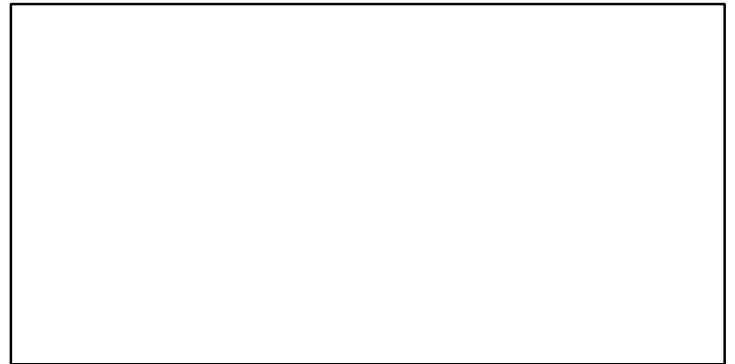
TC–MT, TL–MT, RecC* (1978–2016–ICESIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

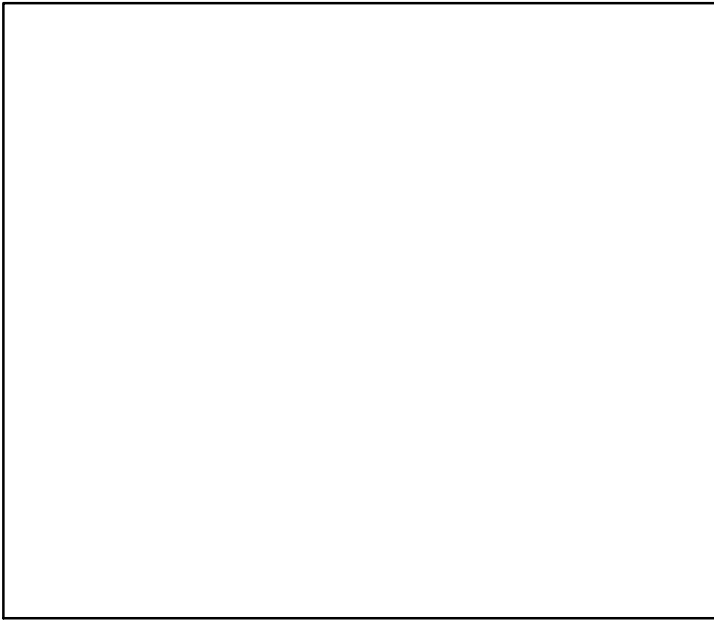
Sand eel SA 1 [SEELNSSA1]

Metadata	
Scientific Name	Ammodytes marinus
Current Assess ID	HAWG-SEELNSSA1-1983-2016-ICESIMP2016
Area	Sandeel Area 1
Management Authority	International Council for the Exploration of the Sea
Assessor	Herring Assessment Working Group for the Area South of 62N
Asmts in RAM	2013, 2014, 2015, 2016, 2011

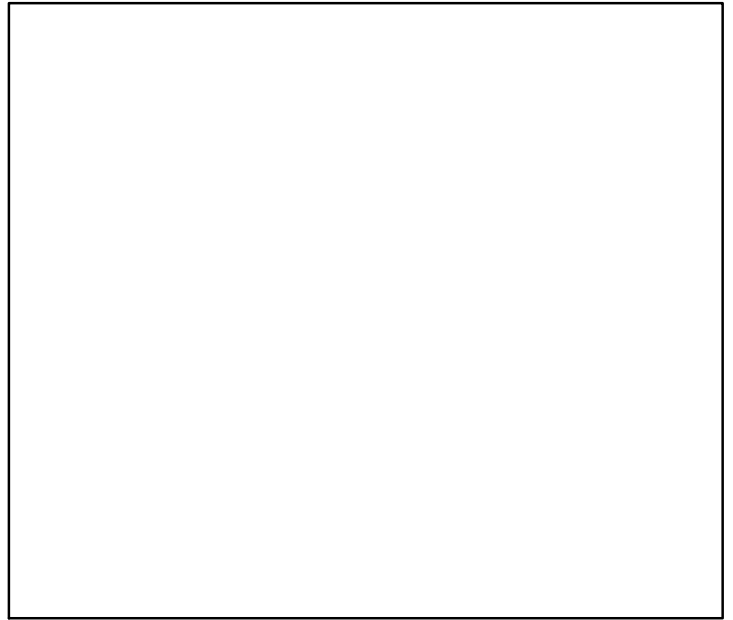
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	215,000
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	TBlim-MT	2011	160,000
SSBlim	SSBlim-MT	2016	160,000
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	351,000	Both	-
SSB	SSB-MT	2016	238,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	1.95×10^{11}	-	0
F	F-1/yr	2016	0.384	-	1 to 2
ER	ER-calc-ratio	2015	0.217	-	-
TC	TC-MT	2016	162,000		
TL	TL-MT	2016	162,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.108		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

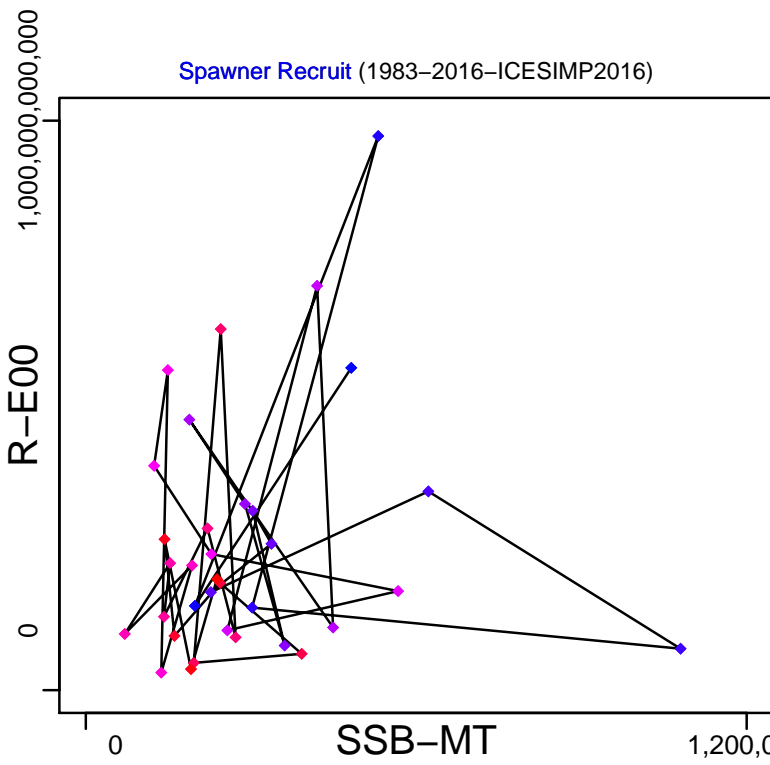
Kobe MSY*



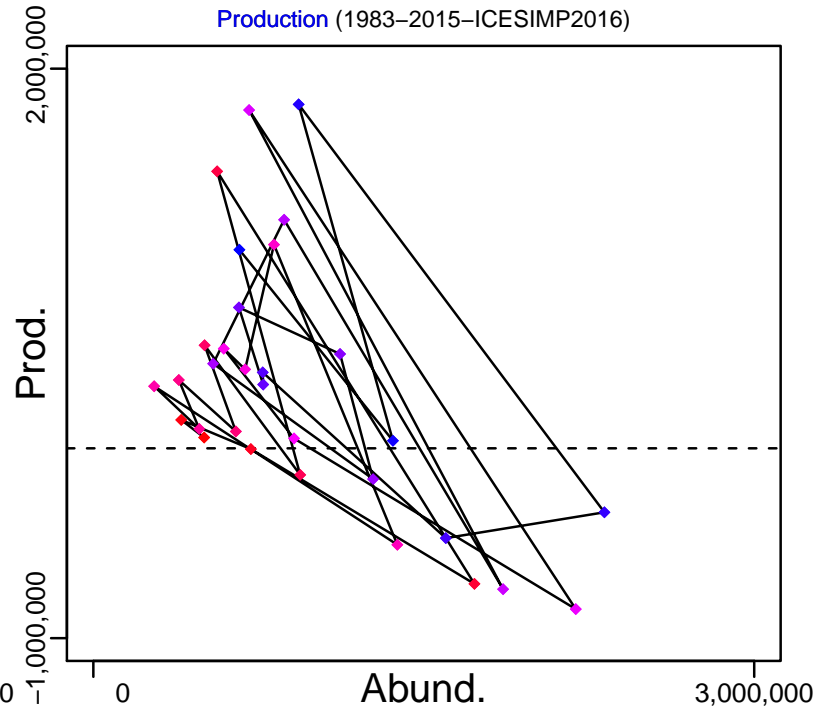
Kobe MGT*



Spawner Recruit (1983–2016–ICESIMP2016)

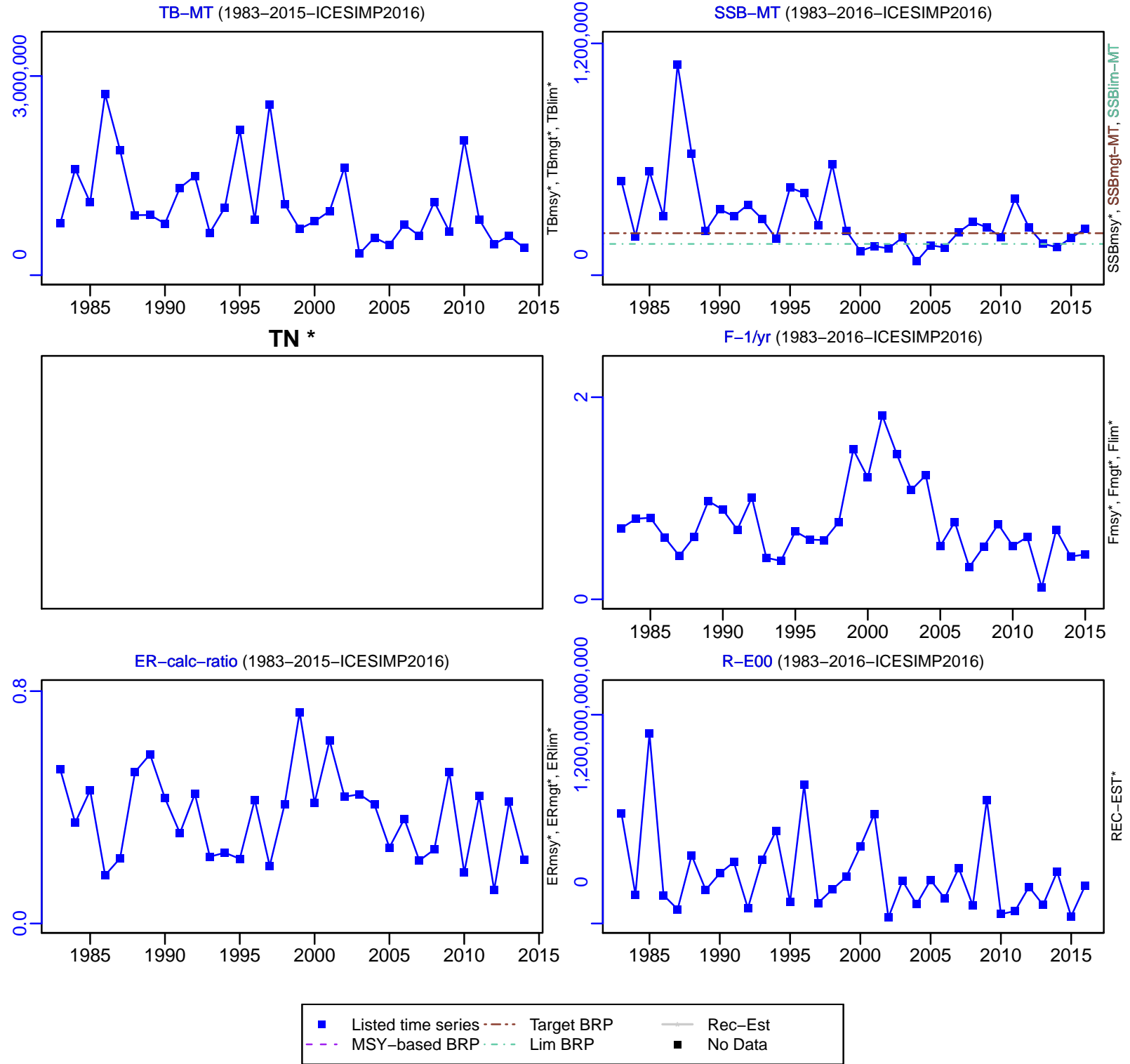


Production (1983–2015–ICESIMP2016)



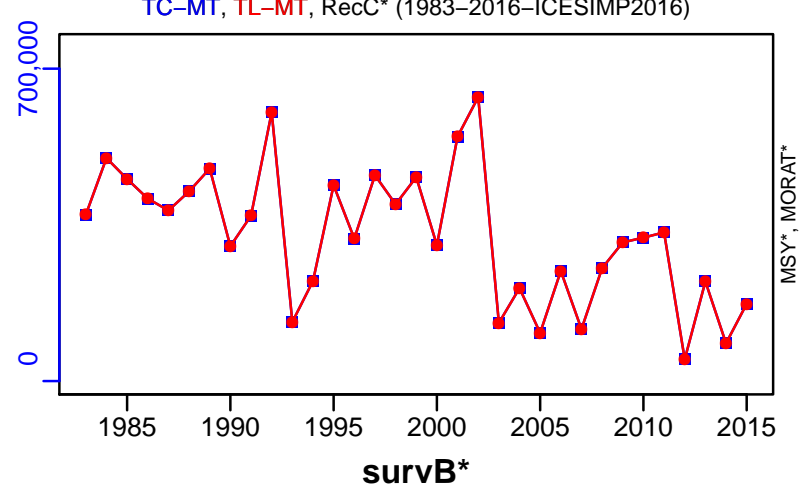
◆ Start Year ◆ End Year * No Data

Sand eel SA 1 [SEELNSSA1]

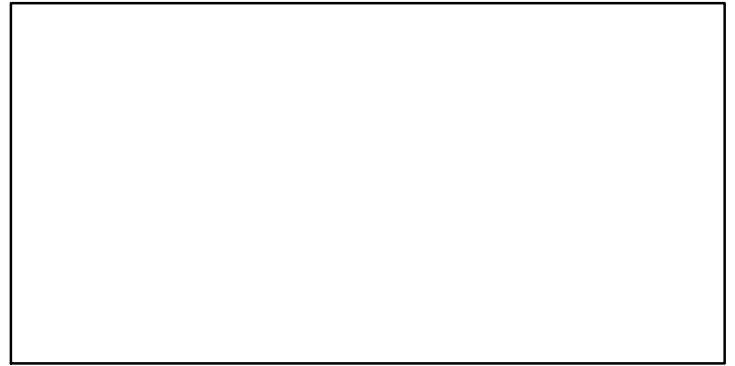


Sand eel SA 1 [SEELNSSA1]

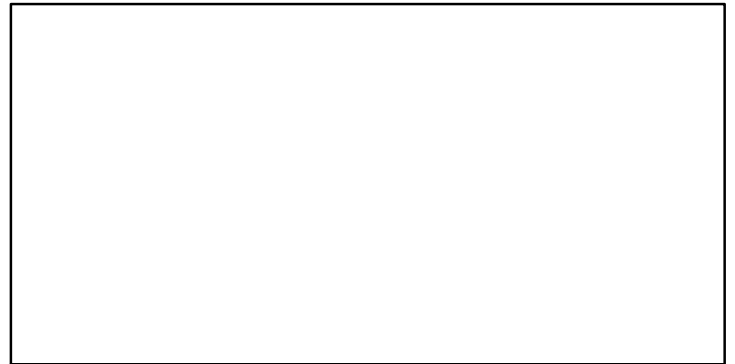
TC-MT, TL-MT, RecC* (1983–2016–ICESIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

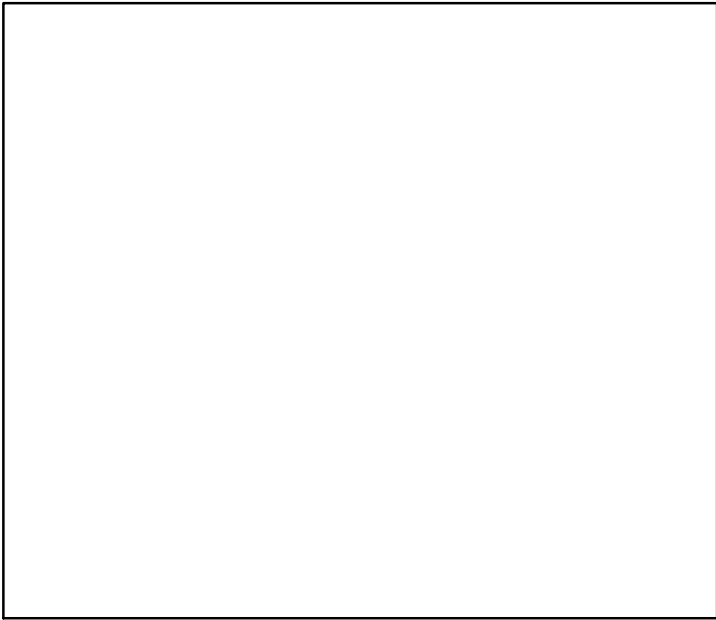
Sand eel SA 2 [SEELNSSA2]

Metadata	
Scientific Name	Ammodytes marinus
Current Assess ID	HAWG-SEELNSSA2-1983-2016-ICESIMP2016
Area	Sandeel Area 2
Management Authority	International Council for the Exploration of the Sea
Assessor	Herring Assessment Working Group for the Area South of 62N
Asmts in RAM	2013, 2014, 2015, 2016, 2011

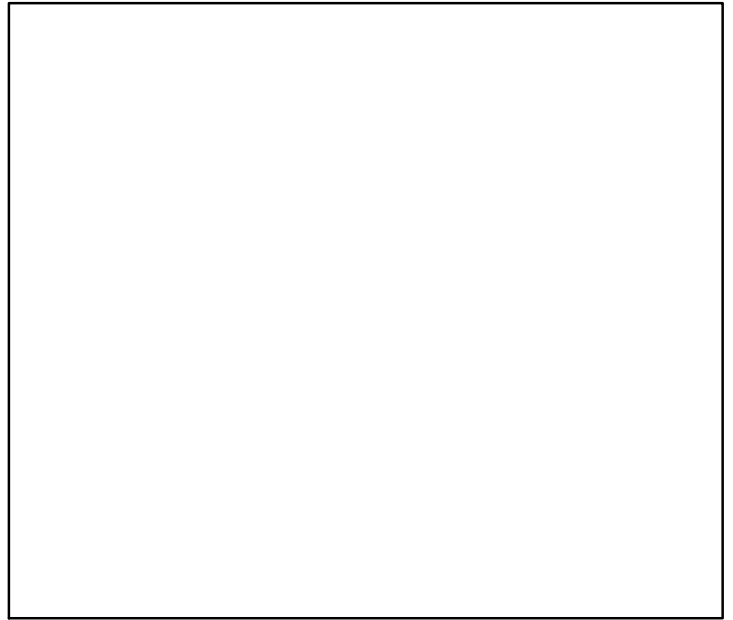
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	1×10^5
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	TBlim-MT	2011	70,000
SSBlim	SSBlim-MT	2016	70,000
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	174,000	Both	-
SSB	SSB-MT	2016	76,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	3.92×10^{10}	-	0
F	F-1/yr	2016	0.175	-	1 to 2
ER	ER-calc-ratio	2015	0.05	-	-
TC	TC-MT	2016	21,000		
TL	TL-MT	2016	21,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.76		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

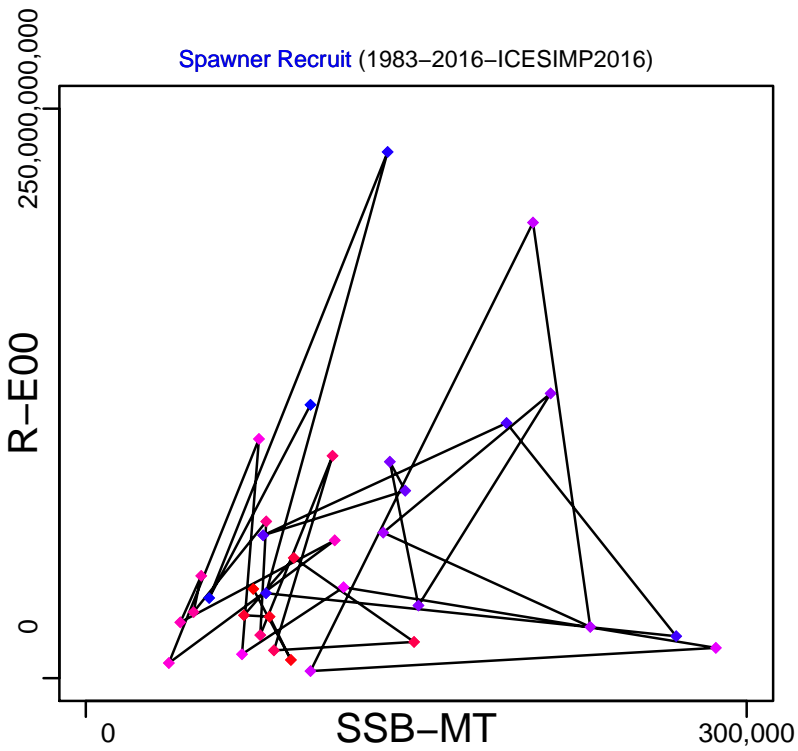
Kobe MSY*



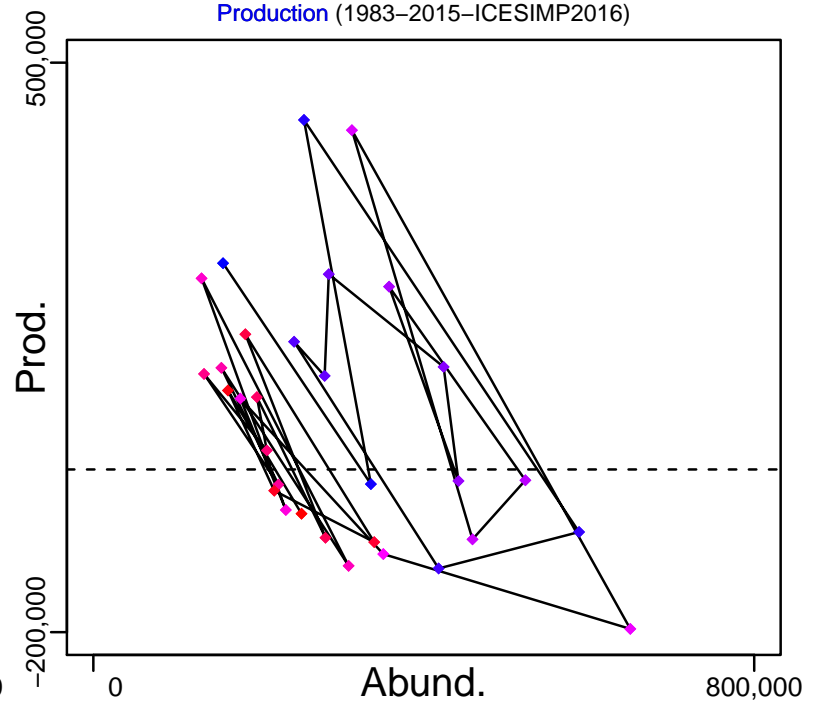
Kobe MGT*



Spawner Recruit (1983–2016–ICESIMP2016)



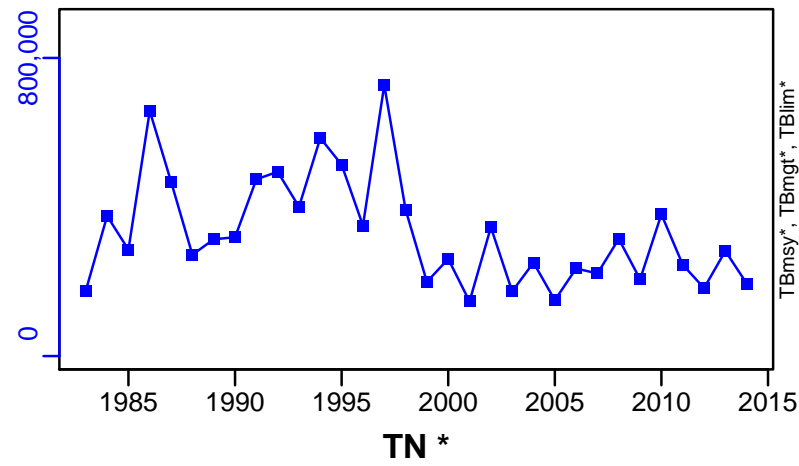
Production (1983–2015–ICESIMP2016)



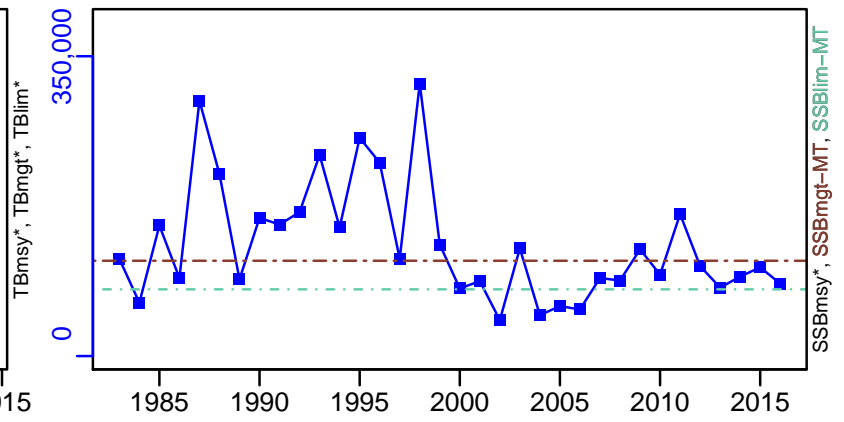
◆ Start Year ◆ End Year * No Data

Sand eel SA 2 [SEELNSSA2]

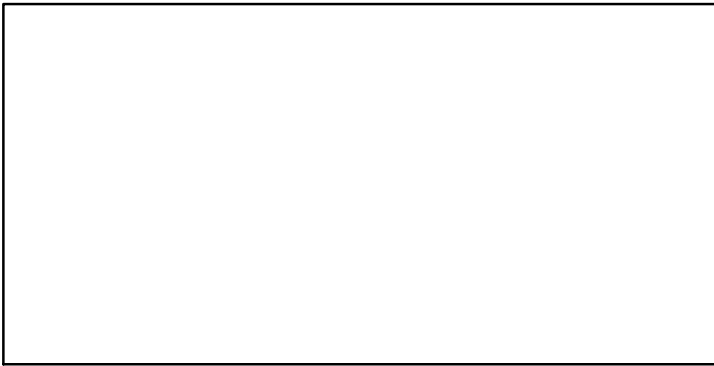
TB-MT (1983–2015–ICESIMP2016)



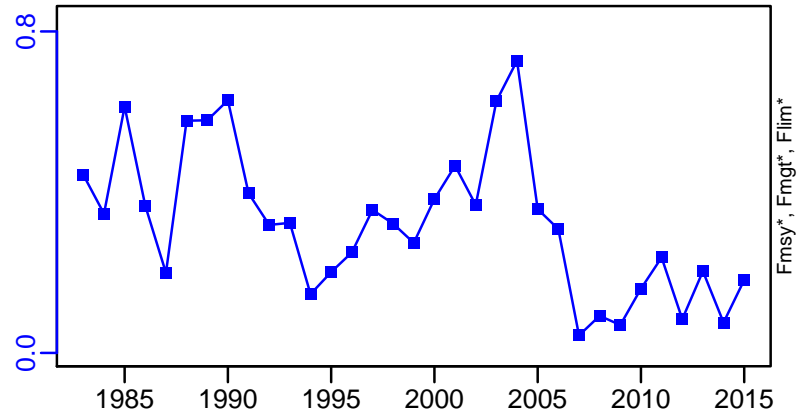
SSB-MT (1983–2016–ICESIMP2016)



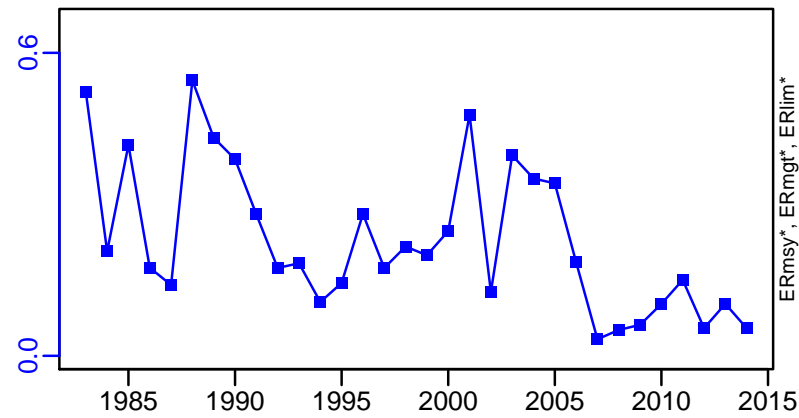
TN *



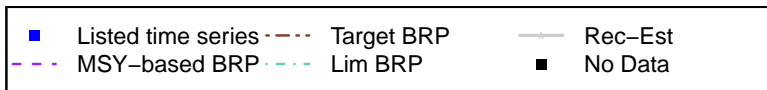
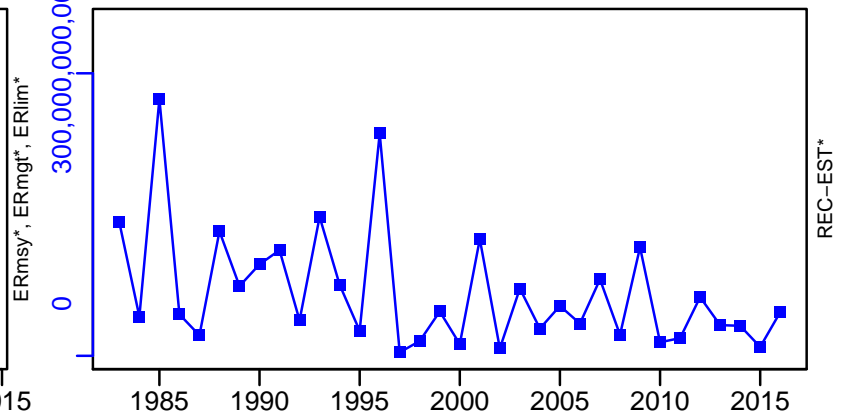
F-1/yr (1983–2016–ICESIMP2016)



ER-calc-ratio (1983–2015–ICESIMP2016)

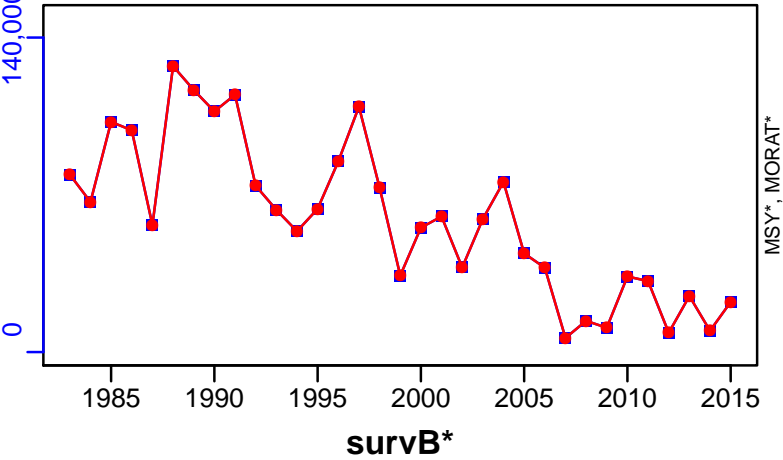


R-E00 (1983–2016–ICESIMP2016)



Sand eel SA 2 [SEELNSSA2]

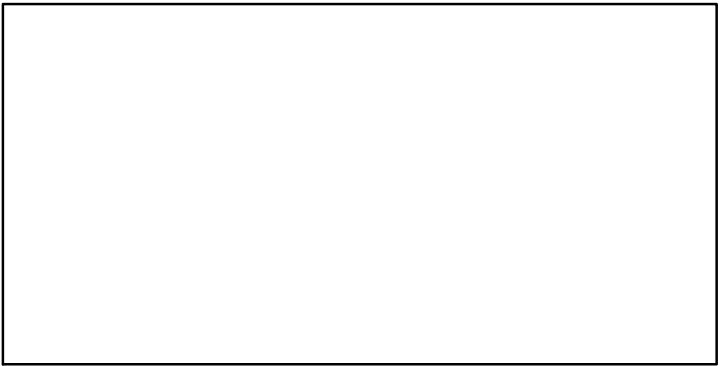
TC-MT, TL-MT, RecC* (1983–2016–ICESIMP2016)



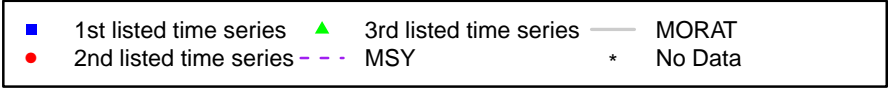
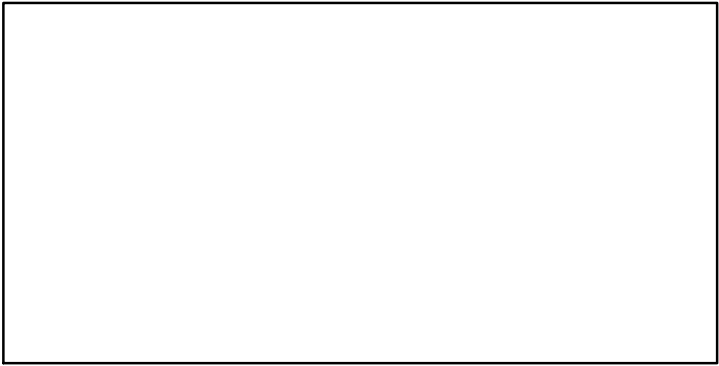
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



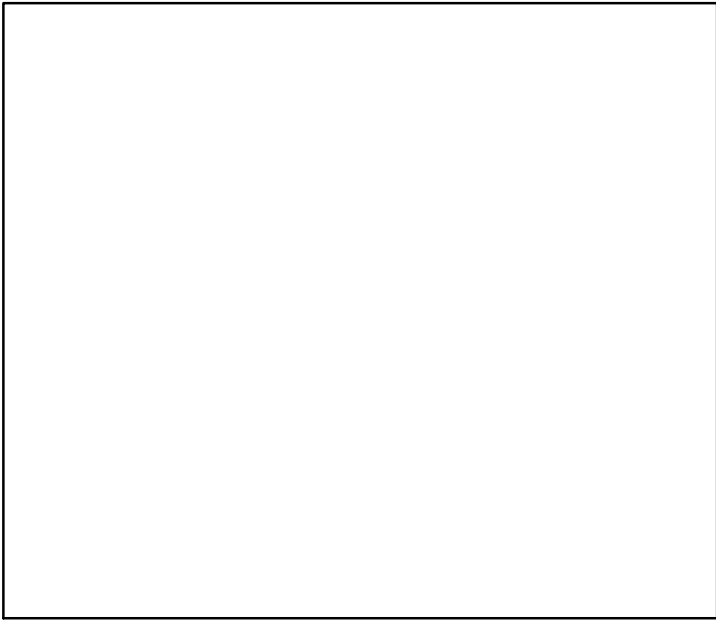
Sand eel SA 3 [SEELNSSA3]

Metadata	
Scientific Name	Ammodytes marinus
Current Assess ID	HAWG-SEELNSSA3-1983-2016-ICESIMP2016
Area	Sandeel Area 3
Management Authority	International Council for the Exploration of the Sea
Assessor	Herring Assessment Working Group for the Area South of 62N
Asmts in RAM	2013, 2014, 2015, 2016, 2011

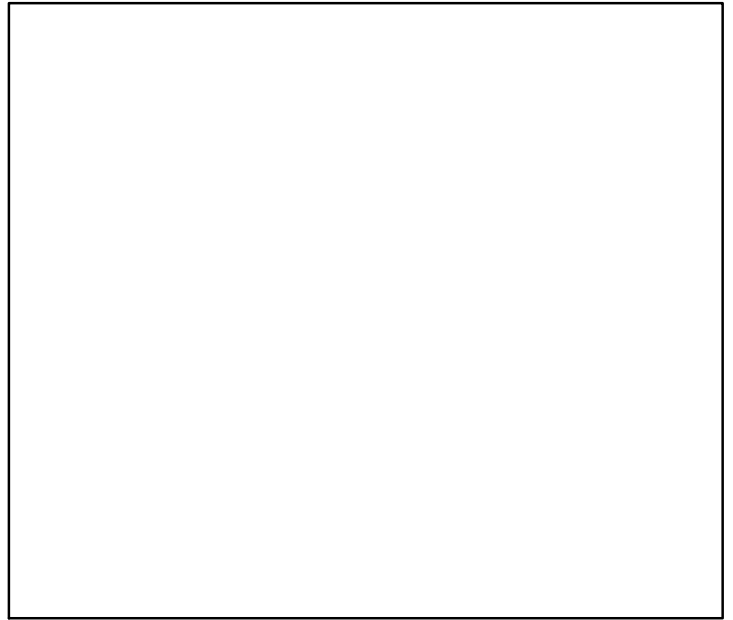
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	195,000
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	TBlim-MT	2011	1×10^5
SSBlim	SSBlim-MT	2016	1×10^5
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	535,000	Both	-
SSB	SSB-MT	2016	379,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	9.25×10^{10}	-	0
F	F-1/yr	2016	0.475	-	1 to 2
ER	ER-calc-ratio	2015	0.27	-	-
TC	TC-MT	2016	119,000		
TL	TL-MT	2016	119,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.944		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

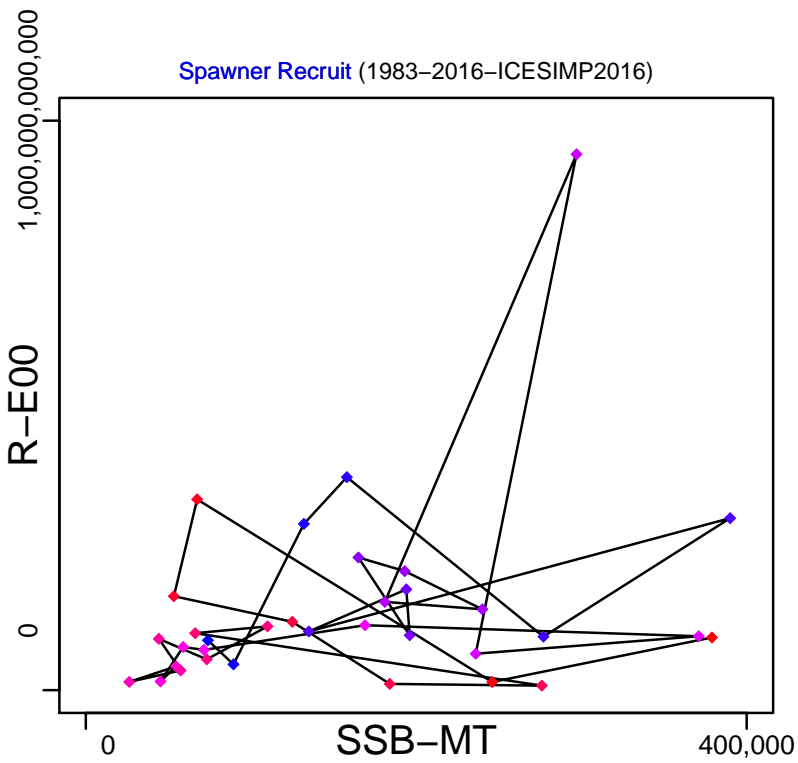
Kobe MSY*



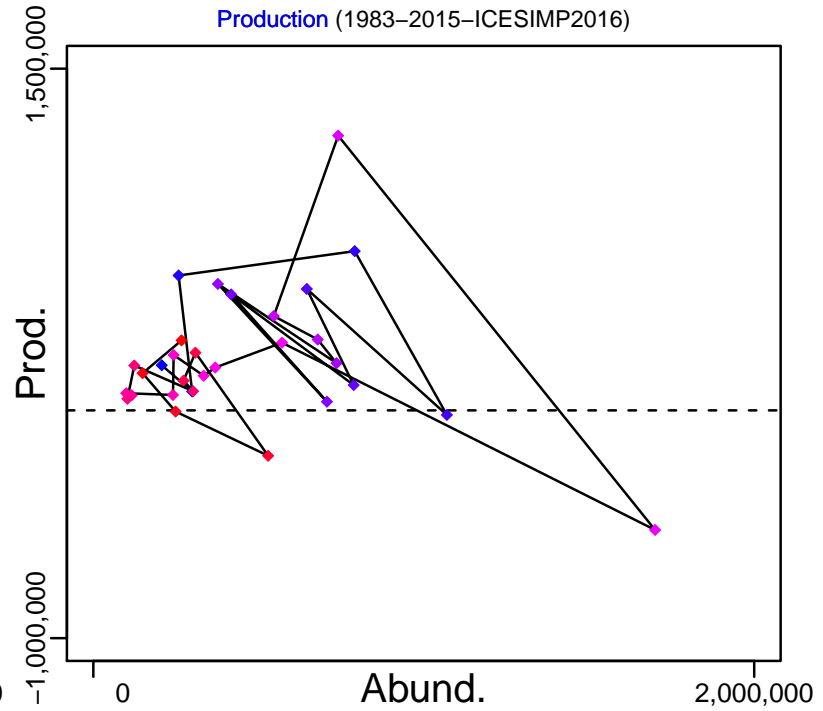
Kobe MGT*



Spawner Recruit (1983–2016–ICESIMP2016)

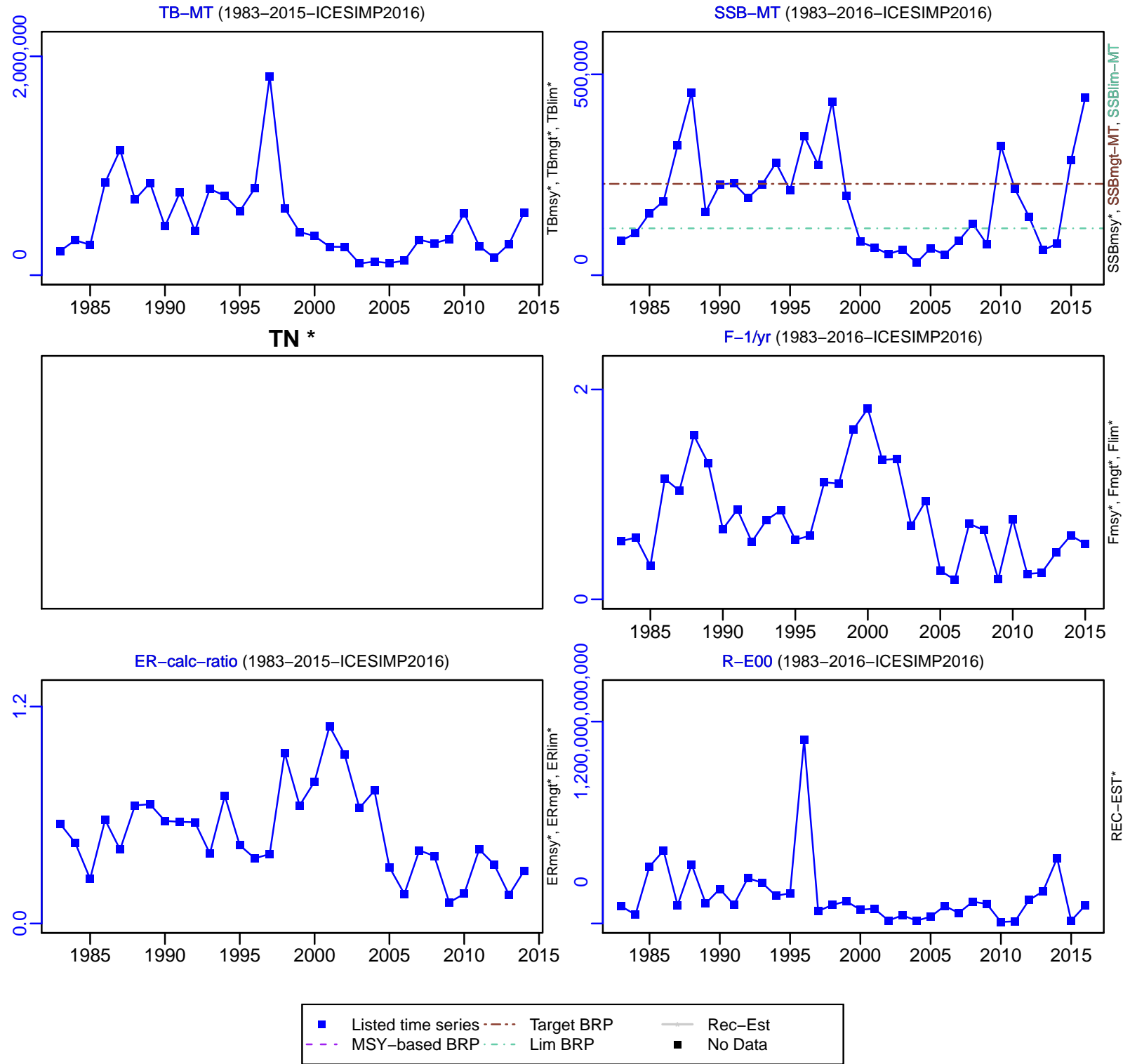


Production (1983–2015–ICESIMP2016)



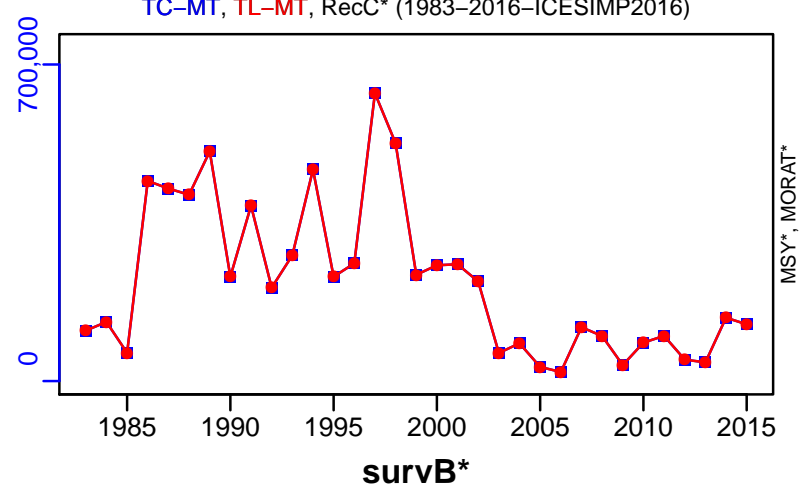
◆ Start Year ◆ End Year * No Data

Sand eel SA 3 [SEELNSSA3]

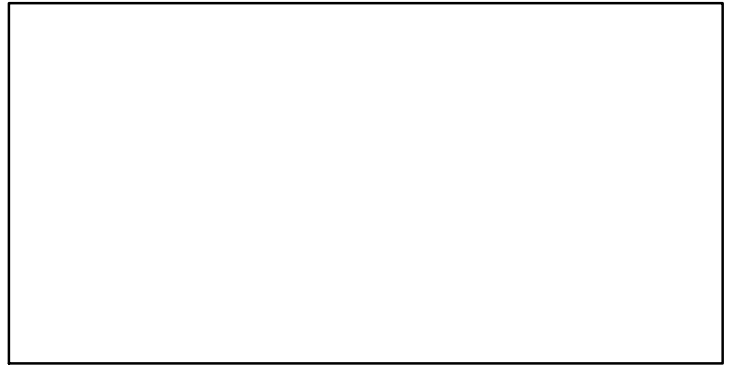


Sand eel SA 3 [SEELNSSA3]

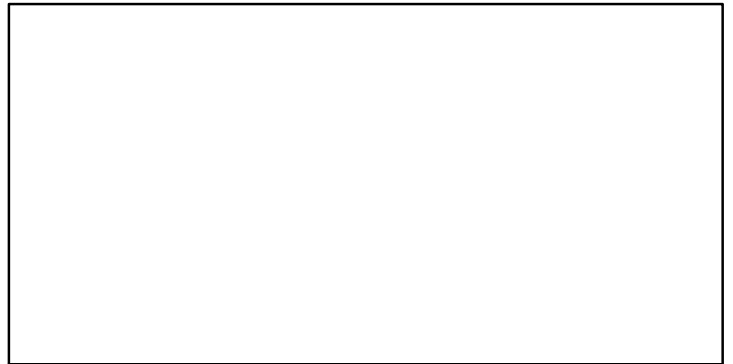
TC-MT, TL-MT, RecC* (1983–2016–ICESIMP2016)



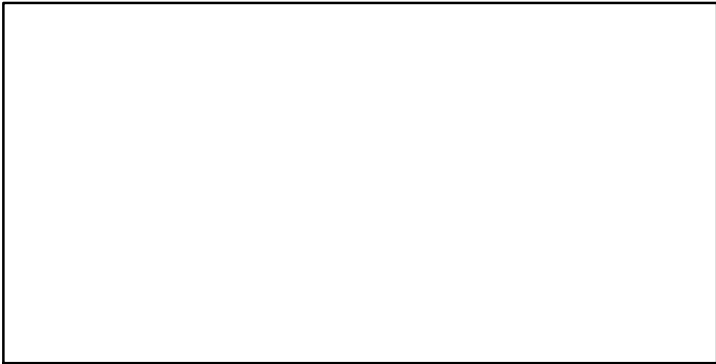
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



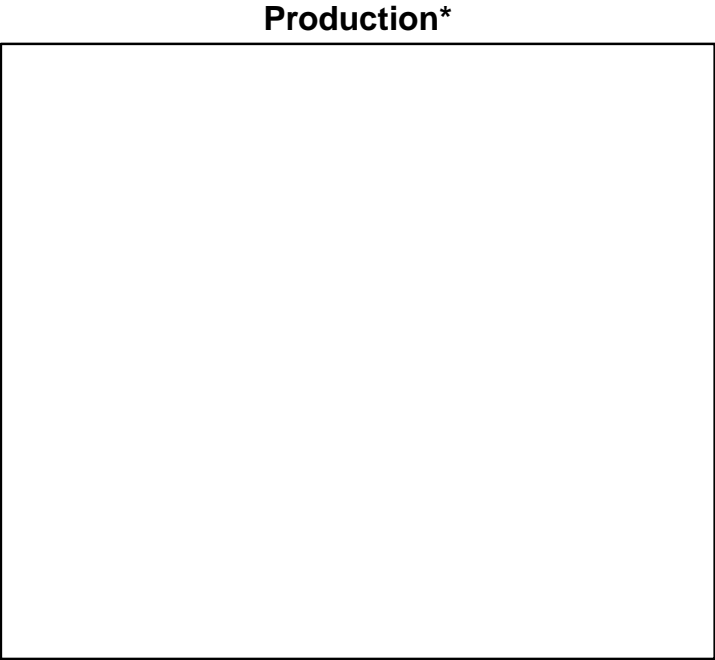
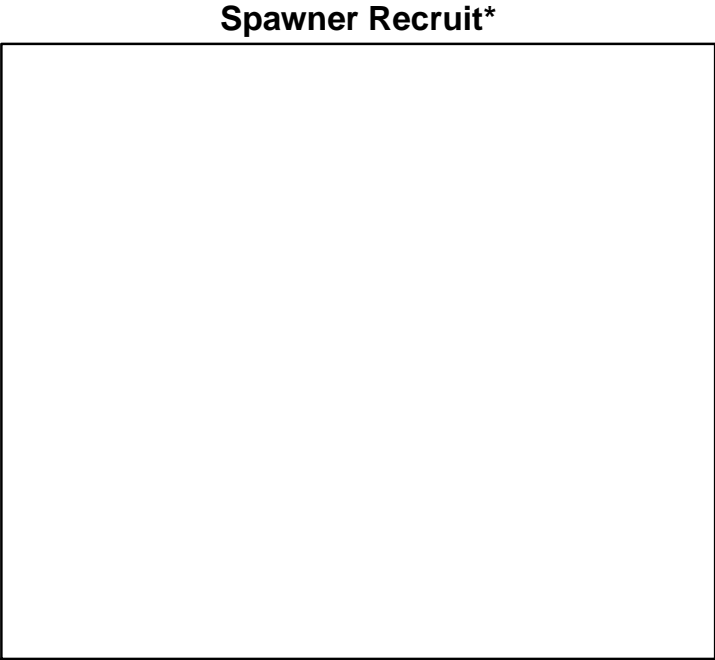
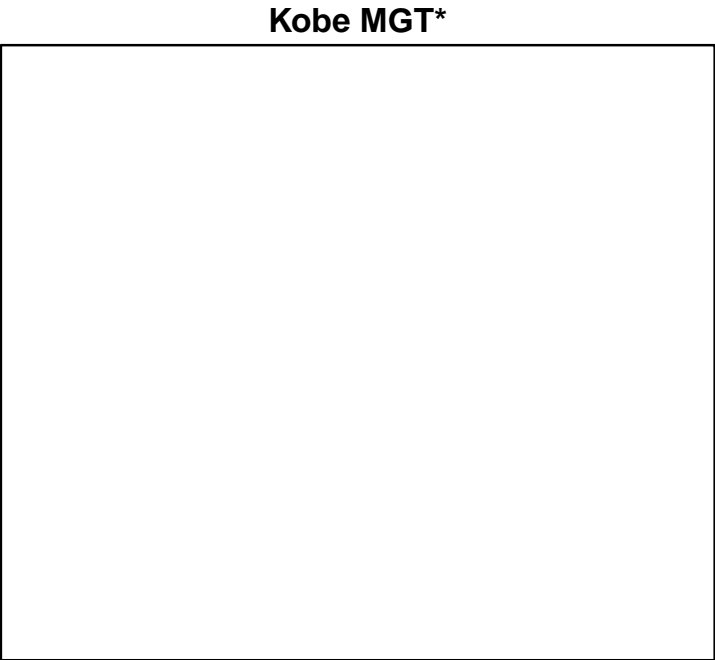
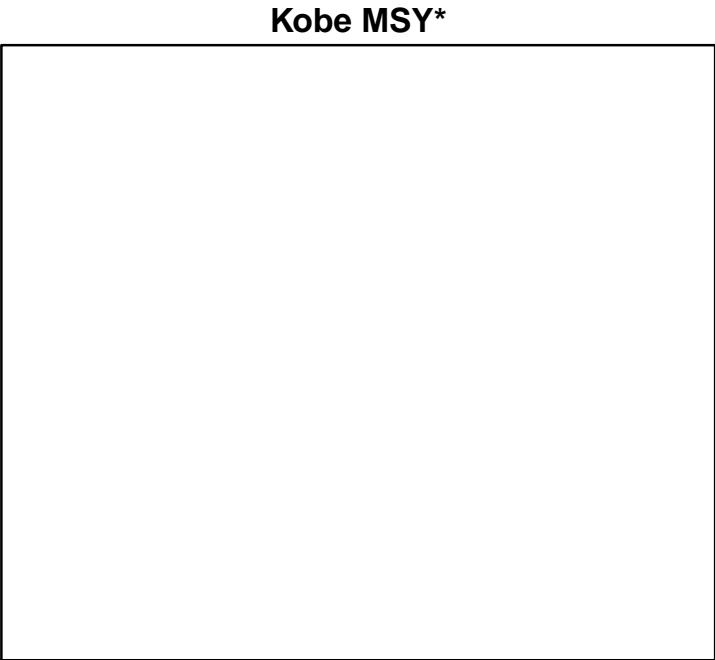
■ 1st listed time series ▲ 3rd listed time series — MORAT
● 2nd listed time series - - - MSY * No Data

Sand eel SA 5 [SEELNSSA5]

Metadata	
Scientific Name	Ammodytes marinus
Current Assess ID	HAWG-SEELNSSA5-1983-2015-ICESIMP2016
Area	Sandeel Area 5
Management Authority	International Council for the Exploration of the Sea
Assessor	Herring Assessment Working Group for the Area South of 62N
Asmts in RAM	2015

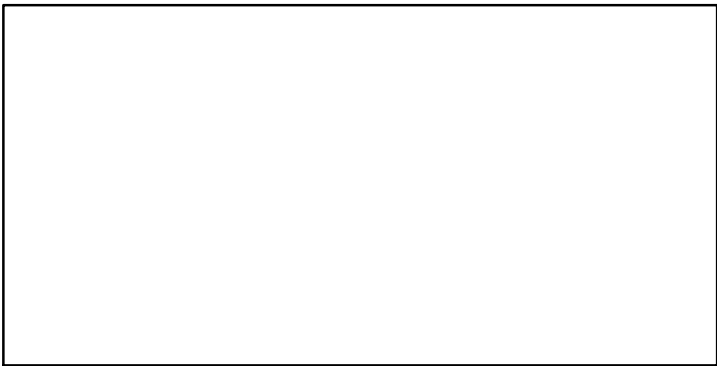
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2015	0		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

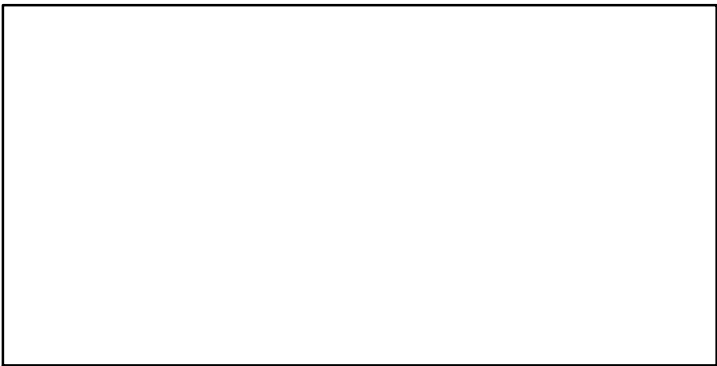


◆ Start Year ◆ End Year * No Data

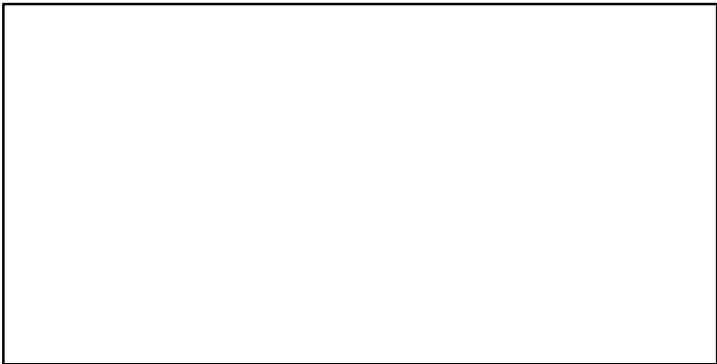
TB*



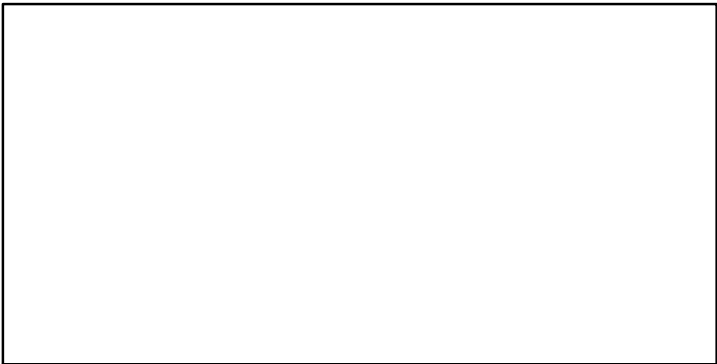
SSB*



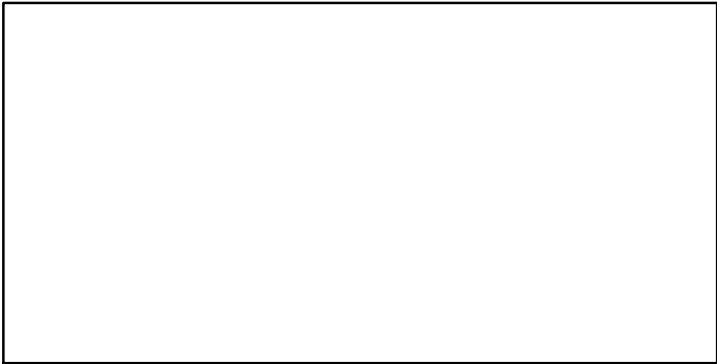
TN *



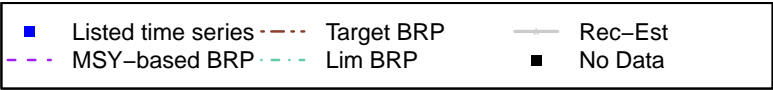
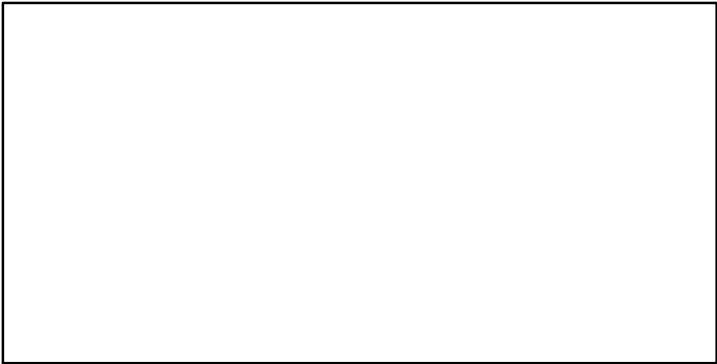
F*



ER*

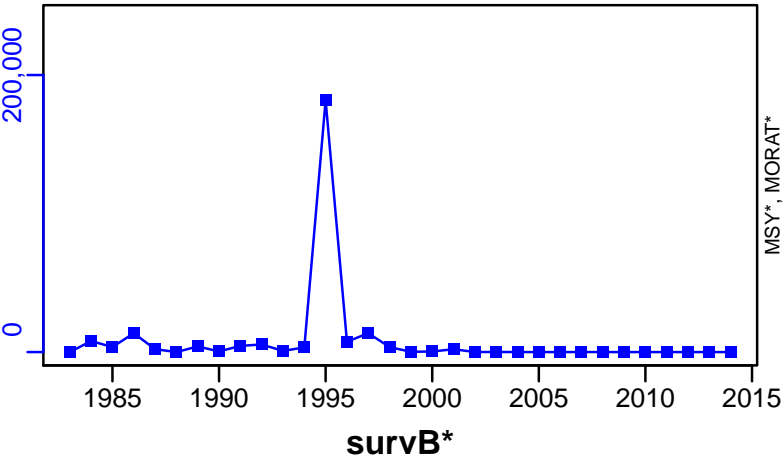


Recruits*



Sand eel SA 5 [SEELNSSA5]

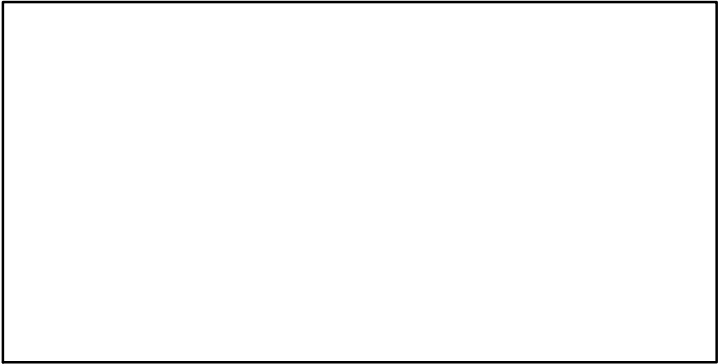
TC-MT, TL*, RecC* (1983-2015-ICESIMP2016)



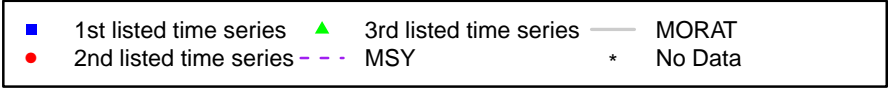
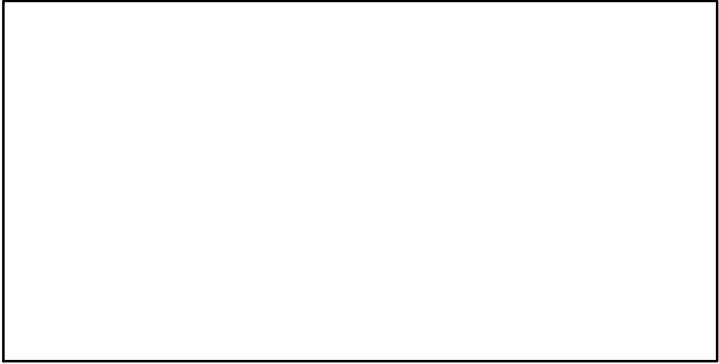
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



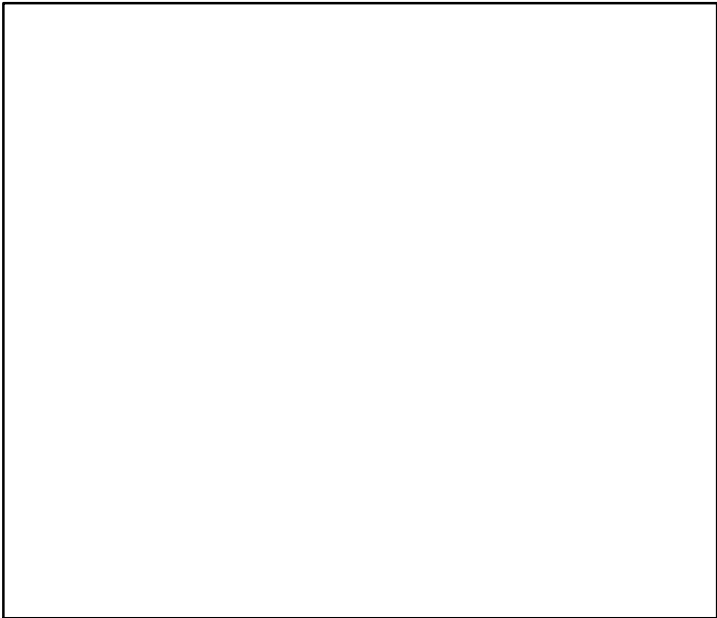
Sand eel SA 6 [SEELNSSA6]

Metadata	
Scientific Name	Ammodytes marinus
Current Assess ID	HAWG-SEELNSSA6-1983-2015-ICESIMP2016
Area	Sandeel Area 6
Management Authority	International Council for the Exploration of the Sea
Assessor	Herring Assessment Working Group for the Area South of 62N
Asmts in RAM	2015

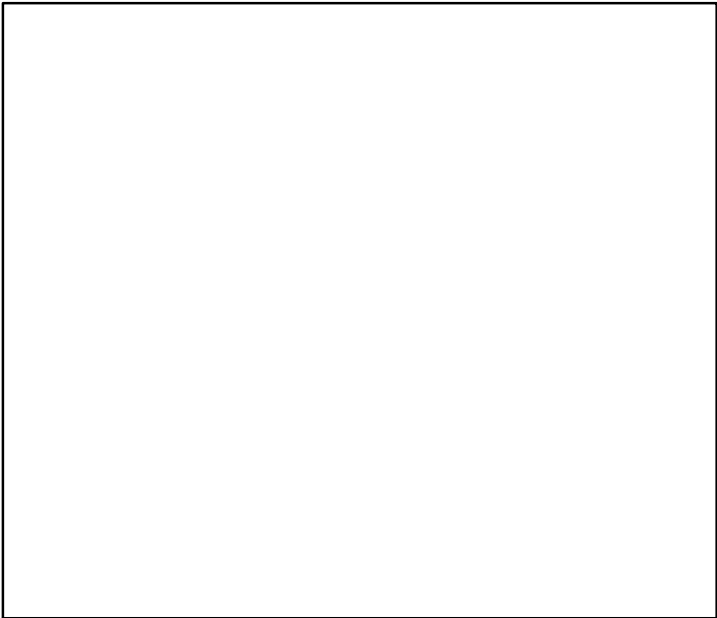
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2015	79		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

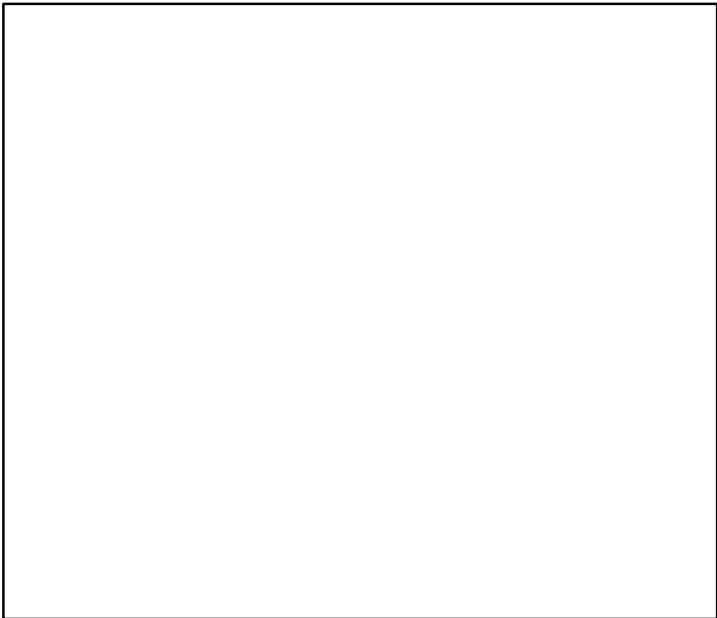
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*

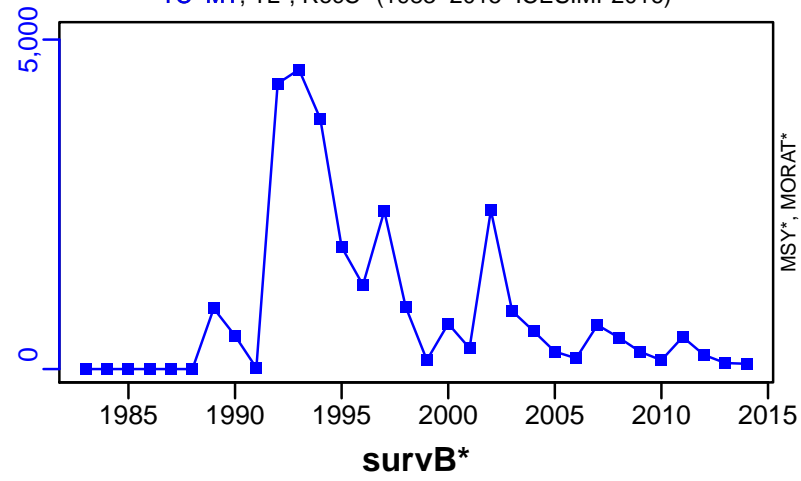


Recruits*



Sand eel SA 6 [SEELNSSA6]

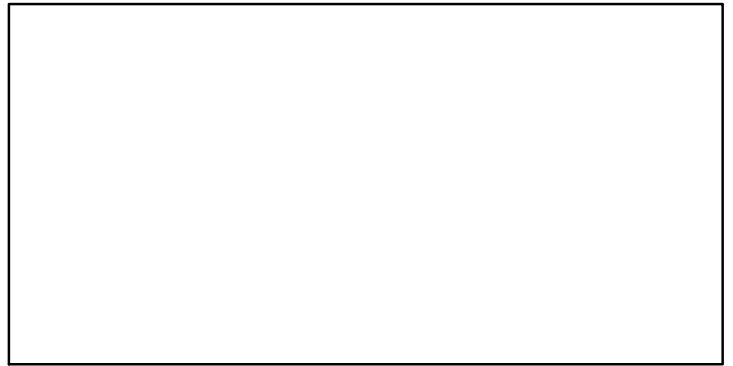
TC-MT, TL*, RecC* (1983–2015–ICESIMP2016)



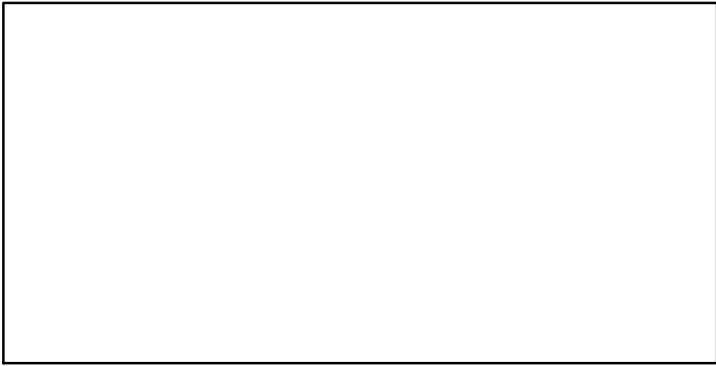
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



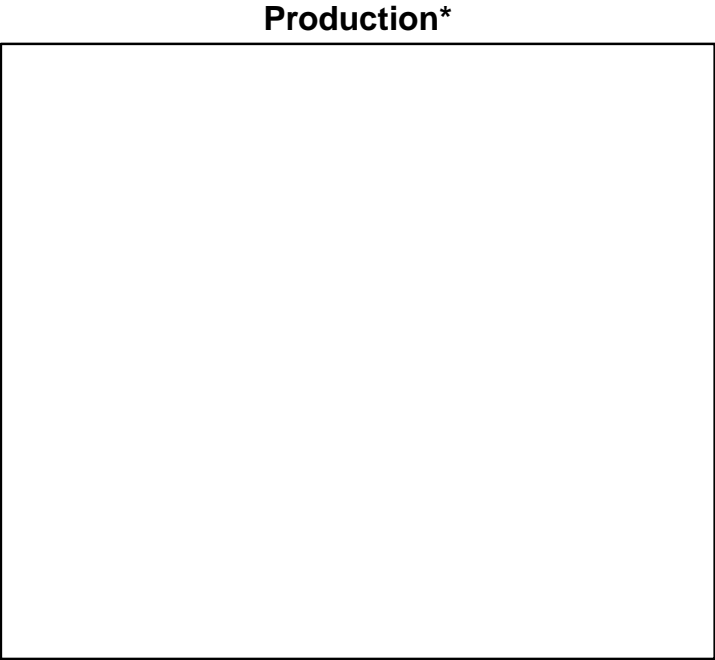
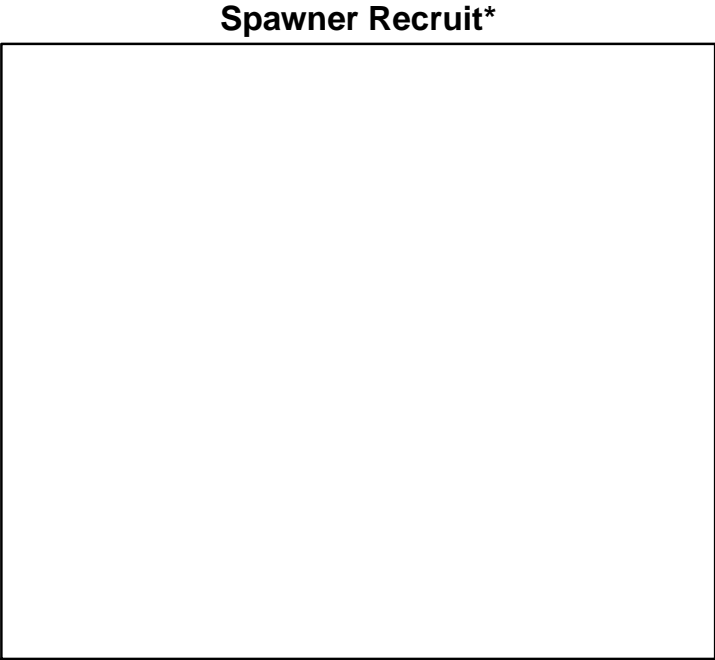
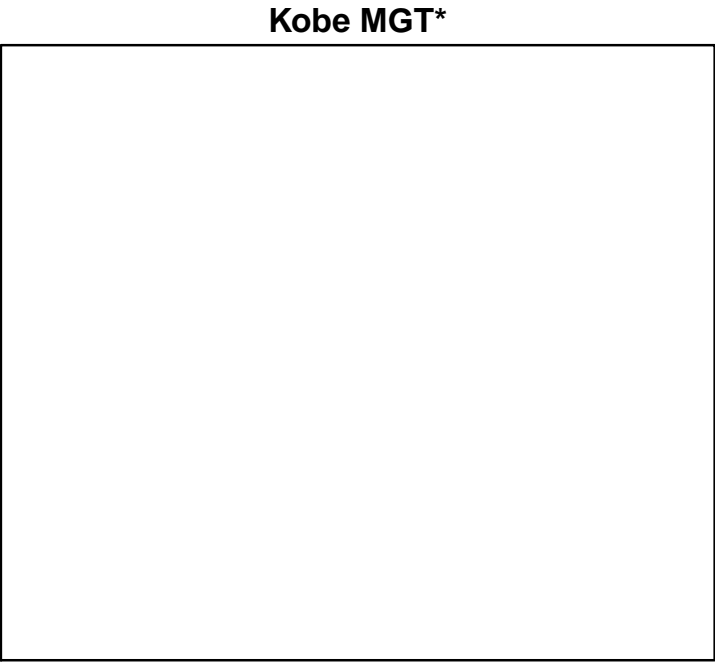
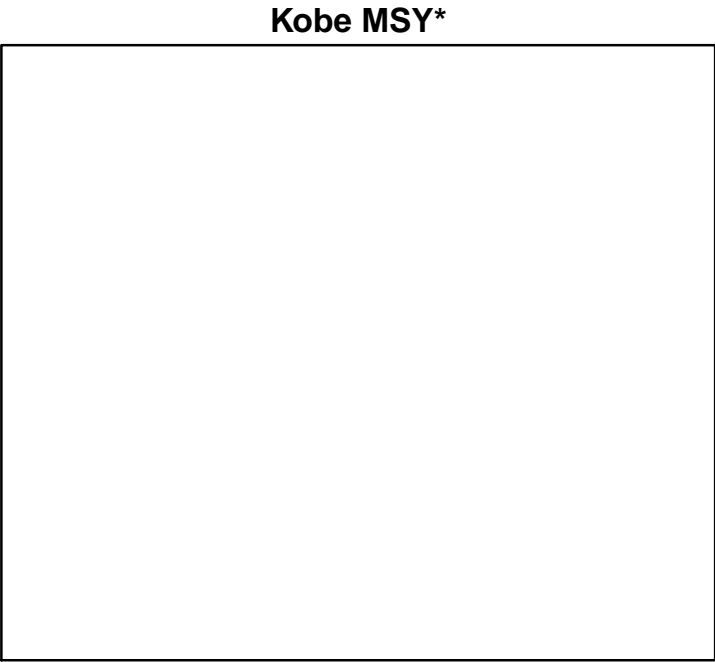
■ 1st listed time series ▲ 3rd listed time series — MORAT
● 2nd listed time series - - - MSY * No Data

Sand eel SA 7 [SEELNSSA7]

Metadata	
Scientific Name	Ammodytes marinus
Current Assess ID	HAWG-SEELNSSA7-1983-2015-ICESIMP2016
Area	Sandeel Area 7
Management Authority	International Council for the Exploration of the Sea
Assessor	Herring Assessment Working Group for the Area South of 62N
Asmts in RAM	2015

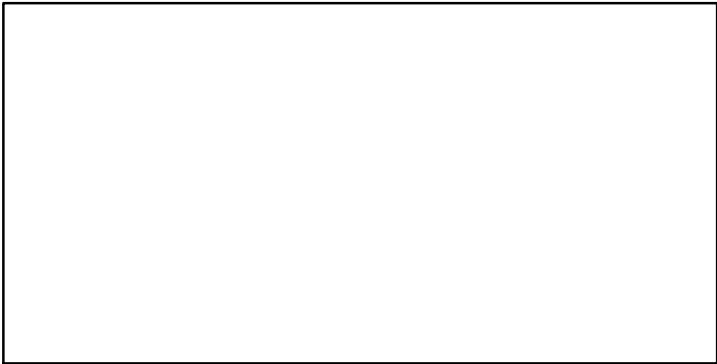
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2015	0		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

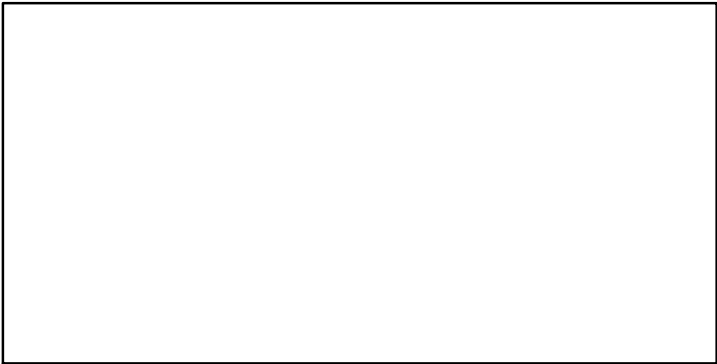


◆ Start Year ◆ End Year * No Data

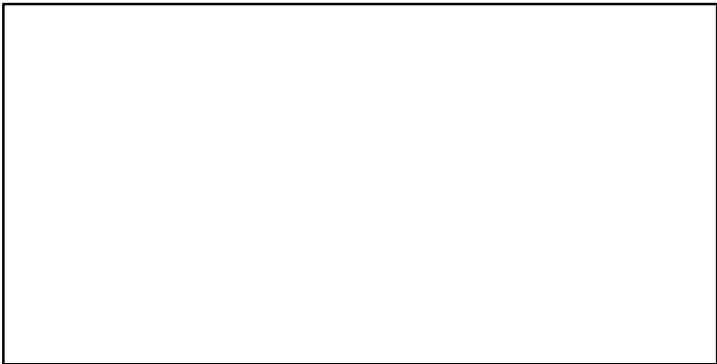
TB*



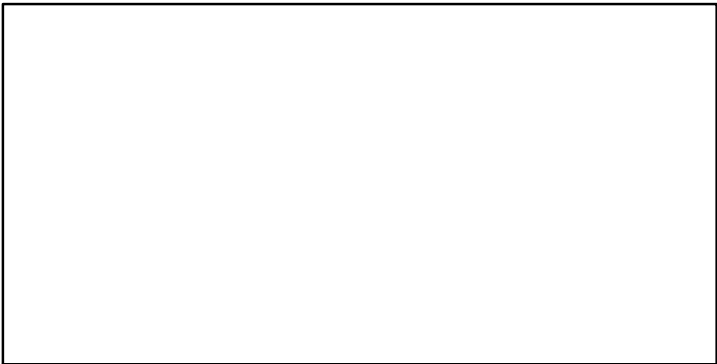
SSB*



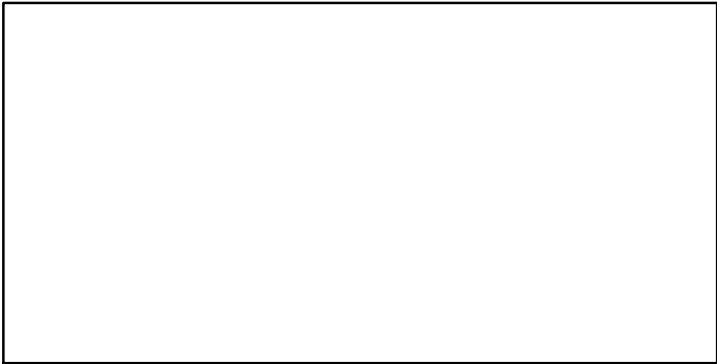
TN *



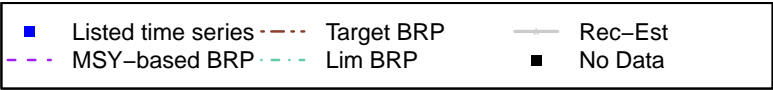
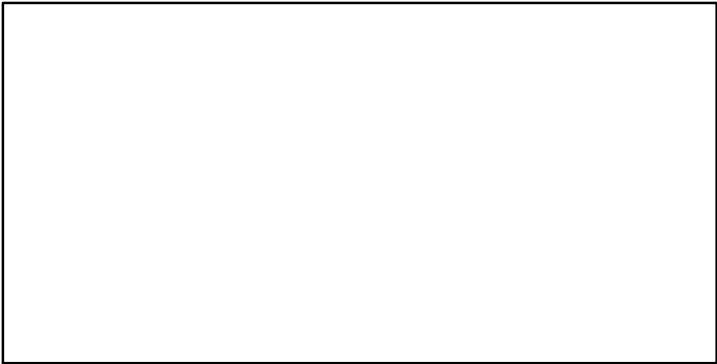
F*



ER*

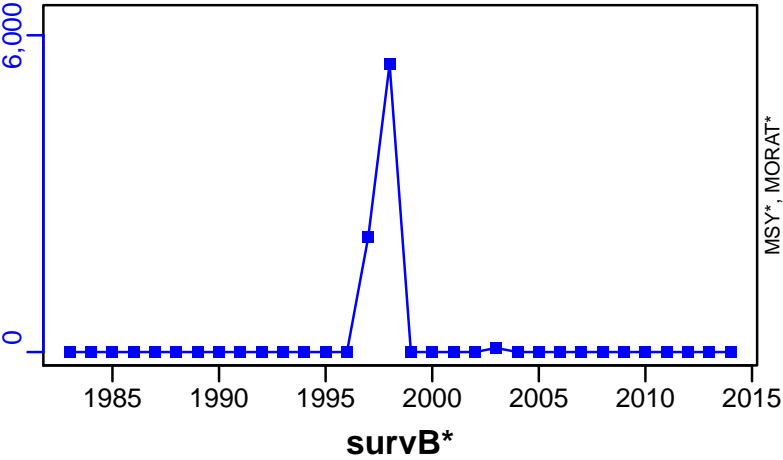


Recruits*



Sand eel SA 7 [SEELNSSA7]

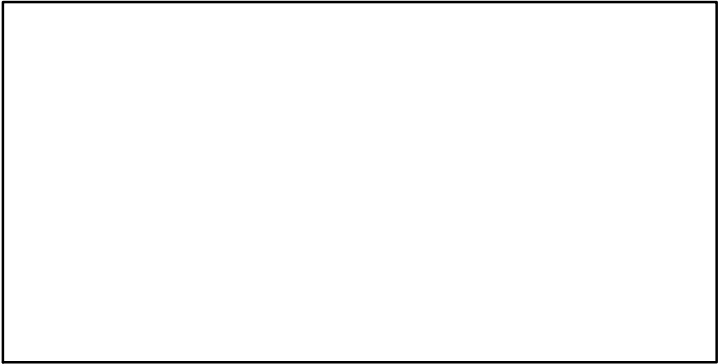
TC-MT, TL*, RecC* (1983-2015-ICESIMP2016)



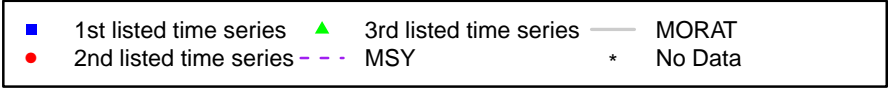
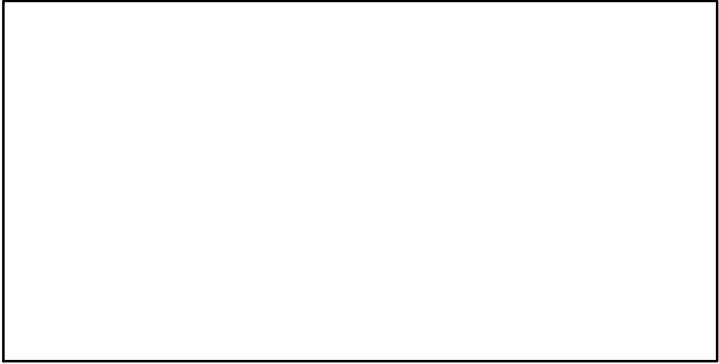
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Common sole Celtic Sea [SOLECS]

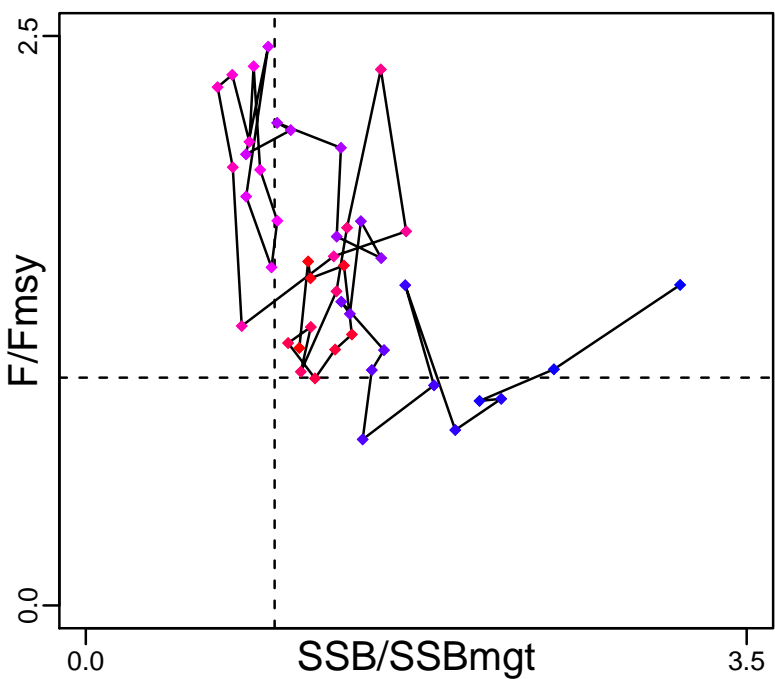
Metadata	
Scientific Name	Solea solea
Current Assess ID	WGCSE-SOLECS-1970-2016-ICESIMP2016
Area	Celtic Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2013, 2014, 2015, 2016, 2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.27
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	2400
Fmgt	Fmgt-1/yr	2016	0.27
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.1
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	1700
Flim	Flim-1/yr	2016	0.48
ERlim	-	-	-

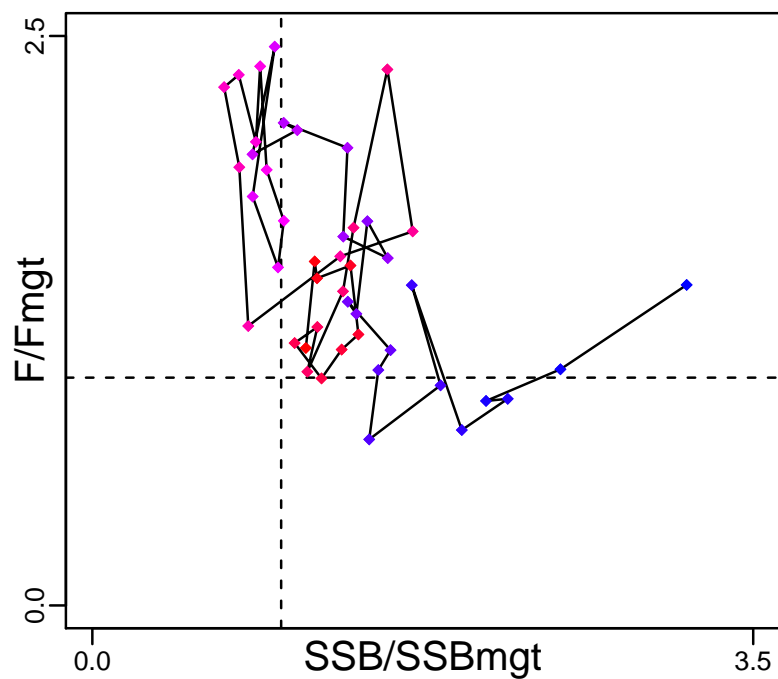
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	4130	Both	-
SSB	SSB-MT	2016	2600	Both	-
TN	-	-	-	-	-
R	R-E00	2016	4,930,000	-	1
F	F-1/yr	2016	0.305	-	4 to 8
ER	ER-calc-ratio	2016	0.166	-	-
TC	-	-	-		
TL	TL-MT	2016	830		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.13		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.081		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.13		
ER/ERmgt	-	-	-		

Common sole Celtic Sea [SOLECS]

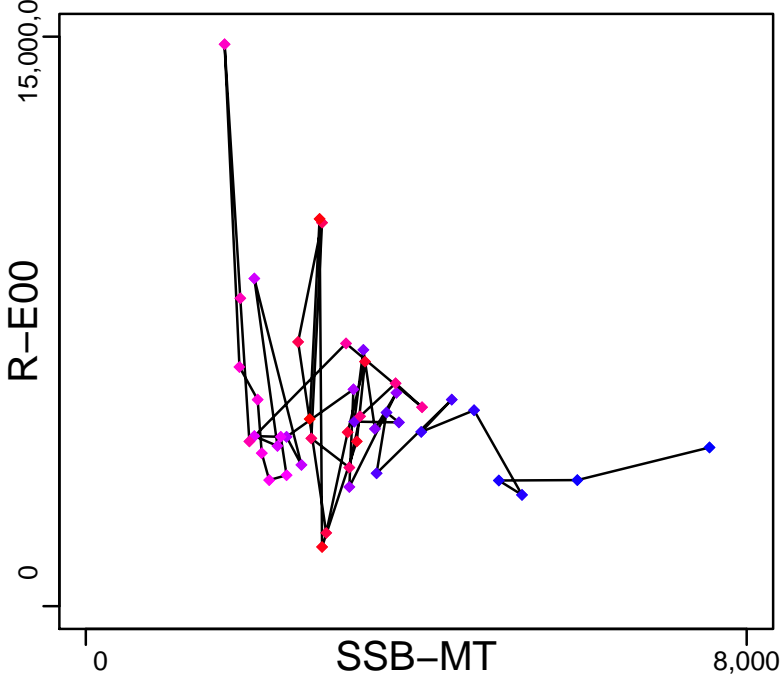
Kobe MSYpref (1970–2016–ICESIMP2016)



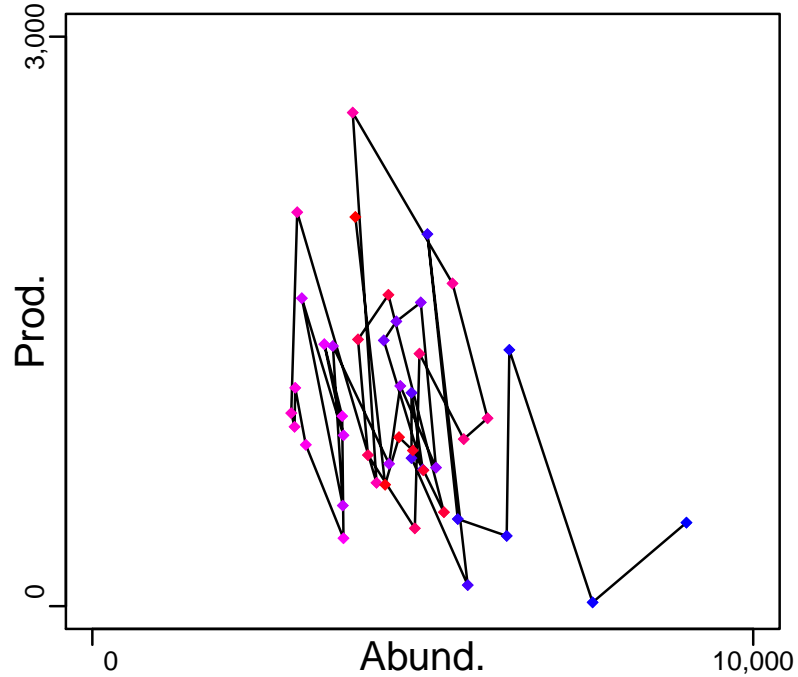
Kobe MGTpref (1970–2016–ICESIMP2016)



Spawner Recruit (1970–2016–ICESIMP2016)



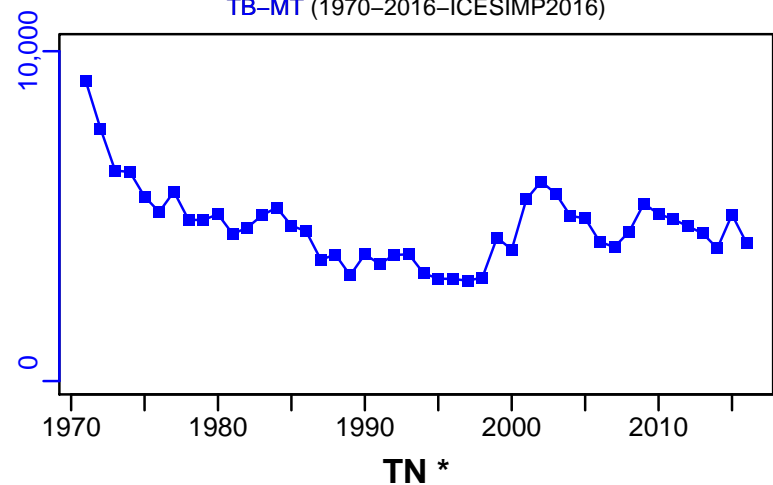
Production (1970–2016–ICESIMP2016)



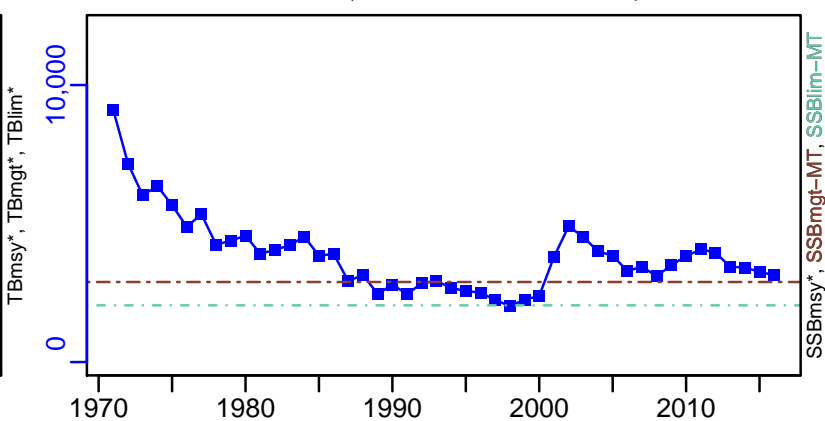
◆ Start Year ◆ End Year * No Data

Common sole Celtic Sea [SOLECS]

TB-MT (1970–2016–ICESIMP2016)



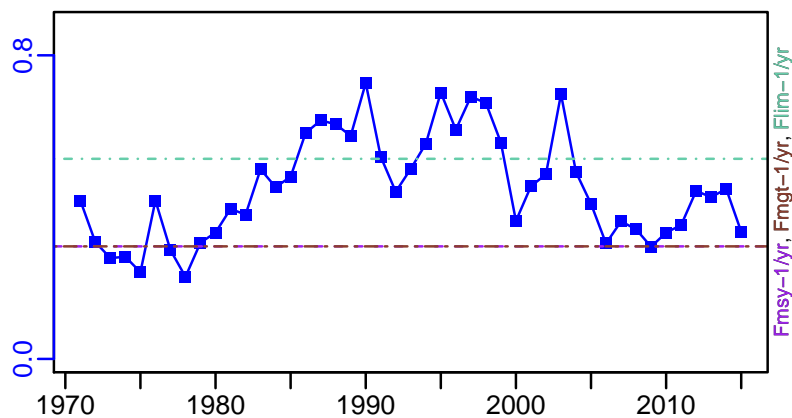
SSB-MT (1970–2016–ICESIMP2016)



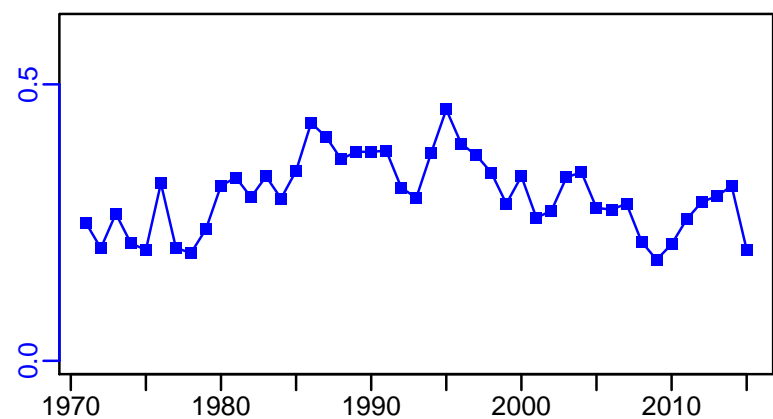
TN *



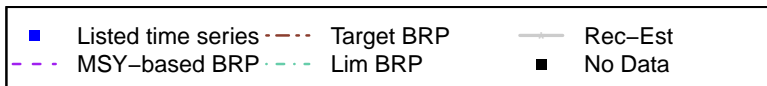
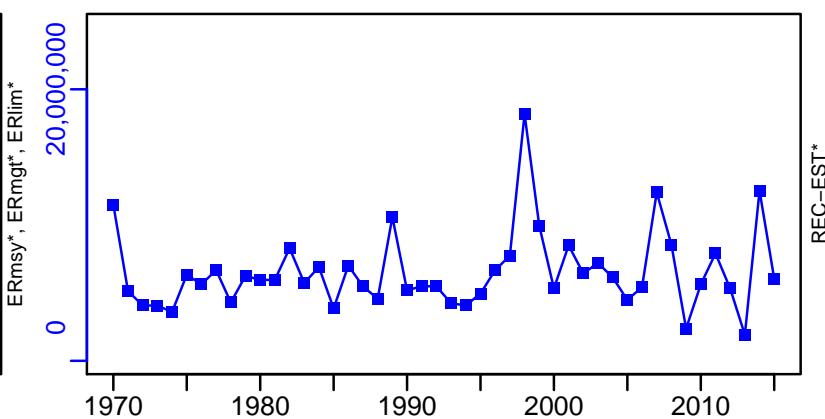
F-1/yr (1970–2016–ICESIMP2016)



ER-calc-ratio (1970–2016–ICESIMP2016)

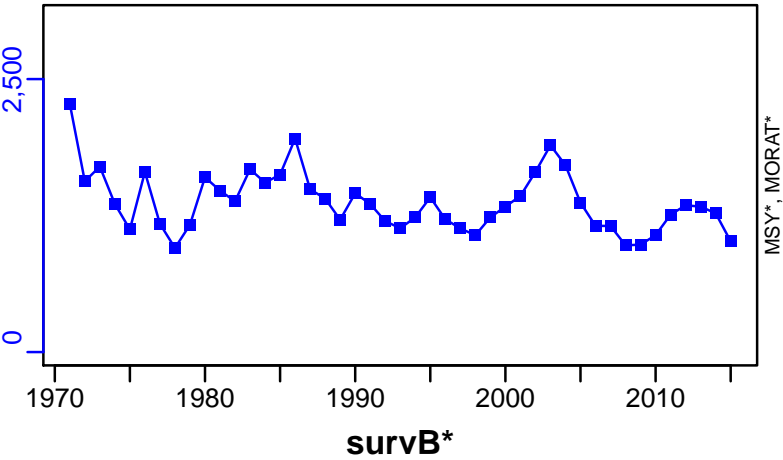


R-E00 (1970–2016–ICESIMP2016)



Common sole Celtic Sea [SOLECS]

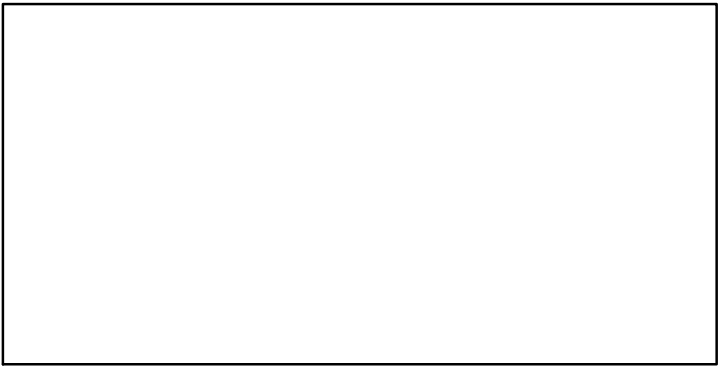
TL-MT, TC*, RecC* (1970-2016-ICESIMP2016)



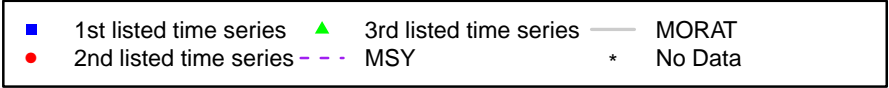
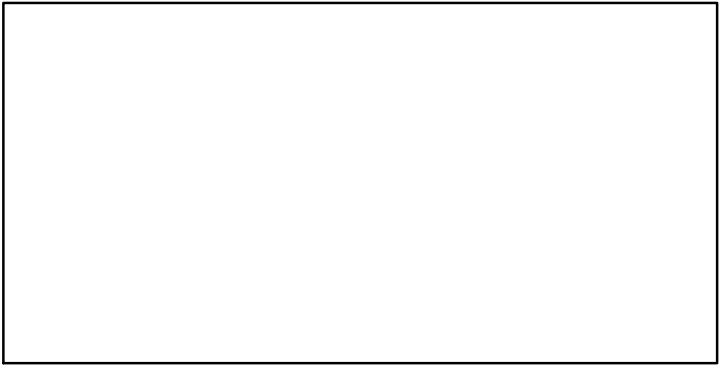
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Common sole 22-24-IIIa [SOLEIIIa-2224]

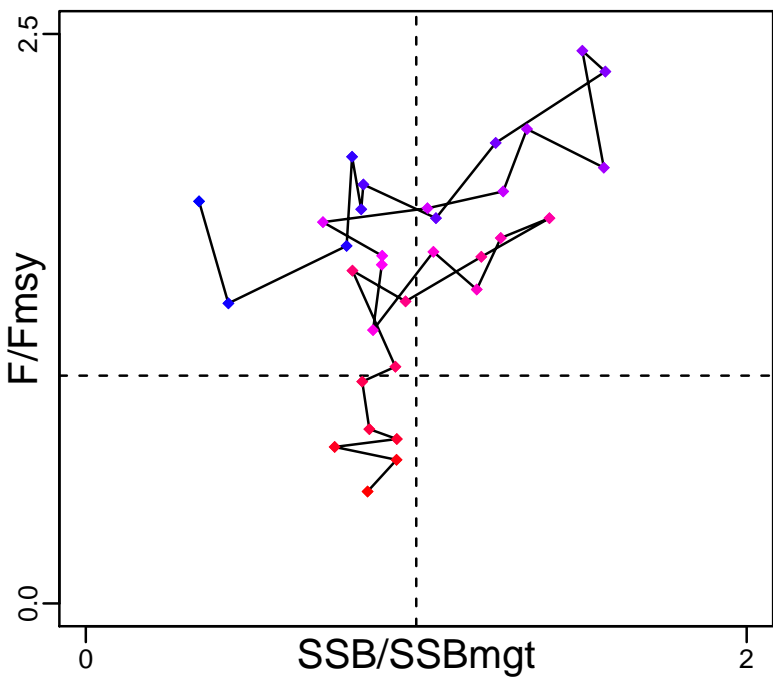
Metadata	
Scientific Name	Solea solea
Current Assess ID	WGBFAS-SOLEIIIa-2224-1983-2016-ICESIMP2016
Area	22-24-IIIa
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2013, 2014, 2015, 2016, 2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.23
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	2600
Fmgt	Fmgt-1/yr	2016	0.23
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.1
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	1850
Flim	Flim-1/yr	2016	0.315
ERlim	-	-	-

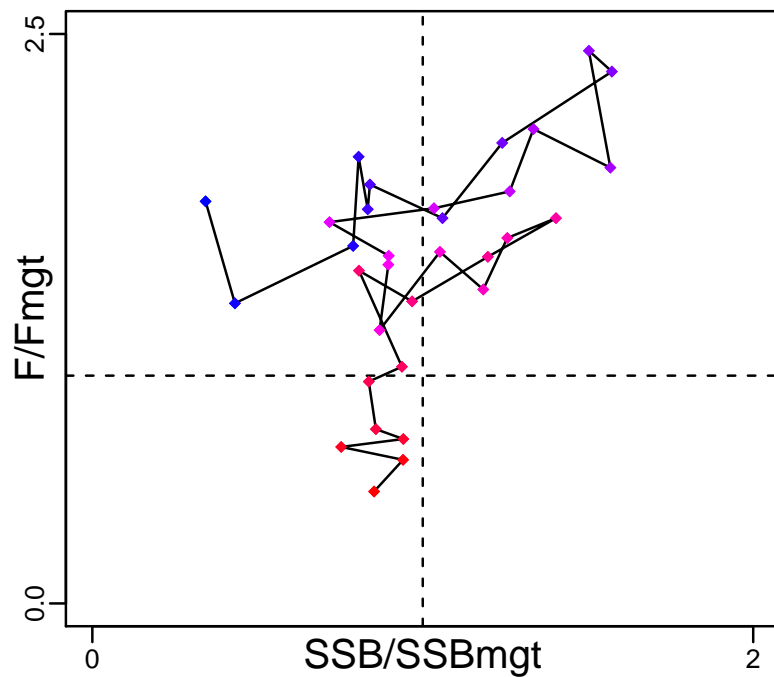
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	2930	Both	-
SSB	SSB-MT	2016	2450	Both	-
TN	-	-	-	-	-
R	R-E00	2016	1,920,000	-	1
F	F-1/yr	2016	0.113	-	4 to 8
ER	ER-calc-ratio	2016	0.076	-	-
TC	TC-MT	2011	538		
TL	TL-MT	2016	224		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.491		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.94		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.491		
ER/ERmgt	-	-	-		

Common sole 22–24–IIIa [SOLEIIIa–2224]

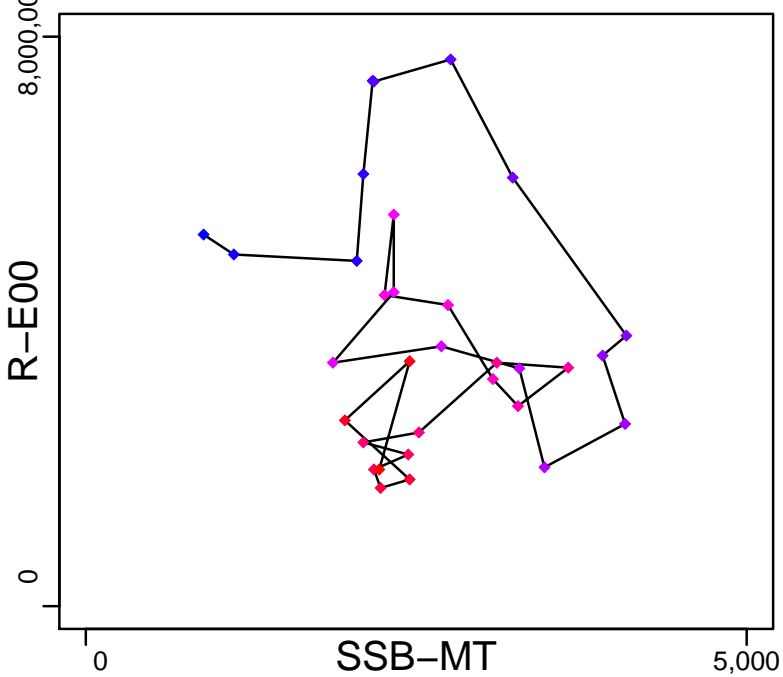
Kobe MSYpref (1983–2016–ICESIMP2016)



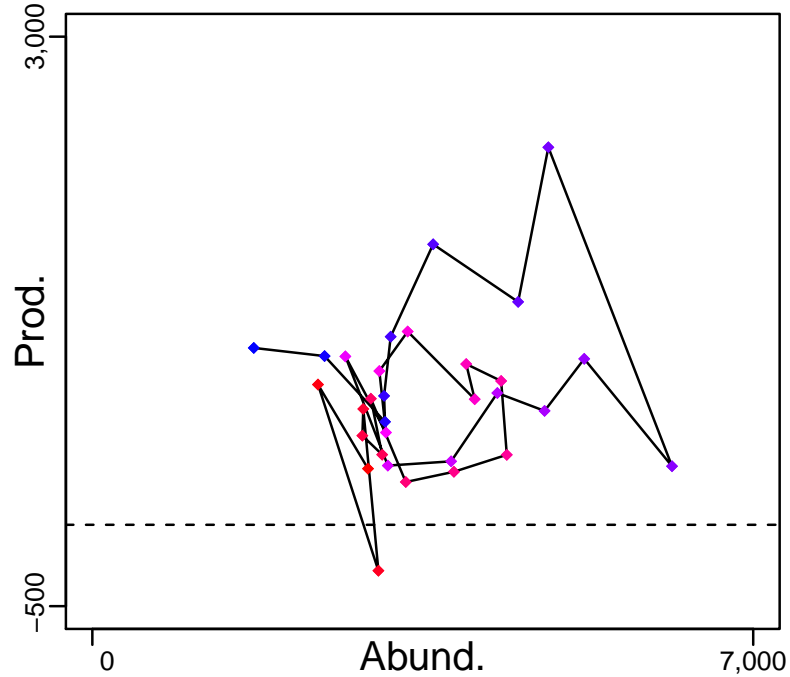
Kobe MGTpref (1983–2016–ICESIMP2016)



Spawner Recruit (1983–2016–ICESIMP2016)



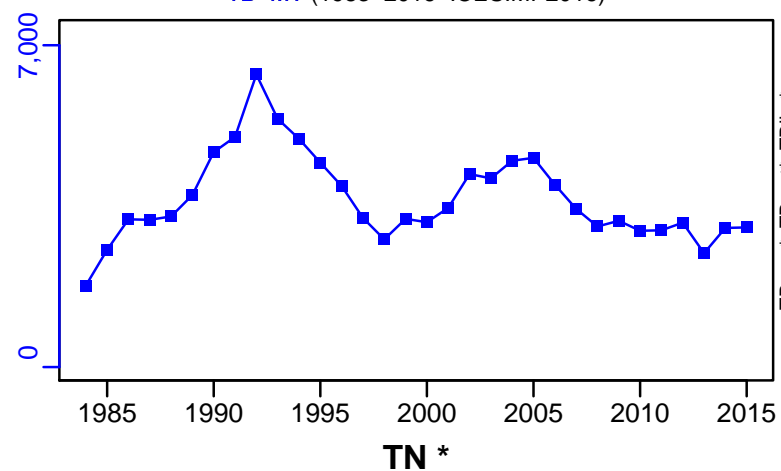
Production (1983–2016–ICESIMP2016)



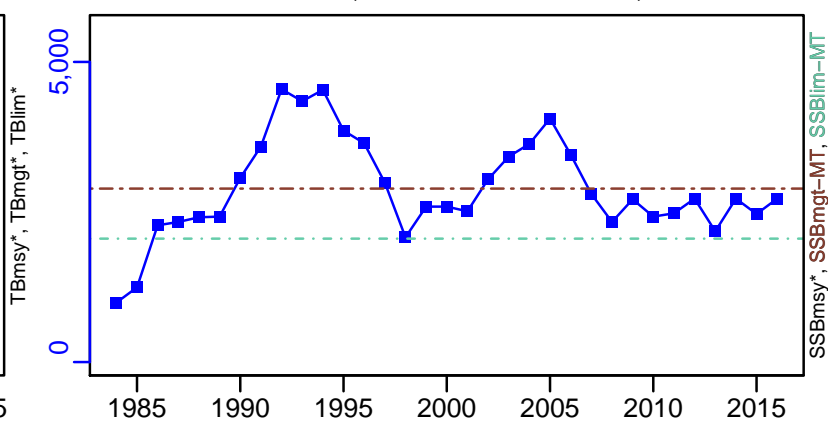
◆ Start Year ◆ End Year * No Data

Common sole 22-24-IIIa [SOLEIIIa-2224]

TB-MT (1983-2016-ICESIMP2016)

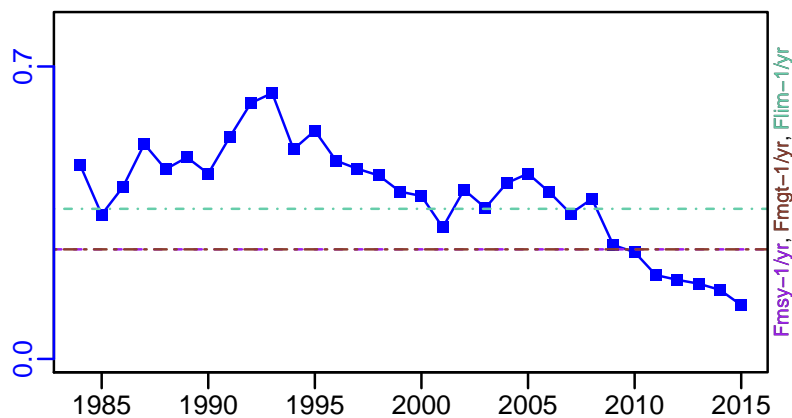
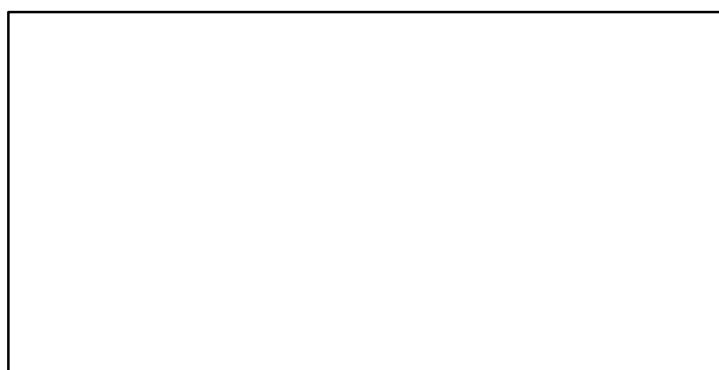


SSB-MT (1983-2016-ICESIMP2016)

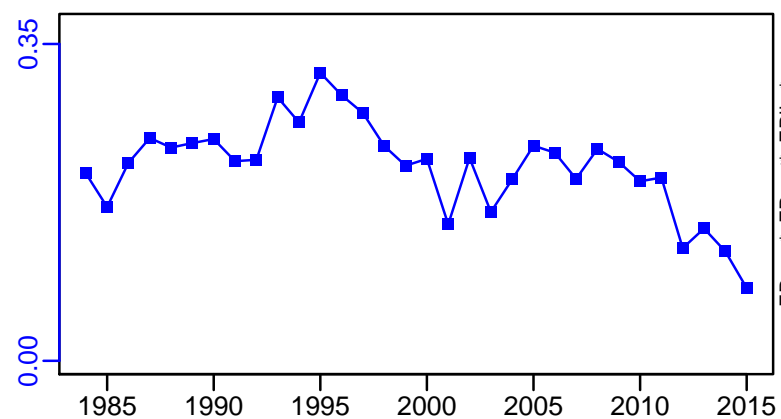


TN *

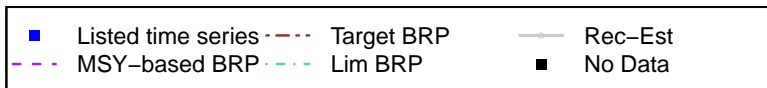
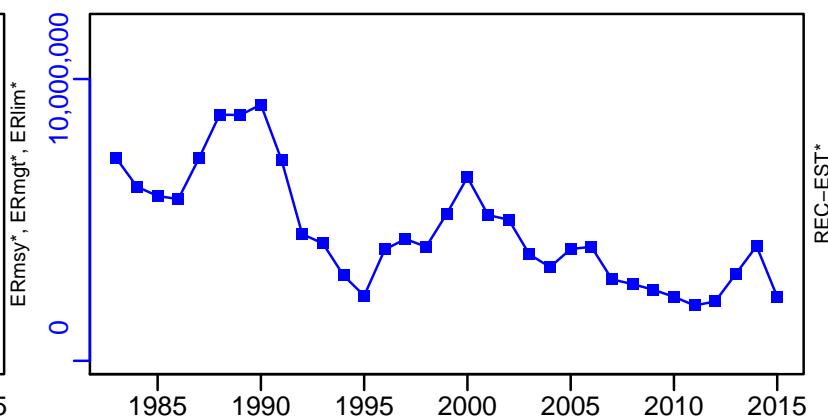
F-1/yr (1983-2016-ICESIMP2016)



ER-calc-ratio (1983-2016-ICESIMP2016)

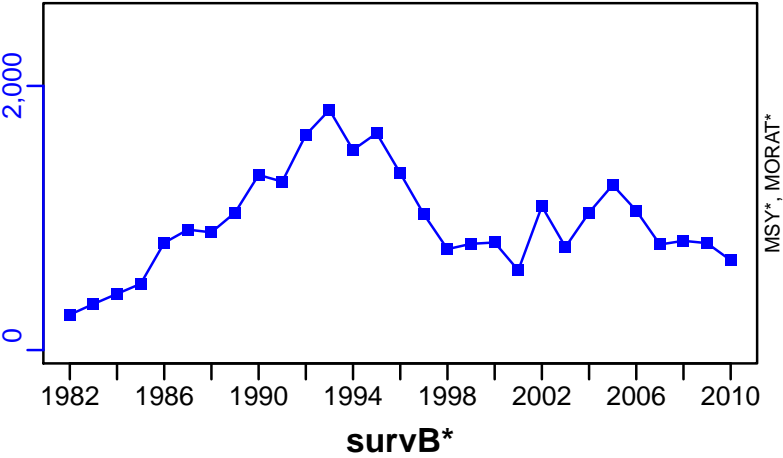


R-E00 (1983-2016-ICESIMP2016)

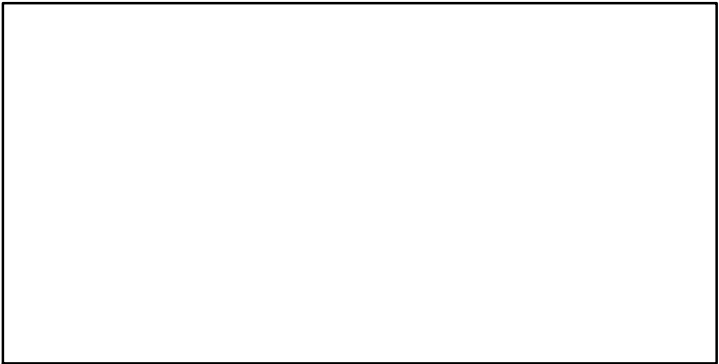


Common sole 22–24–IIIa [SOLEIIIa–2224]

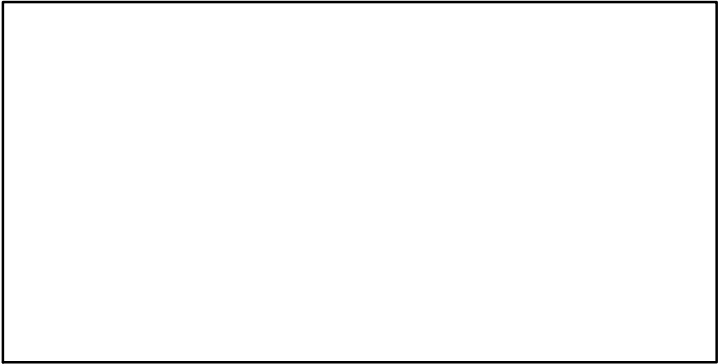
TC–MT, TL*, RecC* (1982–2011–NEUBAUER)



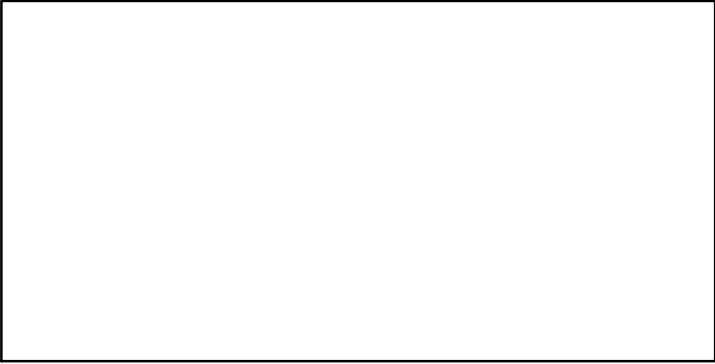
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Common sole Irish Sea [SOLEIS]

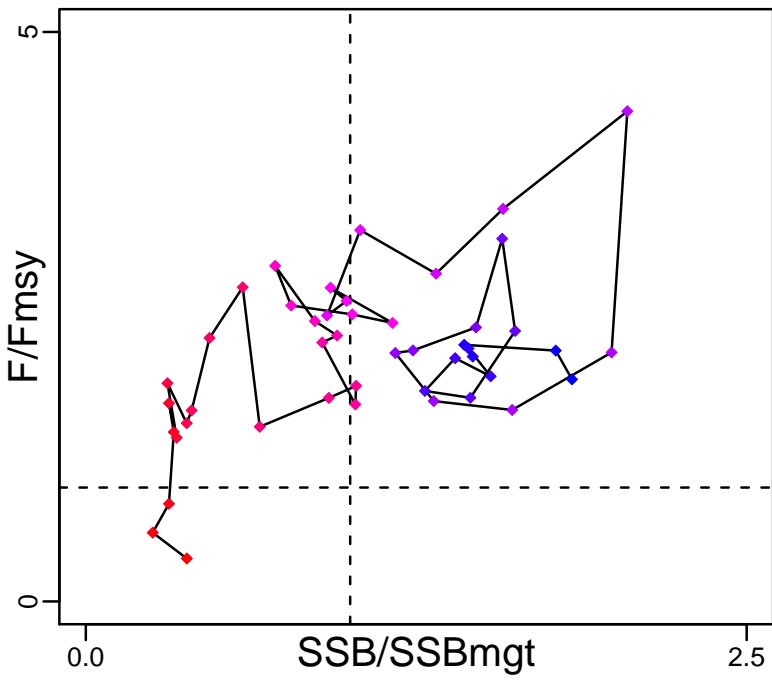
Metadata	
Scientific Name	Solea solea
Current Assess ID	WGCSE-SOLEIS-1968-2016-ICESIMP2016
Area	Irish Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2013, 2014, 2015, 2016, 2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.2
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	3500
Fmgt	Fmgt-1/yr	2016	0.2
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.1
TBlim	TBlim-MT	2011	2200
SSBlim	SSBlim-MT	2016	2500
Flim	Flim-1/yr	2016	0.29
ERlim	-	-	-

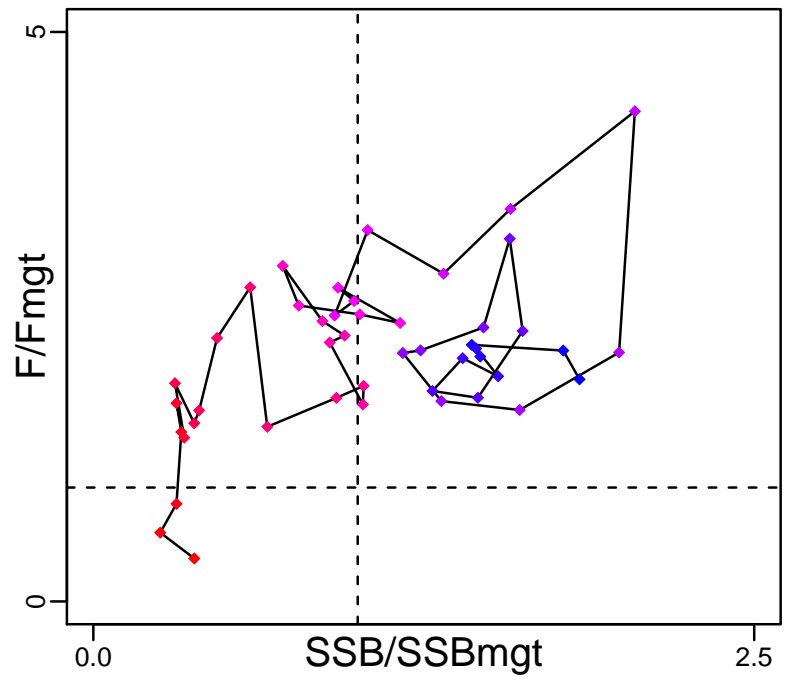
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	1660	Both	-
SSB	SSB-MT	2016	1450	Both	-
TN	-	-	-	-	-
R	R-E00	2016	1,210,000	-	2
F	F-1/yr	2016	0.075	-	4 to 7
ER	ER-calc-ratio	2016	0.048	-	-
TC	-	-	-		
TL	TL-MT	2016	76		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.377		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.413		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.377		
ER/ERmgt	-	-	-		

Common sole Irish Sea [SOLEIS]

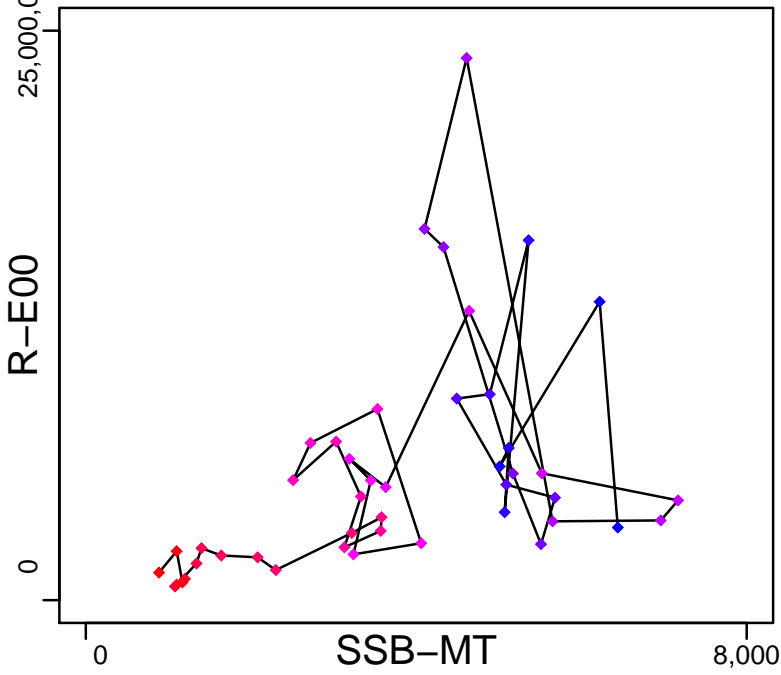
Kobe MSYpref (1968–2016–ICESIMP2016)



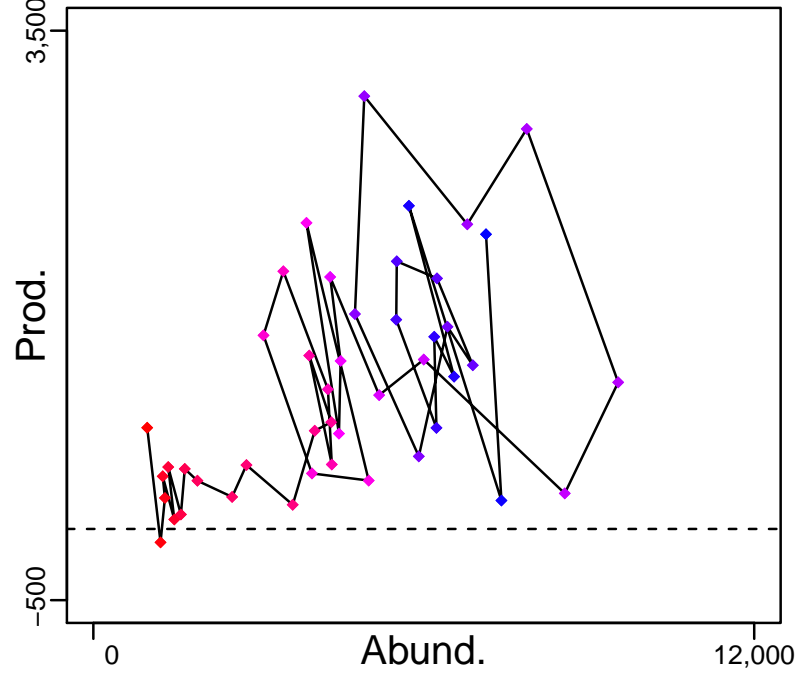
Kobe MGTpref (1968–2016–ICESIMP2016)



Spawner Recruit (1968–2016–ICESIMP2016)



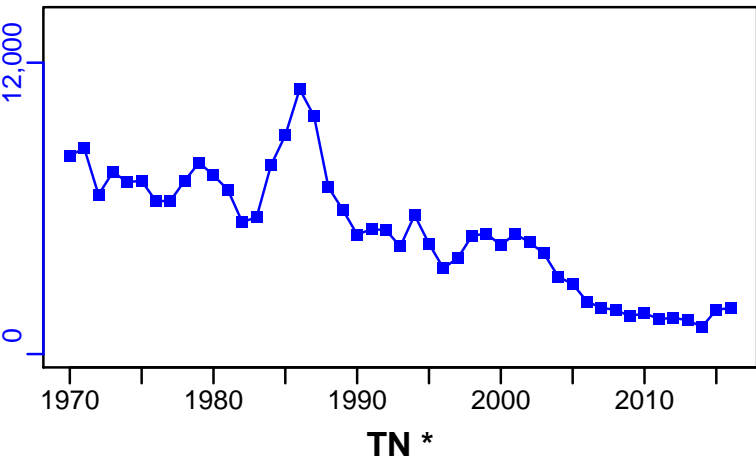
Production (1968–2016–ICESIMP2016)



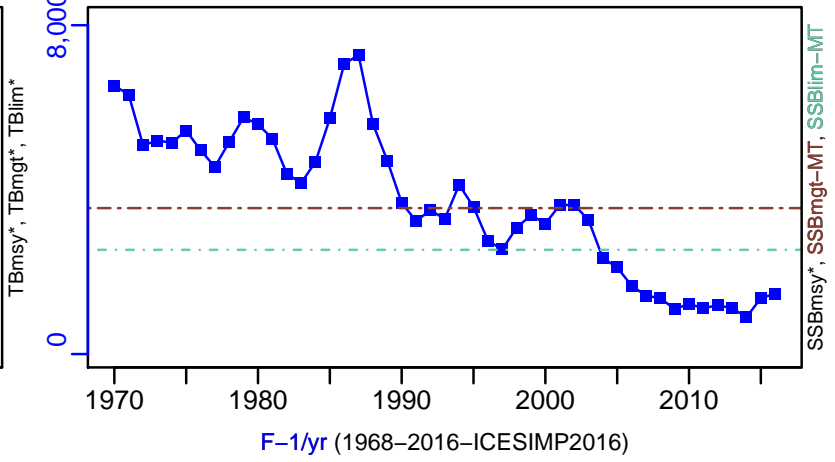
◆ Start Year ◆ End Year * No Data

Common sole Irish Sea [SOLEIS]

TB-MT (1968–2016–ICESIMP2016)

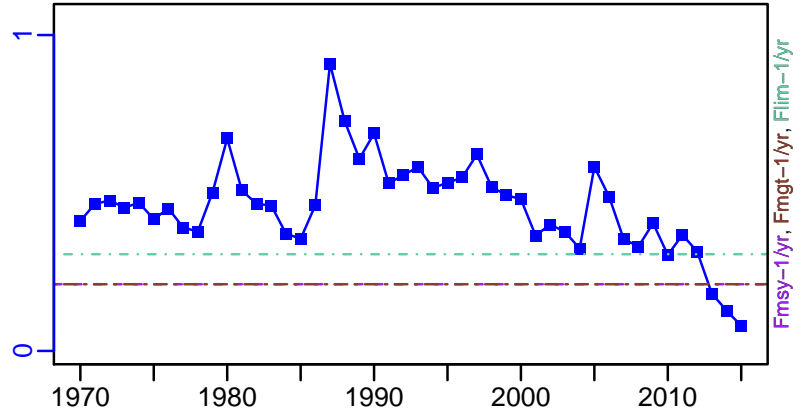
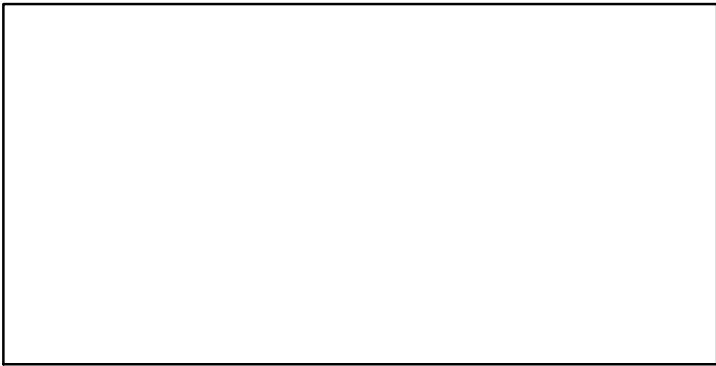


SSB-MT (1968–2016–ICESIMP2016)

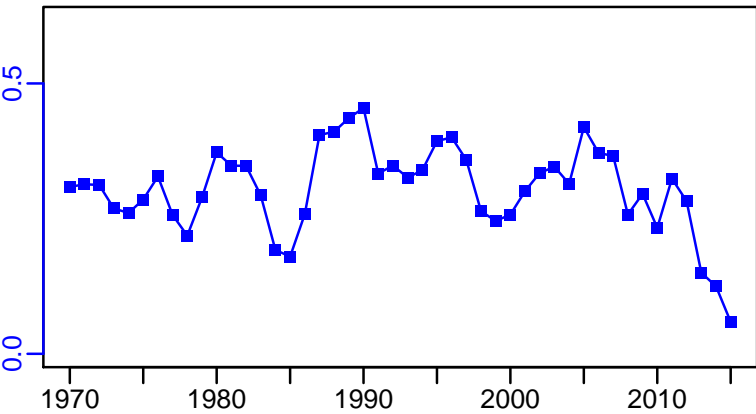


TN *

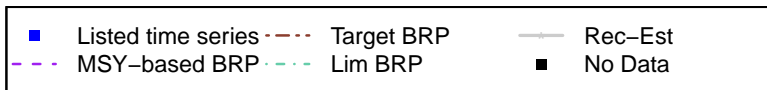
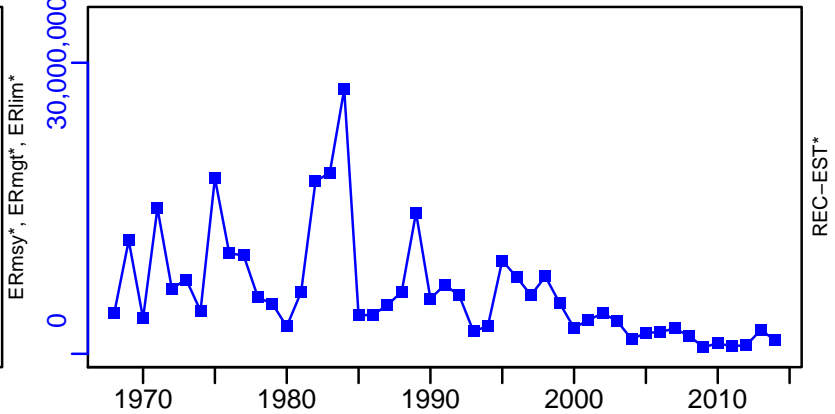
F-1/yr (1968–2016–ICESIMP2016)



ER-calc-ratio (1968–2016–ICESIMP2016)

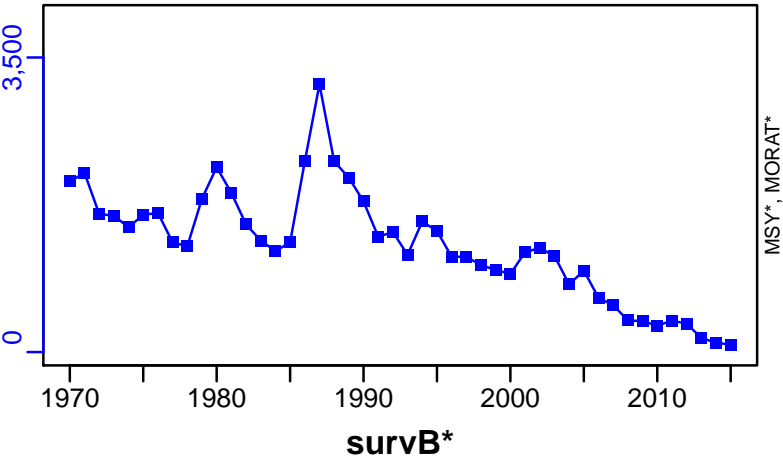


R-E00 (1968–2016–ICESIMP2016)



Common sole Irish Sea [SOLEIS]

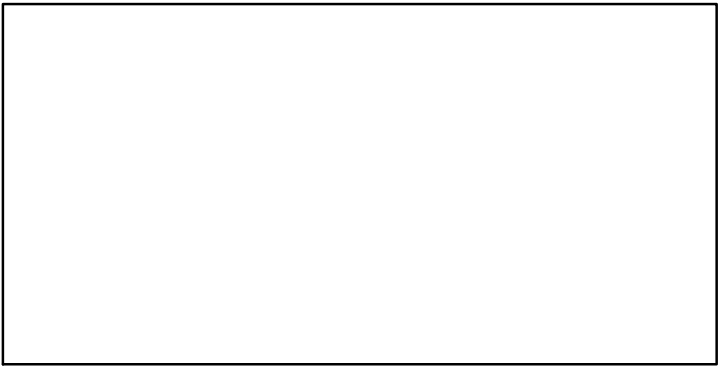
TL-MT, TC*, RecC* (1968-2016-ICESIMP2016)



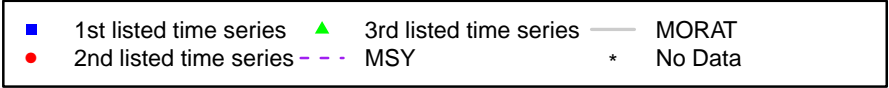
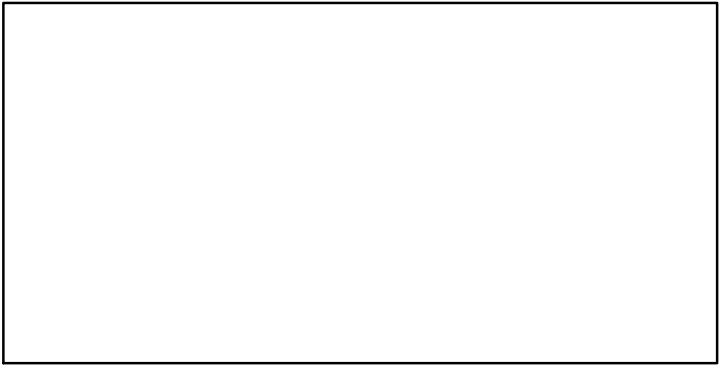
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Common sole North Sea [SOLENS]

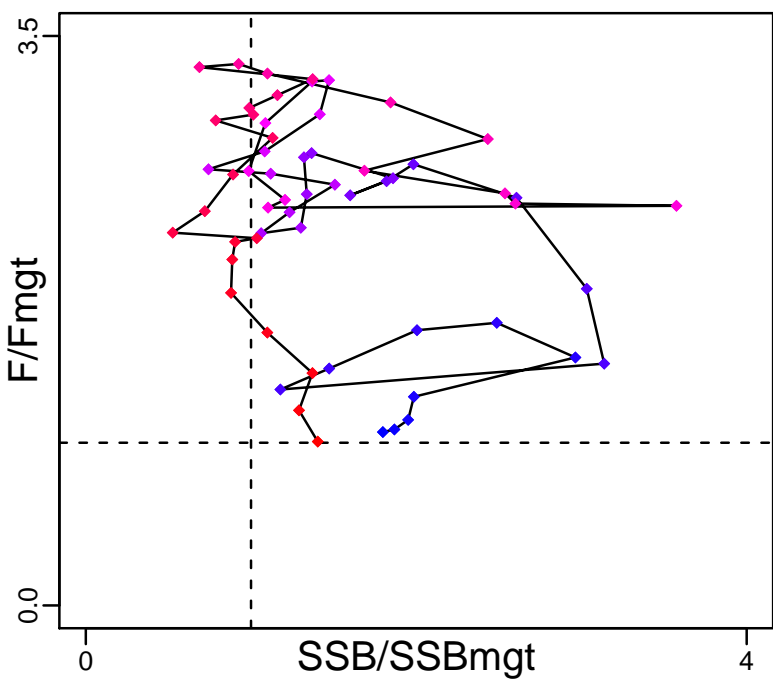
Metadata	
Scientific Name	Solea solea
Current Assess ID	WGNSSK-SOLENS-1956-2016-ICESIMP2016
Area	North Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2010, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2010	0.22
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	35,000
Fmgt	Fmgt-1/yr	2016	0.2
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.1
TBlim	TBlim-MT	2010	25,000
SSBlim	SSBlim-MT	2016	26,300
Flim	Flim-1/yr	2016	0.62
ERlim	-	-	-

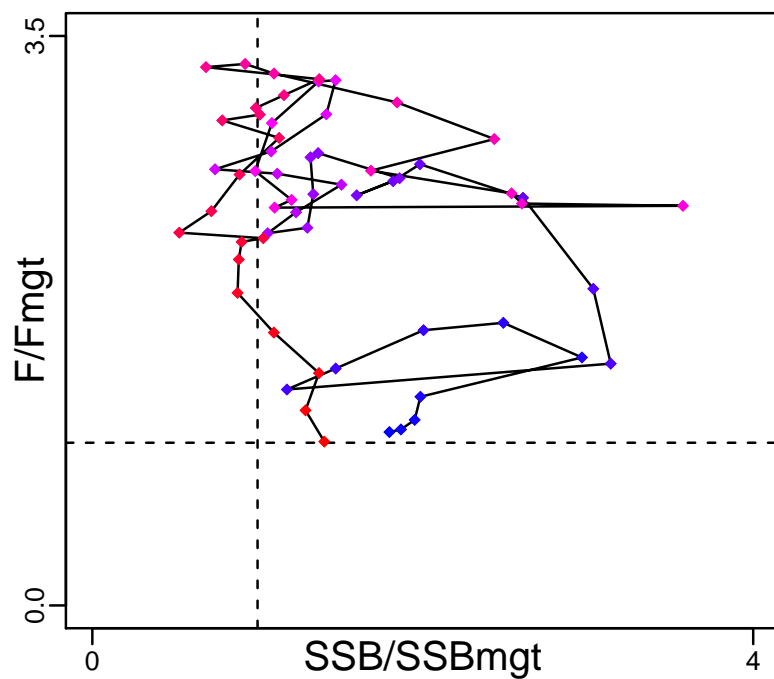
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	55,100	Both	-
SSB	SSB-MT	2016	64,300	Both	-
TN	-	-	-	-	-
R	R-E00	2016	59,200,000	-	1
F	F-1/yr	2016	0.201	-	2 to 6
ER	ER-calc-ratio	2015	0.251	-	-
TC	TC-MT	2016	14,300		
TL	TL-MT	2016	12,600		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2010	1.545		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.837		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.007		
ER/ERmgt	-	-	-		

Common sole North Sea [SOLENS]

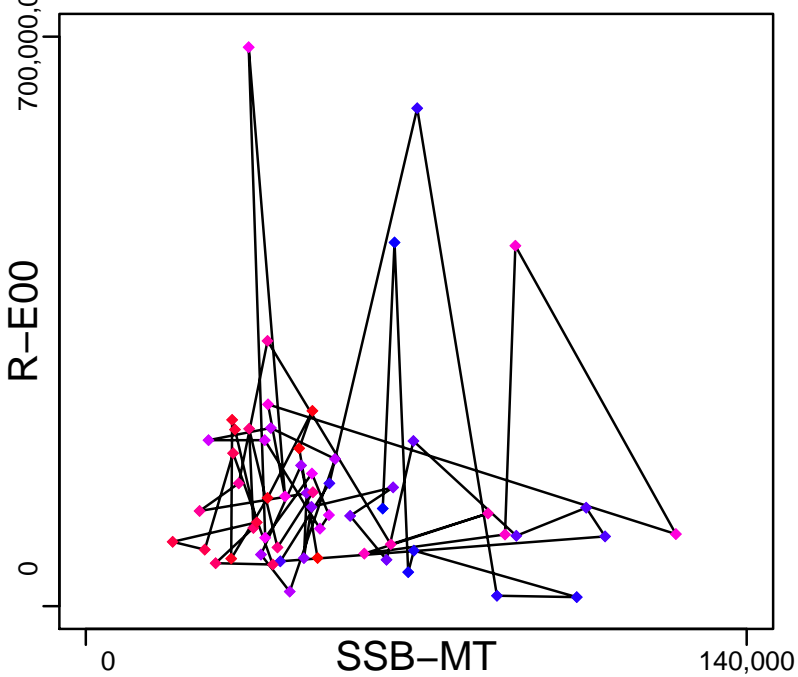
Kobe MSYpref (1956–2016–ICESIMP2016)



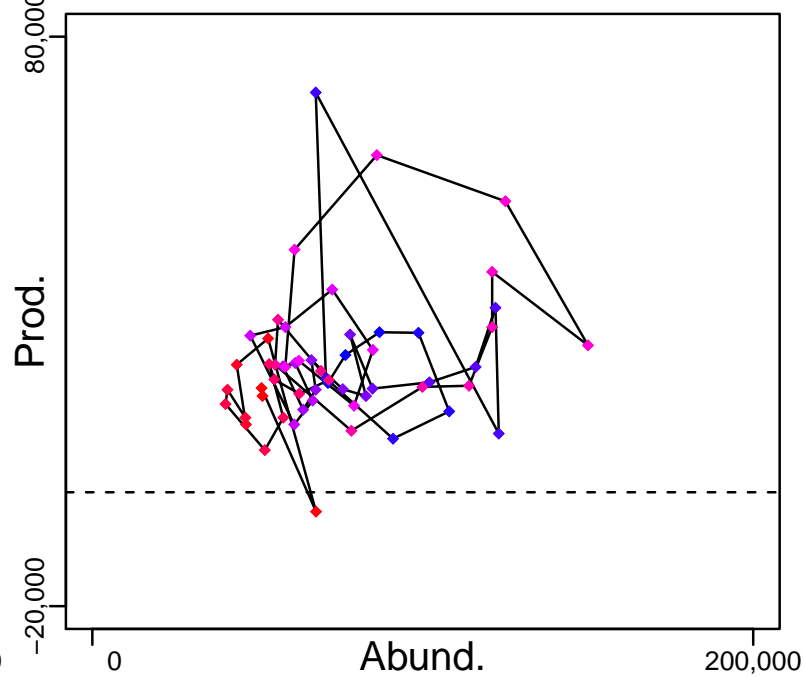
Kobe MGTpref (1956–2016–ICESIMP2016)



Spawner Recruit (1956–2016–ICESIMP2016)



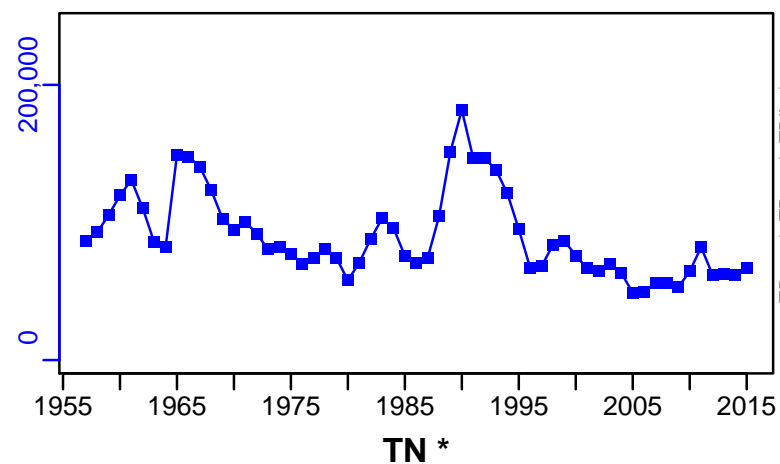
Production (1956–2015–ICESIMP2016)



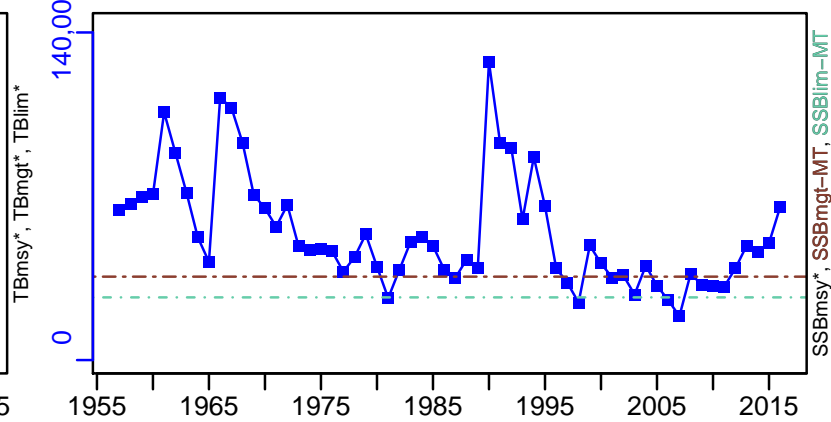
◆ Start Year ◆ End Year * No Data

Common sole North Sea [SOLENS]

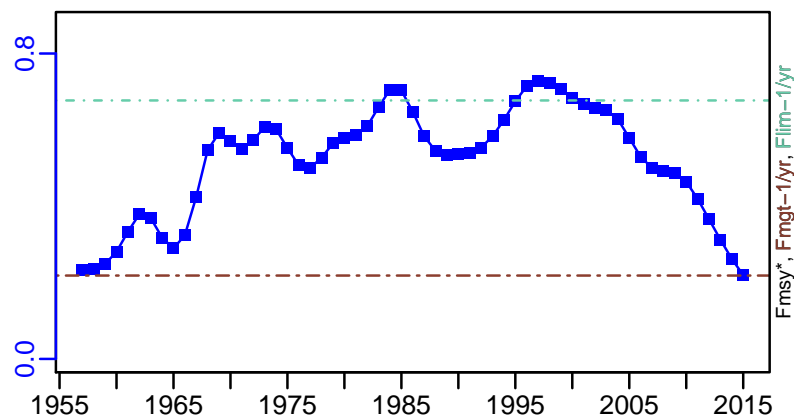
TB-MT (1956–2015–ICESIMP2016)



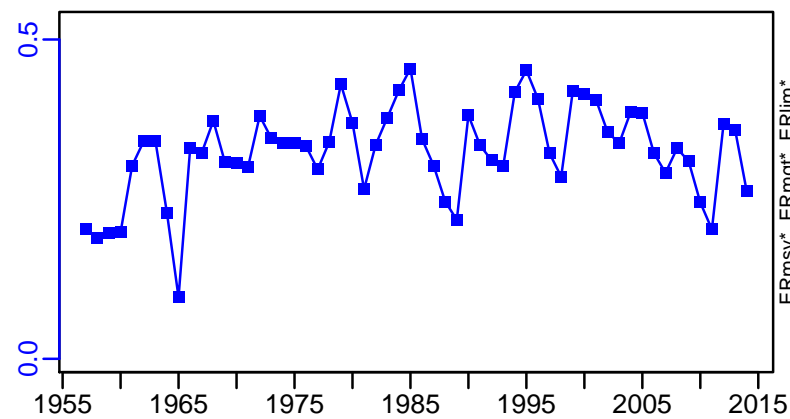
SSB-MT (1956–2016–ICESIMP2016)



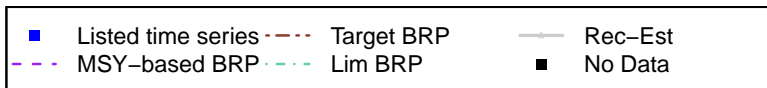
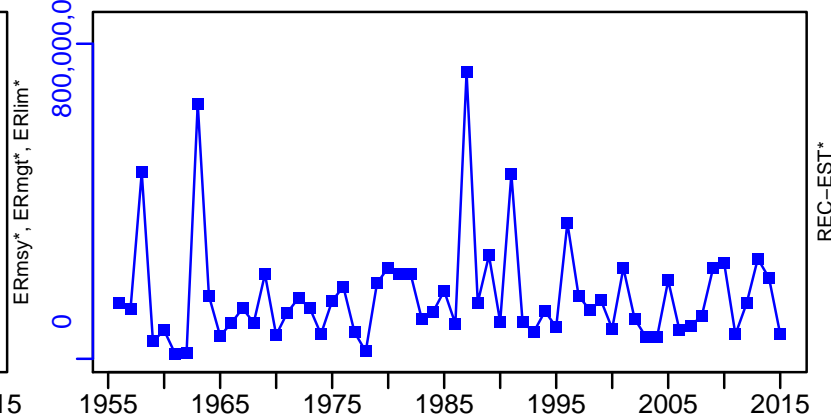
F-1/yr (1956–2016–ICESIMP2016)



ER-calc-ratio (1956–2015–ICESIMP2016)



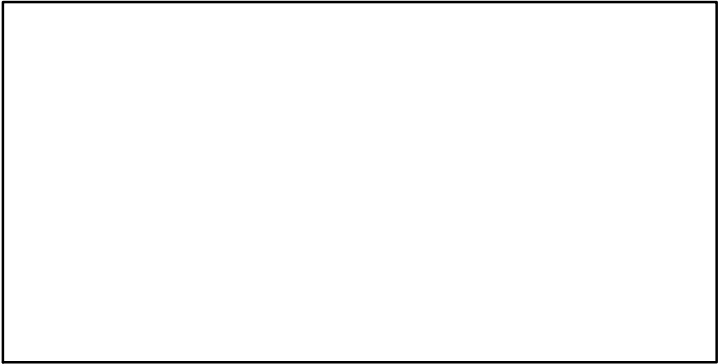
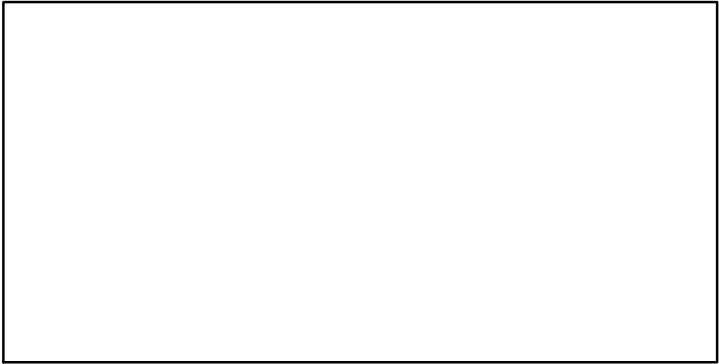
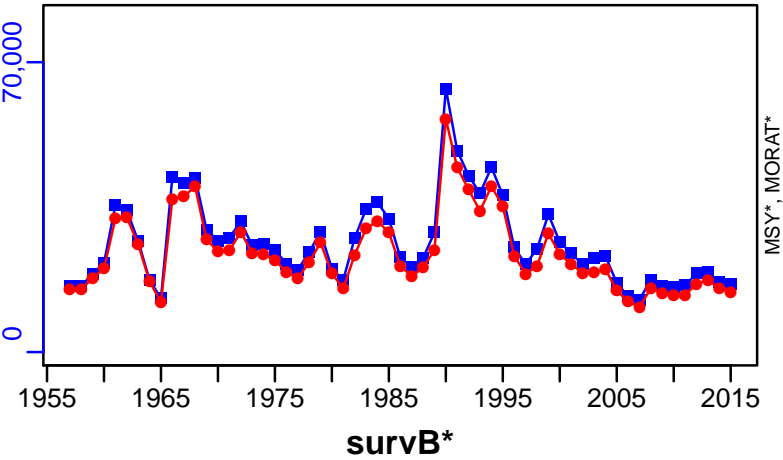
R-E00 (1956–2016–ICESIMP2016)



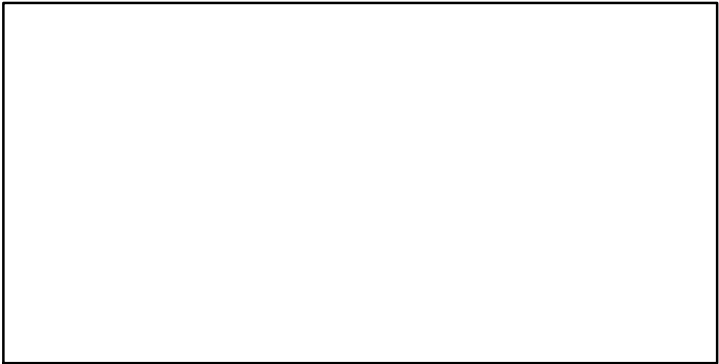
Common sole North Sea [SOLENS]

TC-MT, TL-MT, RecC* (1956–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



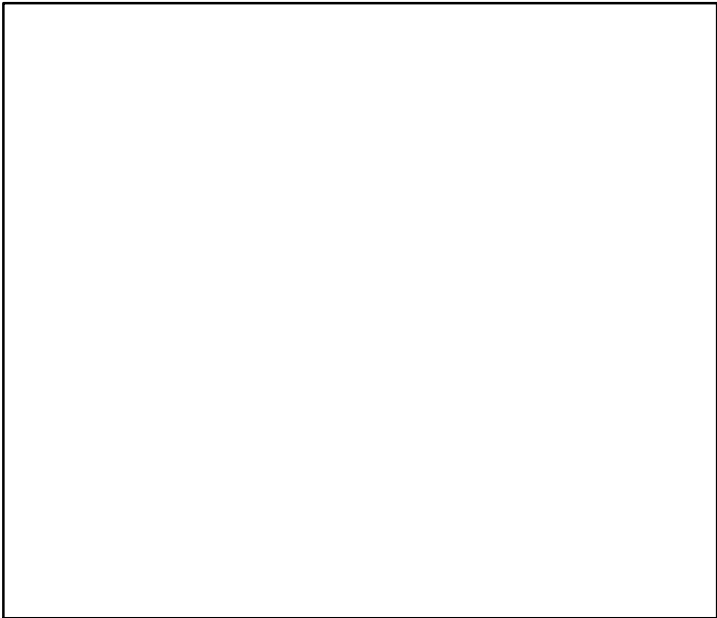
Common sole VIIbc [SOLEVIIbc]

Metadata	
Scientific Name	Solea solea
Current Assess ID	WGCSE-SOLEVIIbc-1993-2015-ICESIMP2016
Area	VIIbc
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015

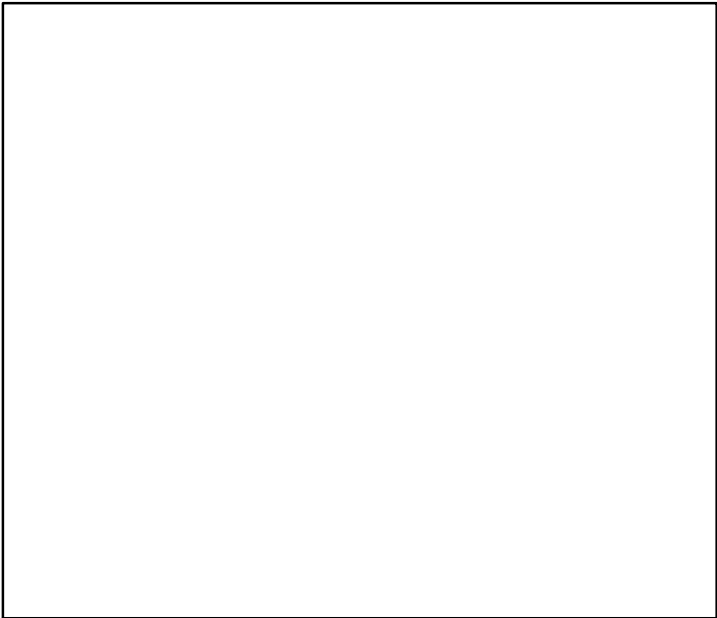
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	27		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

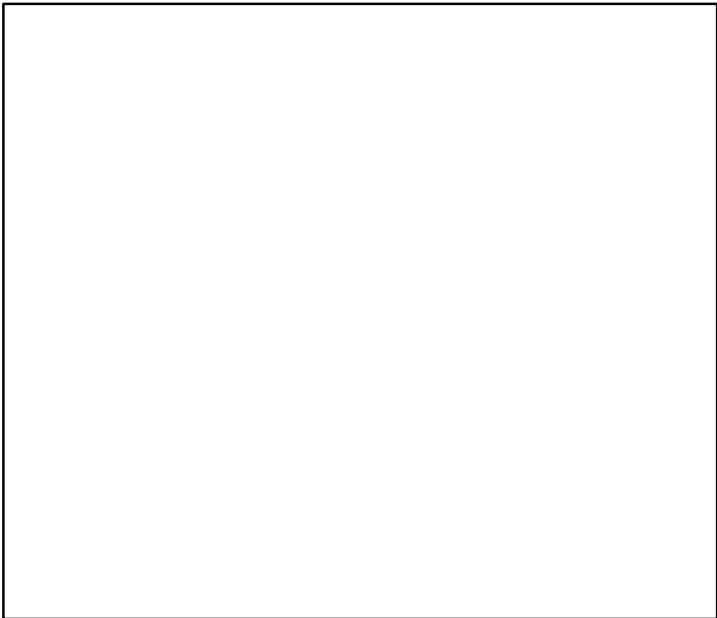
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*



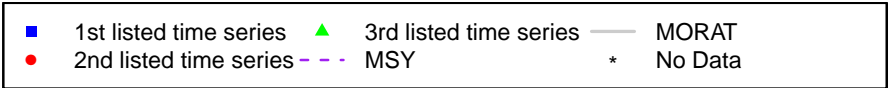
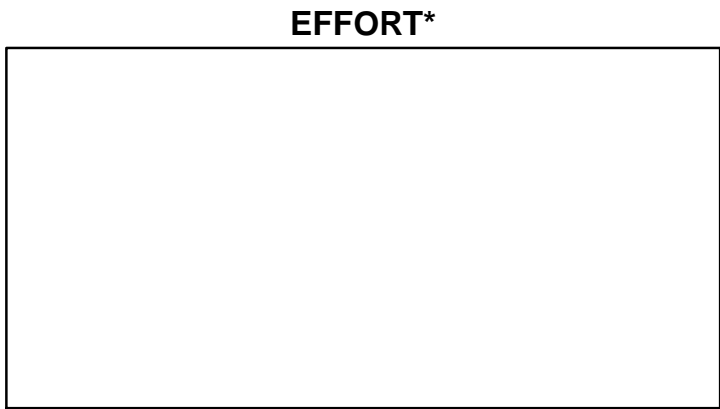
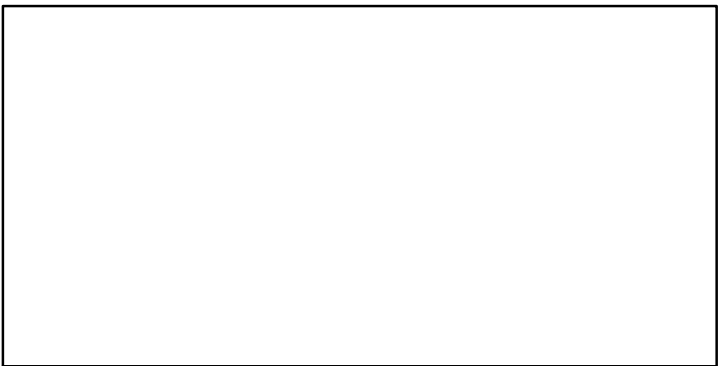
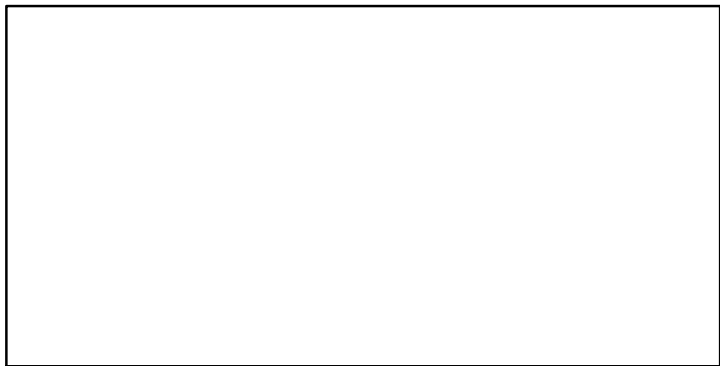
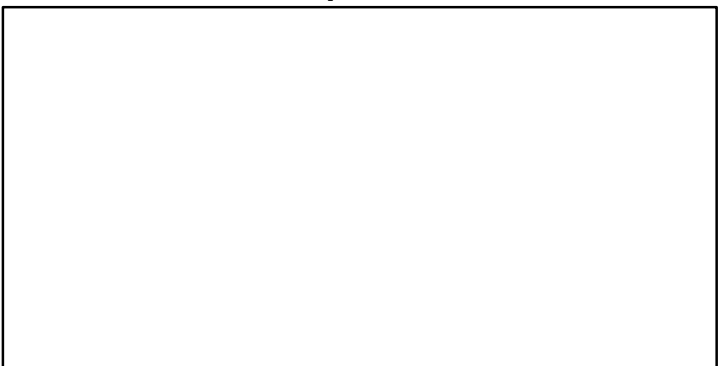
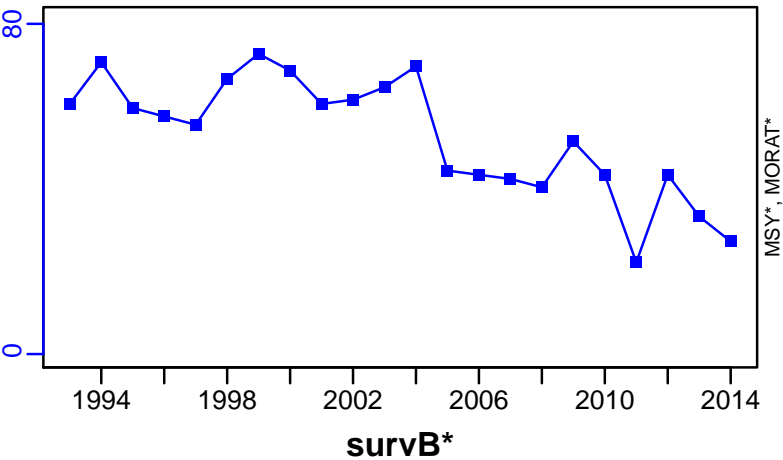
Recruits*



Common sole VIIbc [SOLEVIIbc]

TL-MT, TC*, RecC* (1993–2015–ICESIMP2016)

TAC*, Cpair*, Cadv*



Common sole ICES VIId [SOLEVIId]

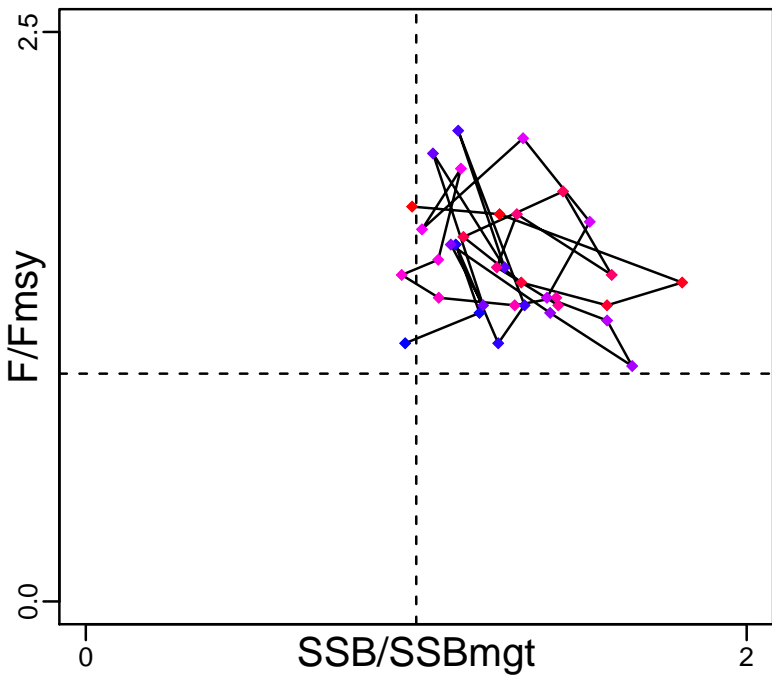
Metadata	
Scientific Name	Solea solea
Current Assess ID	WGNSSK-SOLEVIId-1981-2016-ICESIMP2016
Area	Eastern English Channel
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2011, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.3
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	8000
Fmgt	Fmgt-1/yr	2016	0.3
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.1
TBlim	-	-	-
SSBlim	-	-	-
Flim	Flim-1/yr	2016	0.55
ERlim	-	-	-

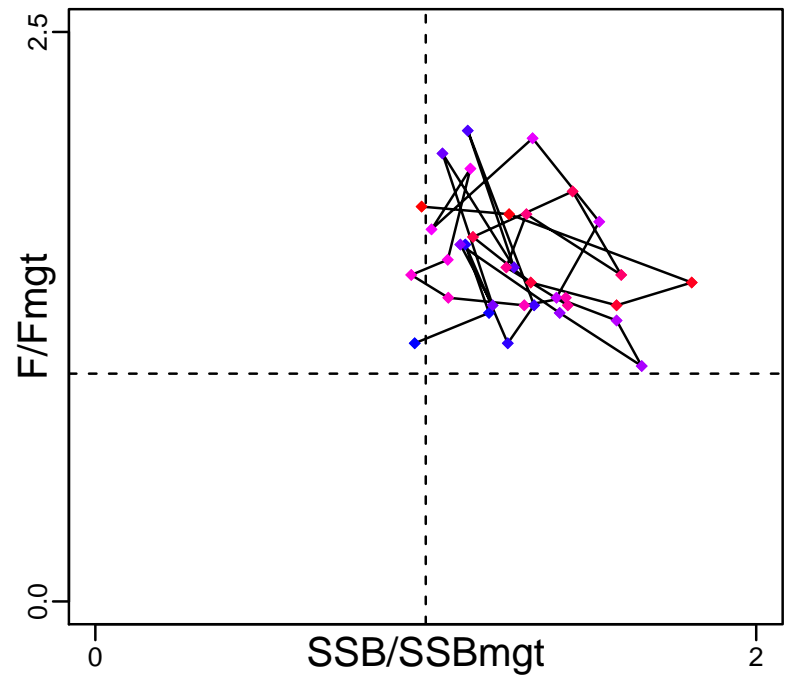
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	14,700	Both	-
SSB	SSB-MT	2016	7080	Both	-
TN	-	-	-	-	-
R	R-E00	2016	23,700,000	-	1
F	F-1/yr	2016	0.52	-	3 to 7
ER	ER-calc-ratio	2014	0.299	-	-
TC	-	-	-		
TL	TL-MT	2016	3440		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.733		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.885		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.733		
ER/ERmgt	-	-	-		

Common sole ICES VIld [SOLEVIld]

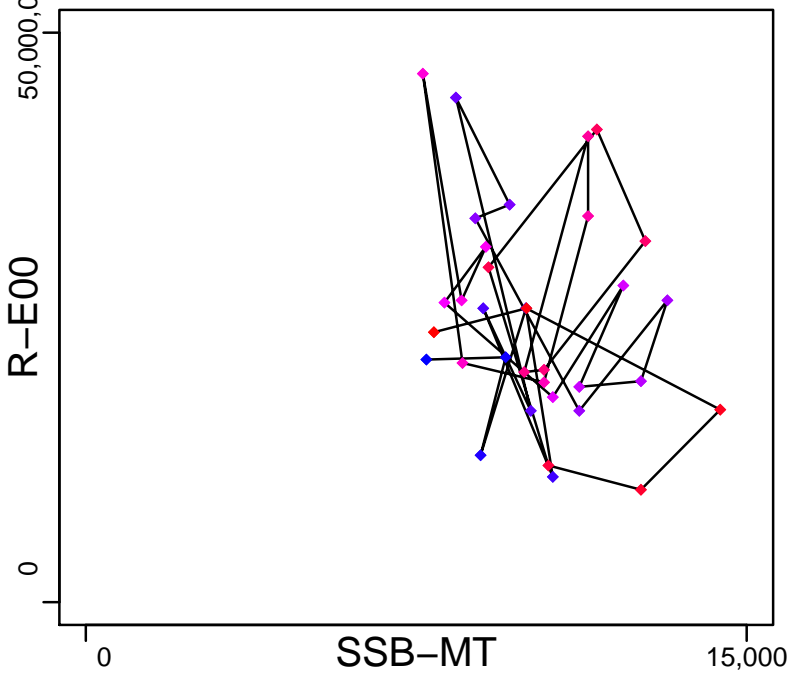
Kobe MSYpref (1981–2016–ICESIMP2016)



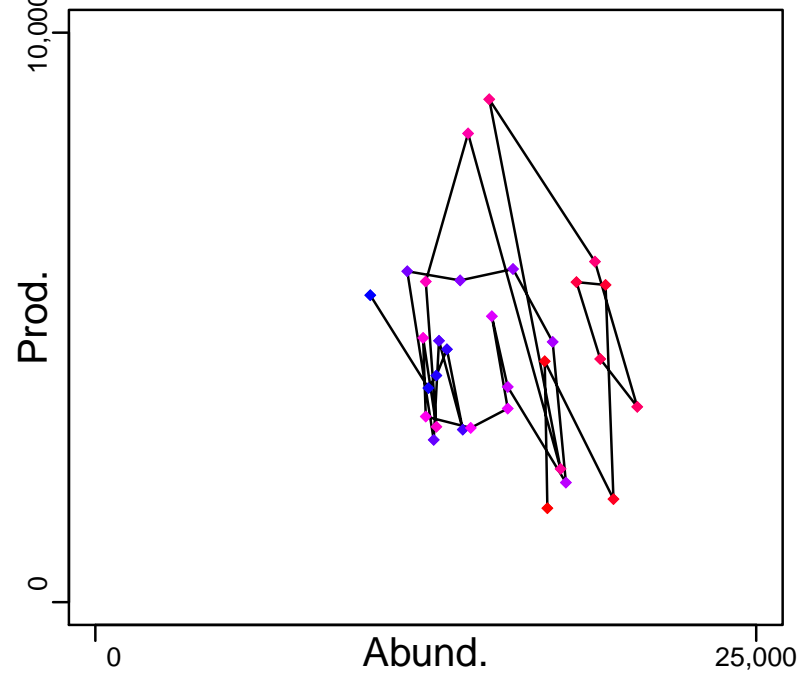
Kobe MGTpref (1981–2016–ICESIMP2016)



Spawner Recruit (1981–2016–ICESIMP2016)



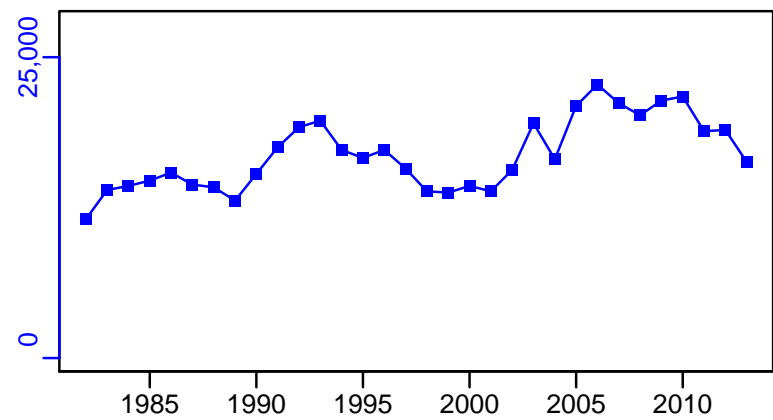
Production (1981–2014–ICESIMP2016)



◆ Start Year ◆ End Year * No Data

Common sole ICES VIld [SOLEVIld]

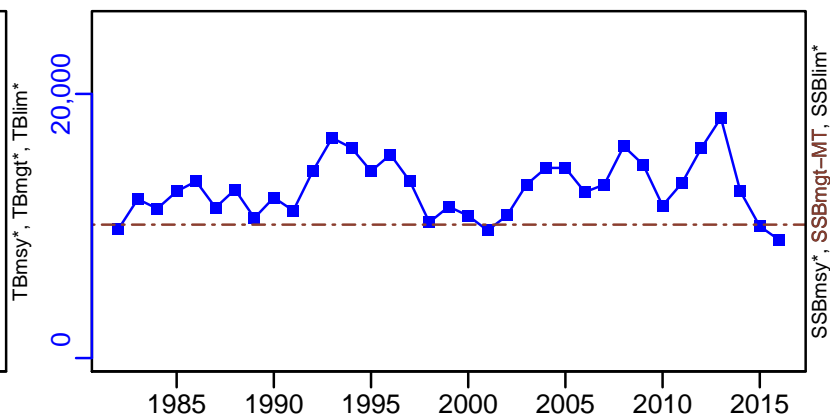
TB-MT (1981–2014–ICESIMP2016)



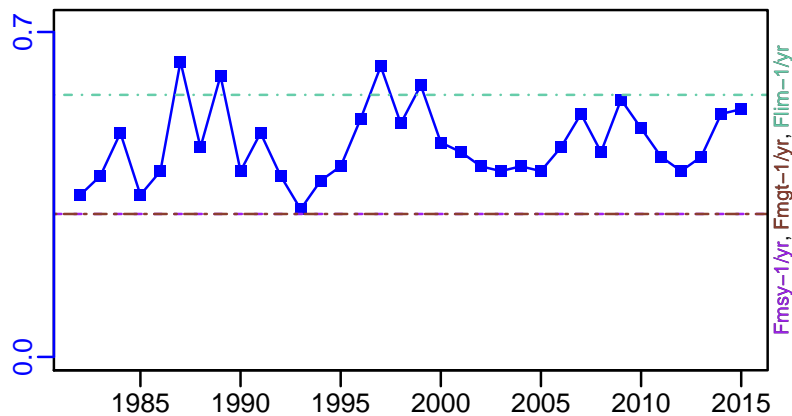
TN *



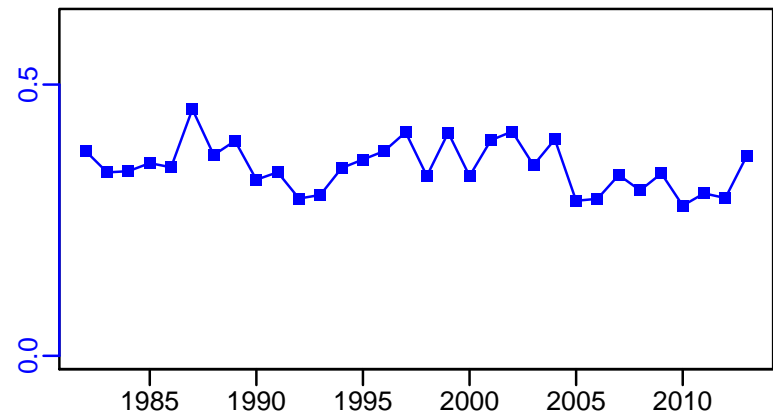
SSB-MT (1981–2016–ICESIMP2016)



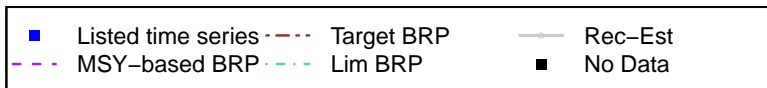
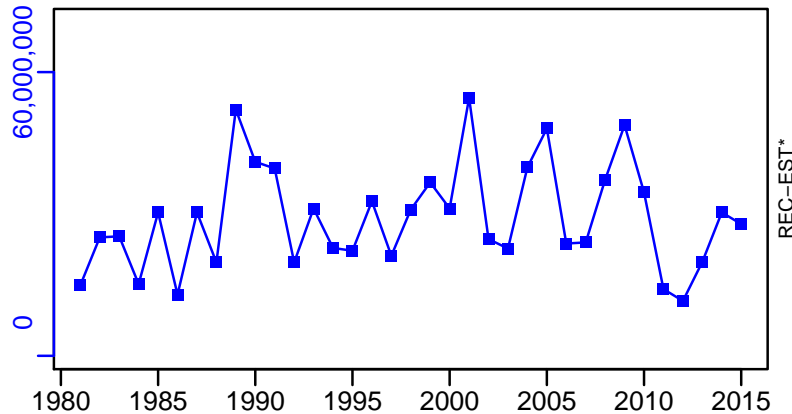
F-1/yr (1981–2016–ICESIMP2016)



ER-calc-ratio (1981–2014–ICESIMP2016)

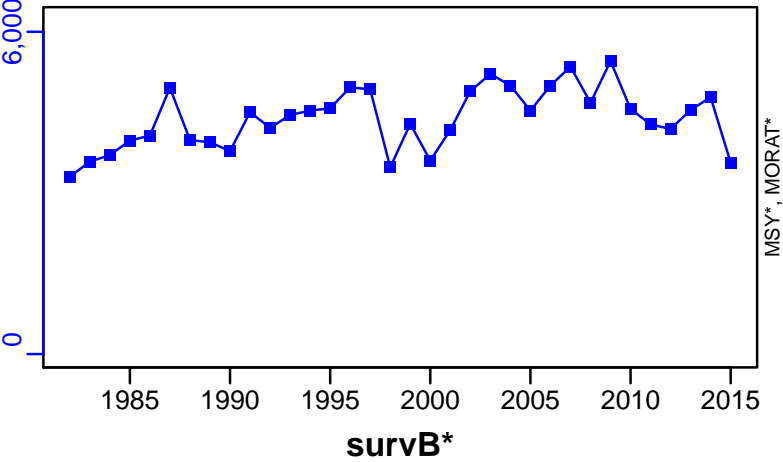


R-E00 (1981–2016–ICESIMP2016)



Common sole ICES VIId [SOLEVIId]

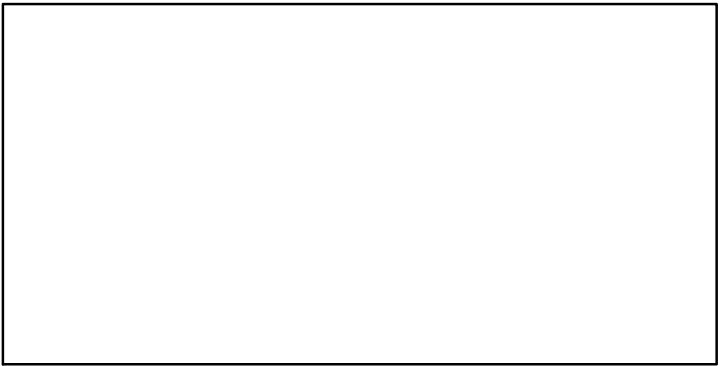
TL-MT, TC*, RecC* (1981-2016-ICESIMP2016)



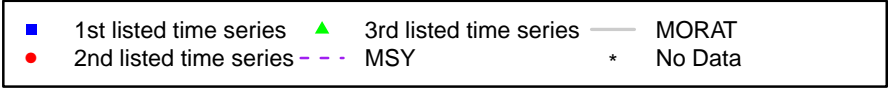
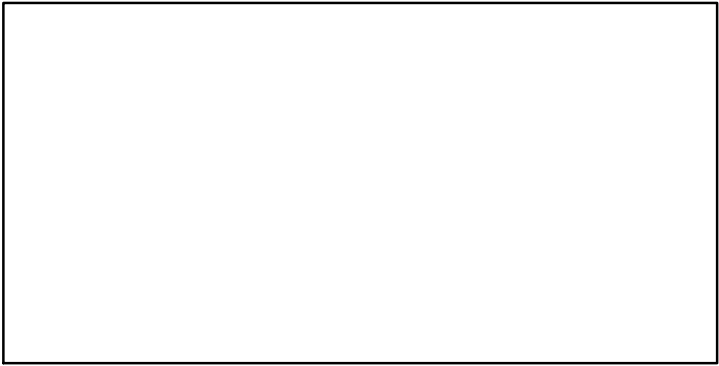
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Common sole Western English Channel [SOLEVIIe]

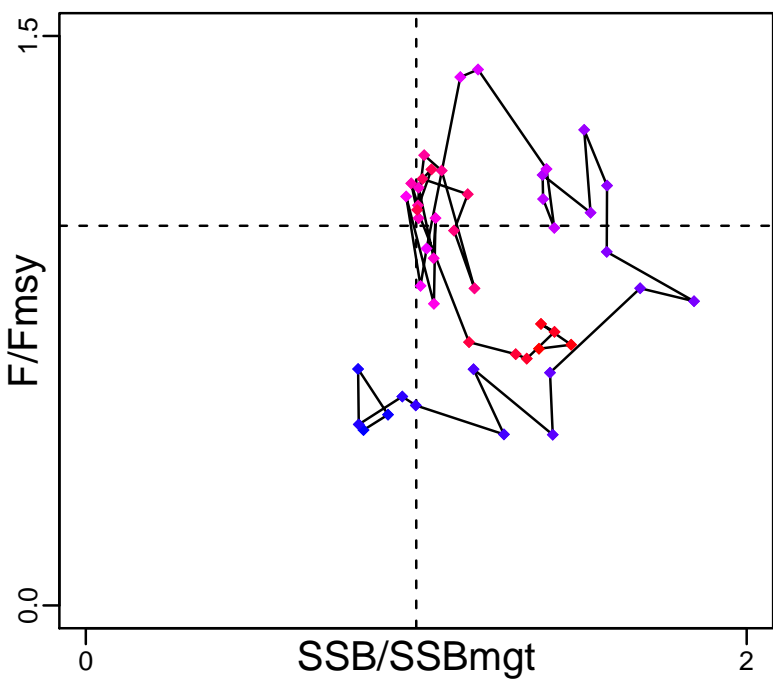
Metadata	
Scientific Name	Solea solea
Current Assess ID	WGCSE-SOLEVIIe-1967-2016-ICESIMP2016
Area	Western English Channel
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015, 2016, 2013, 2014, 2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.29
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	2900
Fmgt	Fmgt-1/yr	2016	0.29
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.1
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	2000
Flim	Flim-1/yr	2016	0.44
ERlim	-	-	-

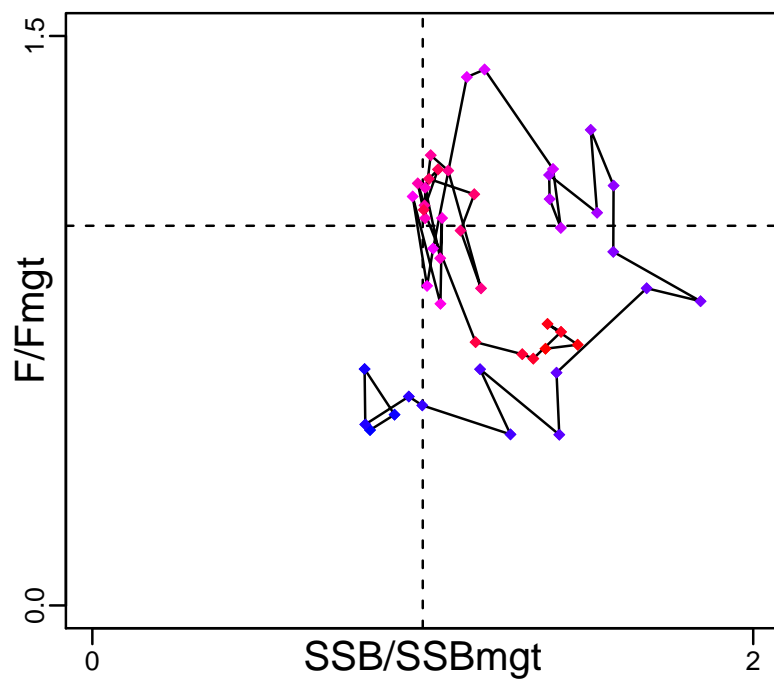
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	4920	Both	-
SSB	SSB-MT	2016	4030	Both	-
TN	-	-	-	-	-
R	R-E00	2016	3,910,000	-	2
F	F-1/yr	2016	0.196	-	3 to 9
ER	ER-calc-ratio	2016	0.157	-	-
TC	-	-	-		
TL	TL-MT	2016	772		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.676		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.39		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.676		
ER/ERmgt	-	-	-		

Common sole Western English Channel [SOLEVile]

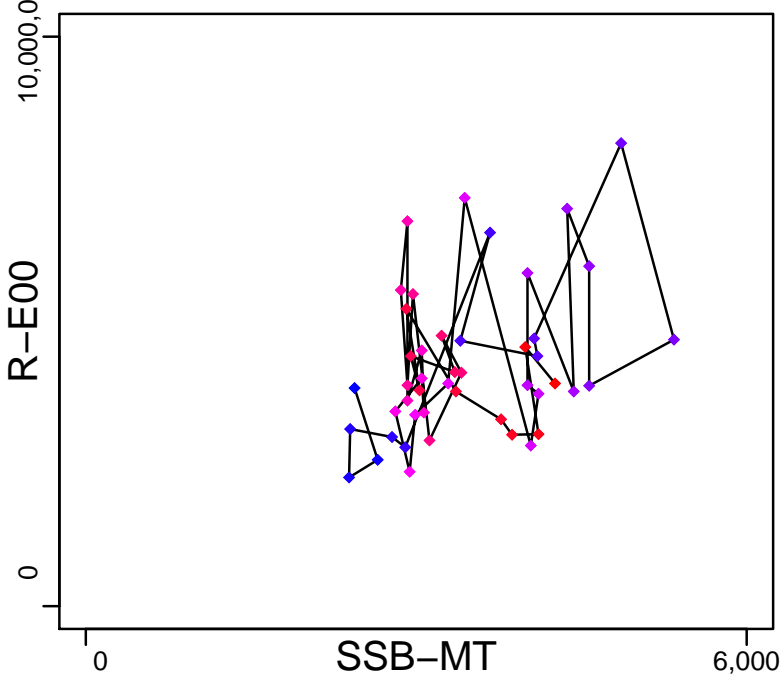
Kobe MSYpref (1967–2016–ICESIMP2016)



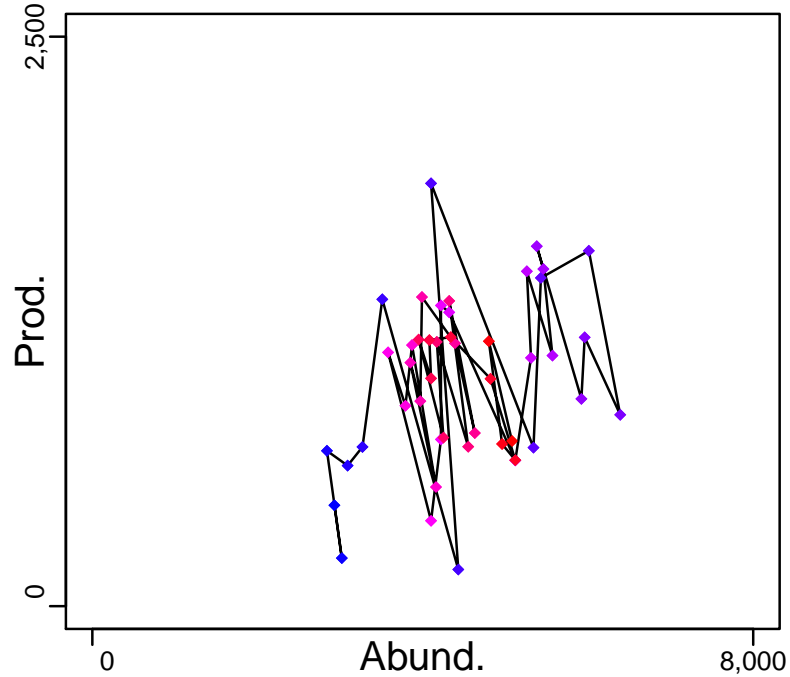
Kobe MGTpref (1967–2016–ICESIMP2016)



Spawner Recruit (1967–2016–ICESIMP2016)



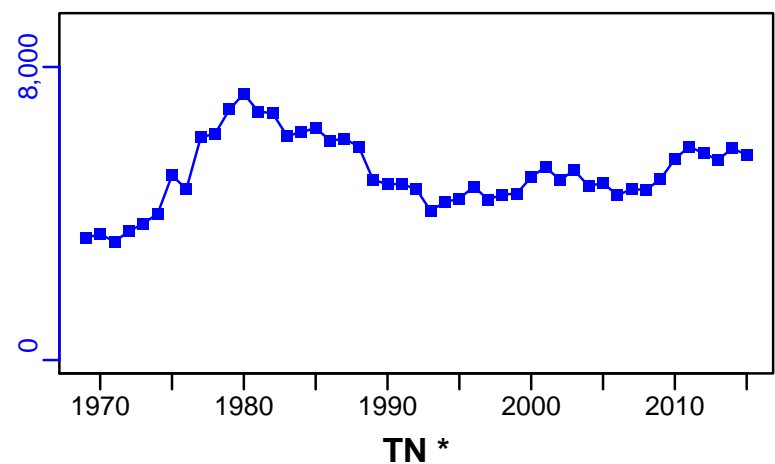
Production (1967–2016–ICESIMP2016)



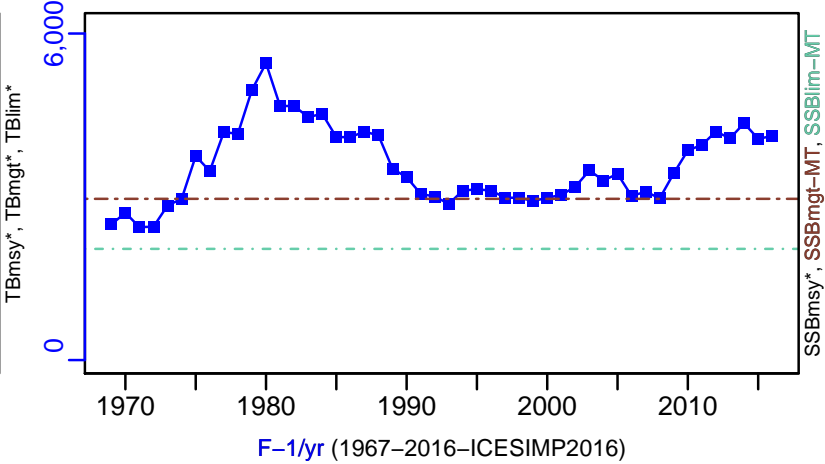
◆ Start Year ◆ End Year * No Data

Common sole Western English Channel [SOLEVile]

TB-MT (1967–2016–ICESIMP2016)



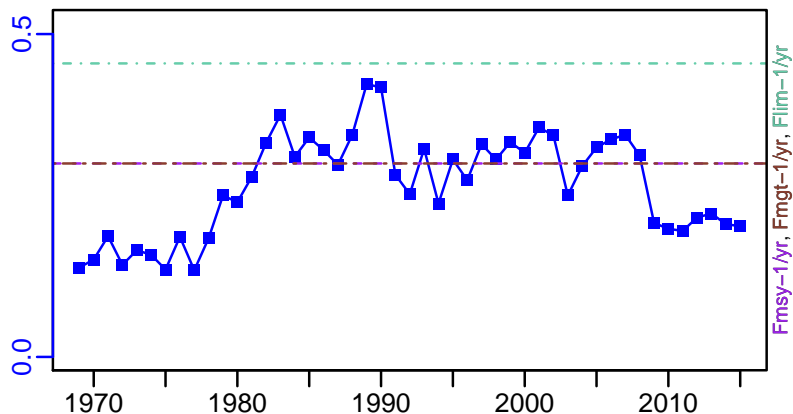
SSB-MT (1967–2016–ICESIMP2016)



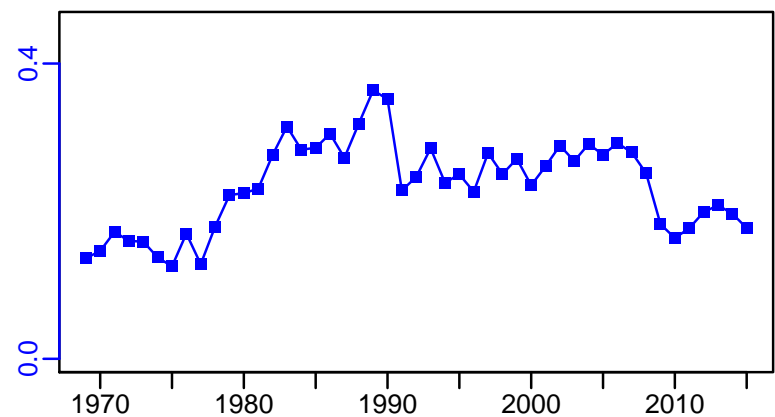
TN *



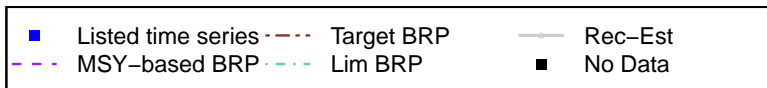
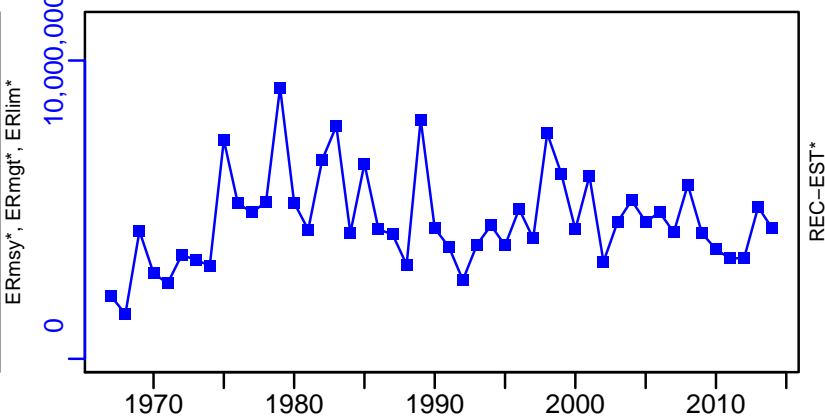
F-1/yr (1967–2016–ICESIMP2016)



ER-calc-ratio (1967–2016–ICESIMP2016)



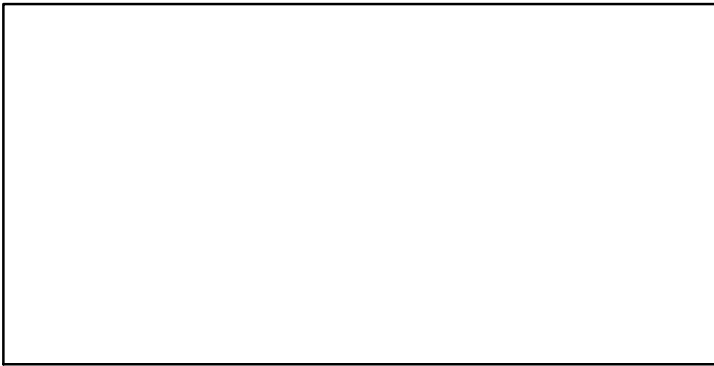
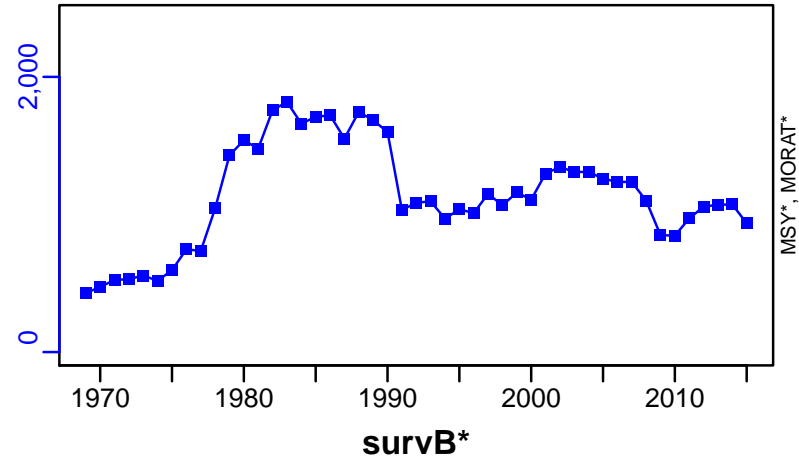
R-E00 (1967–2016–ICESIMP2016)



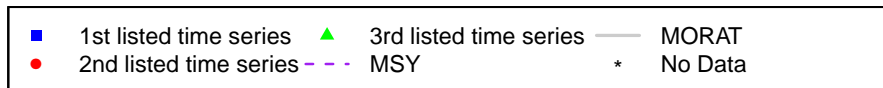
Common sole Western English Channel [SOLEVile]

TL-MT, TC*, RecC* (1967-2016-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



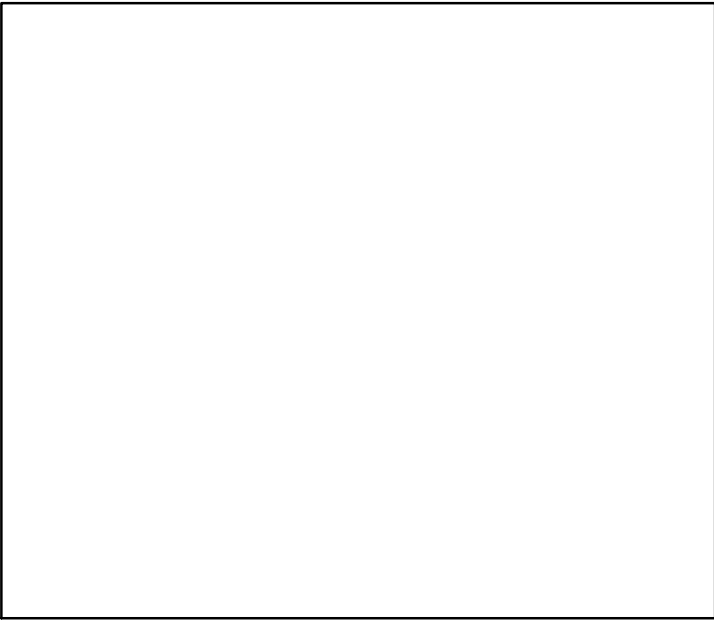
Common sole VIIh-k [SOLEVIIh-k]

Metadata	
Scientific Name	Solea solea
Current Assess ID	WGCSE-SOLEVIIh-k-1990-2016-ICESIMP2016
Area	VIIh-k
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2014, 2015, 2016

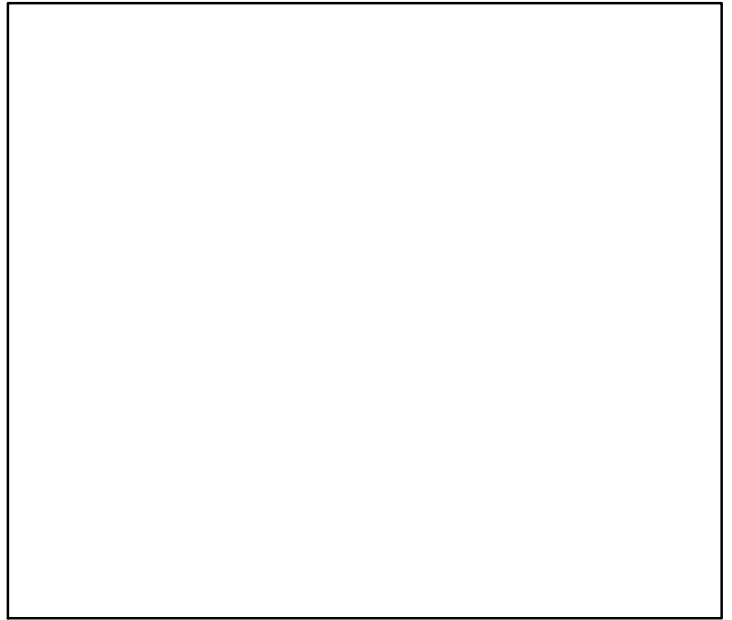
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-relative	2016	1.38	Both	-
TN	-	-	-	-	-
R	R-relative	2016	1.66	-	3
F	F-relative	2016	0.489	-	3 to 6
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	244		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

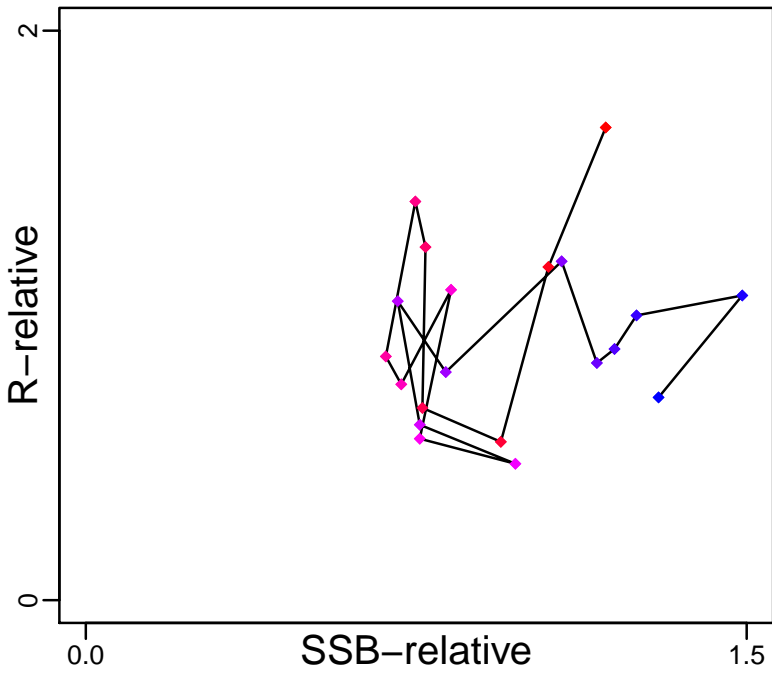
Kobe MSY*



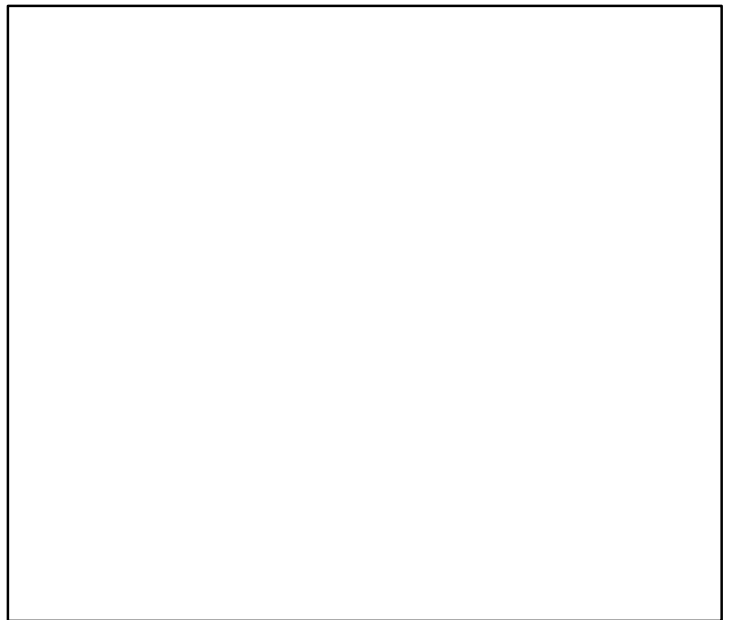
Kobe MGT*



Spawner Recruit (1990–2016–ICESIMP2016)



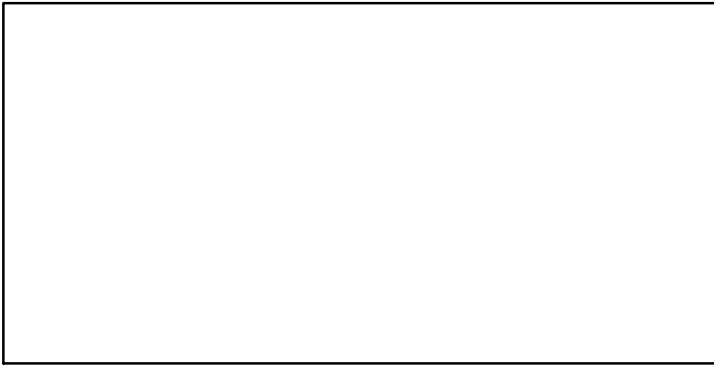
Production*



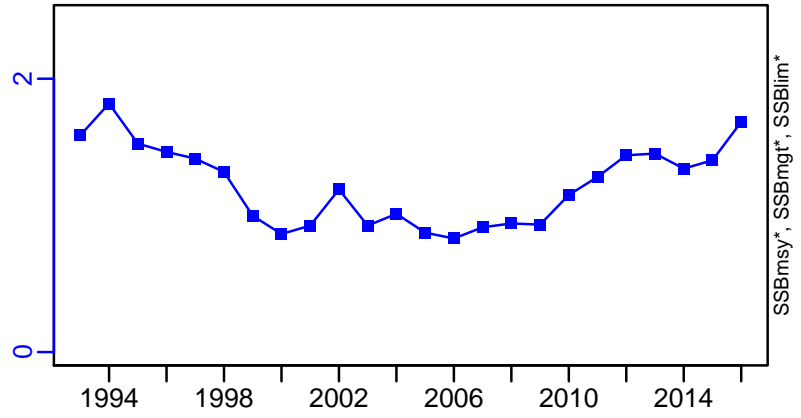
◆ Start Year ◆ End Year * No Data

Common sole VIIh-k [SOLEVIIh-k]

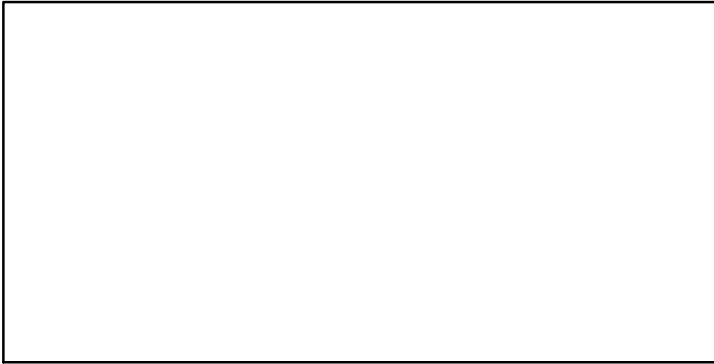
TB*



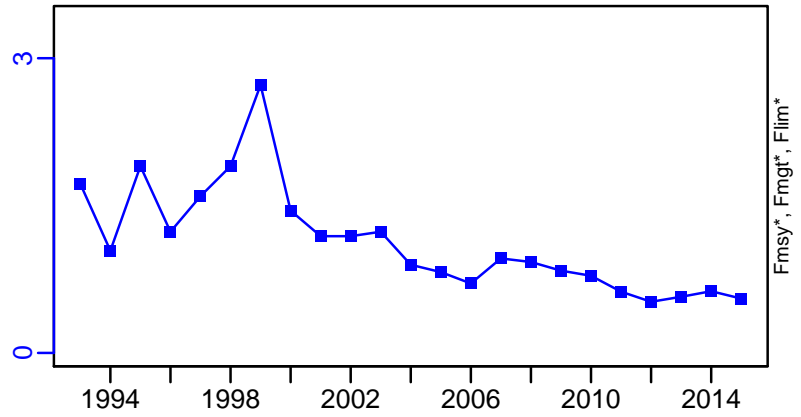
SSB-relative (1990-2016-ICESIMP2016)



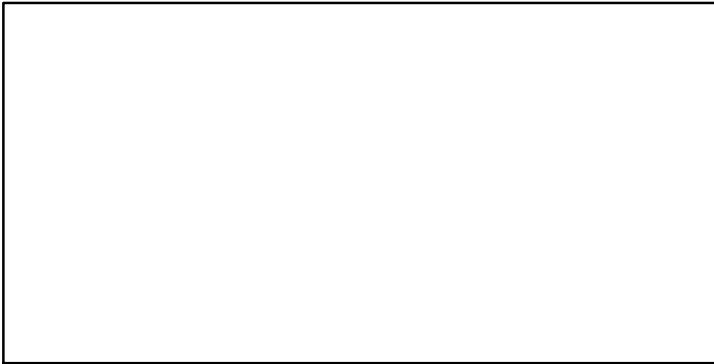
TN *



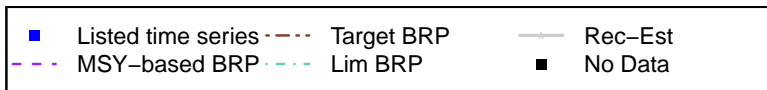
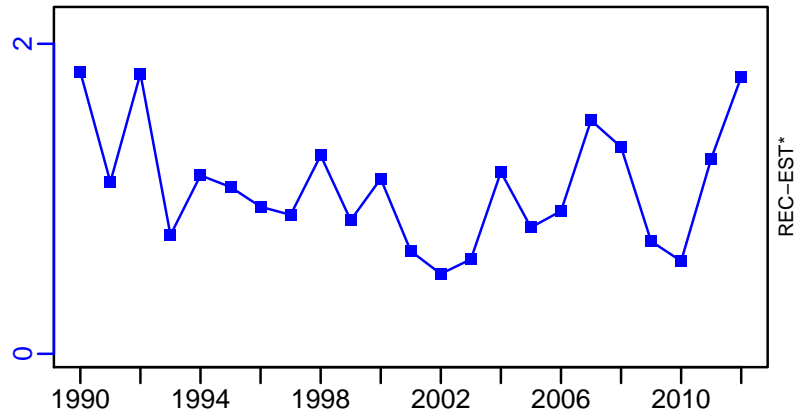
F-relative (1990-2016-ICESIMP2016)



ER*



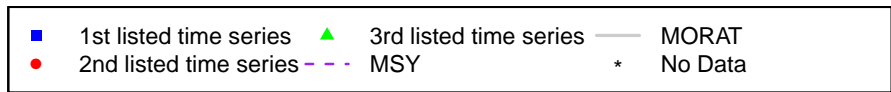
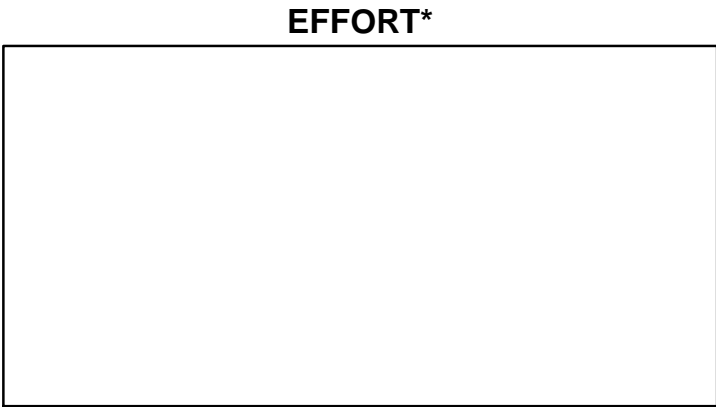
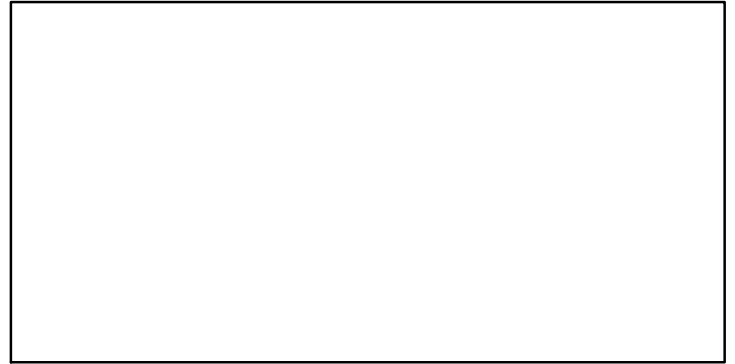
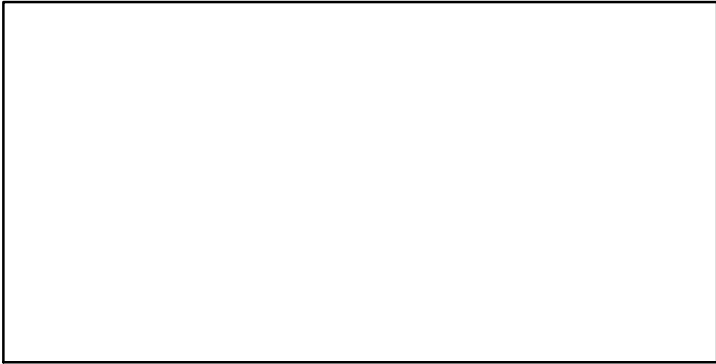
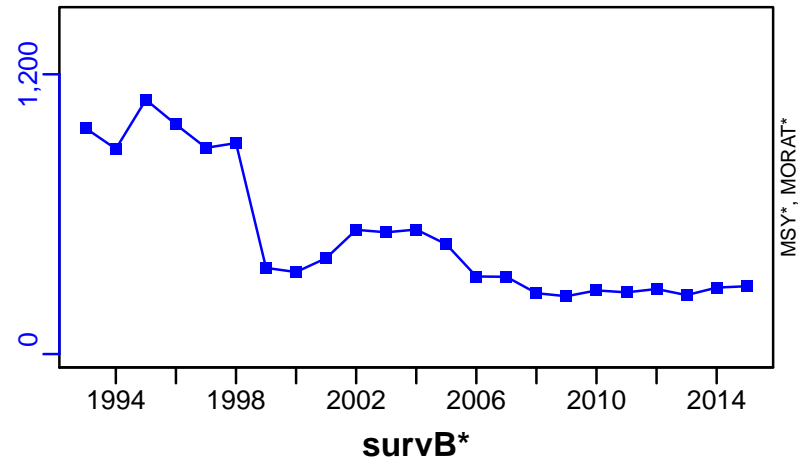
R-relative (1990-2016-ICESIMP2016)



Common sole VIIh-k [SOLEVIIh-k]

TL-MT, TC*, RecC* (1990-2016-ICESIMP2016)

TAC*, Cpair*, Cadv*



Common sole Villab [SOLEVillab]

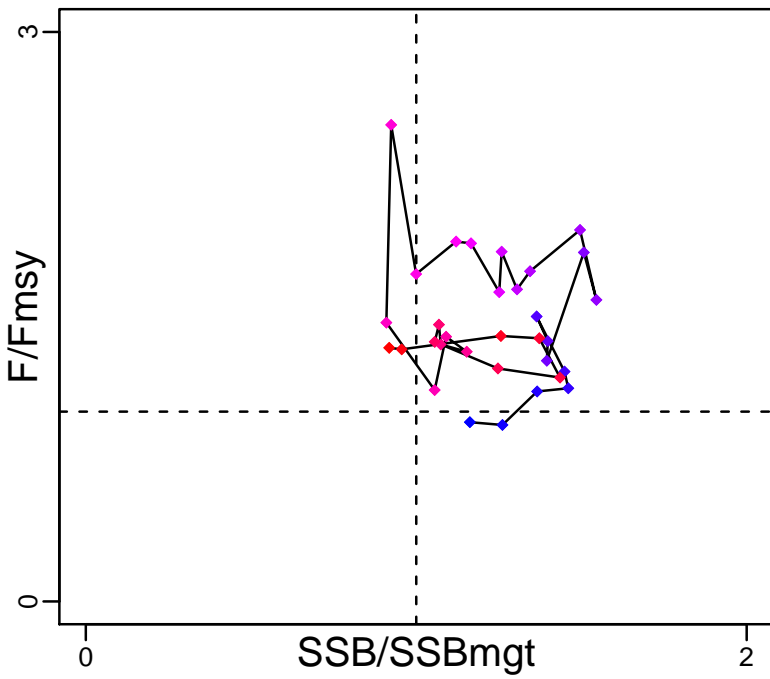
Metadata	
Scientific Name	Solea solea
Current Assess ID	WGBIE-SOLEVillab-1982-2016-ICESIMP2016
Area	Villab
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2016, 2014, 2015, 2011, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.33
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	10,600
Fmgt	Fmgt-1/yr	2016	0.33
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.1
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	7600
Flim	Flim-1/yr	2016	0.6
ERlim	-	-	-

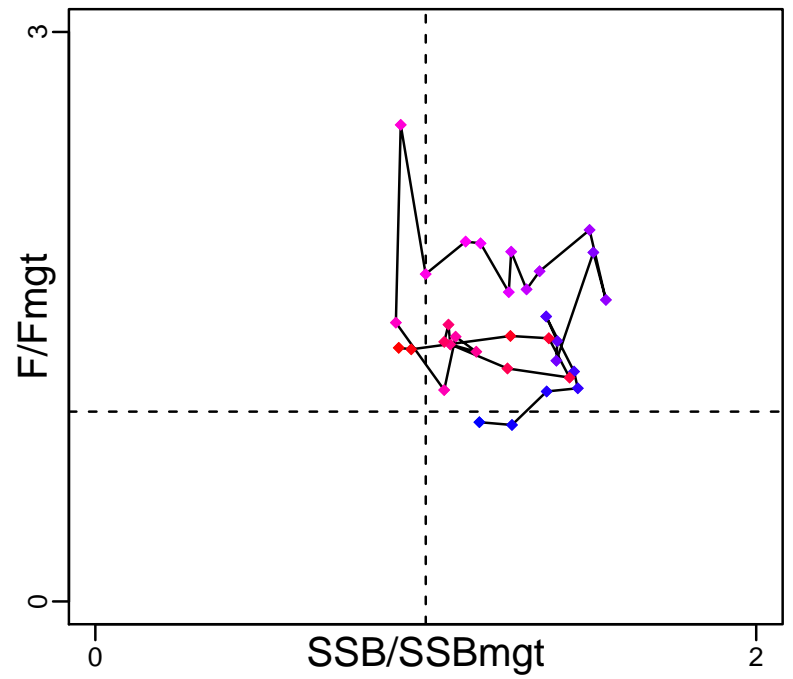
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	14,200	Both	-
SSB	SSB-MT	2016	10,600	Both	-
TN	-	-	-	-	-
R	R-E00	2016	21,300,000	-	2
F	F-1/yr	2016	0.441	-	3 to 6
ER	ER-calc-ratio	2016	0.278	-	-
TC	-	-	-		
TL	TL-MT	2016	3640		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.336		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.004		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.336		
ER/ERmgt	-	-	-		

Common sole Villab [SOLEVillab]

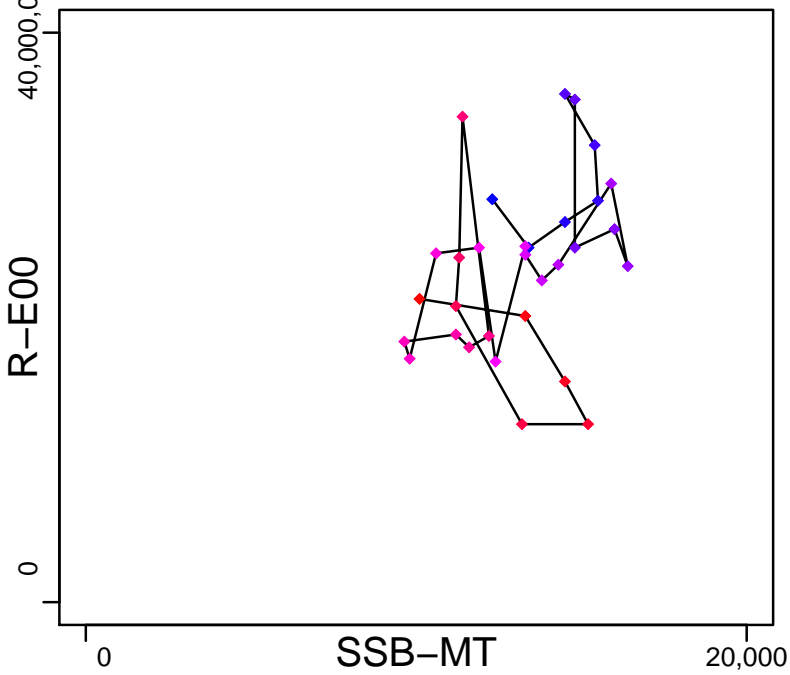
Kobe MSYpref (1982–2016–ICESIMP2016)



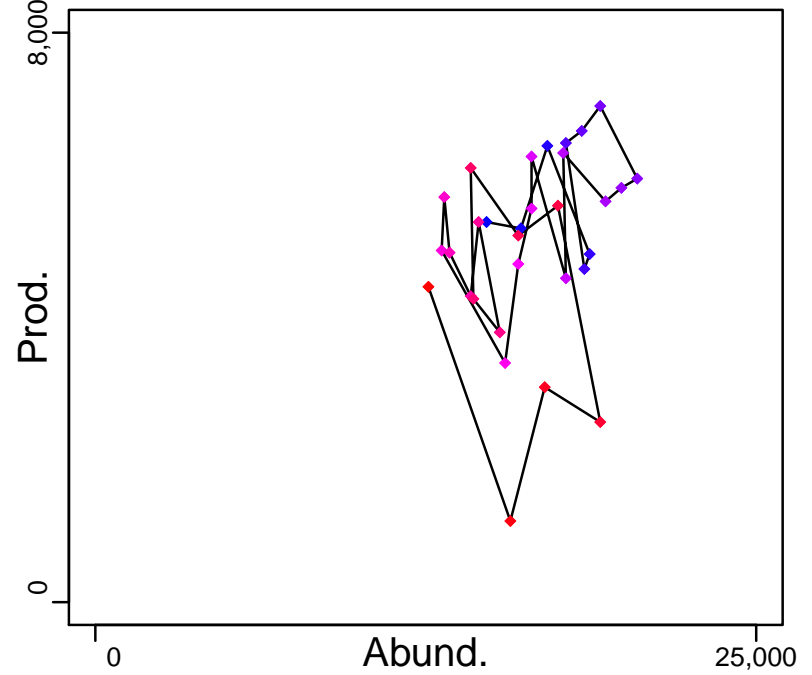
Kobe MGTpref (1982–2016–ICESIMP2016)



Spawner Recruit (1982–2016–ICESIMP2016)



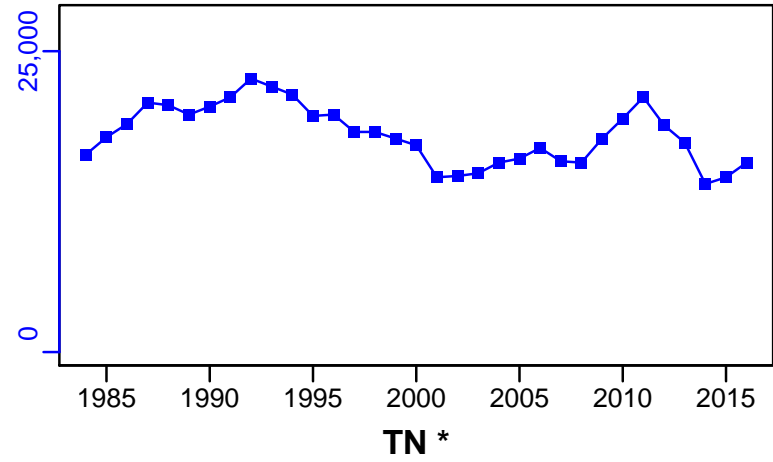
Production (1982–2016–ICESIMP2016)



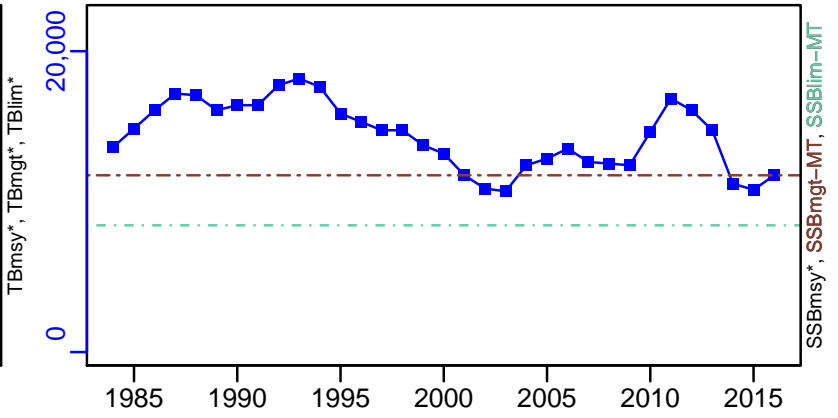
◆ Start Year ◆ End Year * No Data

Common sole Villab [SOLEVillab]

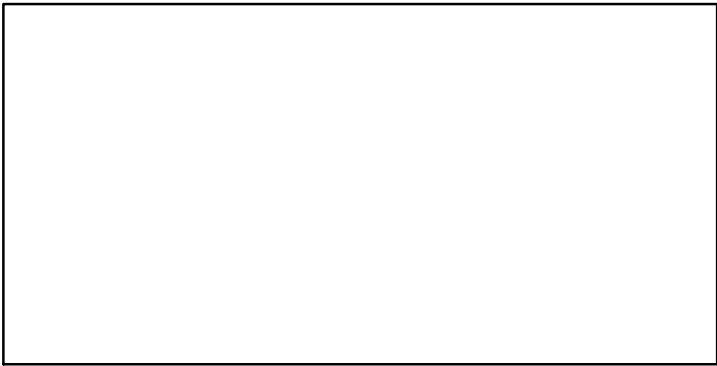
TB-MT (1982–2016–ICESIMP2016)



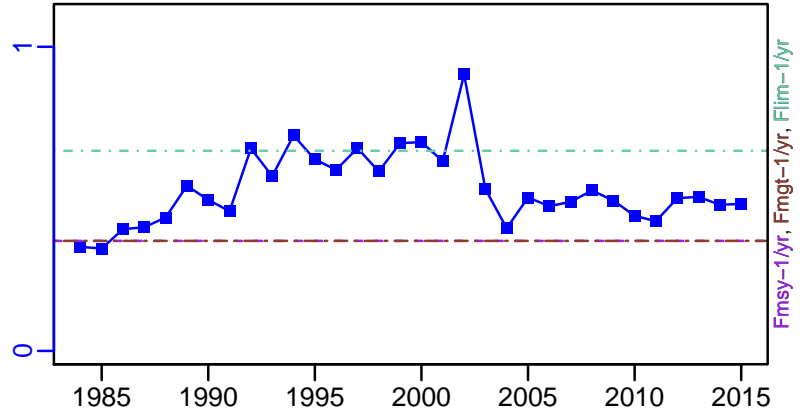
SSB-MT (1982–2016–ICESIMP2016)



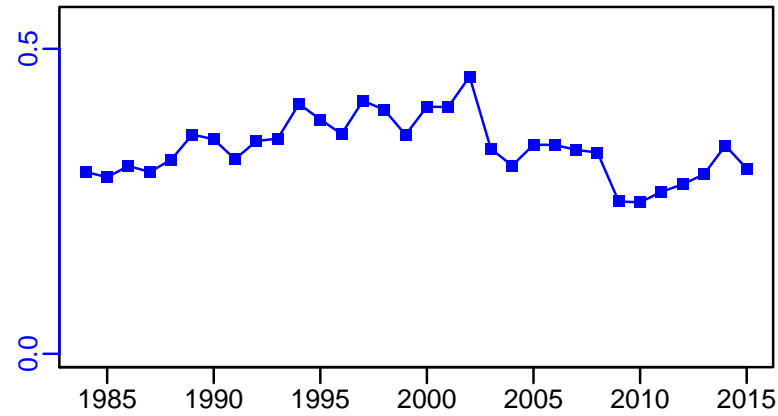
TN *



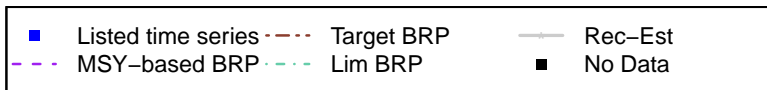
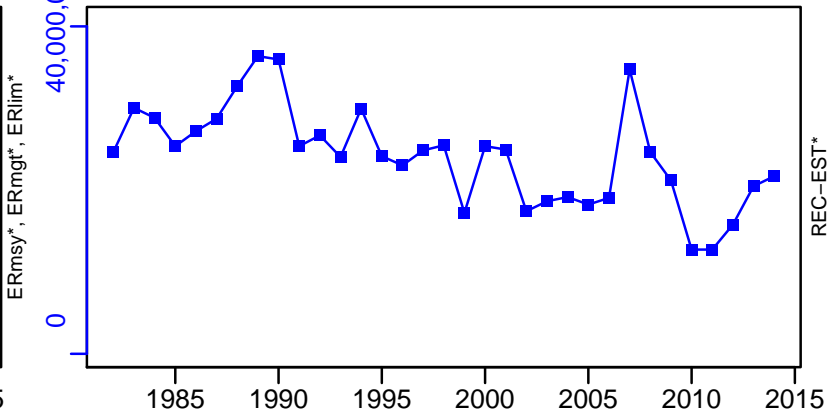
F-1/yr (1982–2016–ICESIMP2016)



ER-calc-ratio (1982–2016–ICESIMP2016)

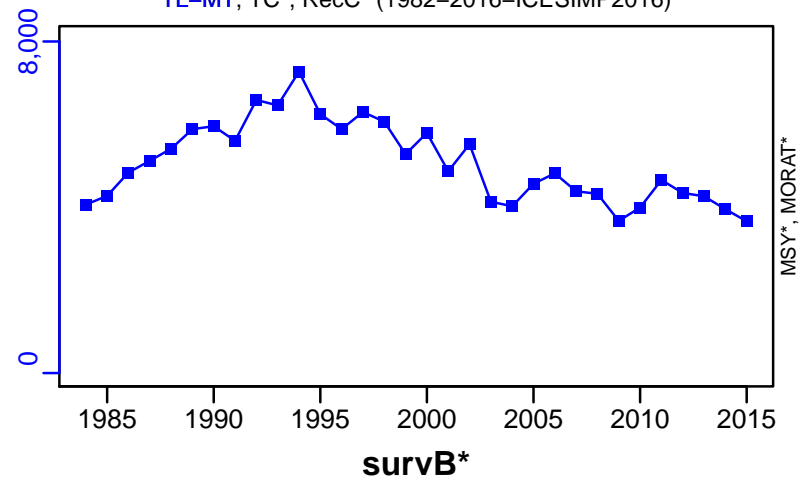


R-E00 (1982–2016–ICESIMP2016)

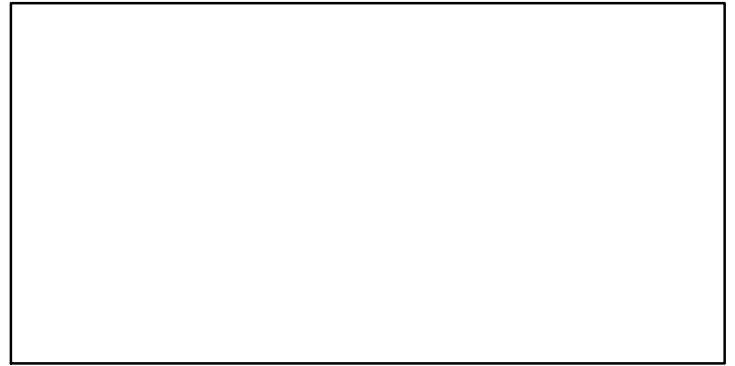


Common sole Villab [SOLEVillab]

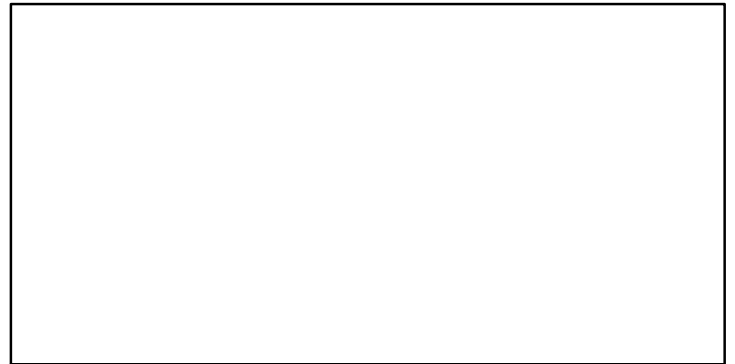
TL-MT, TC*, RecC* (1982-2016-ICESIMP2016)



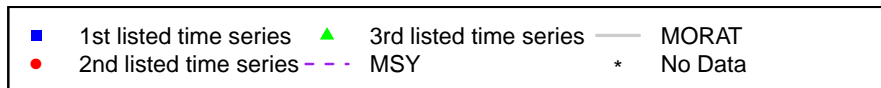
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Sprat ICES Baltic Areas 22-32 [SPRAT22-32]

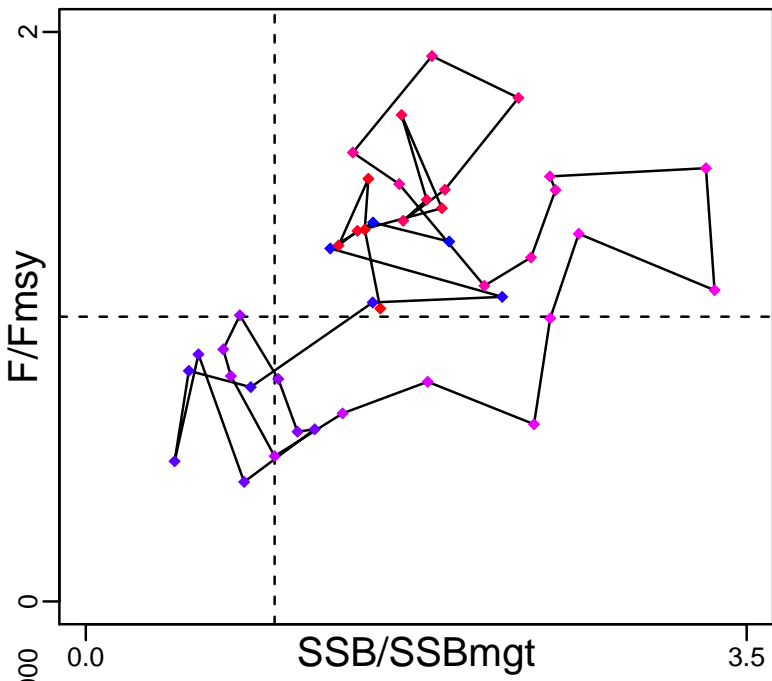
Metadata	
Scientific Name	Sprattus sprattus
Current Assess ID	WGBFAS-SPRAT22-32-1973-2016-ICESIMP2016
Area	Baltic Areas 22-32
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2011, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.26
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	570,000
Fmgt	Fmgt-1/yr	2016	0.26
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	410,000
Flim	Flim-1/yr	2016	0.39
ERlim	-	-	-

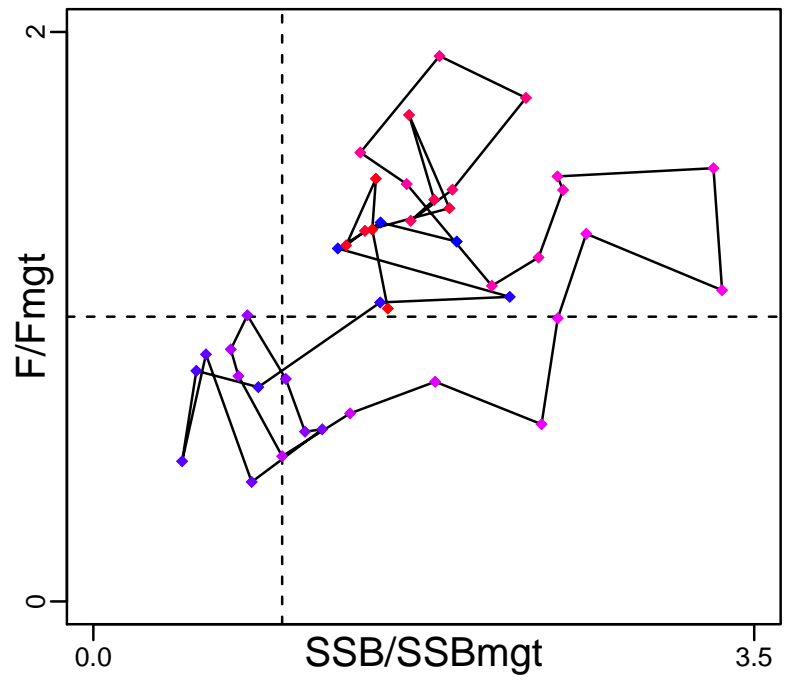
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	2,040,000	Both	-
SSB	SSB-MT	2016	1,340,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	8.72×10^{10}	-	1
F	F-1/yr	2016	0.268	-	3 to 5
ER	ER-calc-ratio	2016	0.147	-	-
TC	TC-MT	2016	247,000		
TL	TL-MT	2015	244,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.029		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	2.356		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.029		
ER/ERmgt	-	-	-		

Sprat ICES Baltic Areas 22–32 [SPRAT22–32]

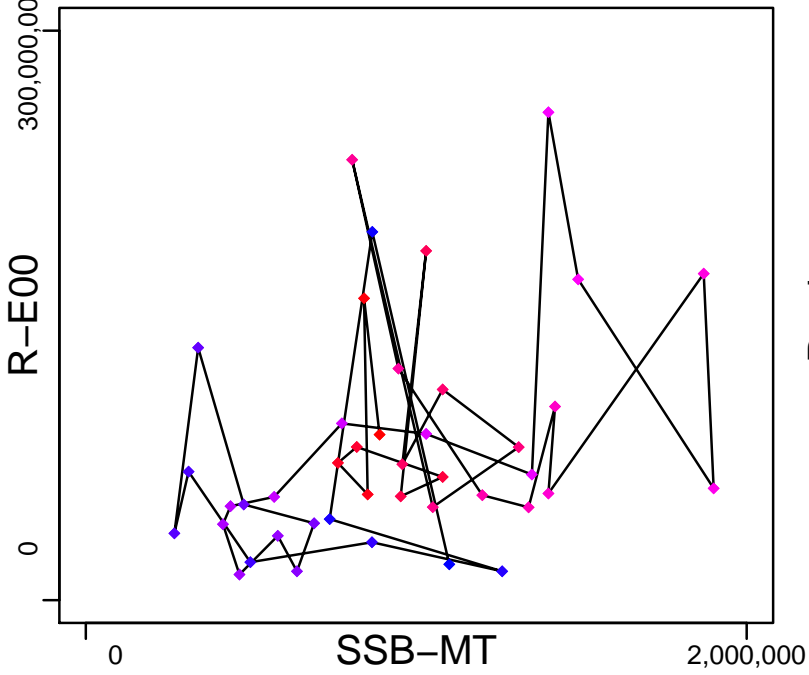
Kobe MSYpref (1973–2016–ICESIMP2016)



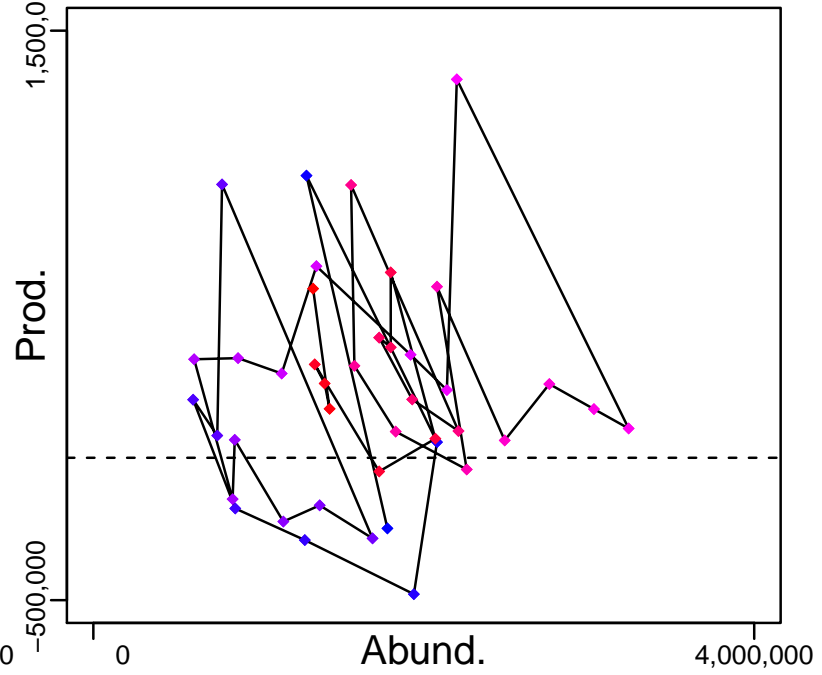
Kobe MGTpref (1973–2016–ICESIMP2016)



Spawner Recruit (1973–2016–ICESIMP2016)



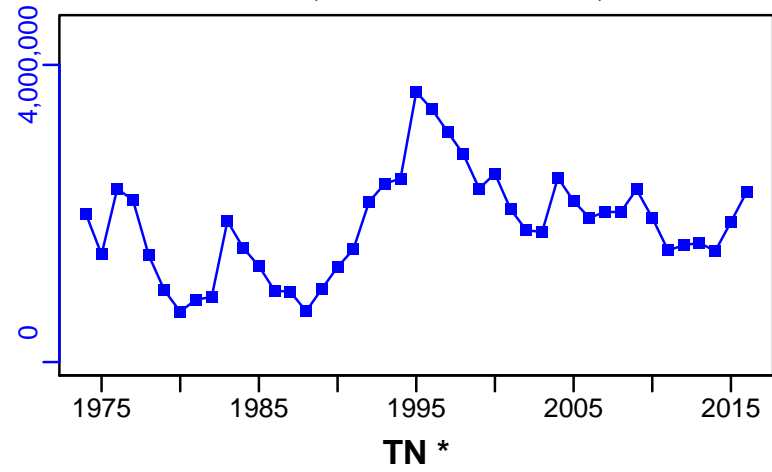
Production (1973–2016–ICESIMP2016)



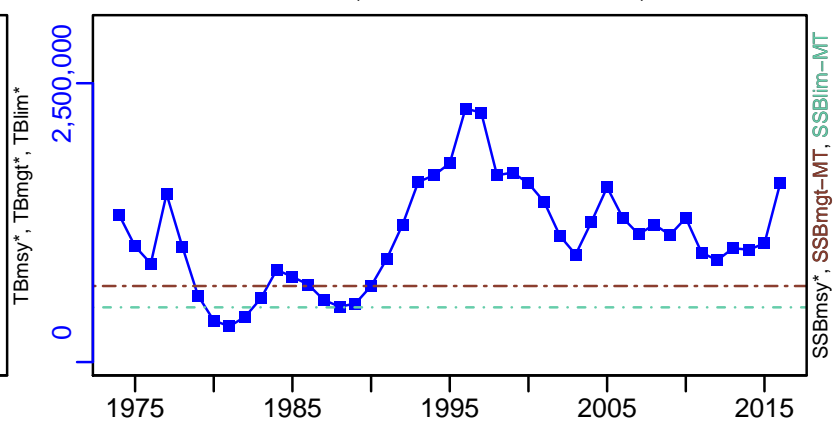
◆ Start Year ◆ End Year * No Data

Sprat ICES Baltic Areas 22–32 [SPRAT22–32]

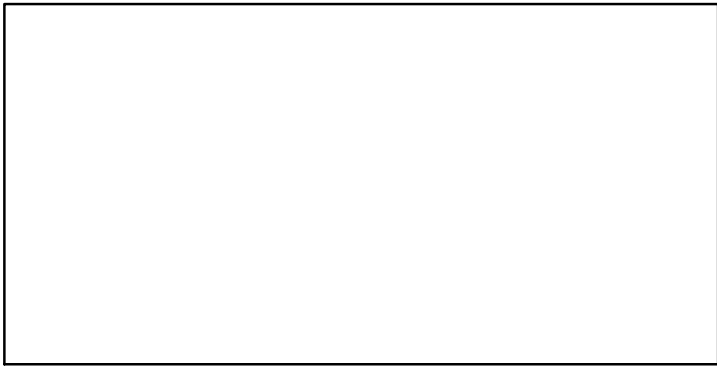
TB–MT (1973–2016–ICESIMP2016)



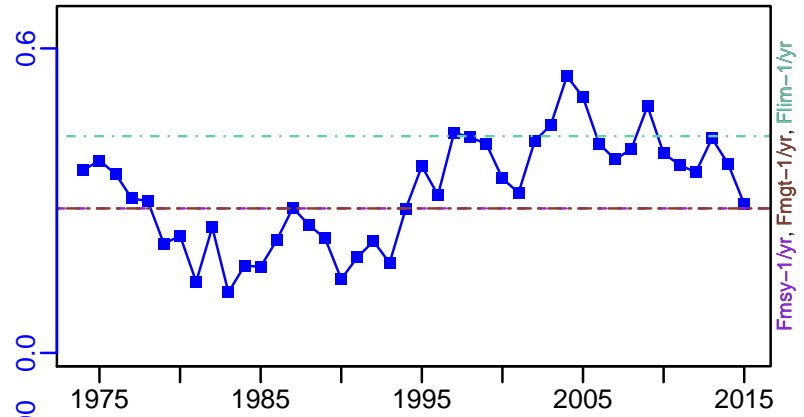
SSB–MT (1973–2016–ICESIMP2016)



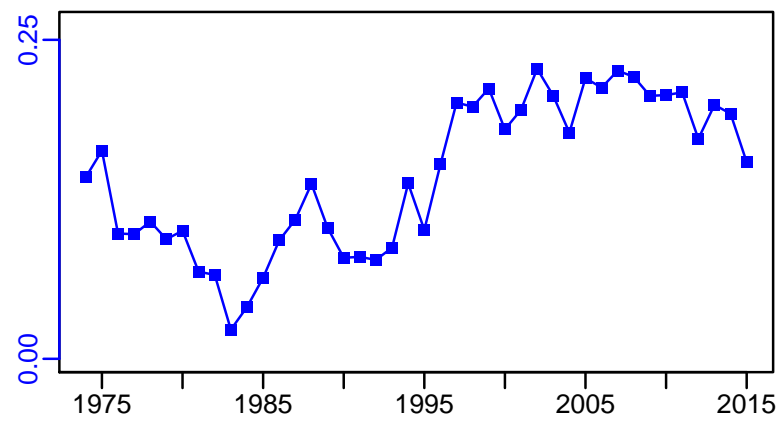
TN *



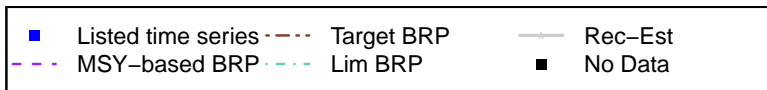
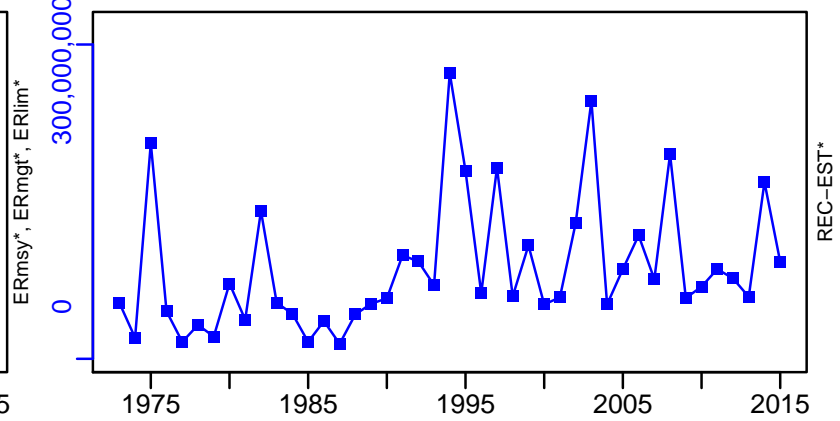
F–1/yr (1973–2016–ICESIMP2016)



ER–calc–ratio (1973–2016–ICESIMP2016)

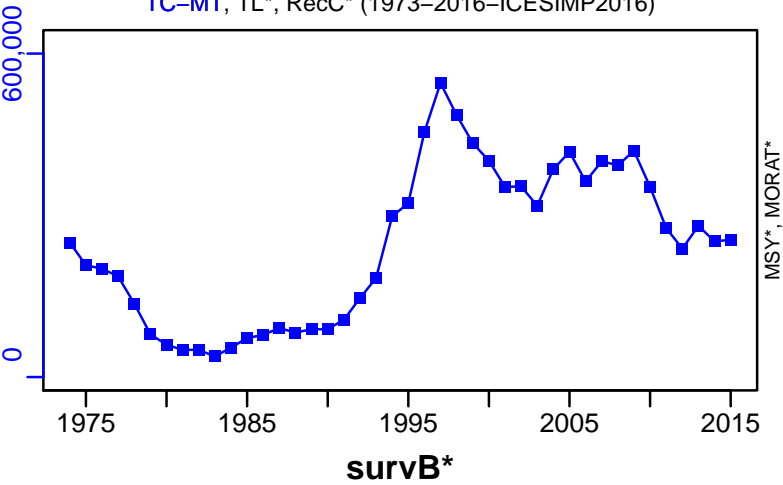


R–E00 (1973–2016–ICESIMP2016)

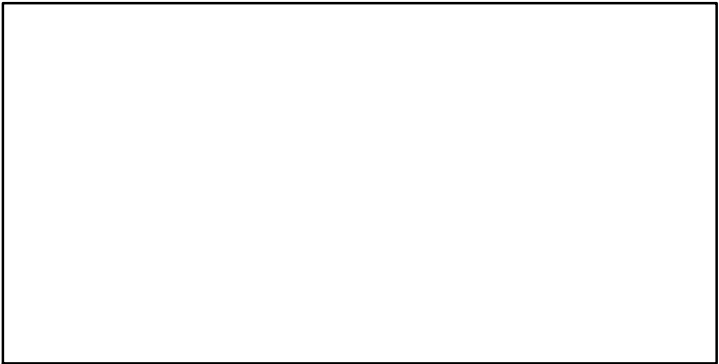


Sprat ICES Baltic Areas 22–32 [SPRAT22–32]

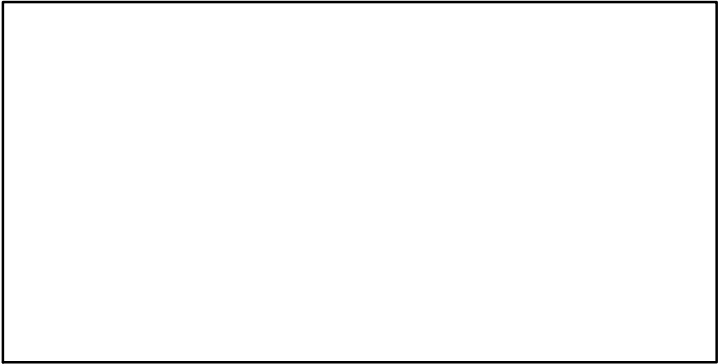
TC–MT, TL*, RecC* (1973–2016–ICESIMP2016)



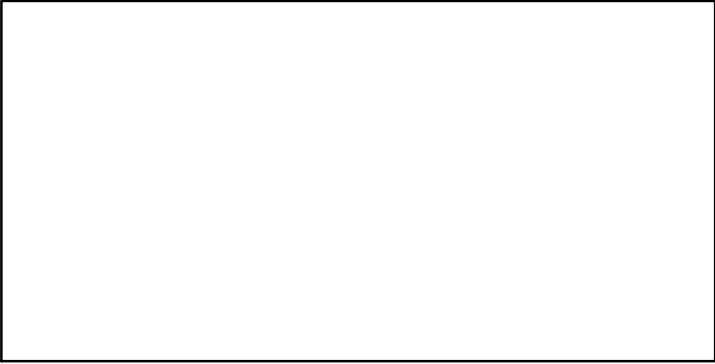
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*

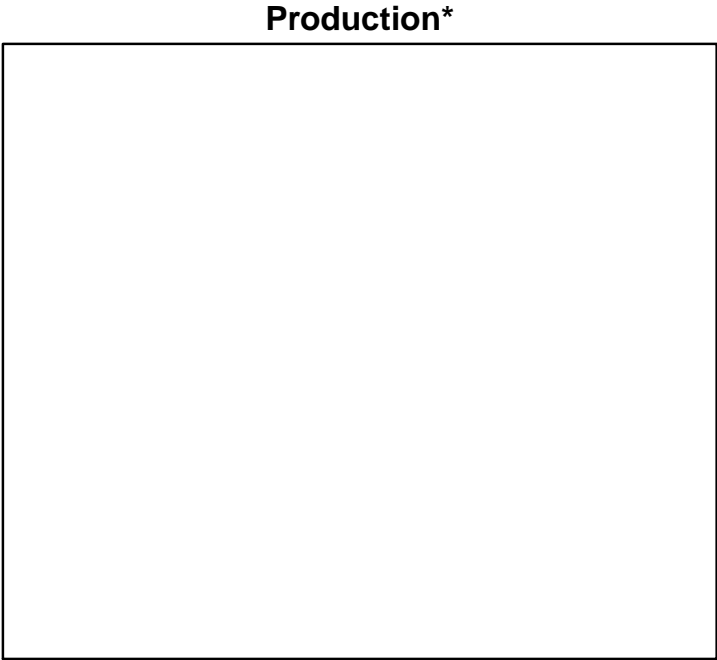
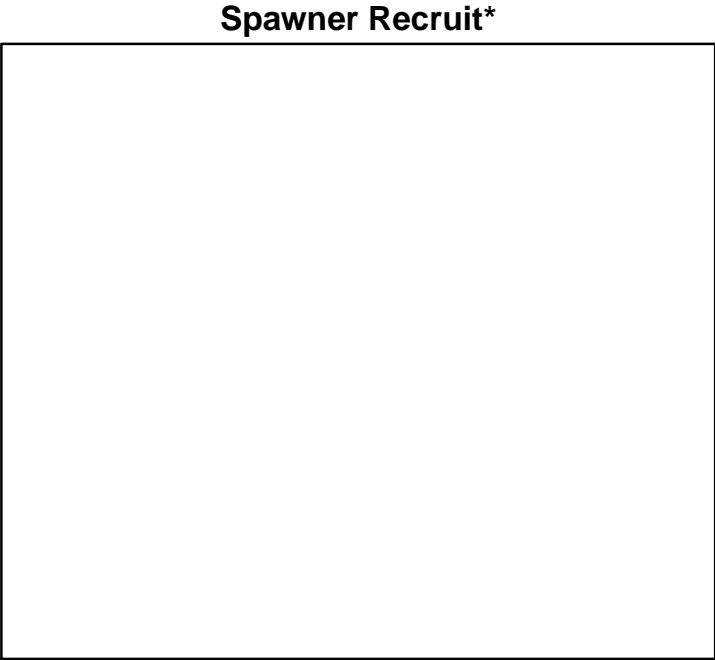
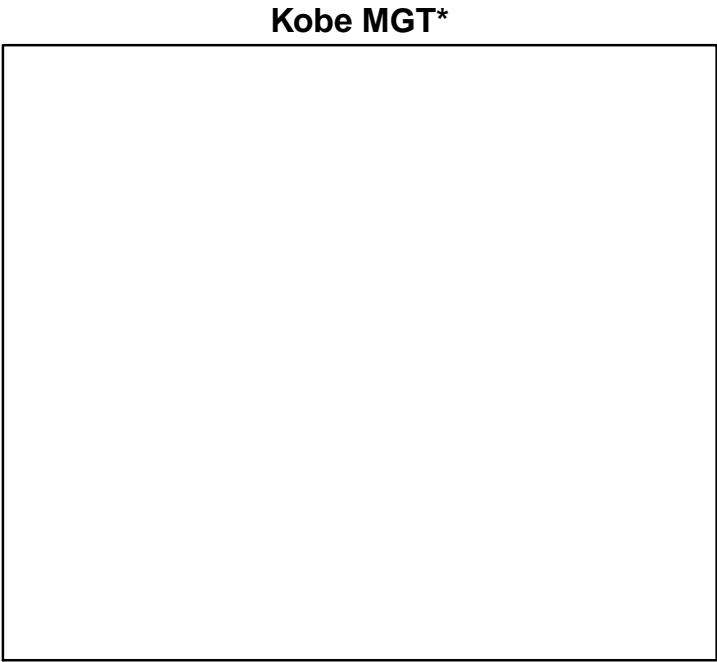
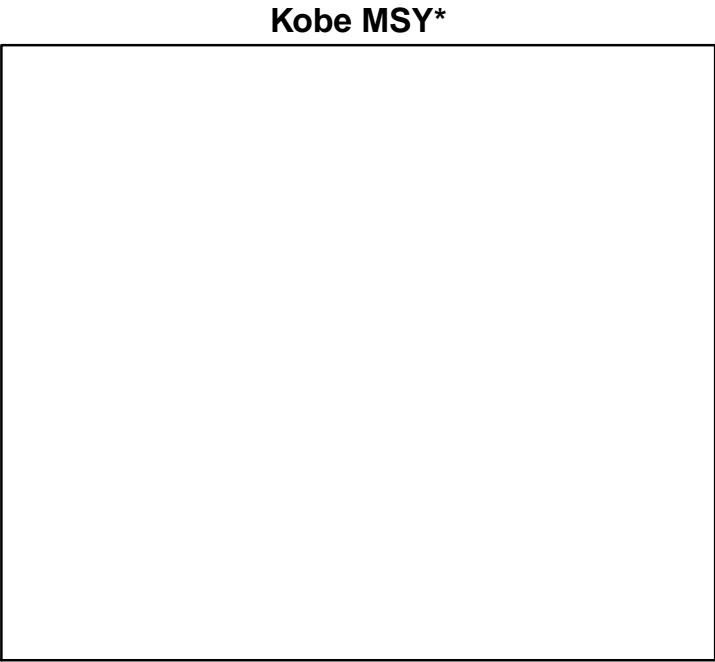


Sprat Kattegat and Skagerrak [SPRATIIIa]

Metadata	
Scientific Name	Sprattus sprattus
Current Assess ID	HAWG-SPRATIIIa-1974-2016-ICESIMP2016
Area	Kattegat and Skagerrak
Management Authority	International Council for the Exploration of the Sea
Assessor	Herring Assessment Working Group for the Area South of 62N
Asmts in RAM	2016

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	2016	13,300		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



◆ Start Year ◆ End Year * No Data

Sprat Kattegat and Skagerrak [SPRATIIIa]

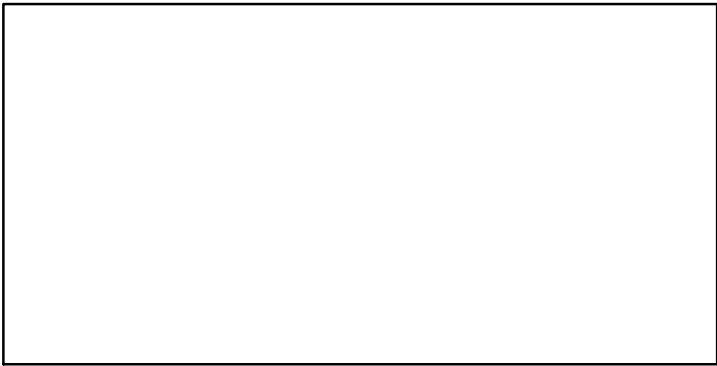
TB*



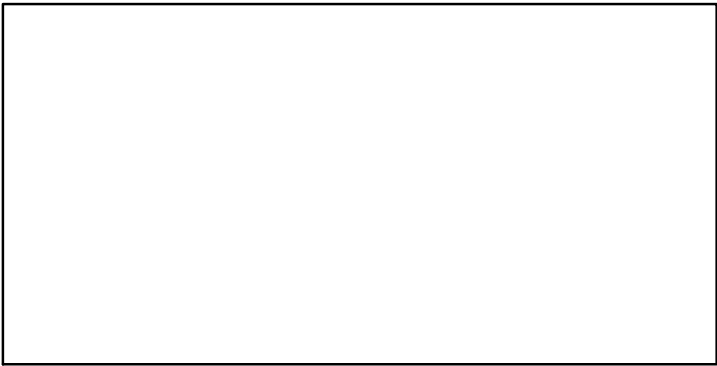
SSB*



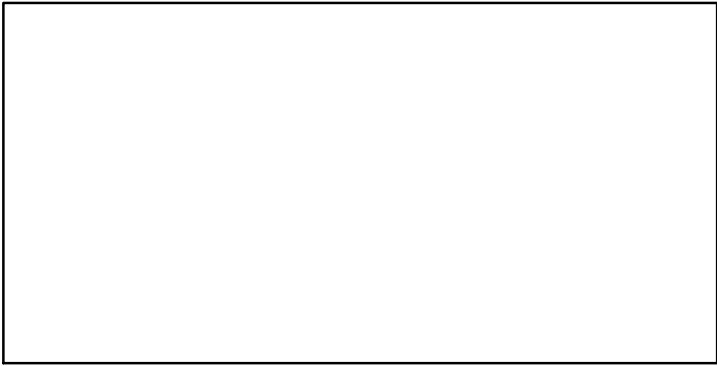
TN *



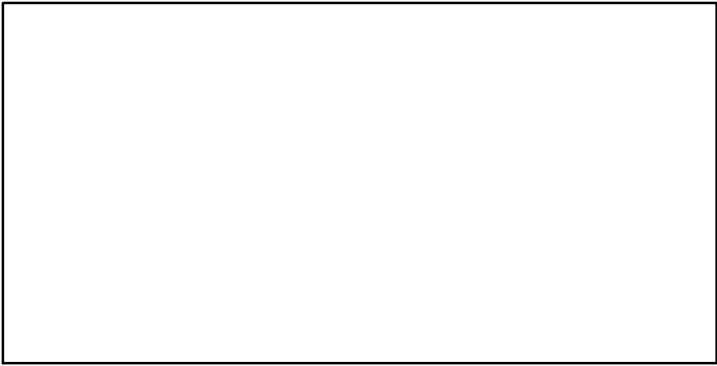
F*



ER*

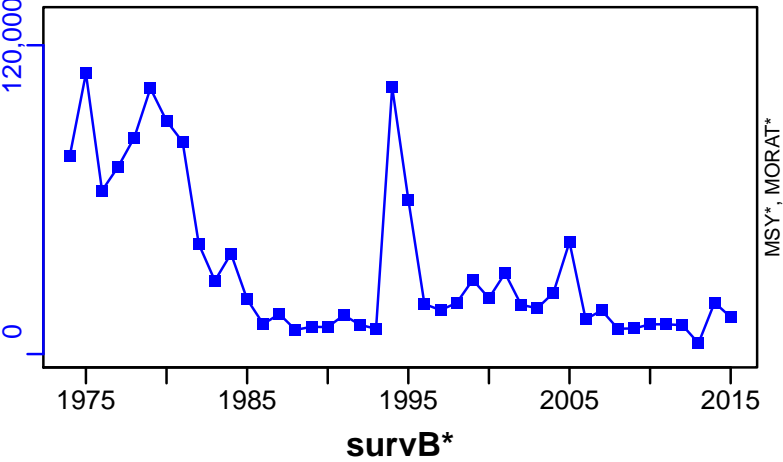


Recruits*

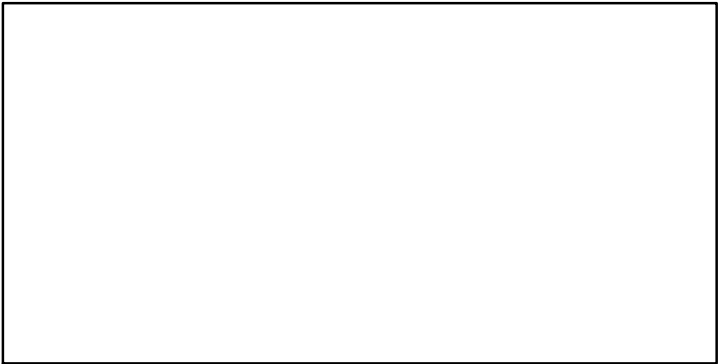


Sprat Kattegat and Skagerrak [SPRATIIIa]

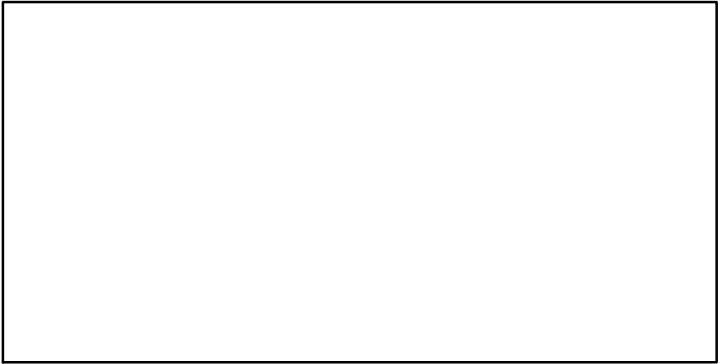
TL-MT, TC*, RecC* (1974–2016–ICESIMP2016)



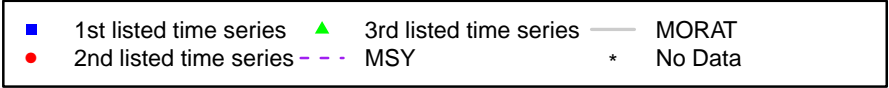
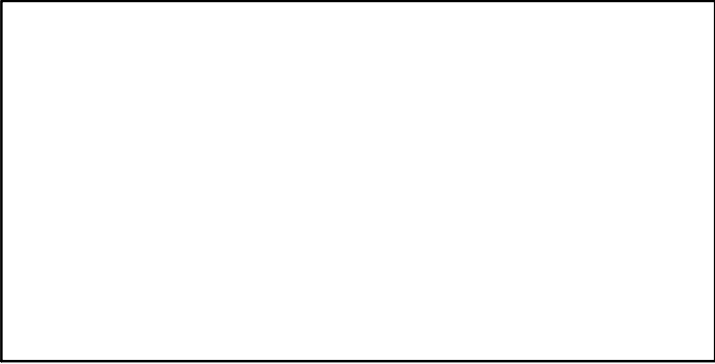
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Sprat North Sea [SPRATNS]

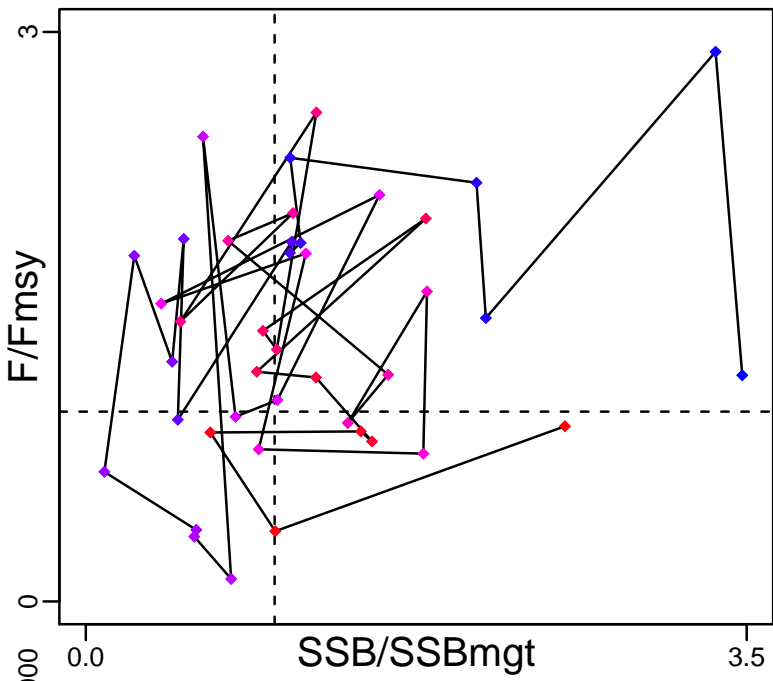
Metadata	
Scientific Name	Sprattus sprattus
Current Assess ID	HAWG-SPRATNS-1974-2016-ICESIMP2016
Area	North Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Herring Assessment Working Group for the Area South of 62N
Asmts in RAM	2013, 2014, 2015, 2016, 2007

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2015	0.7
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	142,000
Fmgt	Fmgt-1/yr	2015	0.7
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2007	0.75
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	90,000
Flim	-	-	-
ERlim	-	-	-

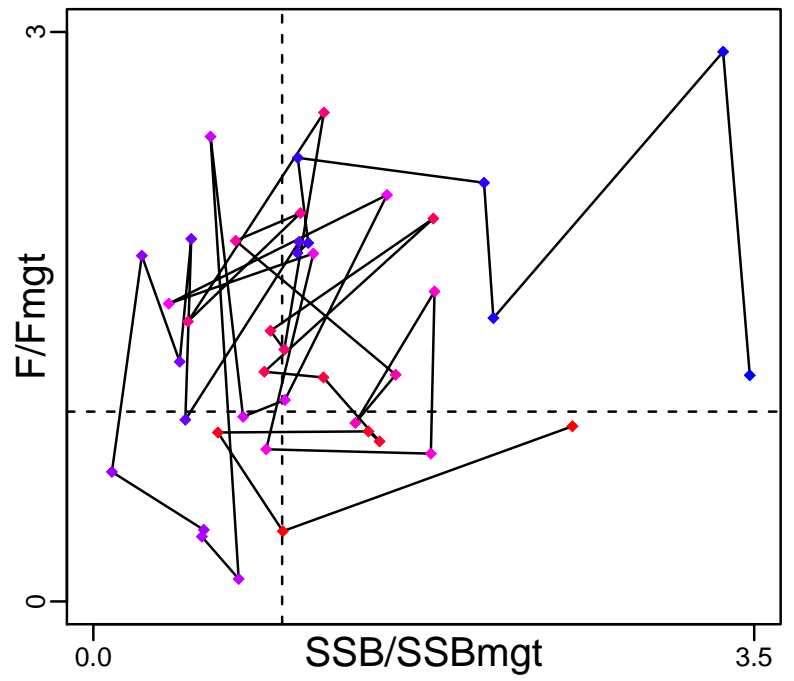
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	2,560,000	Both	-
SSB	SSB-MT	2016	209,000	Both	-
TN	TN-relative	2007	72,900	-	-
R	R-E00	2016	1.53×10^{11}	-	0
F	F-1/yr	2016	1.27	-	1 to 2
ER	ER-calc-ratio	2016	0.113	-	-
TC	-	-	-		
TL	TL-MT	2016	290,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.923		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.471		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.923		
ER/ERmgt	-	-	-		

Sprat North Sea [SPRATNS]

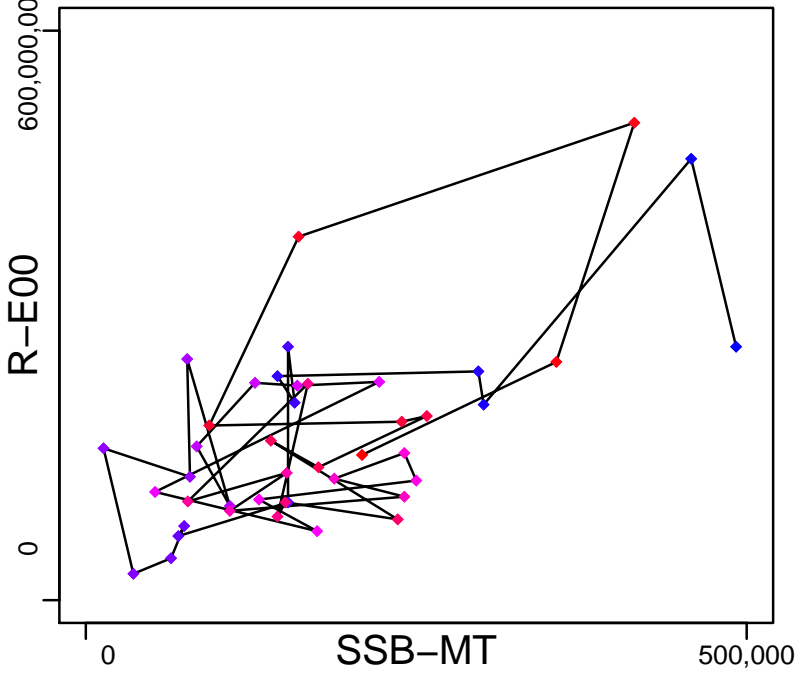
Kobe MSYpref (1974–2015–ICESIMP2016)



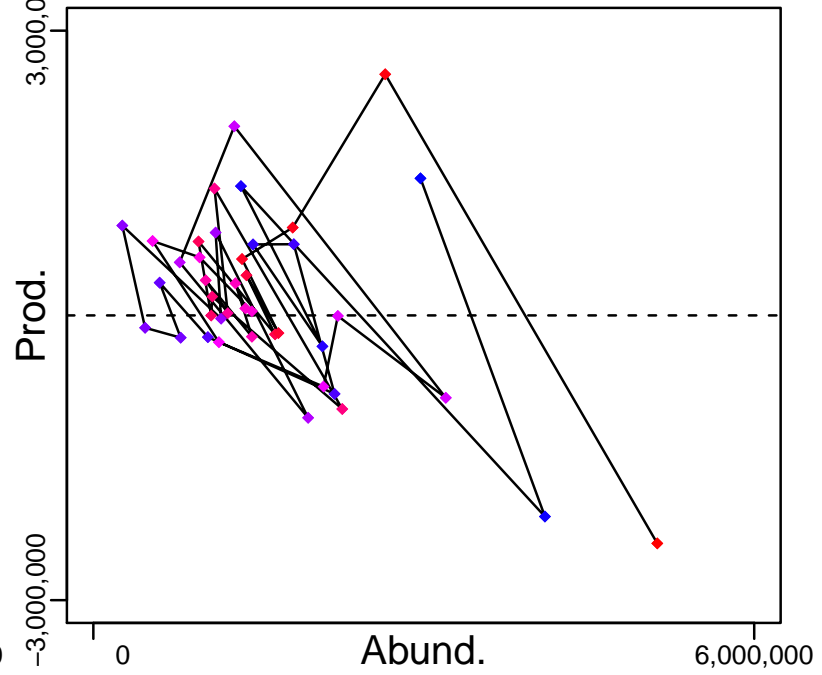
Kobe MGTpref (1974–2015–ICESIMP2016)



Spawner Recruit (1974–2016–ICESIMP2016)

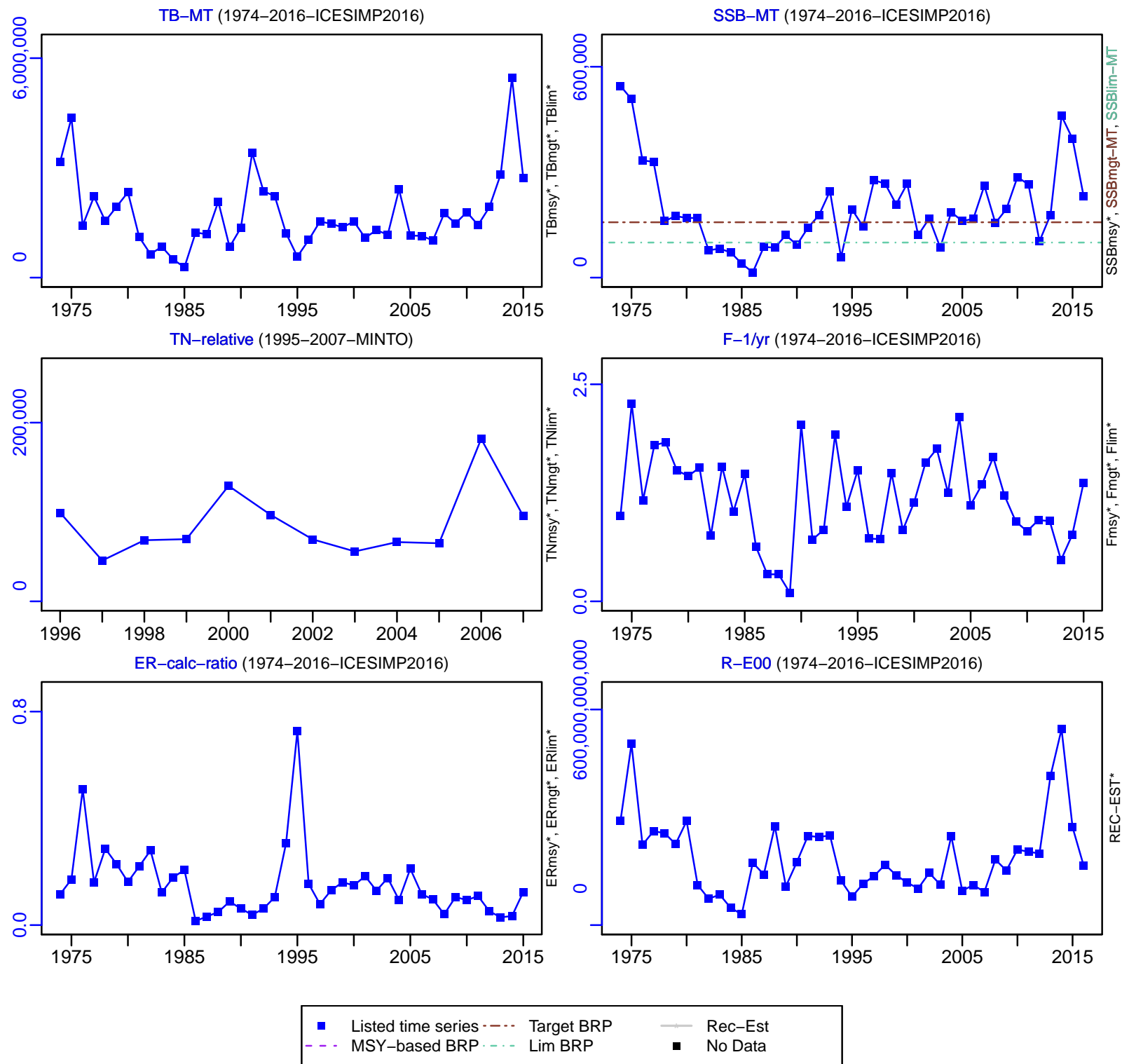


Production (1974–2016–ICESIMP2016)



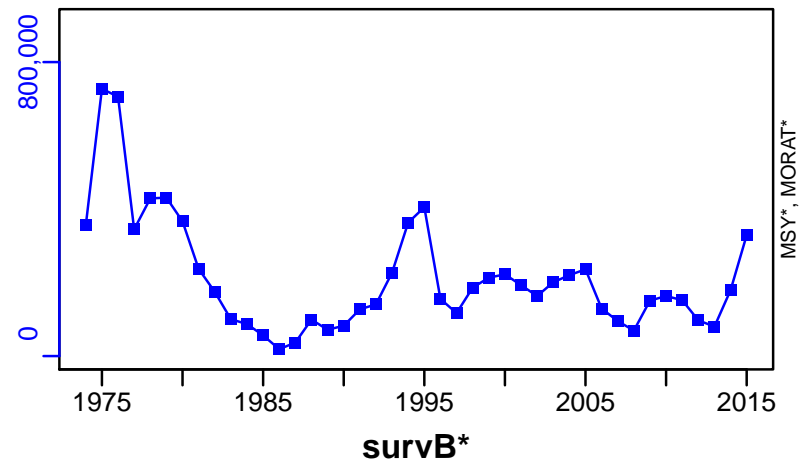
◆ Start Year ◆ End Year * No Data

Sprat North Sea [SPRATNS]

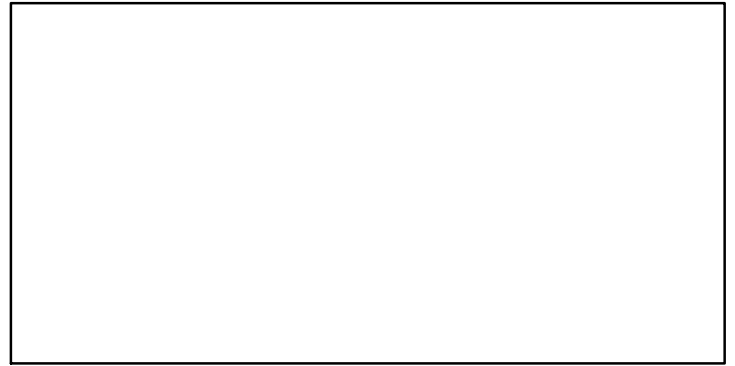


Sprat North Sea [SPRATNS]

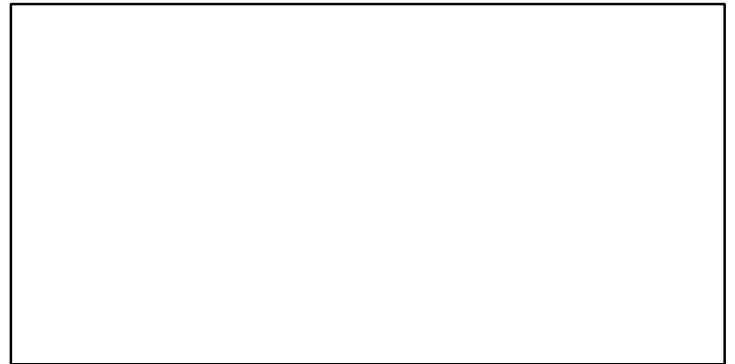
TL-MT, TC*, RecC* (1974–2016–ICESIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Sprat VIlde [SPRATVIlde]

Metadata	
Scientific Name	Sprattus sprattus
Current Assess ID	HAWG-SPRATVIlde-1985-2016-ICESIMP2016
Area	VIlde
Management Authority	International Council for the Exploration of the Sea
Assessor	Herring Assessment Working Group for the Area South of 62N
Asmts in RAM	2016

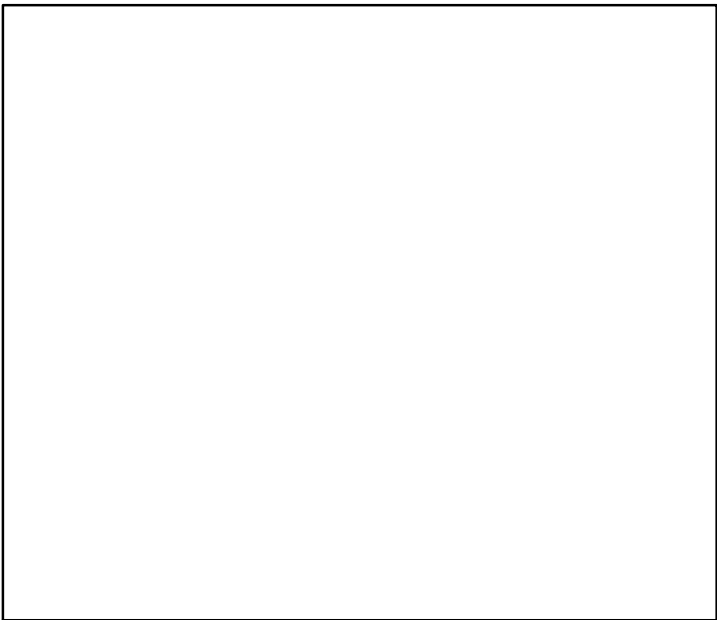
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	3000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

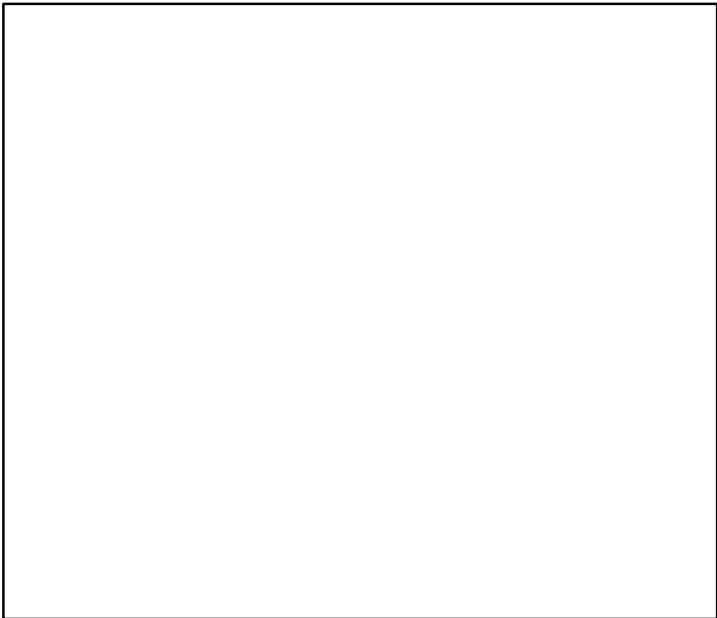
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*



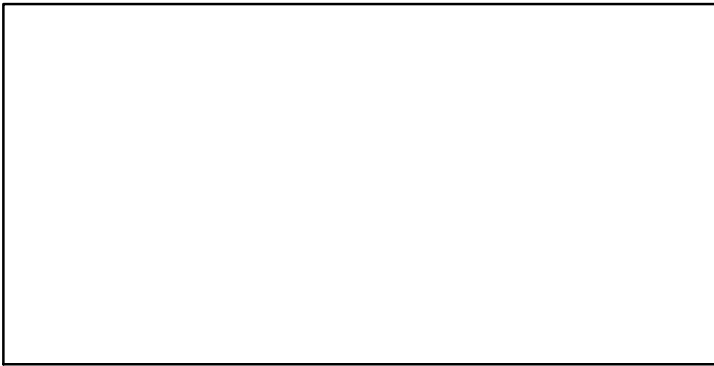
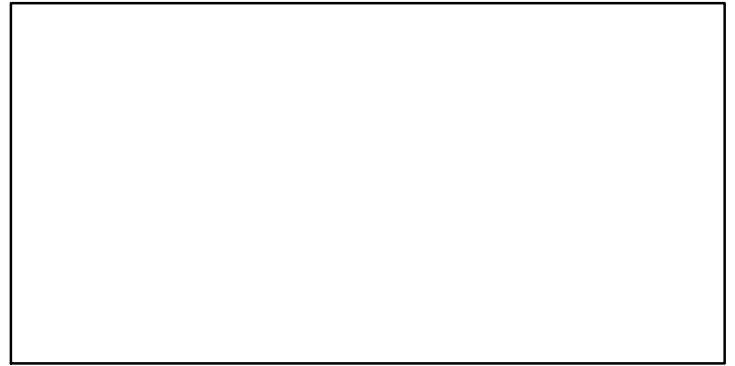
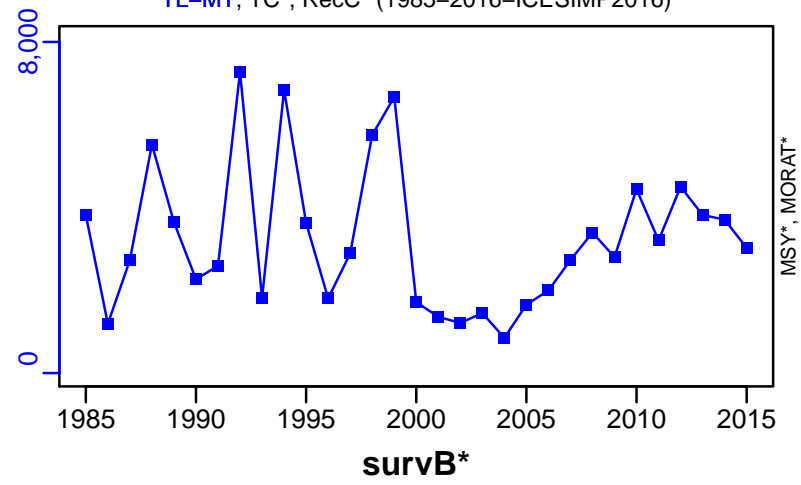
Recruits*



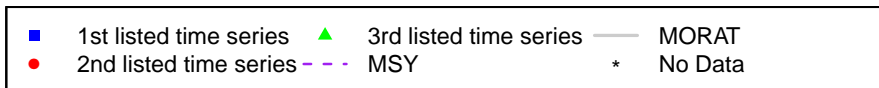
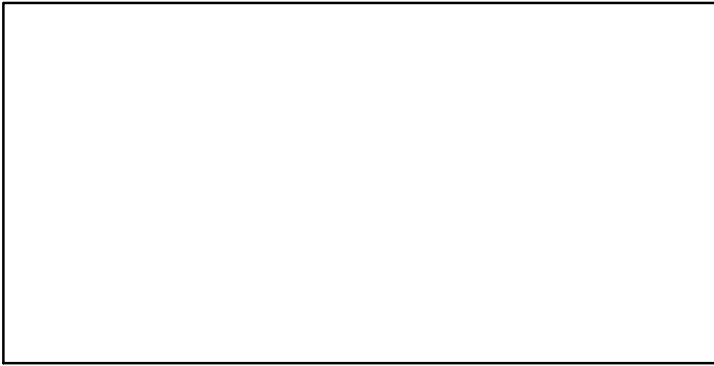
Sprat Vilde [SPRATVilde]

TL-MT, TC*, RecC* (1985–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



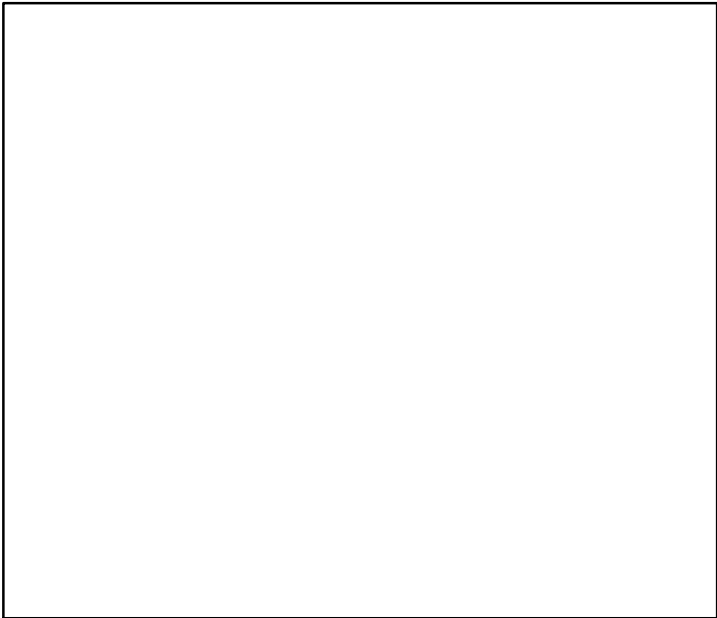
Sprat VI and VIIabcfghijk [SPRATVI-VIIabcfghijk]

Metadata	
Scientific Name	Sprattus sprattus
Current Assess ID	HAWG-SPRATVI-VIIabcfghijk-1985-2015-ICESIMP2016
Area	VI and VIIabcfghijk
Management Authority	International Council for the Exploration of the Sea
Assessor	Herring Assessment Working Group for the Area South of 62N
Asmts in RAM	2015

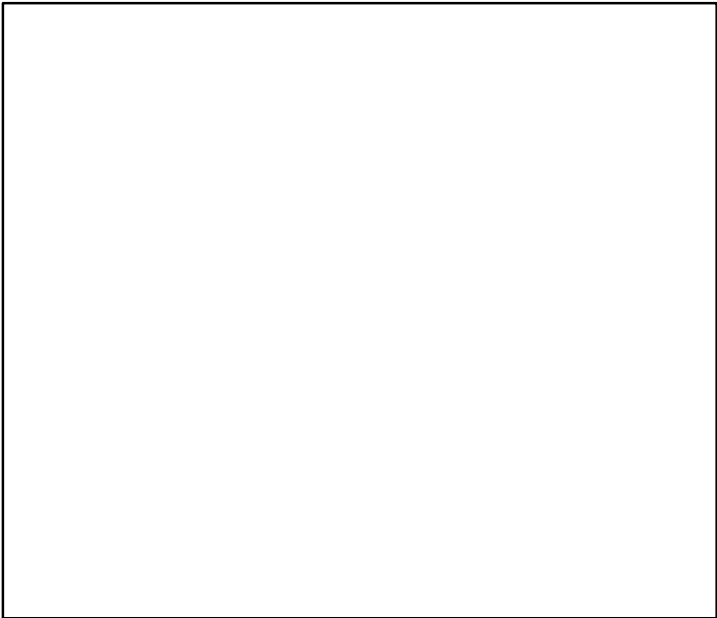
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	4390		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

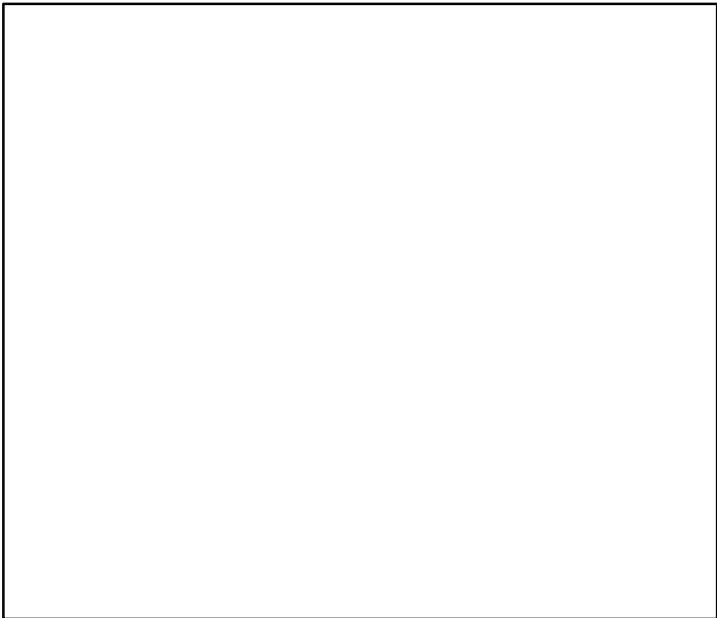
Kobe MSY*



Kobe MGT*



Spawner Recruit*

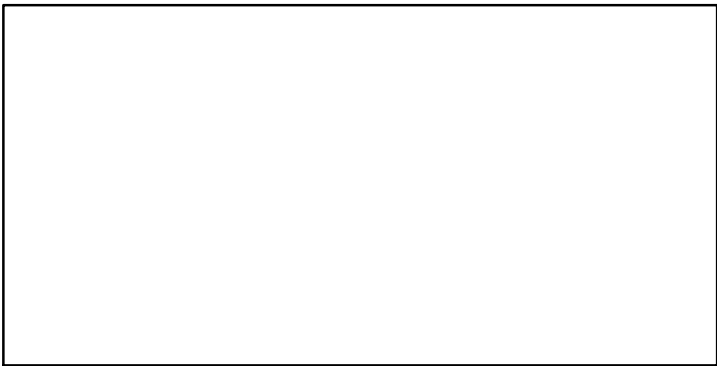


Production*

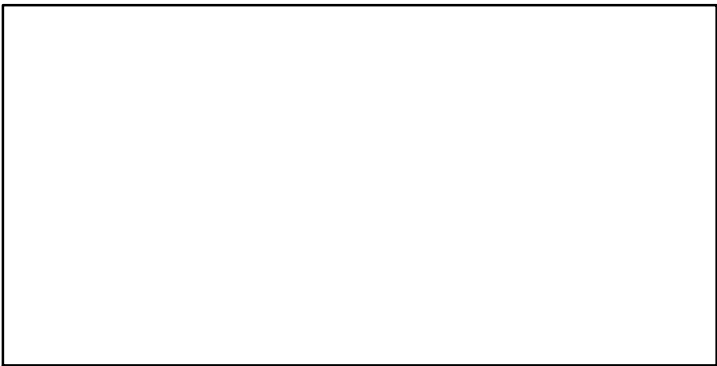


◆ Start Year ◆ End Year * No Data

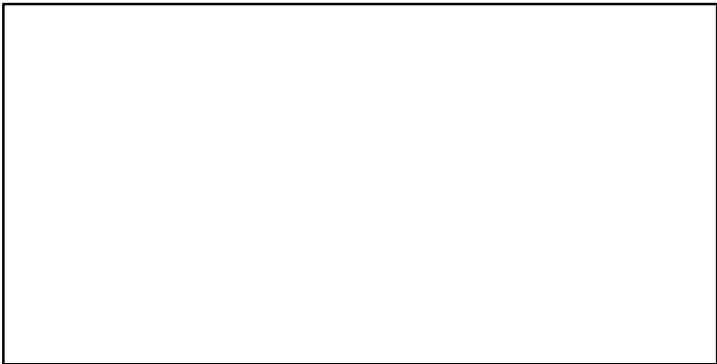
TB*



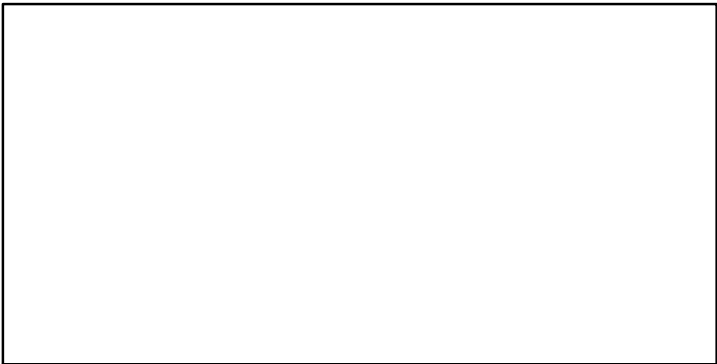
SSB*



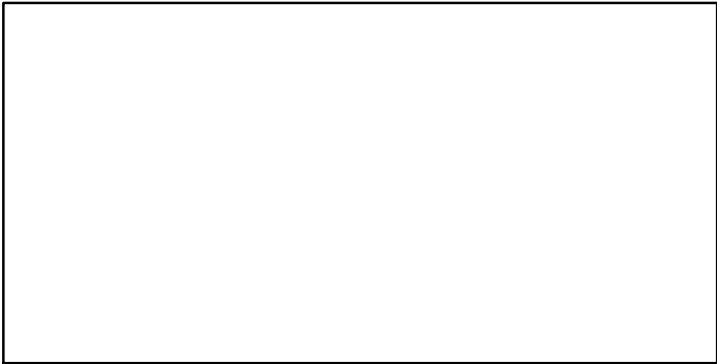
TN *



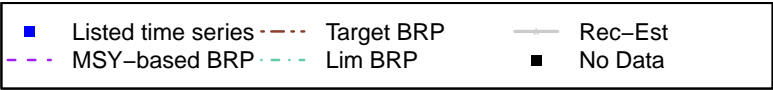
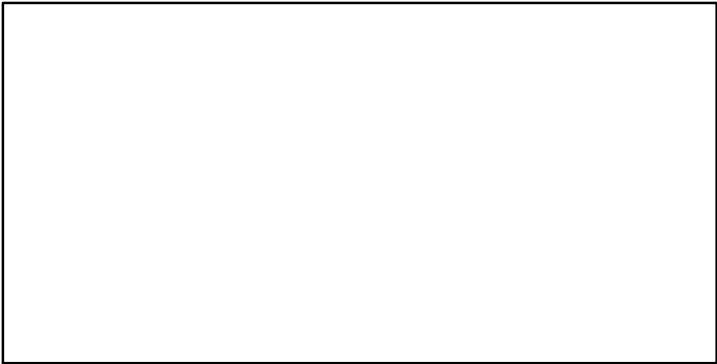
F*



ER*

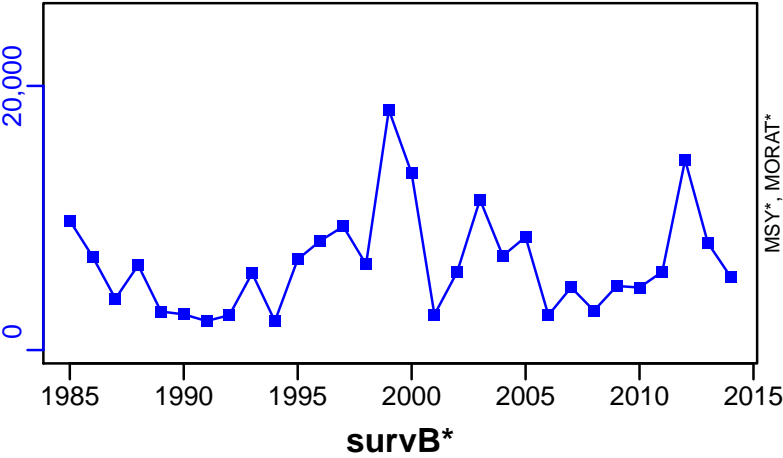


Recruits*

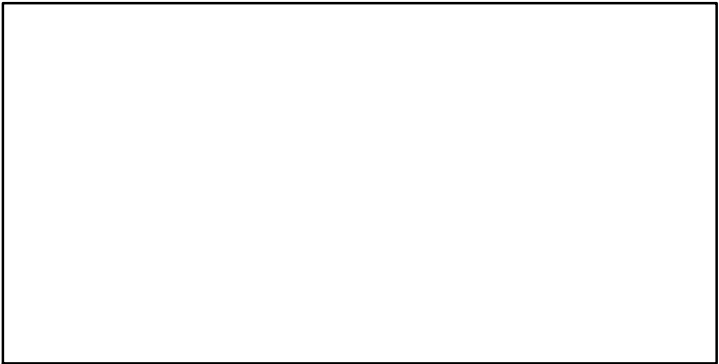


Sprat VI and VIIabcfghijk [SPRATVI-VIIabcfghijk]

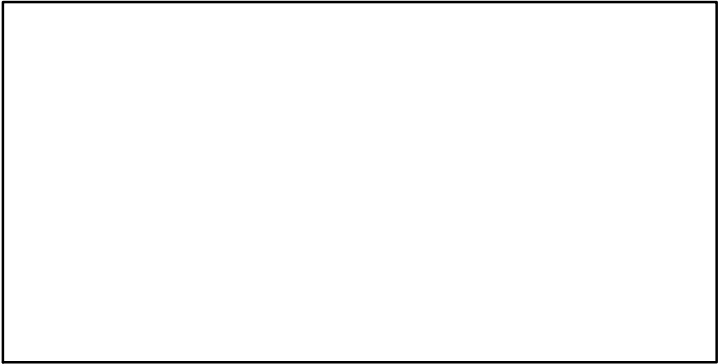
TL-MT, TC*, RecC* (1985-2015-ICESIMP2016)



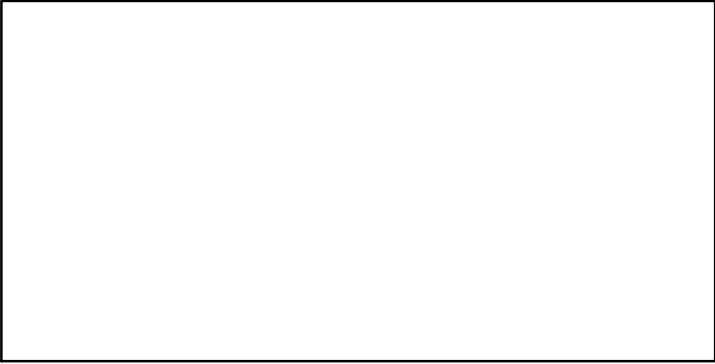
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Spurdog Northeast Atlantic [SPURDNEATL]

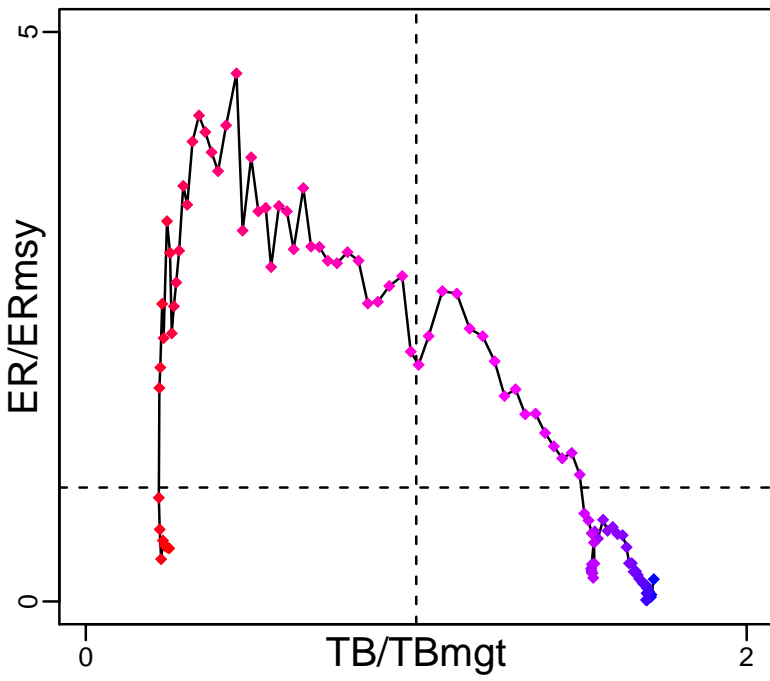
Metadata	
Scientific Name	Squalus acanthias
Current Assess ID	WGEF-SPURDNEATL-1905-2014-ICESIMP2016
Area	Northeast Atlantic
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Elasmobranch Fishes
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2014	0.029
TBmgt	TBmgt-MT	2014	963,700
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2014	0.029
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

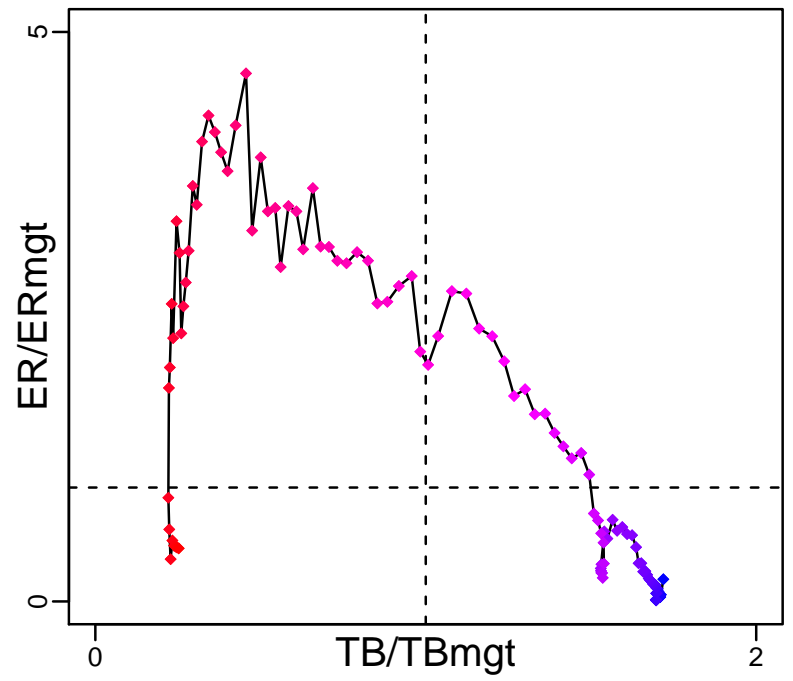
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	248,000	Both	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-E00	2014	102,000	-	0
F	-	-	-	-	-
ER	ER-ratio	2014	0.014	-	-
TC	TC-MT	2014	2380		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2014	0.466		
TB/TBmgt	TB-MT/TBmgt-MT	2014	0.257		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Spurdog Northeast Atlantic [SPURDNEATL]

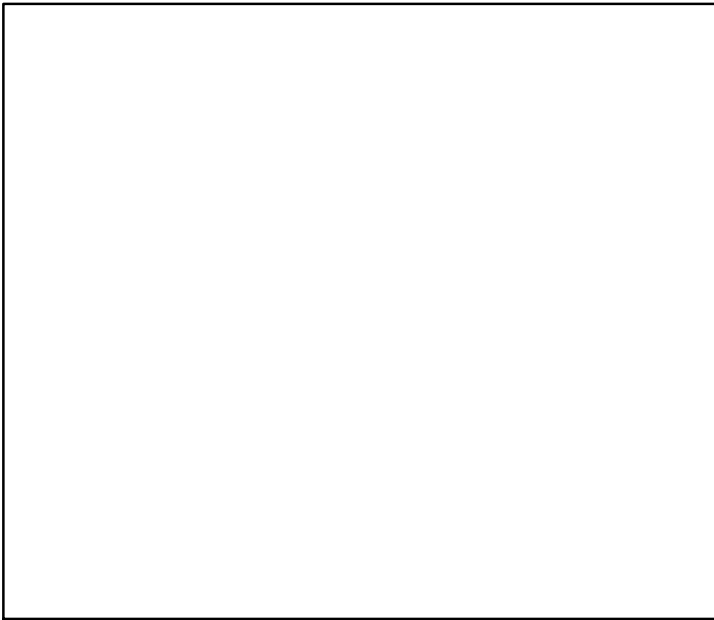
Kobe MSYpref (1905–2014–ICESIMP2016)



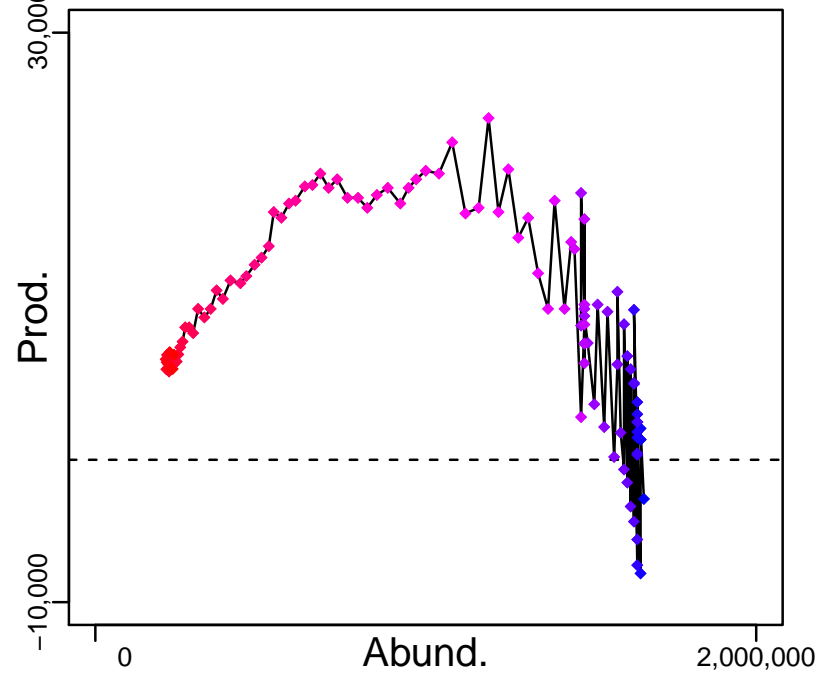
Kobe MGTpref (1905–2014–ICESIMP2016)



Spawner Recruit*



Production (1905–2014–ICESIMP2016)

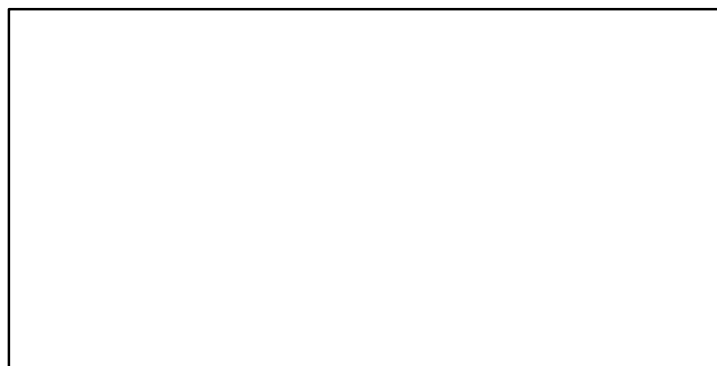
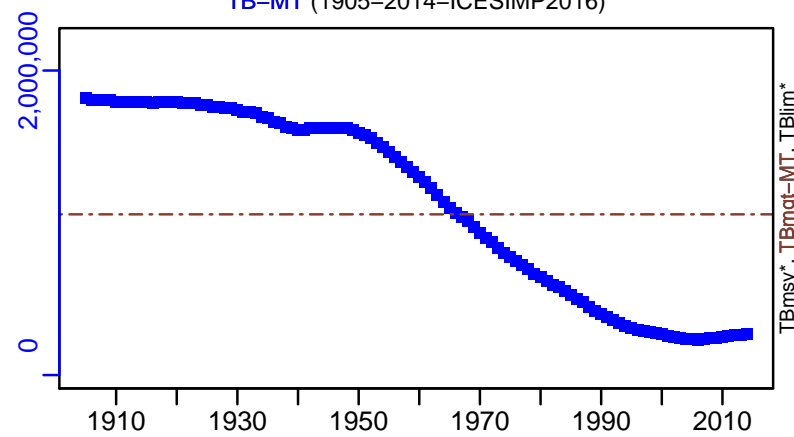


◆ Start Year ◆ End Year * No Data

Spurdog Northeast Atlantic [SPURDNEATL]

TB-MT (1905–2014–ICESIMP2016)

SSB*



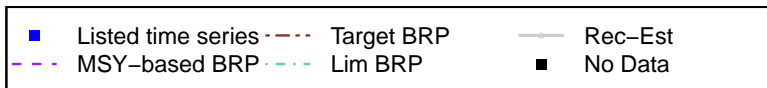
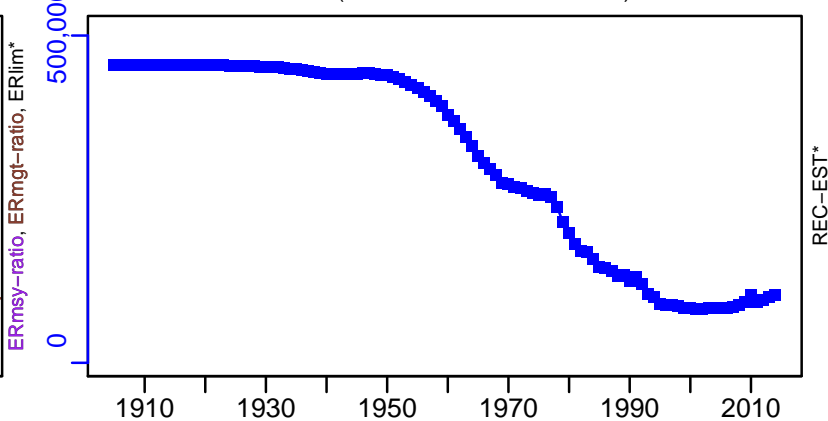
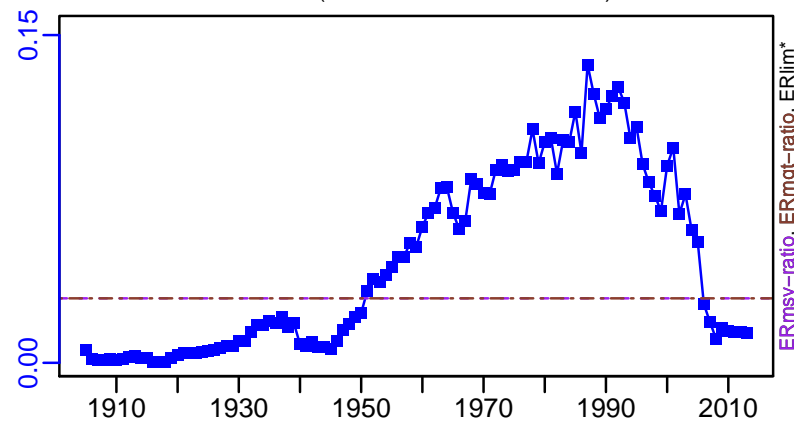
TN *

F*



ER-ratio (1905–2014–ICESIMP2016)

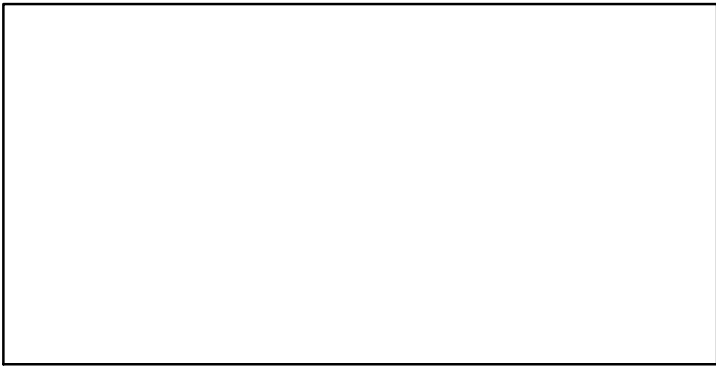
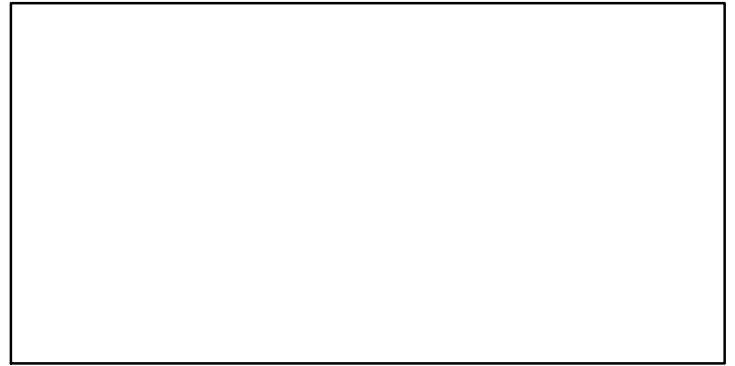
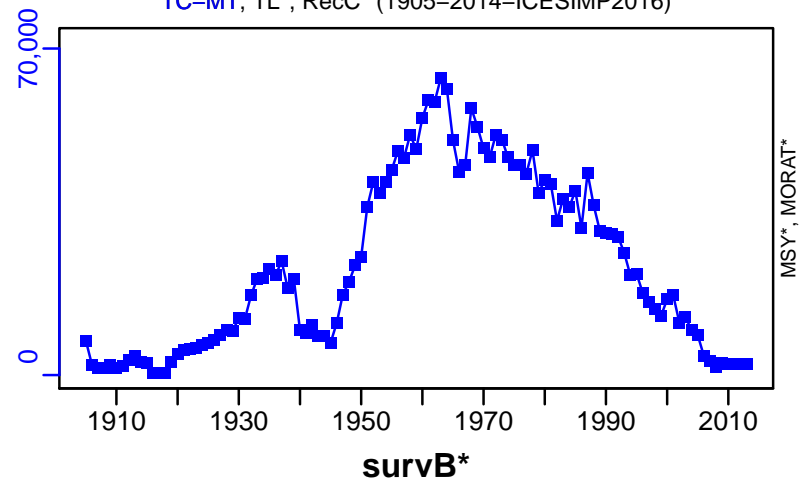
R-E00 (1905–2014–ICESIMP2016)



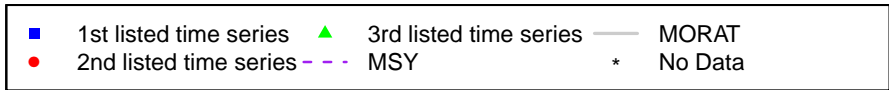
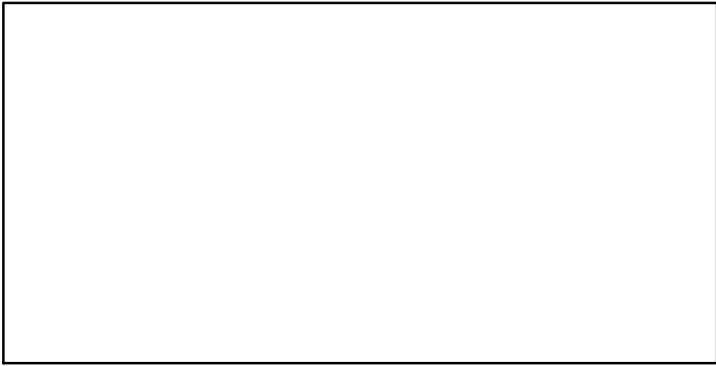
Spurdog Northeast Atlantic [SPURDNEATL]

TC-MT, TL*, RecC* (1905–2014–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



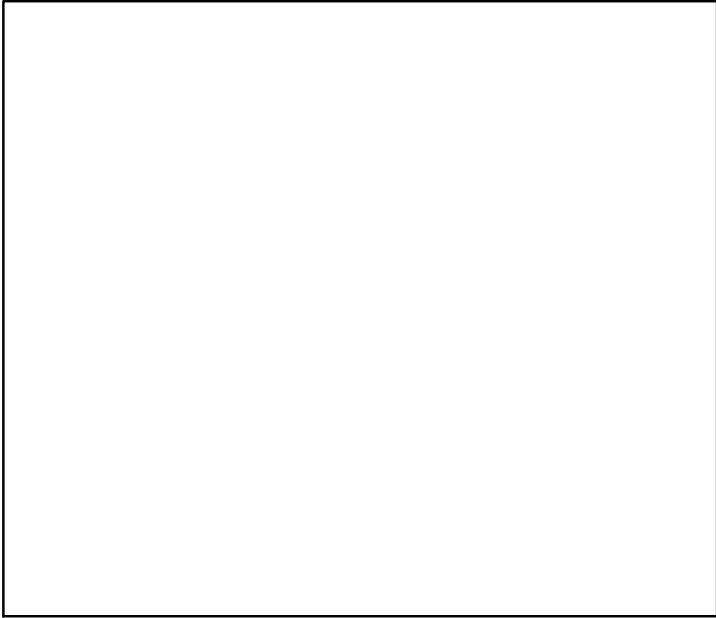
Turbot Baltic Areas 22-32 [TUR2232]

Metadata	
Scientific Name	Scophthalmus maximus
Current Assess ID	WGBFAS-TUR2232-1965-2016-ICESIMP2016
Area	Baltic Areas 22-32
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2016

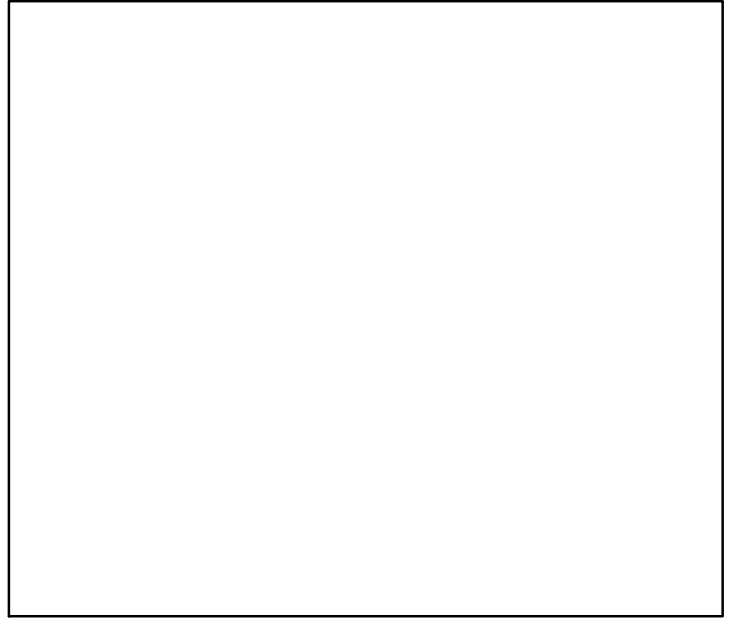
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	233		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

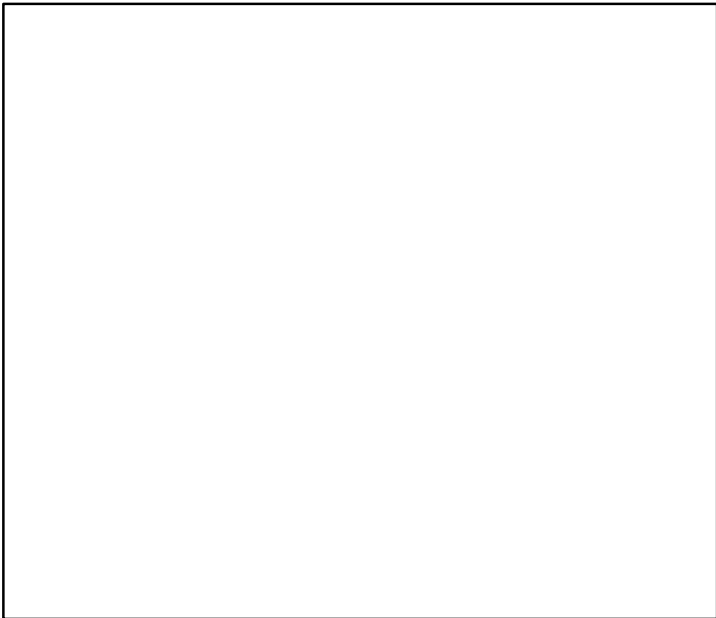
Kobe MSY*



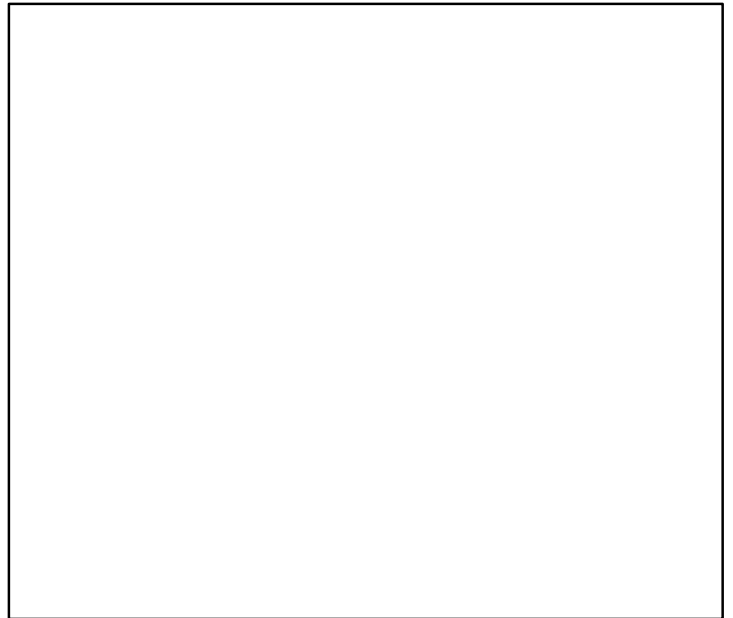
Kobe MGT*



Spawner Recruit*



Production*



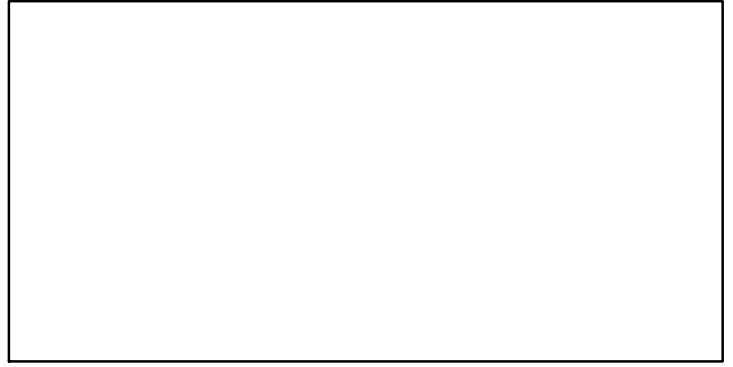
◆ Start Year ◆ End Year * No Data

Turbot Baltic Areas 22–32 [TUR2232]

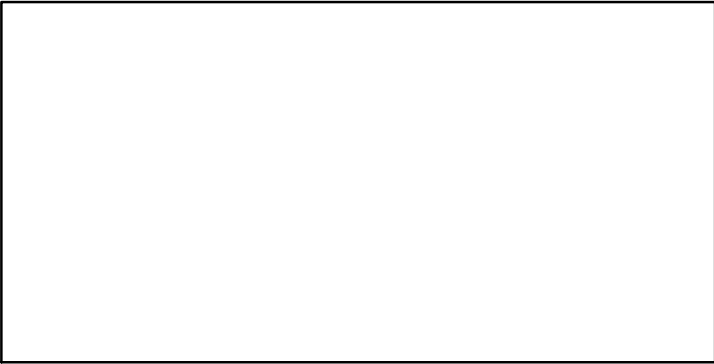
TB*



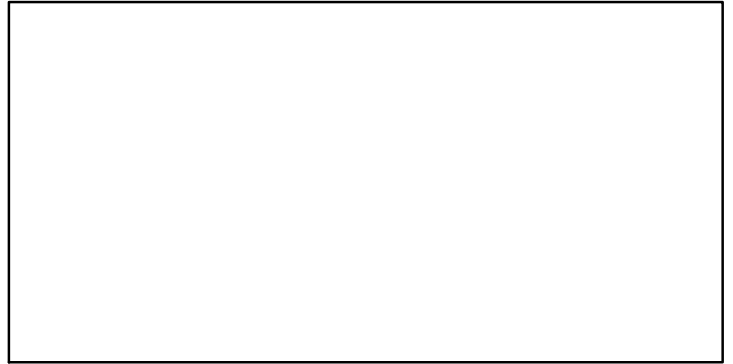
SSB*



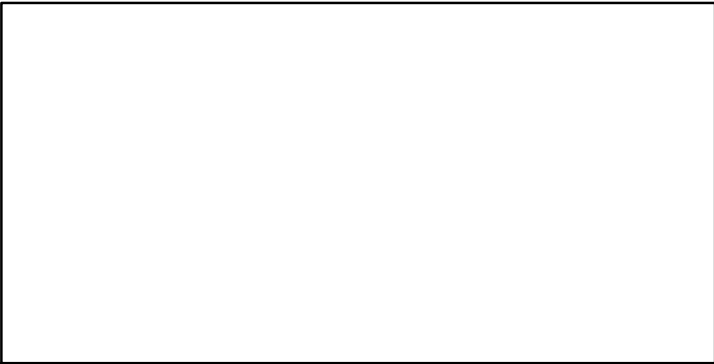
TN *



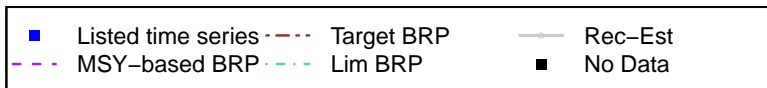
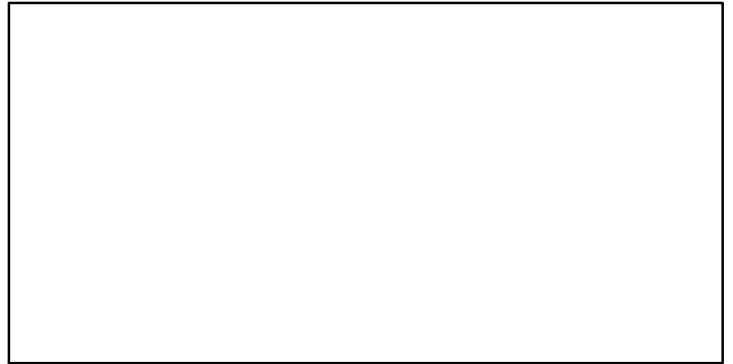
F*



ER*



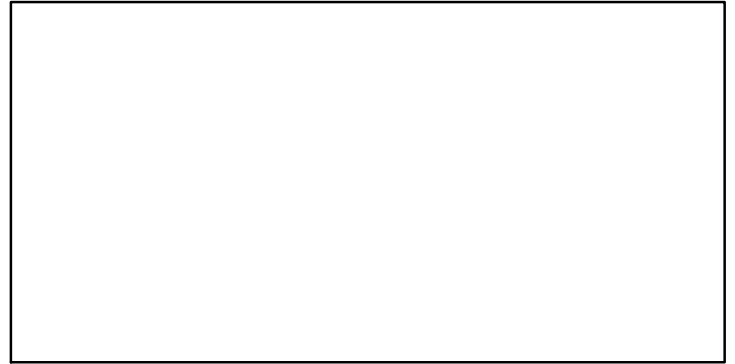
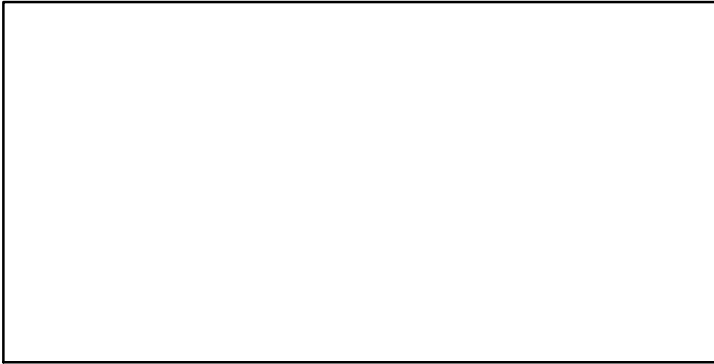
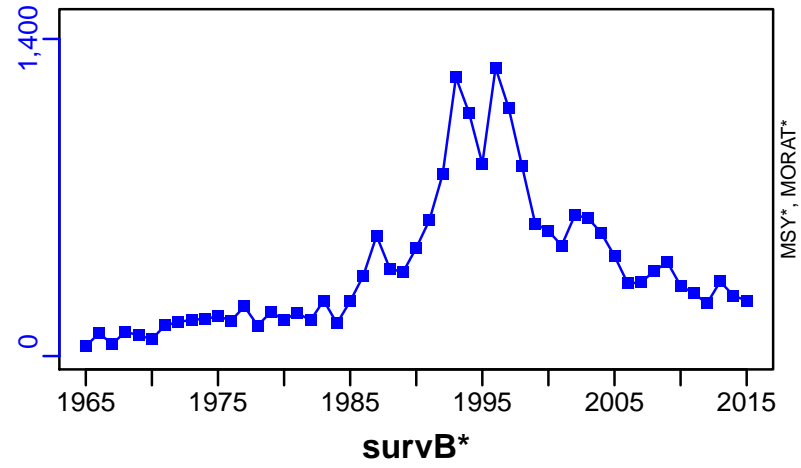
Recruits*



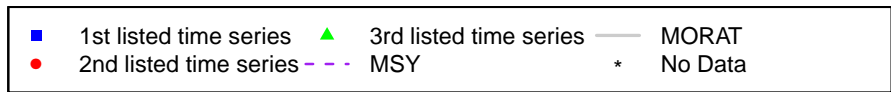
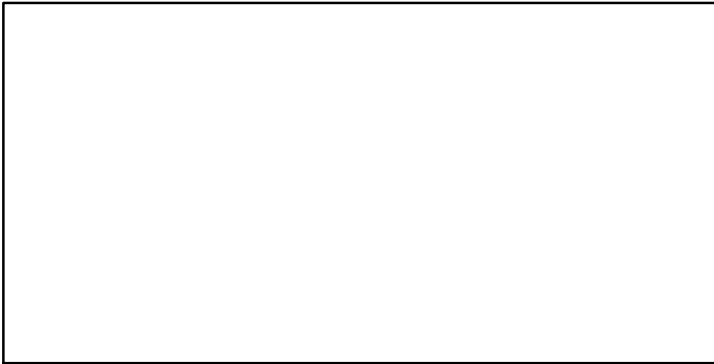
Turbot Baltic Areas 22–32 [TUR2232]

TL–MT, TC*, RecC* (1965–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



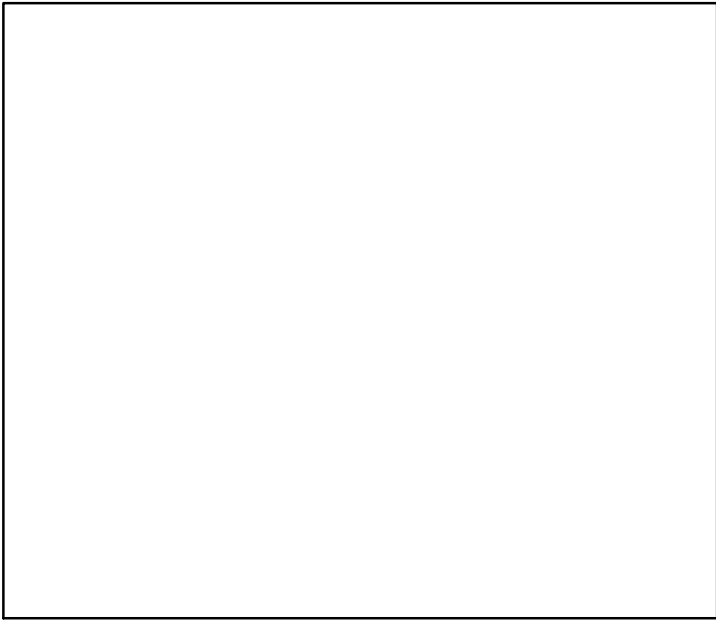
Turbot North Sea [TURIV]

Metadata	
Scientific Name	Scophthalmus maximus
Current Assess ID	WGNSSK-TURIV-1974-2015-ICESIMP2016
Area	North Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2013, 2014, 2015

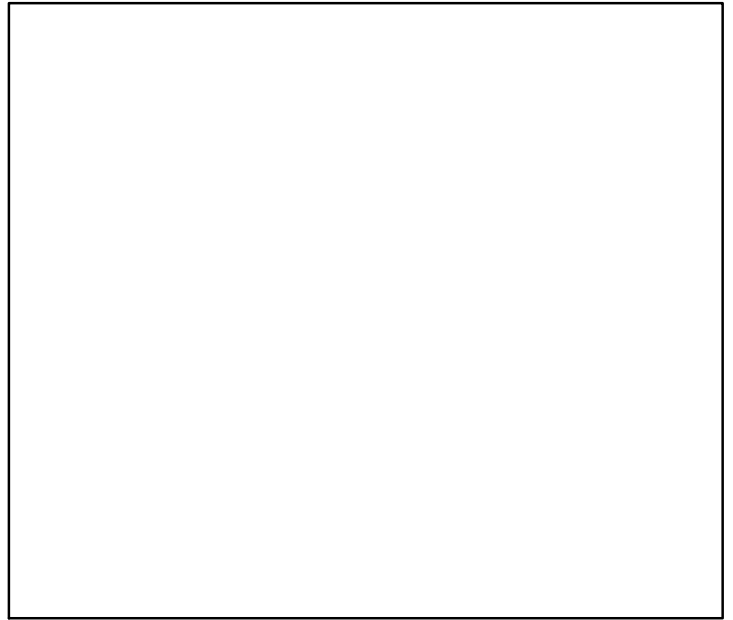
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-relative	2014	0.22
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-relative	2015	0.436	Both	-
TN	-	-	-	-	-
R	R-relative	2015	0.805	-	1
F	F-relative	2015	1.59	-	2 to 6
ER	-	-	-	-	-
TC	TC-MT	2015	2830		
TL	TL-MT	2015	2830		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

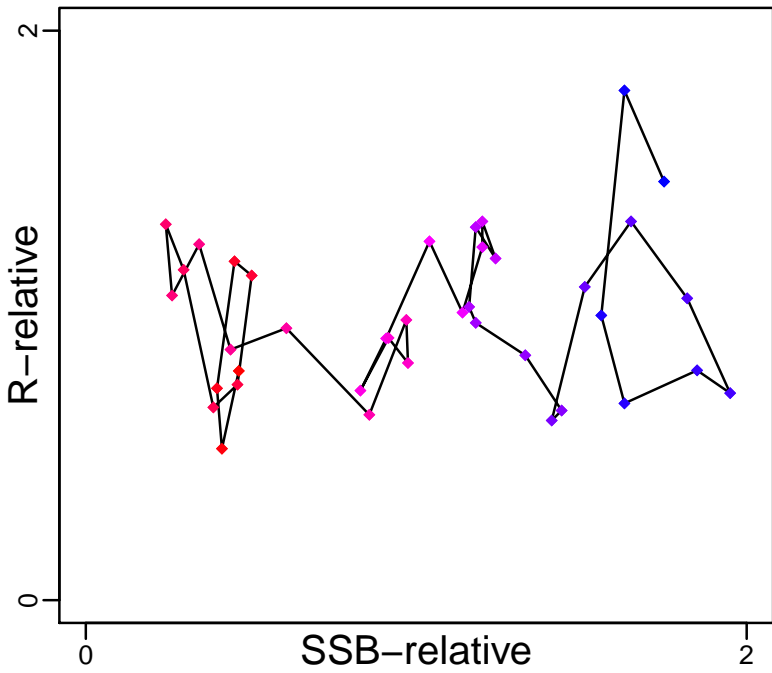
Kobe MSY*



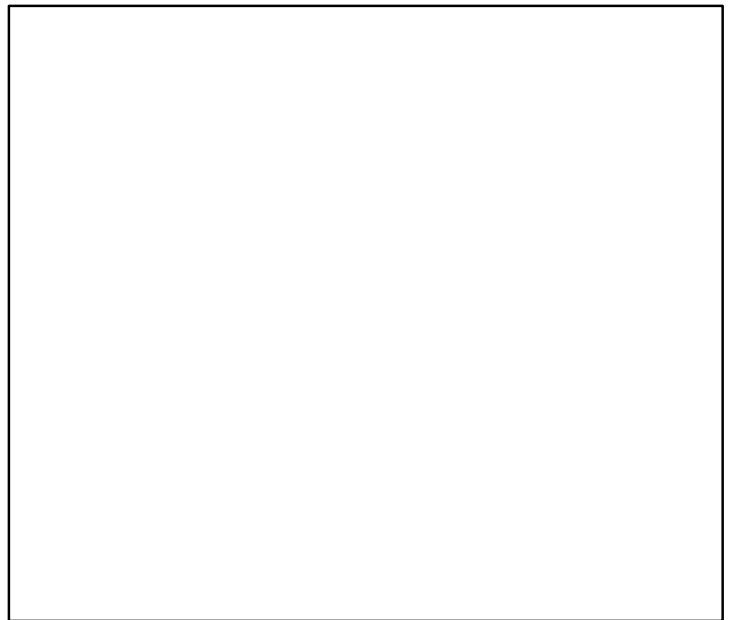
Kobe MGT*



Spawner Recruit (1974–2015–ICESIMP2016)



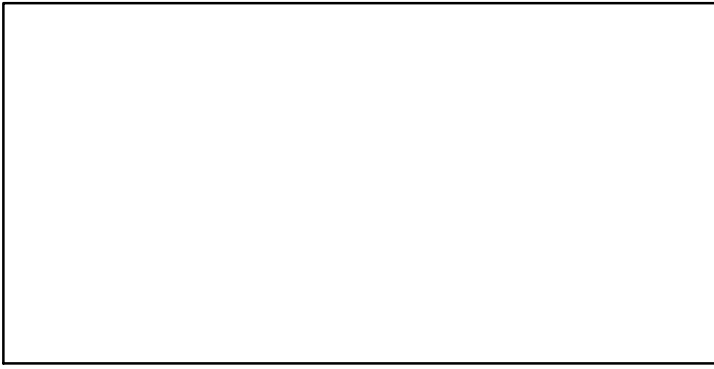
Production*



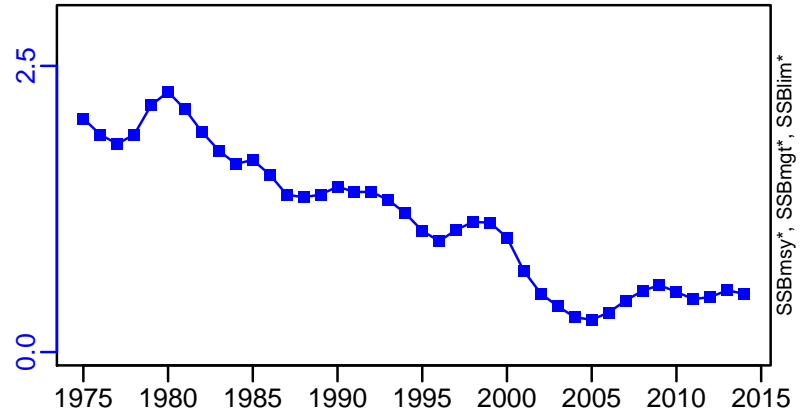
◆ Start Year ◆ End Year * No Data

Turbot North Sea [TURIV]

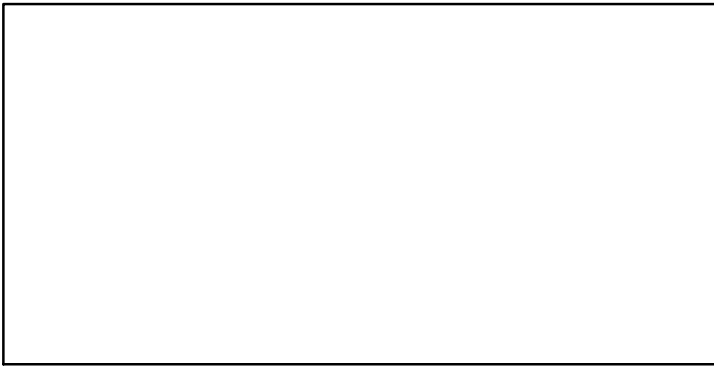
TB*



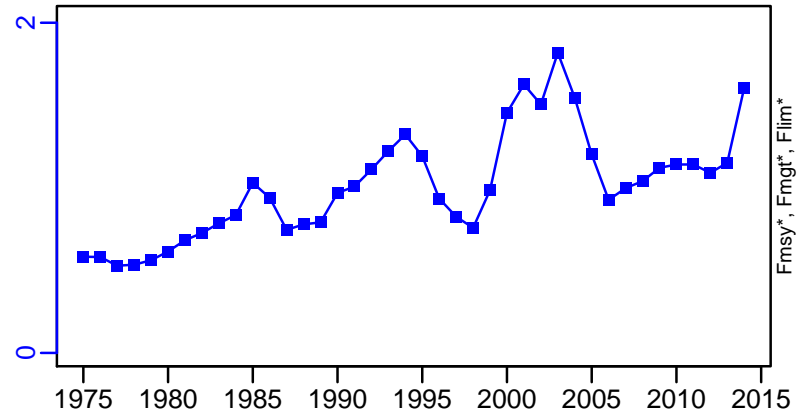
SSB-relative (1974–2015–ICESIMP2016)



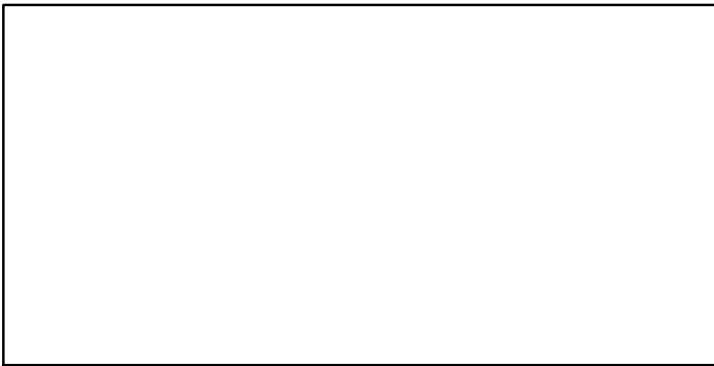
TN *



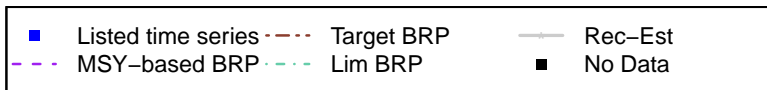
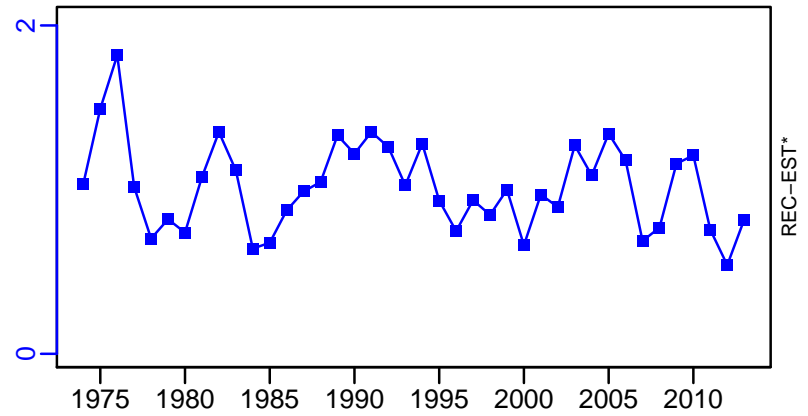
F-relative (1974–2015–ICESIMP2016)



ER*



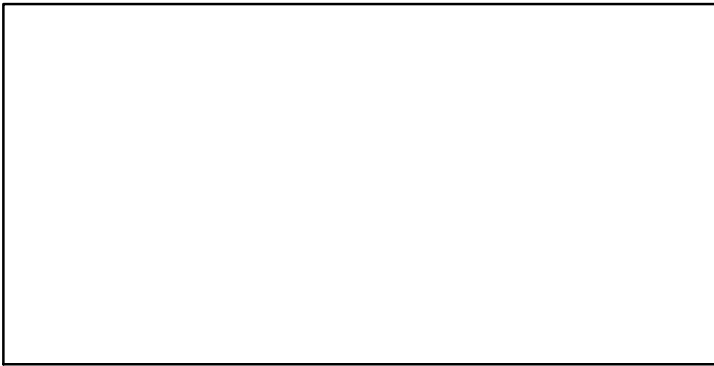
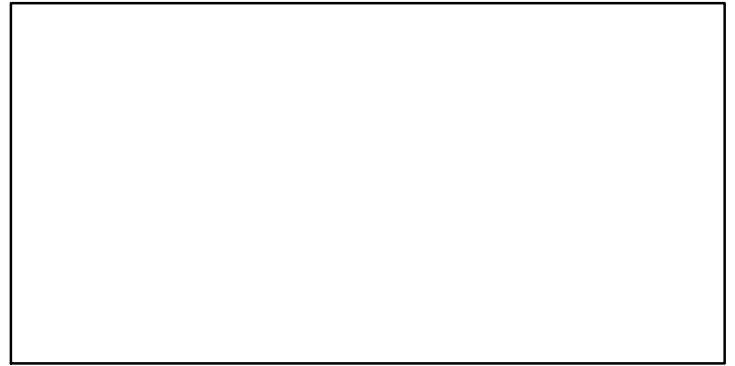
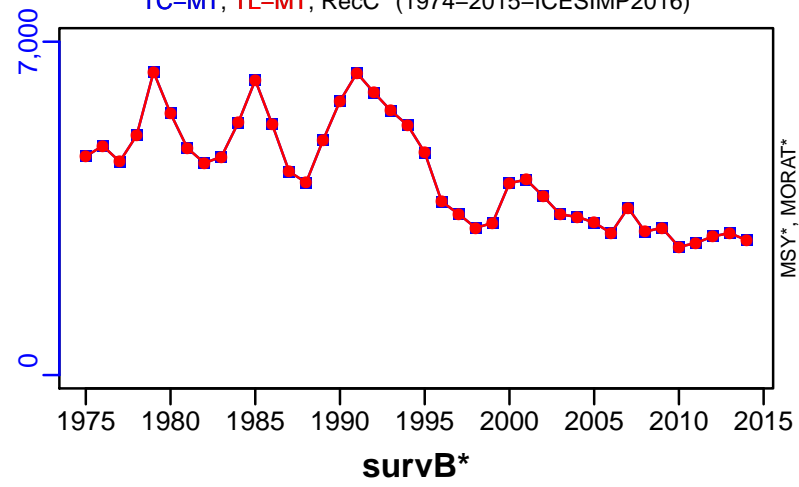
R-relative (1974–2015–ICESIMP2016)



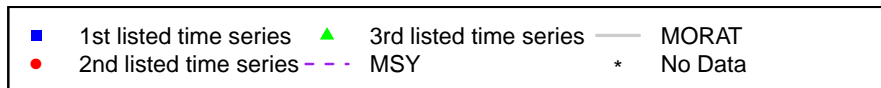
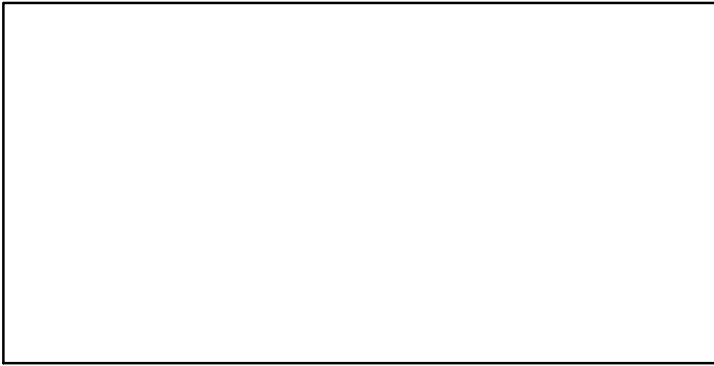
Turbot North Sea [TURIV]

TC-MT, TL-MT, RecC* (1974-2015-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



White anglerfish VIIIc-IXa [WANGLVIIIc-IXa]

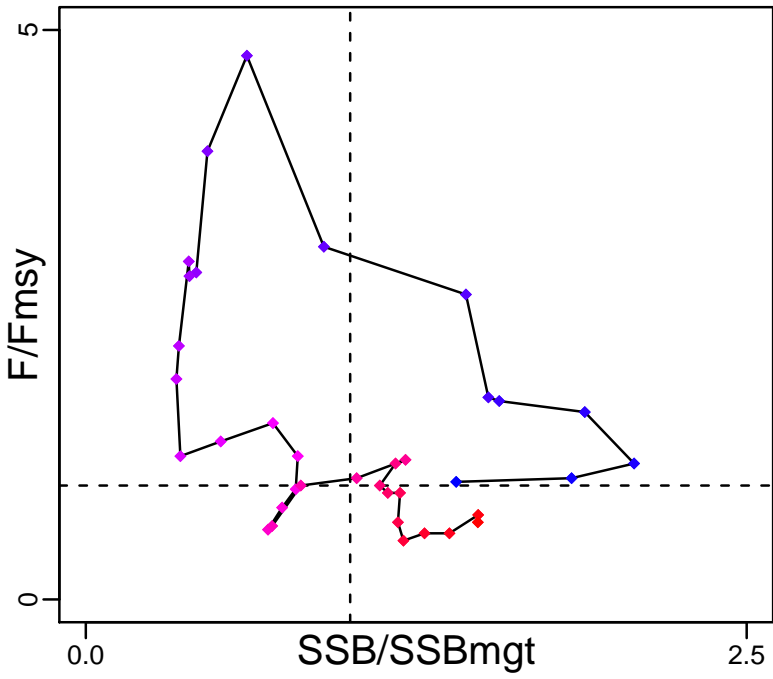
Metadata	
Scientific Name	Lophius piscatorius
Current Assess ID	WGBIE-WANGLVIIIc-IXa-1980-2016-ICESIMP2016
Area	VIIIc-IXa
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2014, 2015, 2016, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.31
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	5400
Fmgt	Fmgt-1/yr	2016	0.31
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	1900
Flim	Flim-1/yr	2016	0.6
ERlim	-	-	-

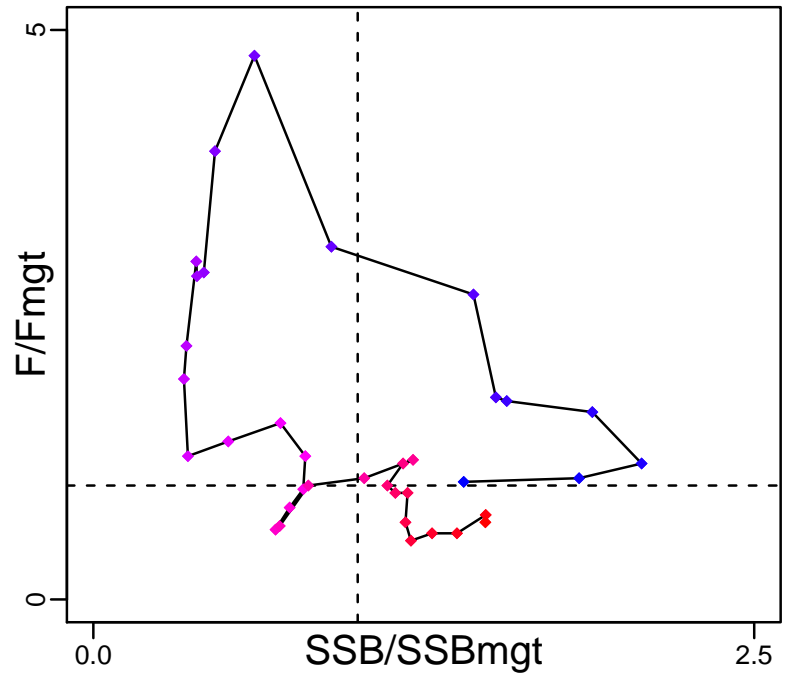
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	9600	Both	-
SSB	SSB-MT	2016	7940	Both	-
TN	-	-	-	-	-
R	R-E00	2016	1,080,000	-	0
F	F-1/yr	2016	0.21	-	-
ER	ER-calc-ratio	2016	0.182	-	-
TC	-	-	-		
TL	TL-MT	2016	1750		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.677		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.471		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.677		
ER/ERmgt	-	-	-		

White anglerfish VIIIc-IXa [WANGLVIIIc-IXa]

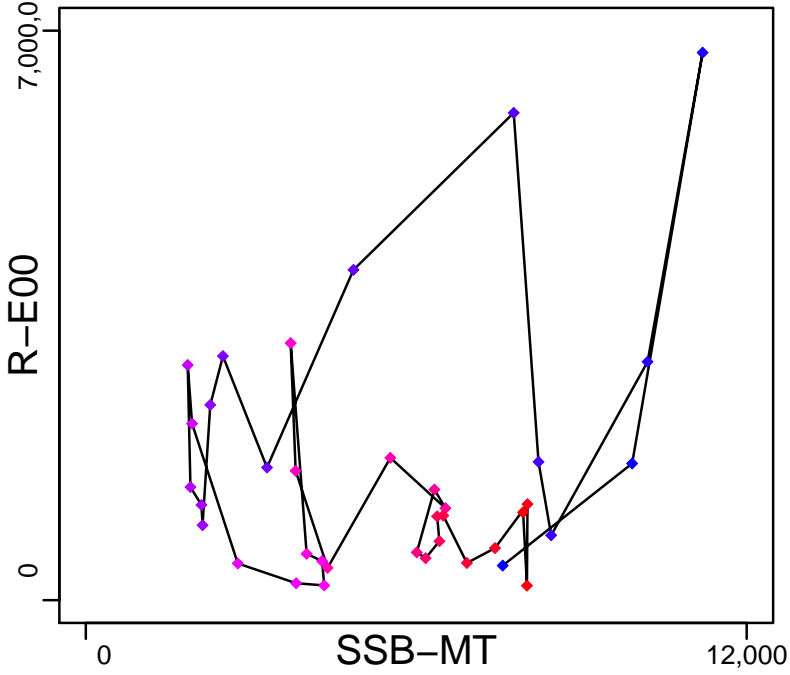
Kobe MSYpref (1980–2016–ICESIMP2016)



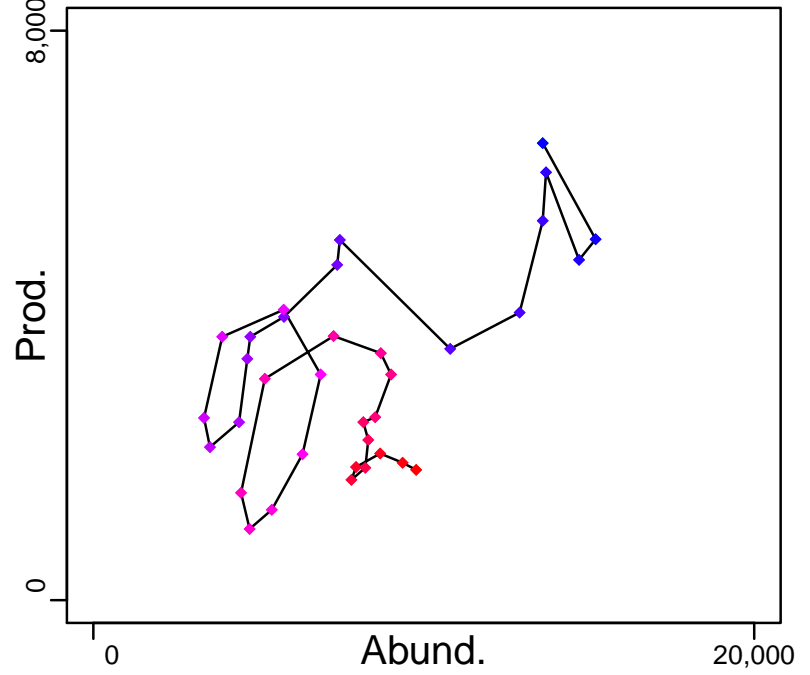
Kobe MGTpref (1980–2016–ICESIMP2016)



Spawner Recruit (1980–2016–ICESIMP2016)



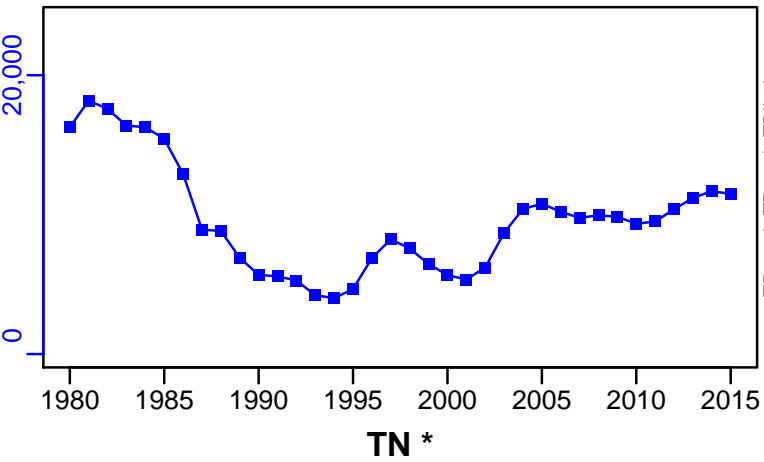
Production (1980–2016–ICESIMP2016)



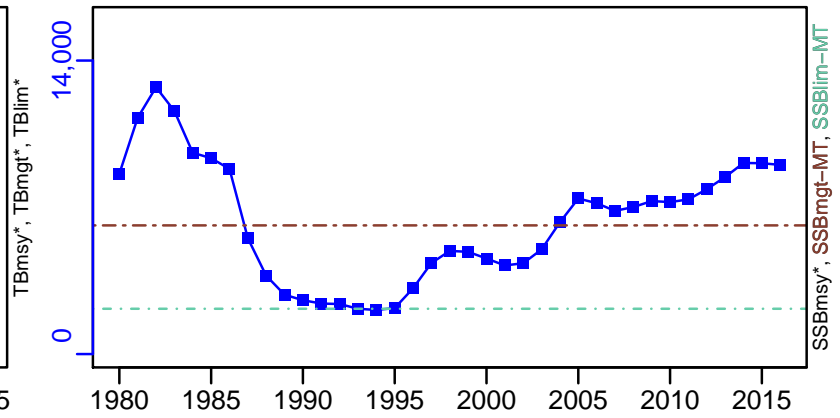
◆ Start Year ◆ End Year * No Data

White anglerfish VIIIc-IXa [WANGLVIIIc-IXa]

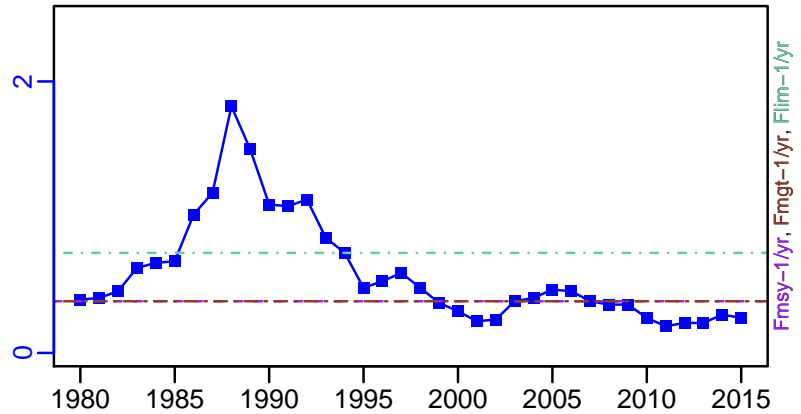
TB-MT (1980–2016–ICESIMP2016)



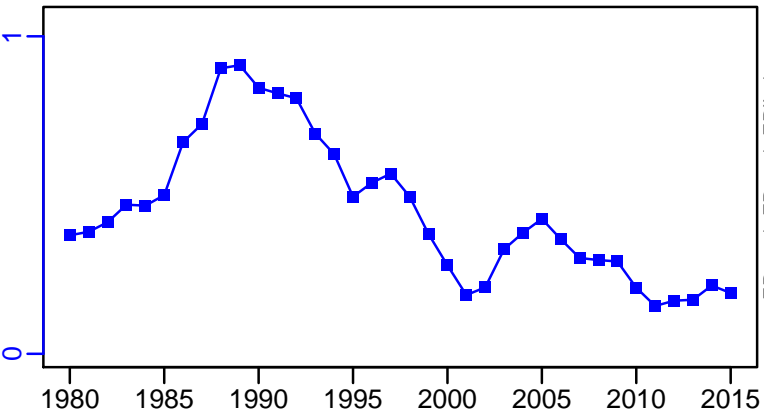
SSB-MT (1980–2016–ICESIMP2016)



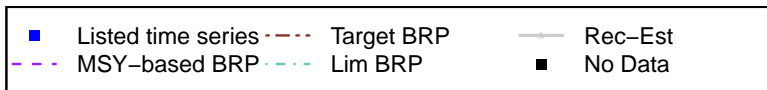
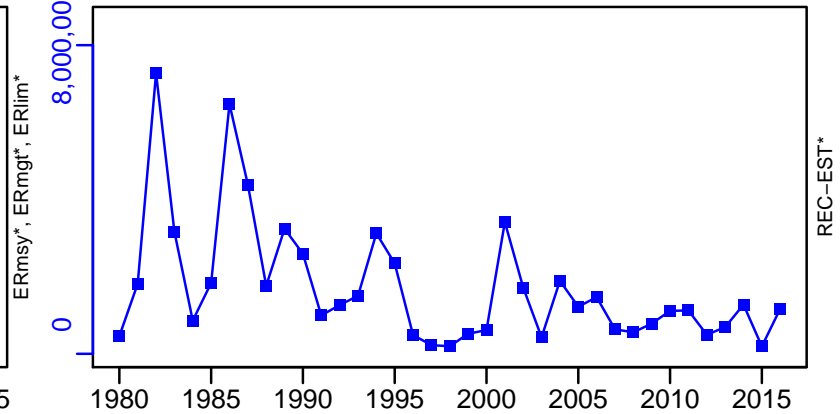
F-1/yr (1980–2016–ICESIMP2016)



ER-calc-ratio (1980–2016–ICESIMP2016)



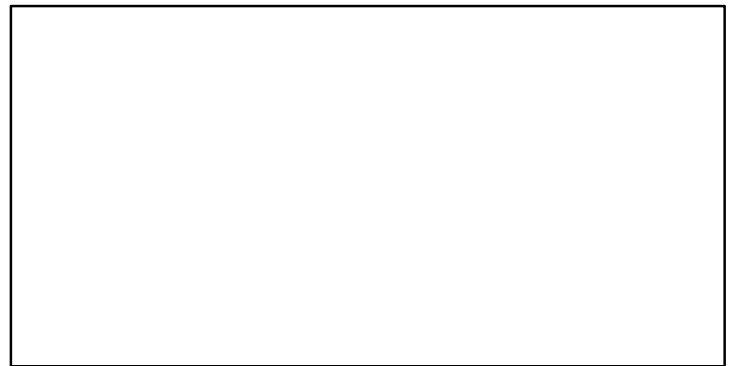
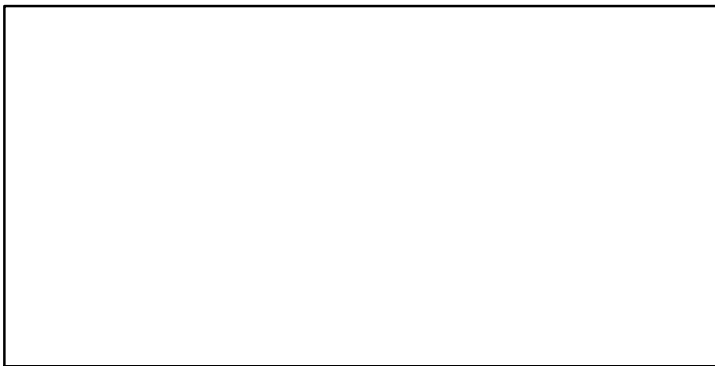
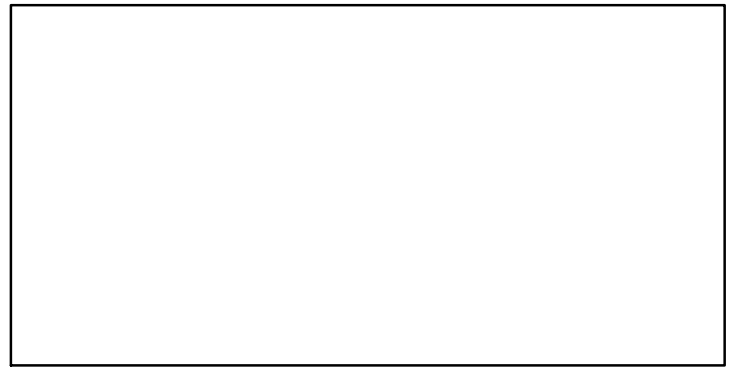
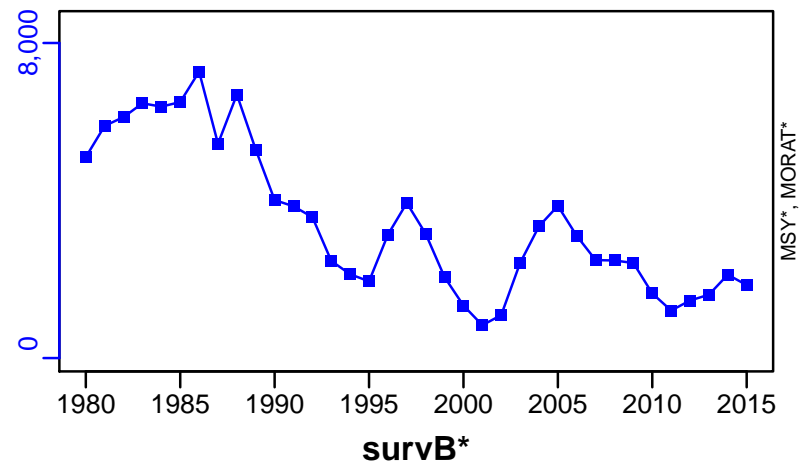
R-E00 (1980–2016–ICESIMP2016)



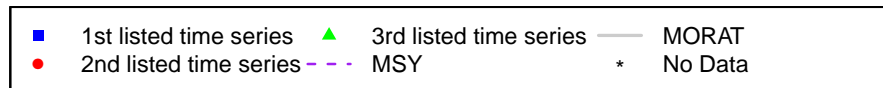
White anglerfish VIIIc-IXa [WANGLVIIIc-IXa]

TL-MT, TC*, RecC* (1980-2016-ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



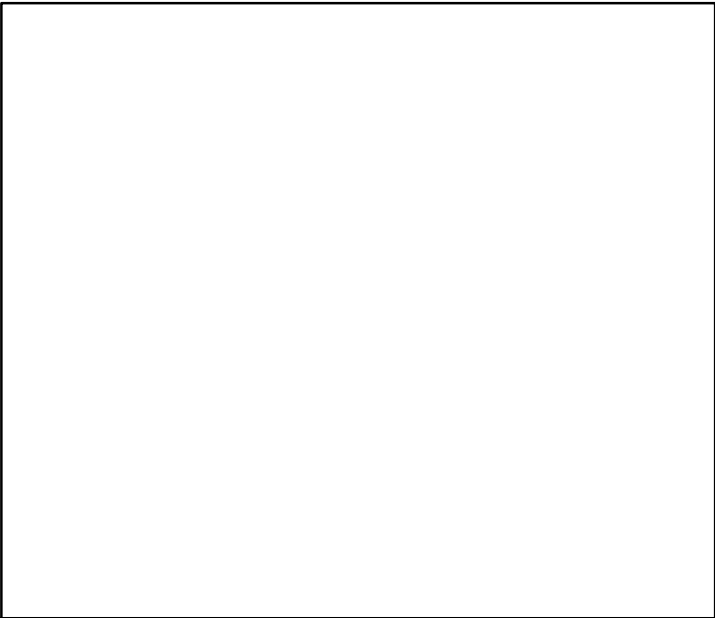
White anglerfish VII and VIIIabd [WANGLVII-VIIIabd]

Metadata	
Scientific Name	Lophius piscatorius
Current Assess ID	WGBIE-WANGLVII-VIIIabd-1986-2016-ICESIMP2016
Area	VII and VIIIabd
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2016

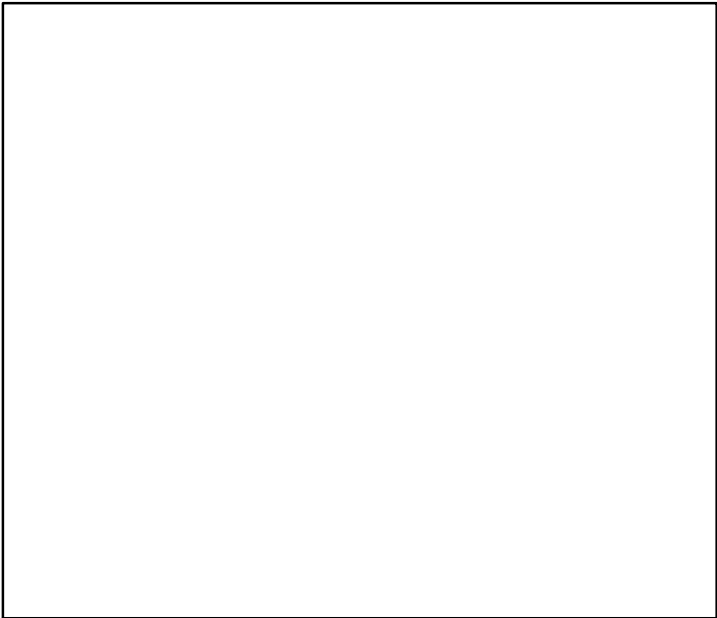
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	25,300		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

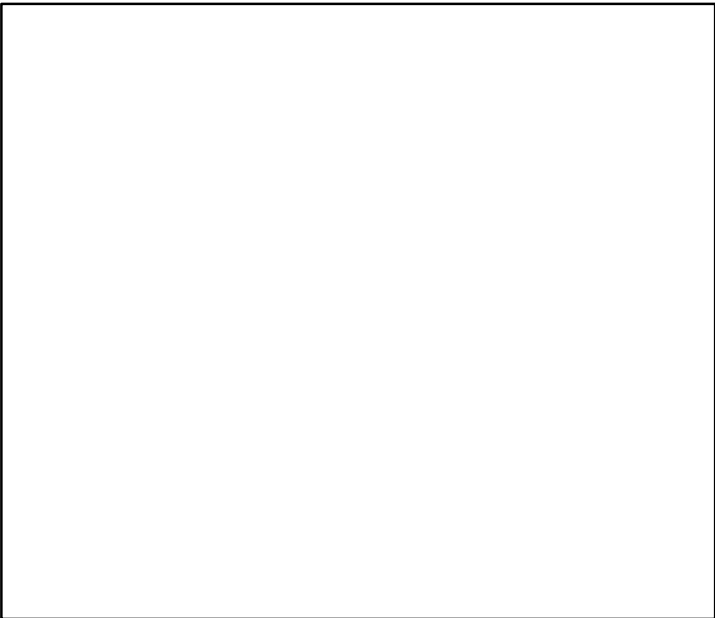
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

White anglerfish VII and VIIIabd [WANGLVII–VIIIabd]

TB*



SSB*



TN *



F*



ER*



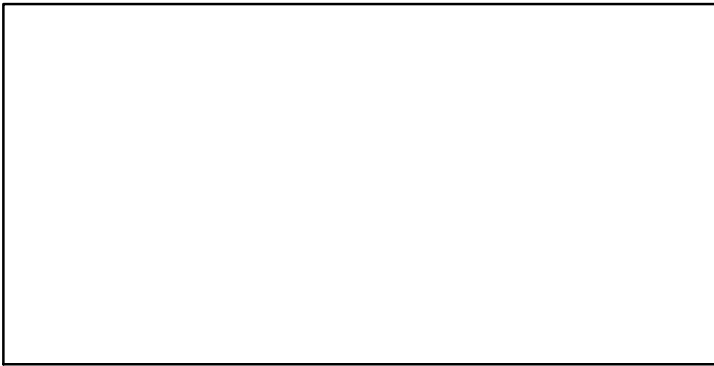
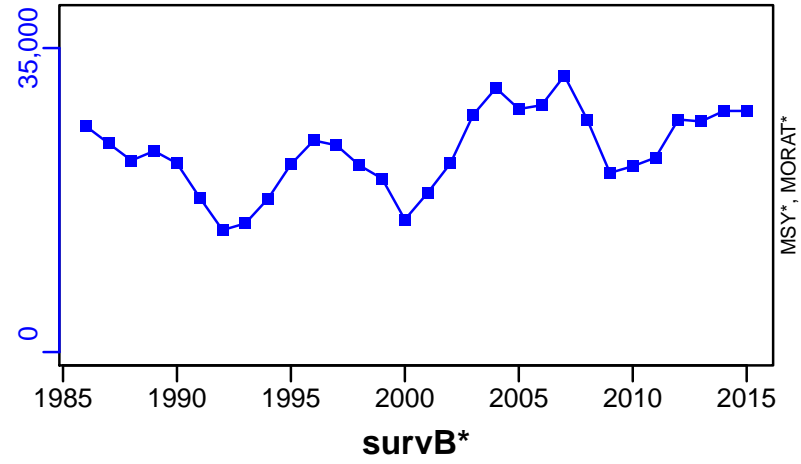
Recruits*



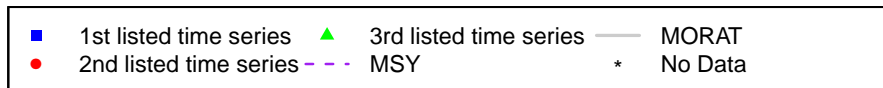
White anglerfish VII and VIIIabd [WANGLVII–VIIIabd]

TL–MT, TC*, RecC* (1986–2016–ICESIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Whiting NS-VIId [WHITNS-VIId]

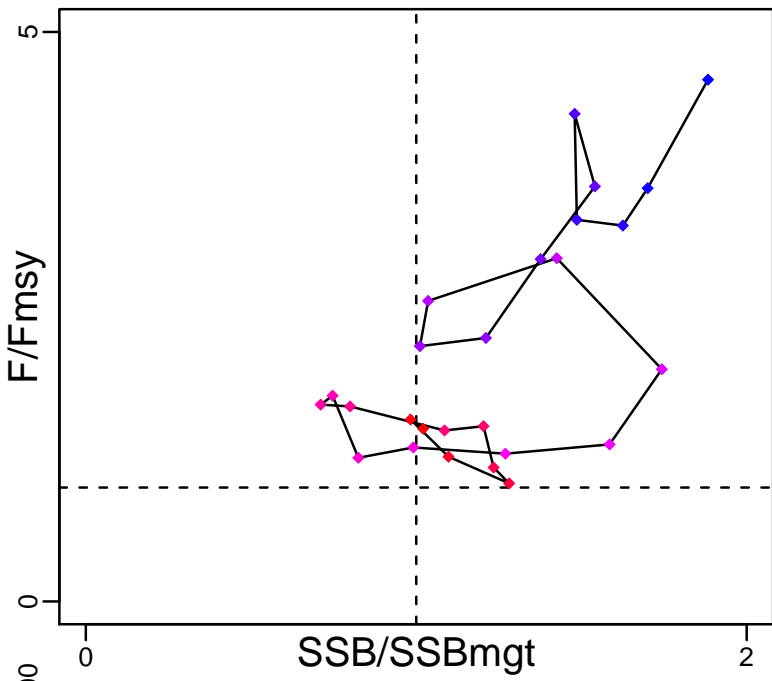
Metadata	
Scientific Name	Merlangius merlangus
Current Assess ID	WGNSSK-WHITNS-VIId-1989-2016-ICESIMP2016
Area	IV and VIId
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2012, 2013, 2014, 2015, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.15
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	241,837
Fmgt	Fmgt-1/yr	2016	0.15
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	172,741
Flim	Flim-1/yr	2016	0.39
ERlim	-	-	-

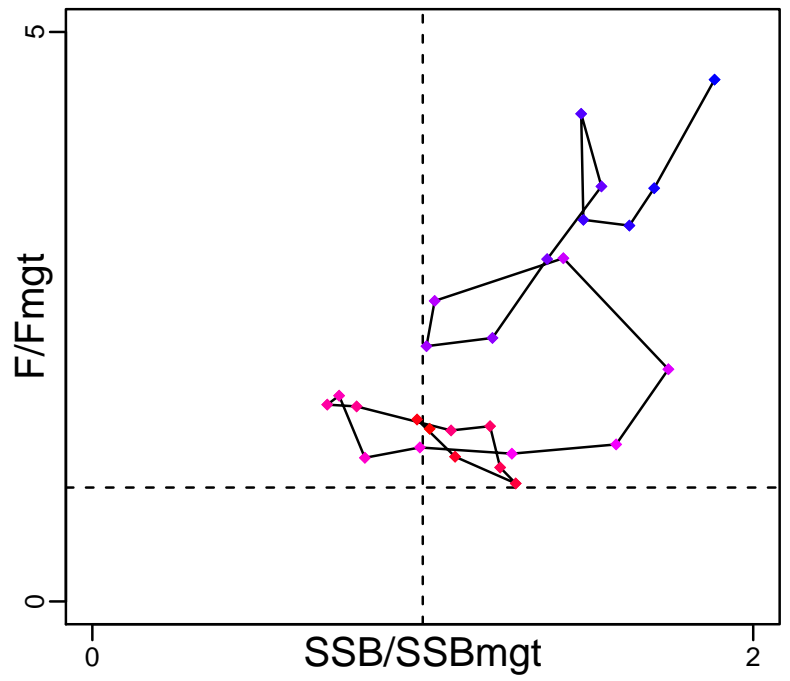
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	591,000	Both	-
SSB	SSB-MT	2016	267,000	Both	-
TN	-	-	-	-	-
R	R-E00	2016	2.9×10^9	-	1
F	F-1/yr	2016	0.227	-	2 to 6
ER	ER-calc-ratio	2016	0.068	-	-
TC	TC-MT	2016	33,200		
TL	TL-MT	2016	17,700		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.516		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.104		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.516		
ER/ERmgt	-	-	-		

Whiting NS-VIId [WHITNS-VIId]

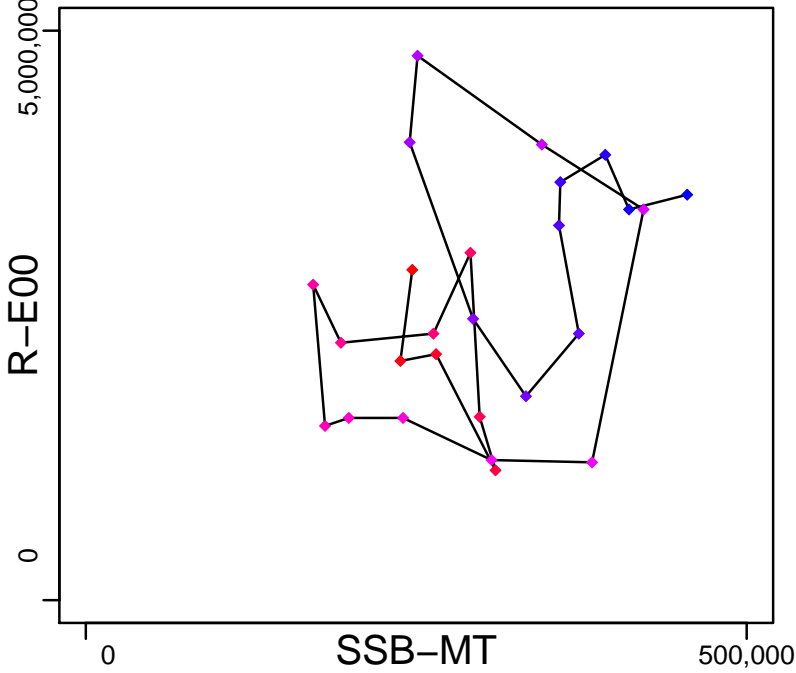
Kobe MSYpref (1989–2016–ICESIMP2016)



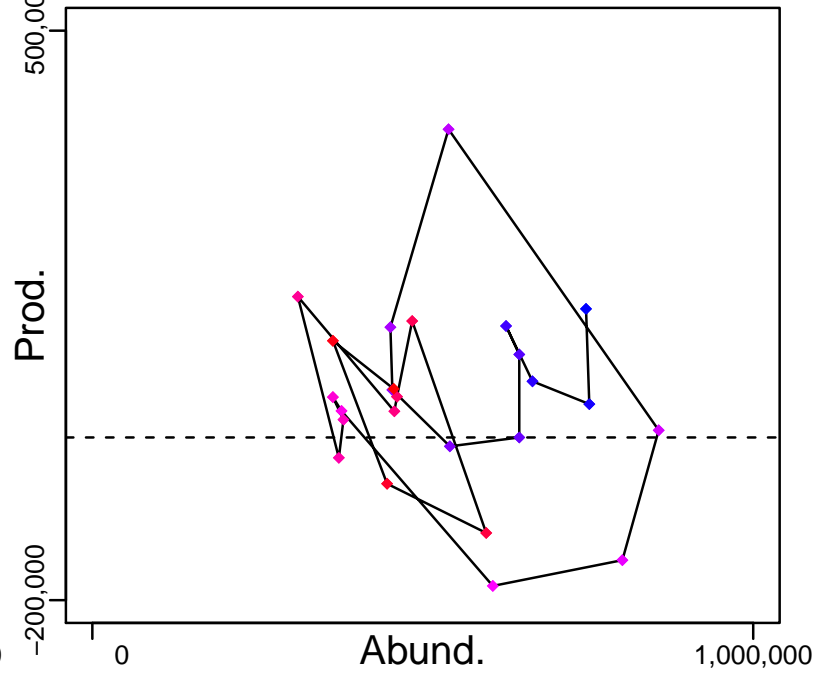
Kobe MGTpref (1989–2016–ICESIMP2016)



Spawner Recruit (1989–2016–ICESIMP2016)



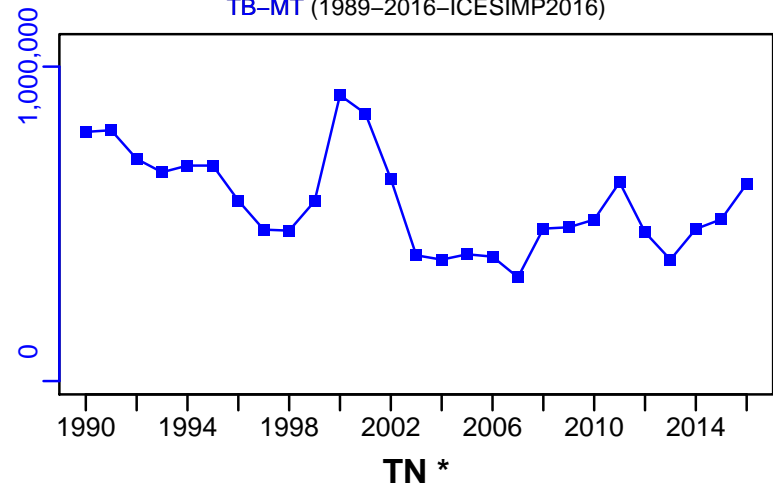
Production (1989–2016–ICESIMP2016)



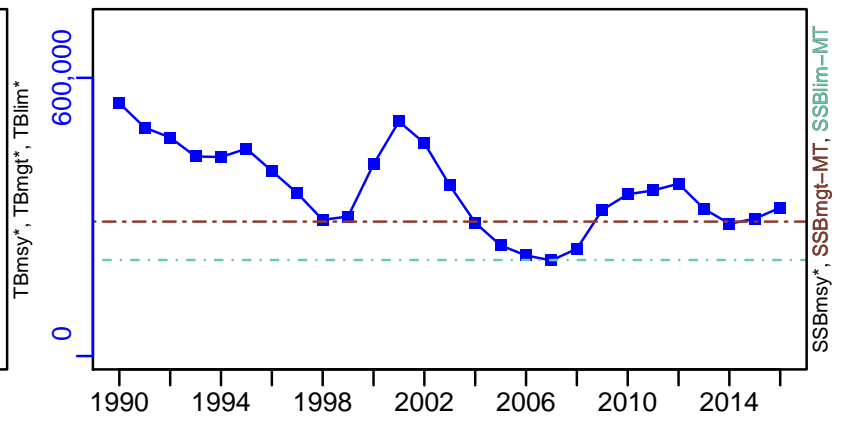
◆ Start Year ◆ End Year * No Data

Whiting NS-VIld [WHITNS-VIld]

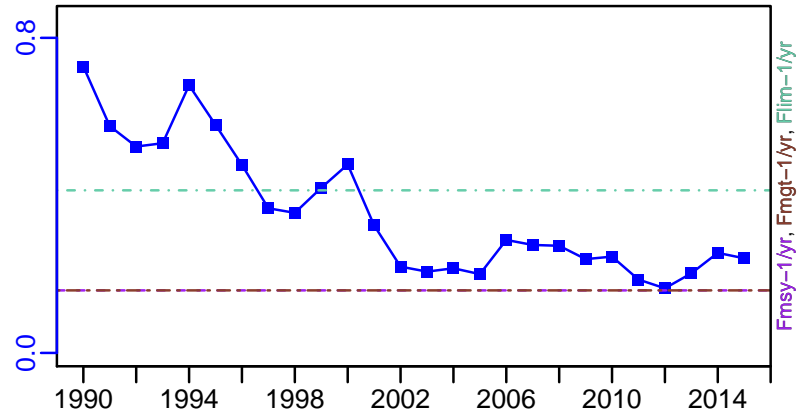
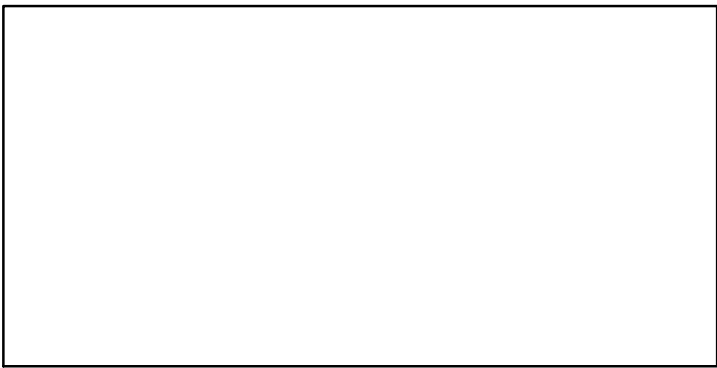
TB-MT (1989–2016–ICESIMP2016)



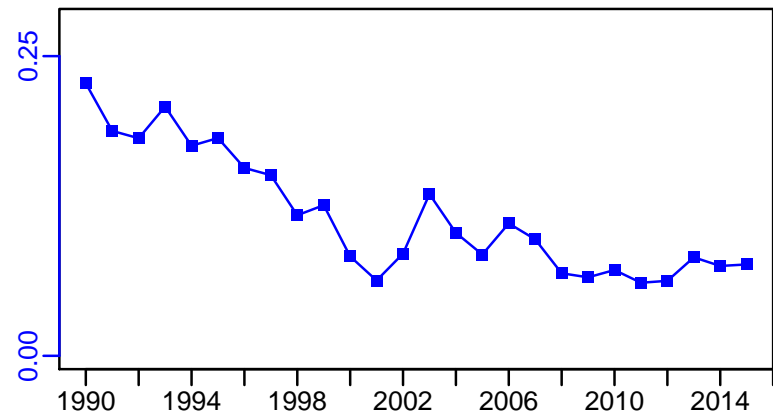
SSB-MT (1989–2016–ICESIMP2016)



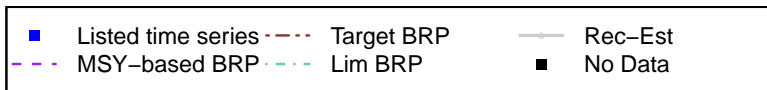
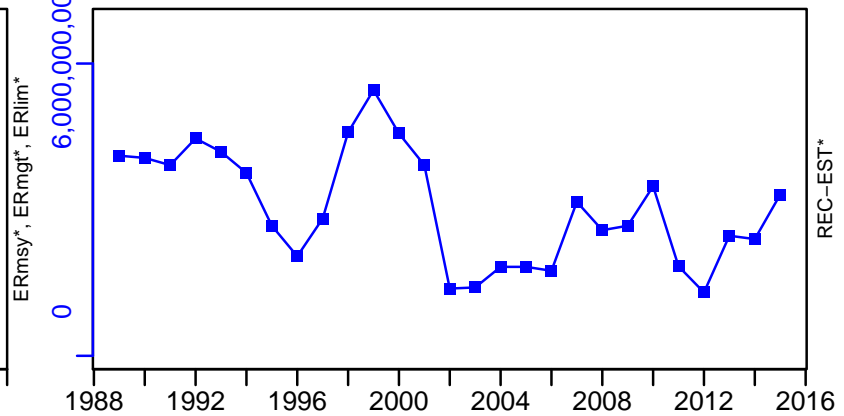
F-1/yr (1989–2016–ICESIMP2016)



ER-calc-ratio (1989–2016–ICESIMP2016)

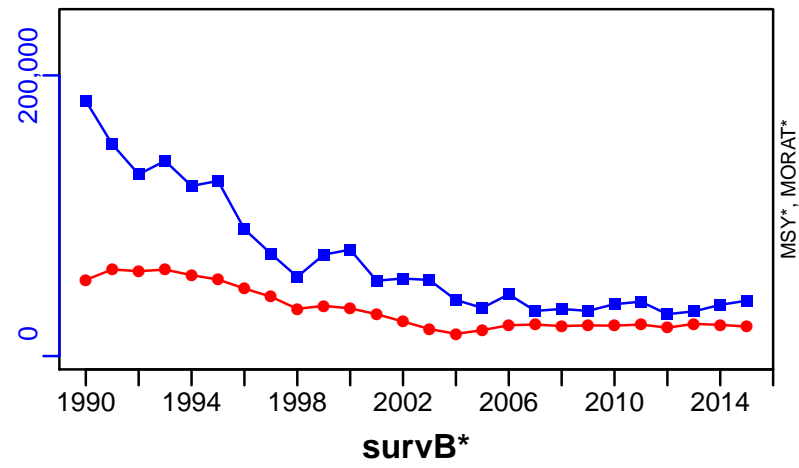


R-E00 (1989–2016–ICESIMP2016)



Whiting NS-VIId [WHITNS-VIId]

TC-MT, TL-MT, RecC* (1989-2016-ICESIMP2016)



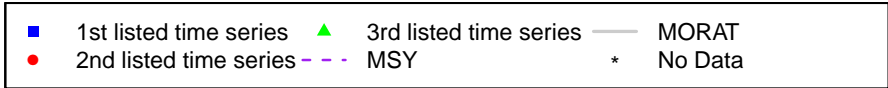
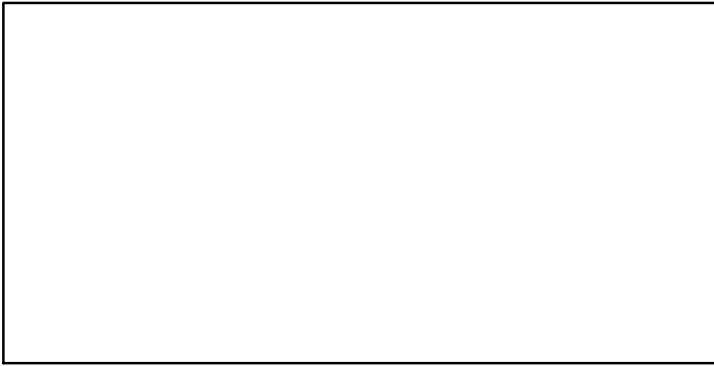
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Whiting ICES VIa [WHITVIa]

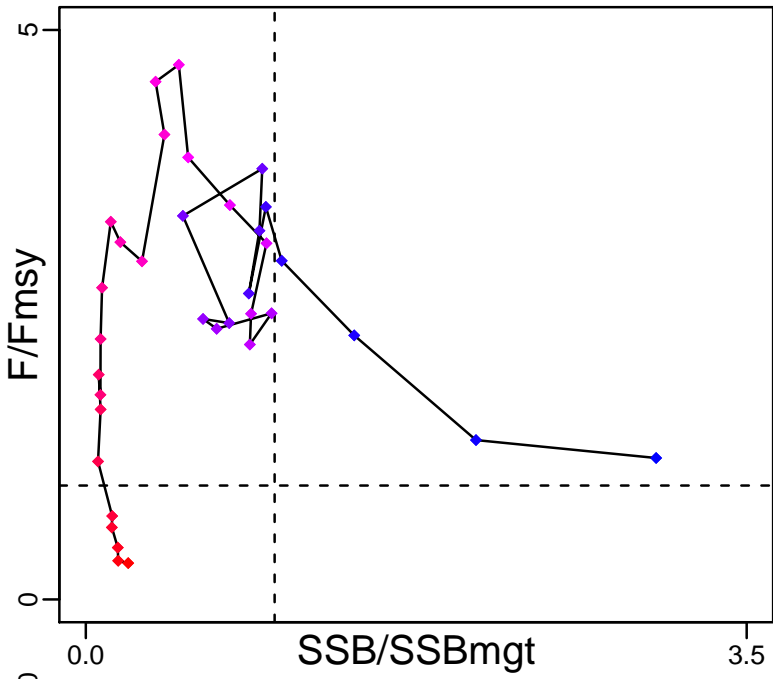
Metadata	
Scientific Name	Merlangius merlangus
Current Assess ID	WGCSE-WHITVIa-1980-2016-ICESIMP2016
Area	West of Scotland
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2013, 2014, 2015, 2016, 2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.18
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	44,632
Fmgt	Fmgt-1/yr	2016	0.18
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	31,880
Flim	Flim-1/yr	2016	0.27
ERlim	-	-	-

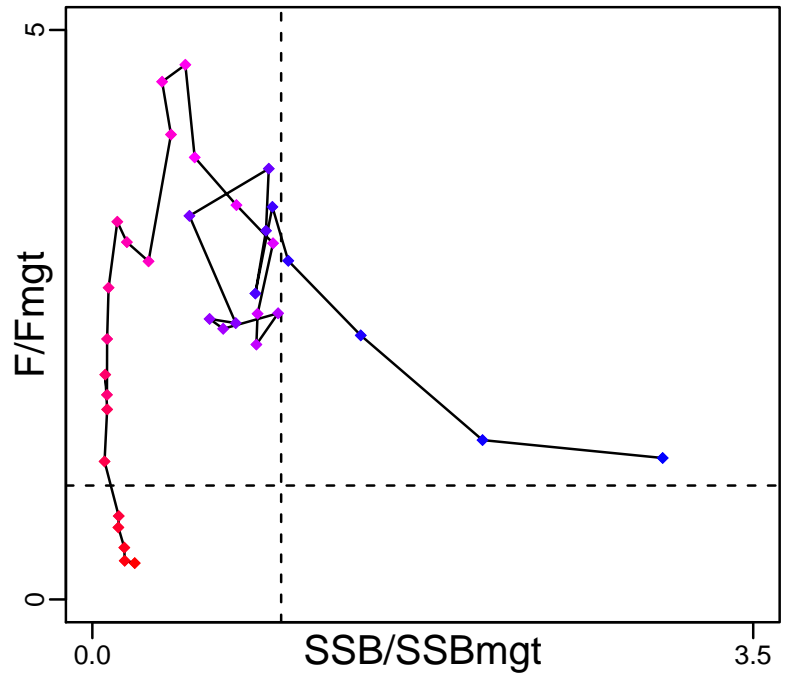
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	21,100	Both	-
SSB	SSB-MT	2016	16,200	Both	-
TN	-	-	-	-	-
R	R-E00	2016	87,900,000	-	1
F	F-1/yr	2016	0.057	-	2 to 4
ER	ER-calc-ratio	2016	0.059	-	-
TC	TC-MT	2016	1060		
TL	TL-MT	2016	227		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.319		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.364		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.319		
ER/ERmgt	-	-	-		

Whiting ICES Via [WHITVla]

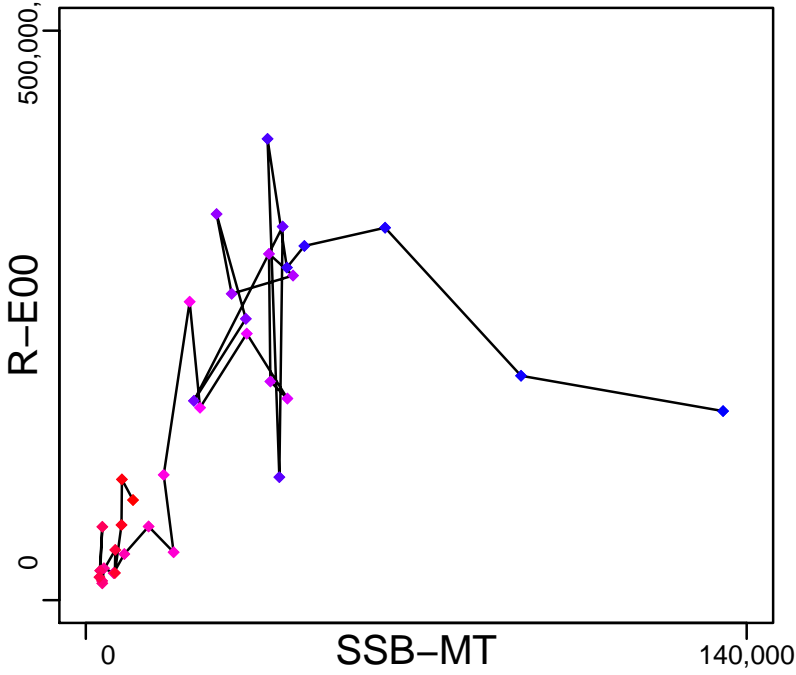
Kobe MSYpref (1980–2016–ICESIMP2016)



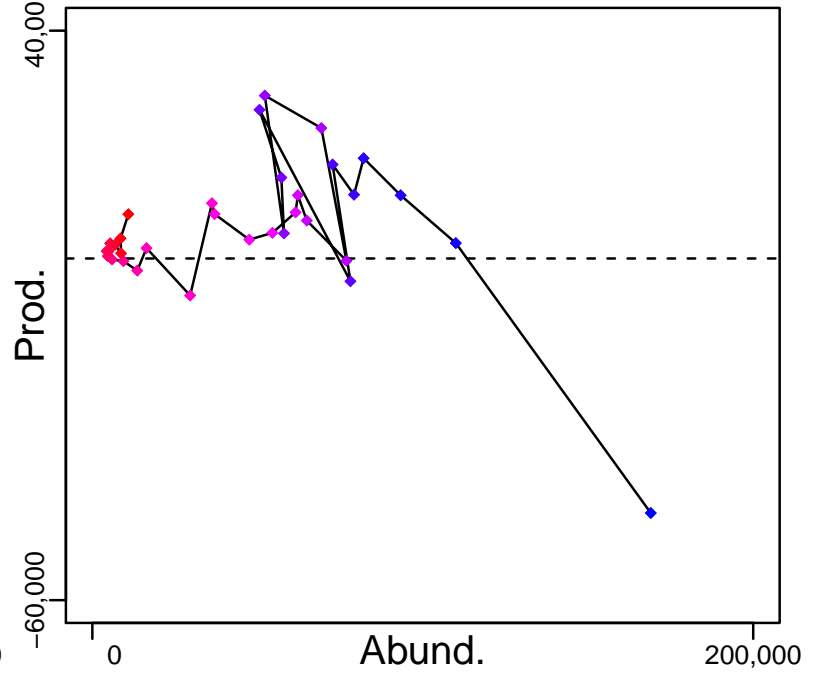
Kobe MGTpref (1980–2016–ICESIMP2016)



Spawner Recruit (1980–2016–ICESIMP2016)



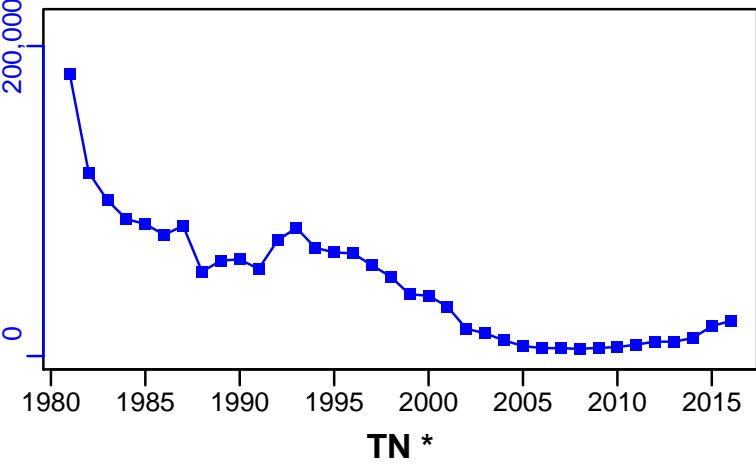
Production (1980–2016–ICESIMP2016)



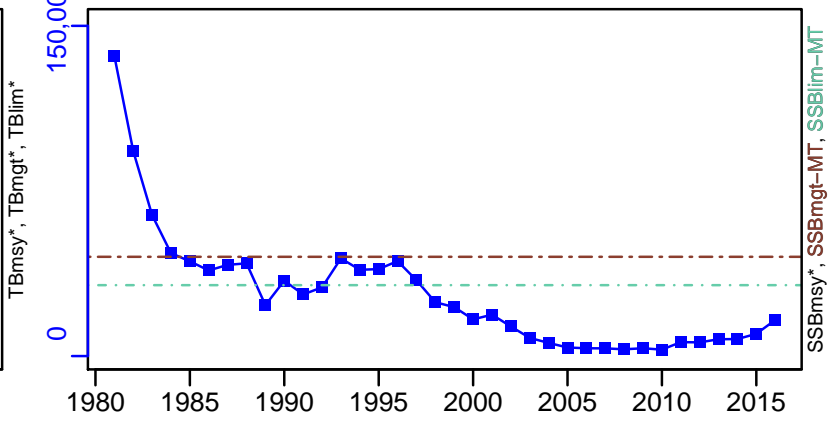
◆ Start Year ◆ End Year * No Data

Whiting ICES Via [WHITVla]

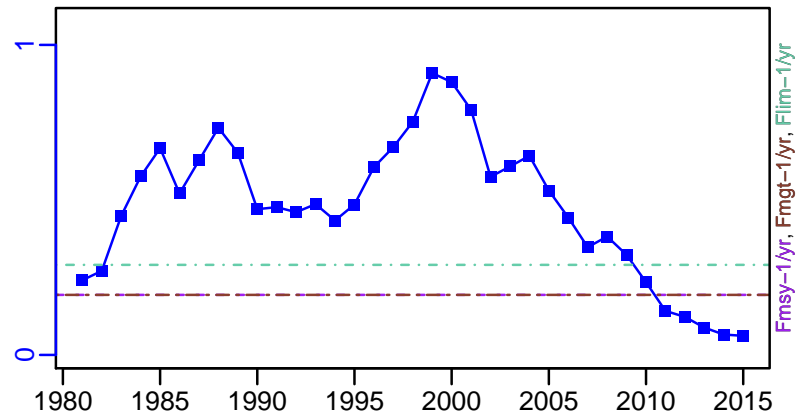
TB-MT (1980–2016–ICESIMP2016)



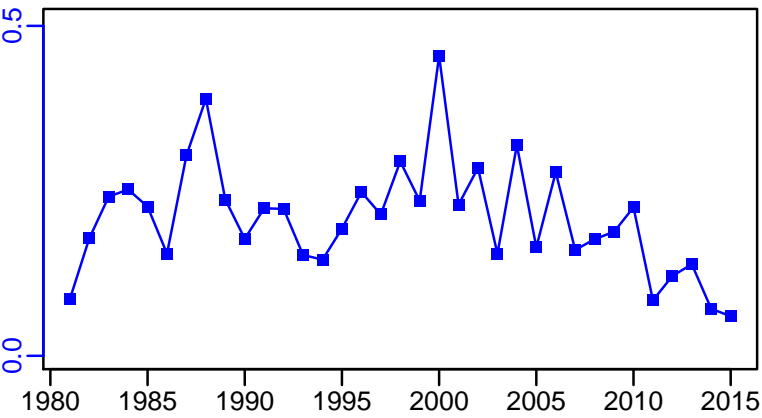
SSB-MT (1980–2016–ICESIMP2016)



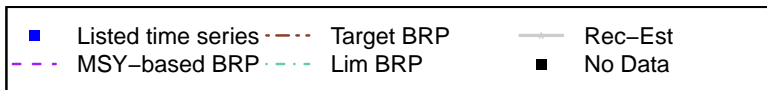
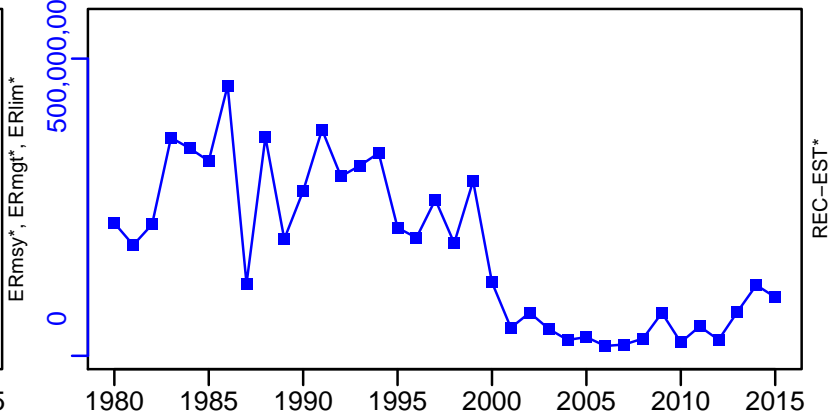
F-1/yr (1980–2016–ICESIMP2016)



ER-calc-ratio (1980–2016–ICESIMP2016)

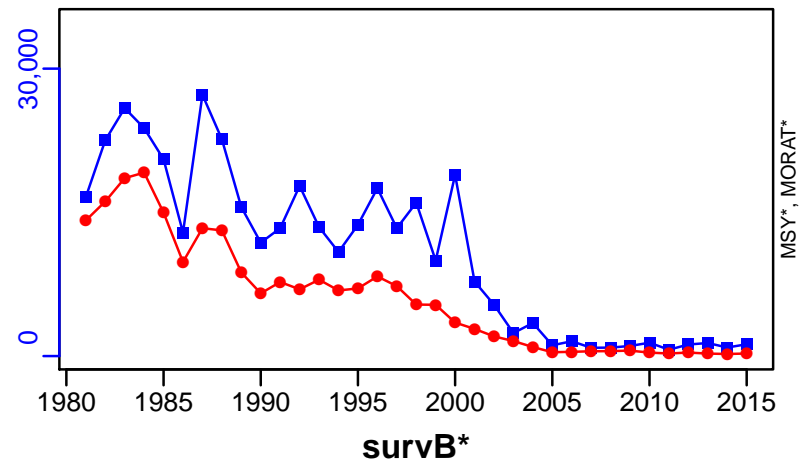


R-E00 (1980–2016–ICESIMP2016)

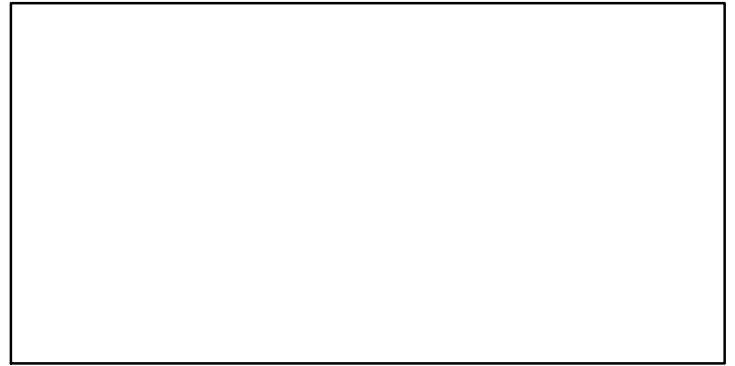


Whiting ICES Via [WHITVla]

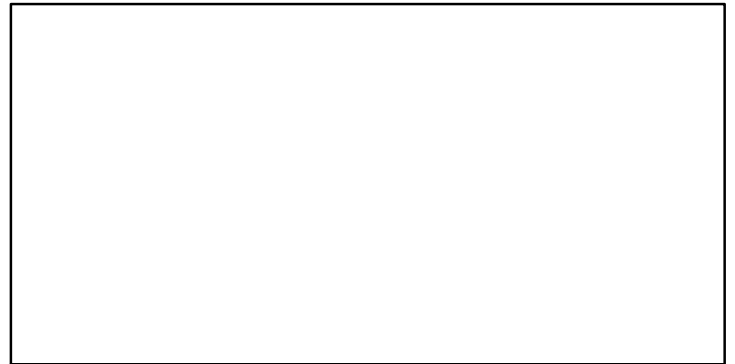
TC-MT, TL-MT, RecC* (1980–2016–ICESIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Whiting ICES Vlle-k [WHITVllek]

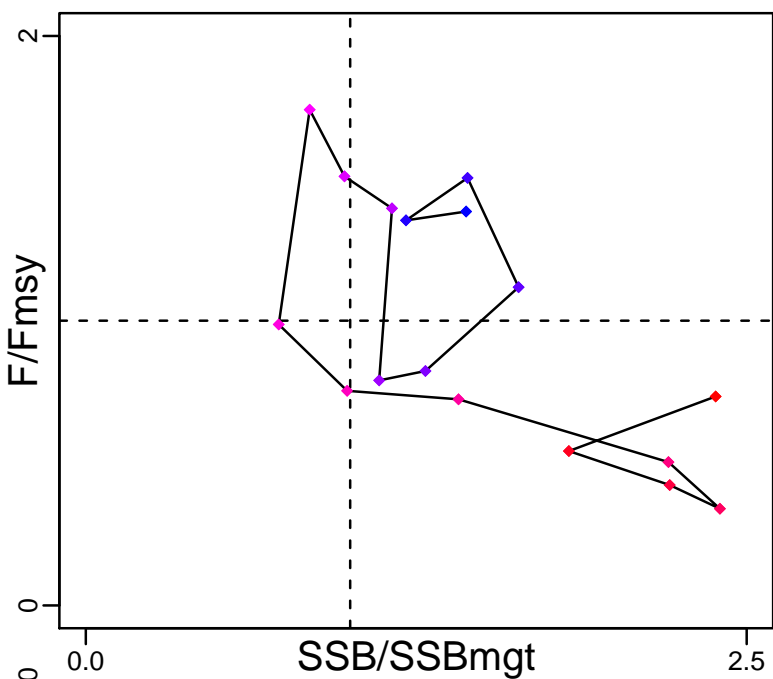
Metadata	
Scientific Name	Merlangius merlangus
Current Assess ID	WGCSE-WHITVllek-1999-2016-ICESIMP2016
Area	Celtic Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2013, 2014, 2015, 2016, 2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.52
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	35,000
Fmgt	Fmgt-1/yr	2016	0.52
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2012	21,000
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	25,000
Flim	Flim-1/yr	2016	1.12
ERlim	-	-	-

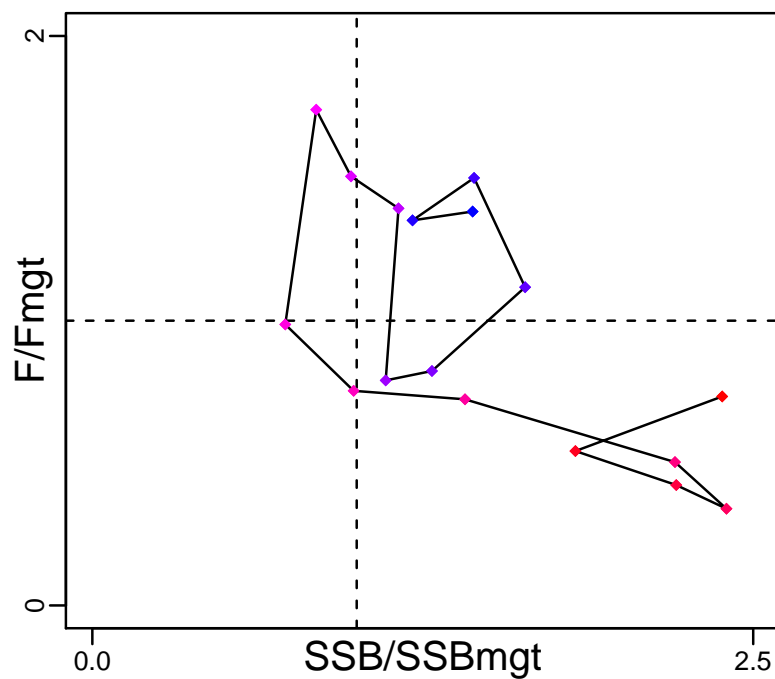
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	95,300	Both	-
SSB	SSB-MT	2016	63,900	Both	-
TN	-	-	-	-	-
R	R-E00	2016	9.81×10^8	-	0
F	F-1/yr	2016	0.382	-	2 to 5
ER	ER-calc-ratio	2016	0.202	-	-
TC	TC-MT	2016	19,300		
TL	TL-MT	2016	13,200		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.734		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.826		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.734		
ER/ERmgt	-	-	-		

Whiting ICES Vlle-k [WHITVllek]

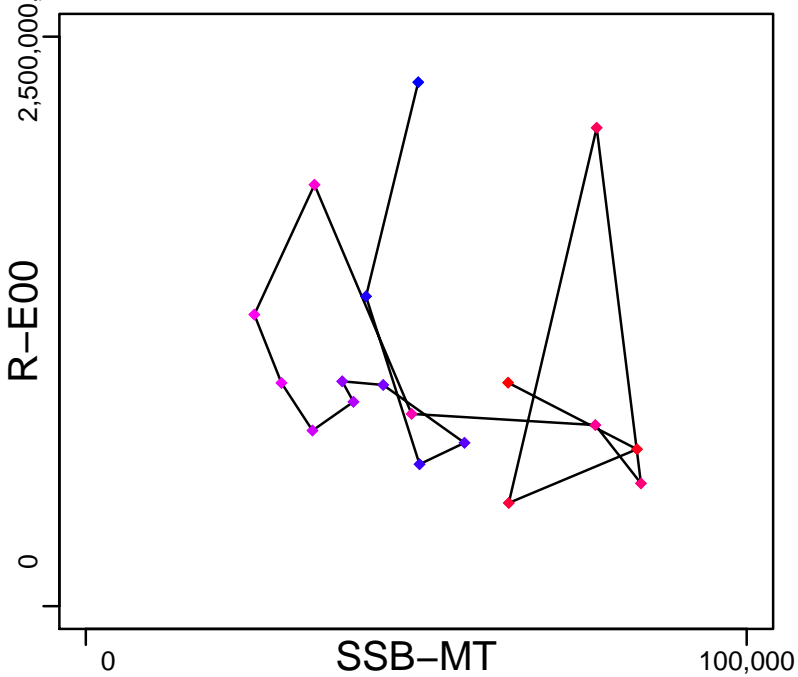
Kobe MSYpref (1999–2016–ICESIMP2016)



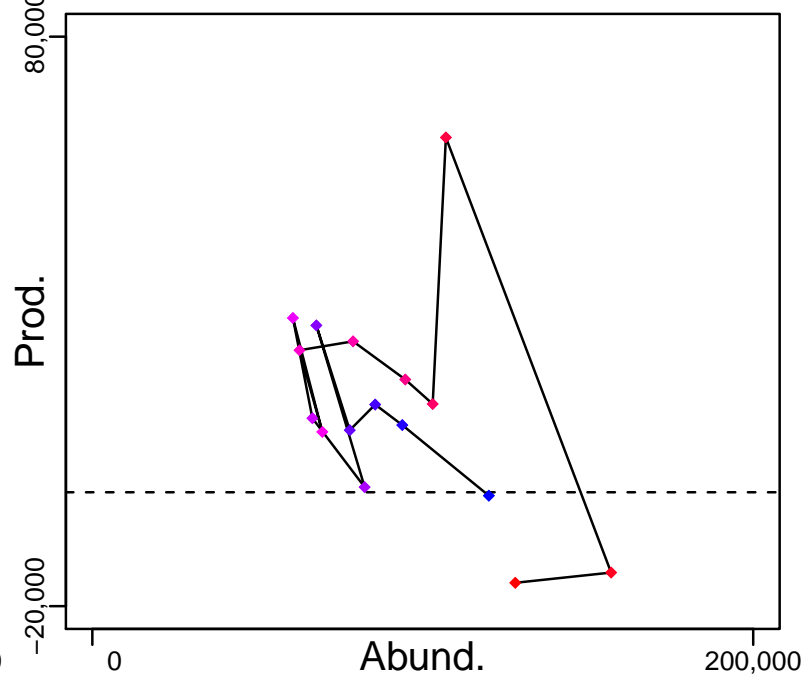
Kobe MGTpref (1999–2016–ICESIMP2016)



Spawner Recruit (1999–2016–ICESIMP2016)



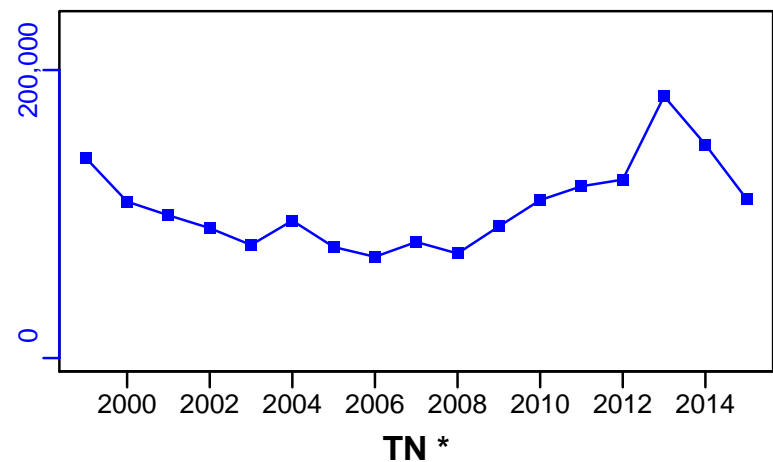
Production (1999–2016–ICESIMP2016)



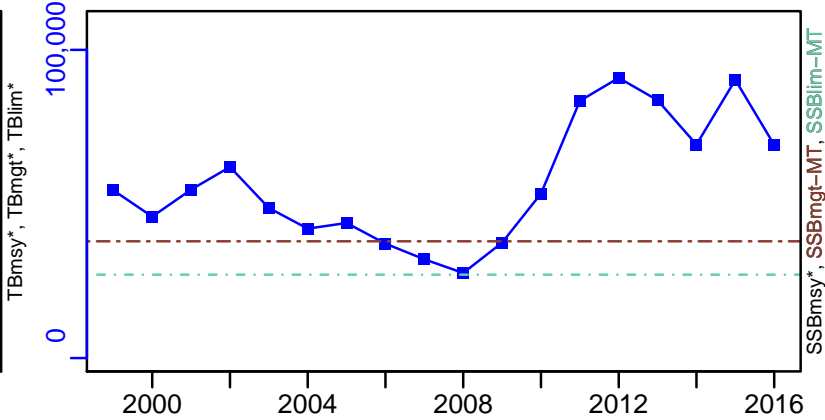
◆ Start Year ◆ End Year * No Data

Whiting ICES Vlle-k [WHITVllek]

TB-MT (1999–2016–ICESIMP2016)

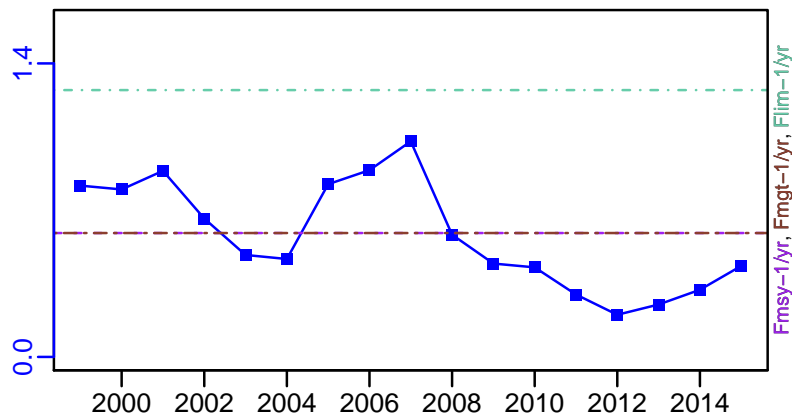


SSB-MT (1999–2016–ICESIMP2016)

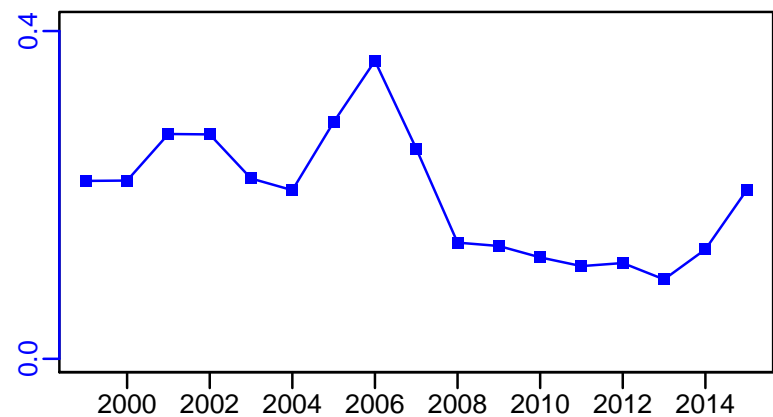


TN *

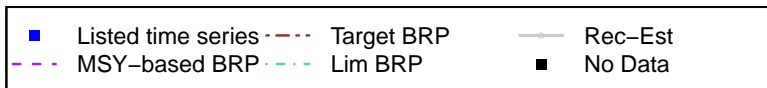
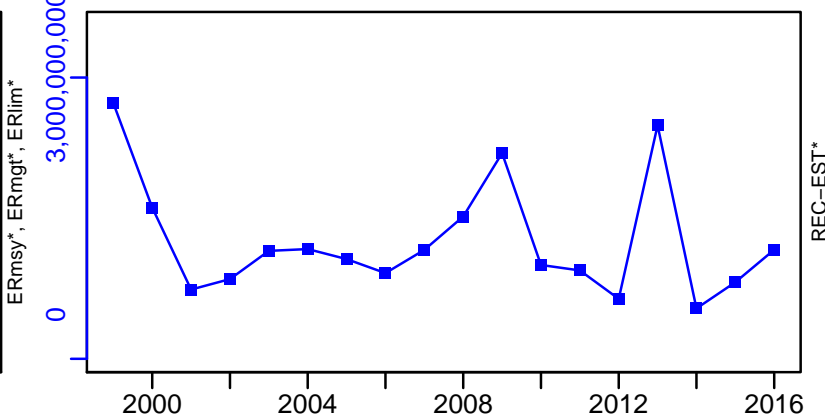
F-1/yr (1999–2016–ICESIMP2016)



ER-calc-ratio (1999–2016–ICESIMP2016)

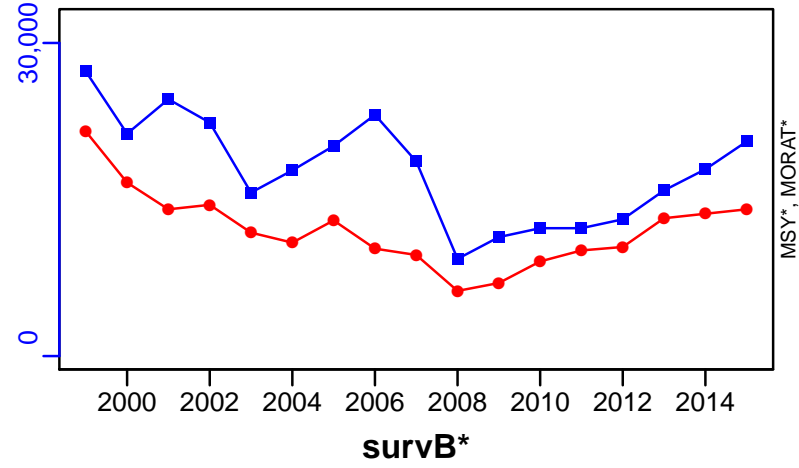


R-E00 (1999–2016–ICESIMP2016)



Whiting ICES VIIe-k [WHITVIIek]

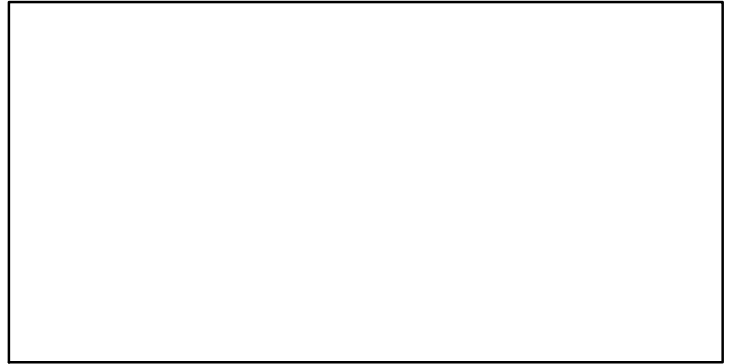
TC-MT, TL-MT, RecC* (1999–2016–ICESIMP2016)



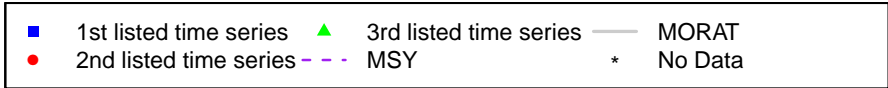
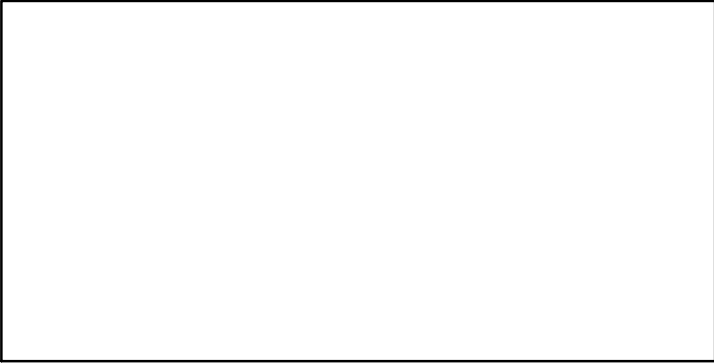
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



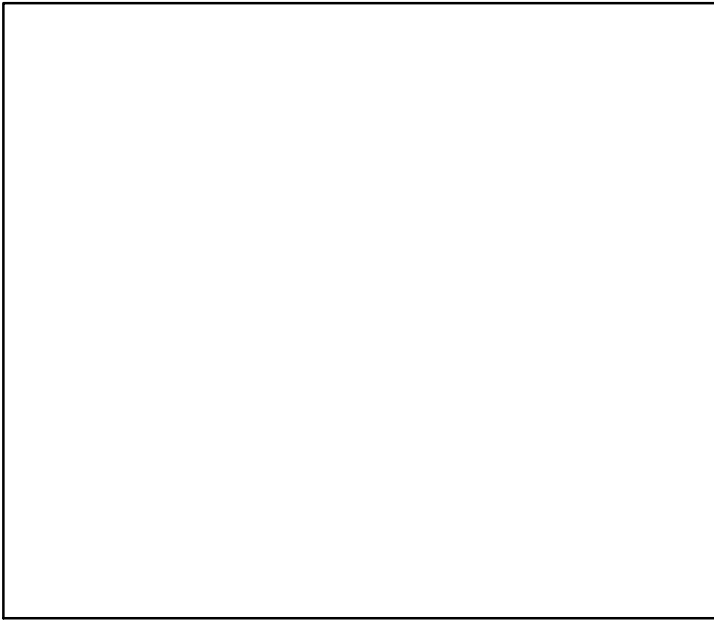
Whiting VIII and IXa [WHITVIII-IXa]

Metadata	
Scientific Name	Merlangius merlangus
Current Assess ID	WGBIE-WHITVIII-IXa-1994-2016-ICESIMP2016
Area	VIII and IXa
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2015, 2016

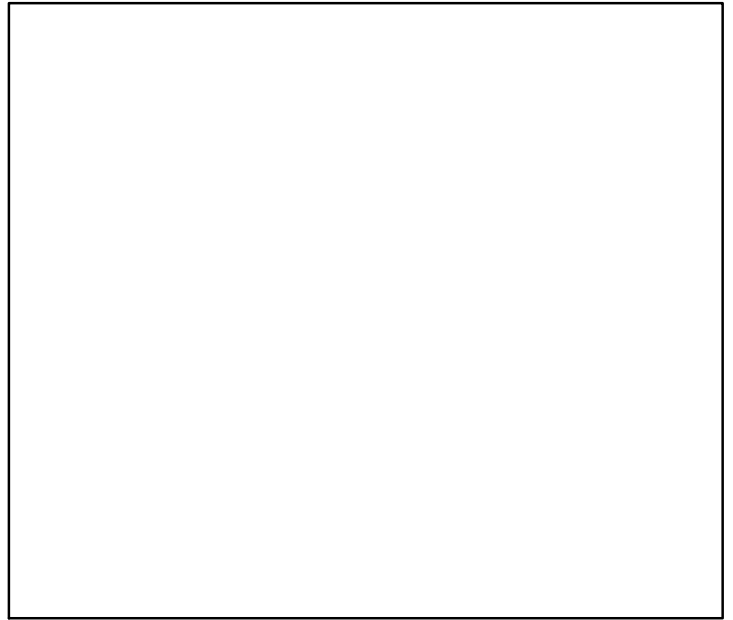
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	2200		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

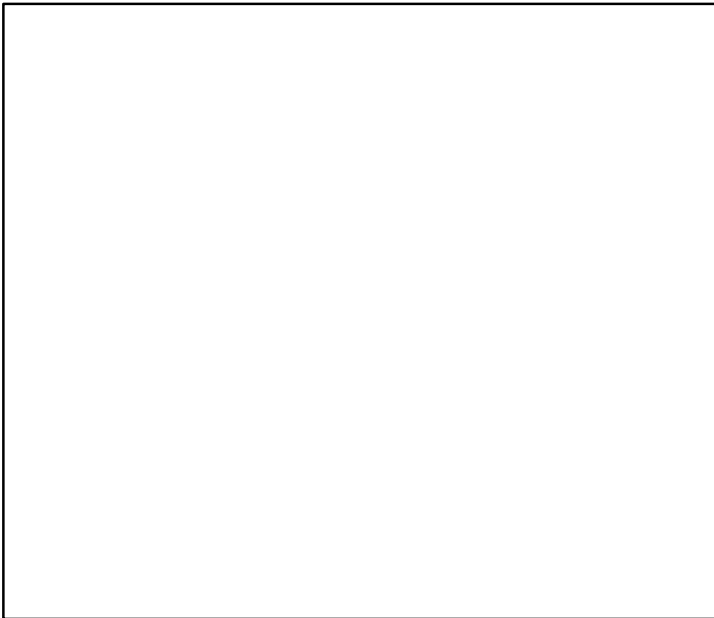
Kobe MSY*



Kobe MGT*



Spawner Recruit*



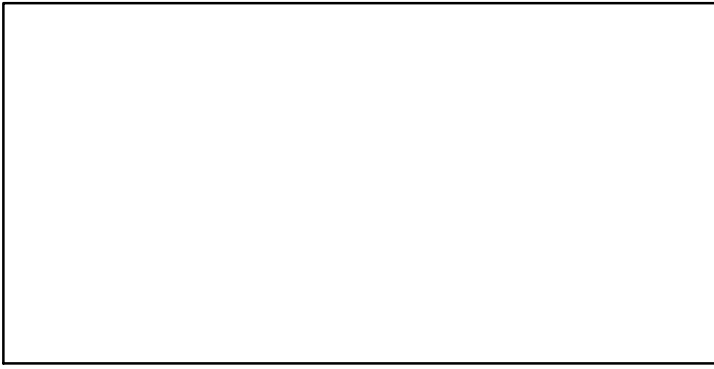
Production*



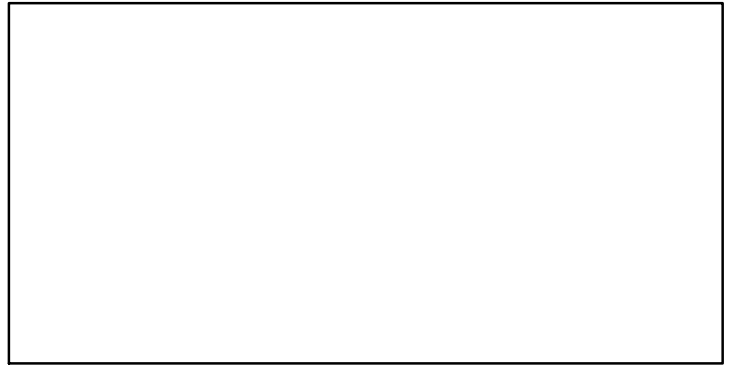
◆ Start Year ◆ End Year * No Data

Whiting VIII and IXa [WHITVIII-IXa]

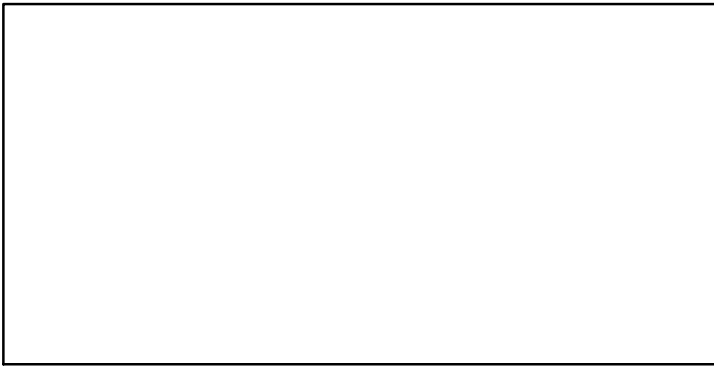
TB*



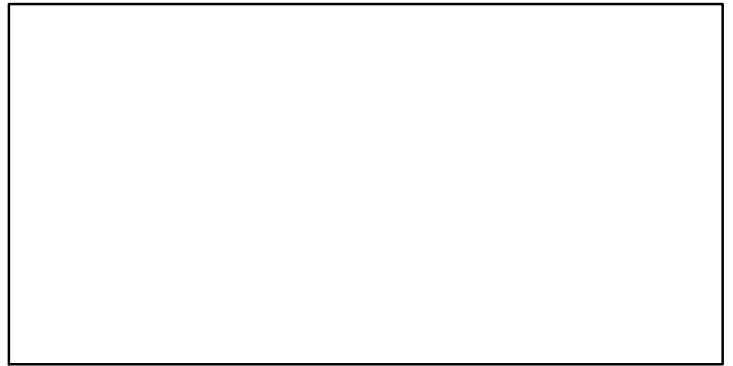
SSB*



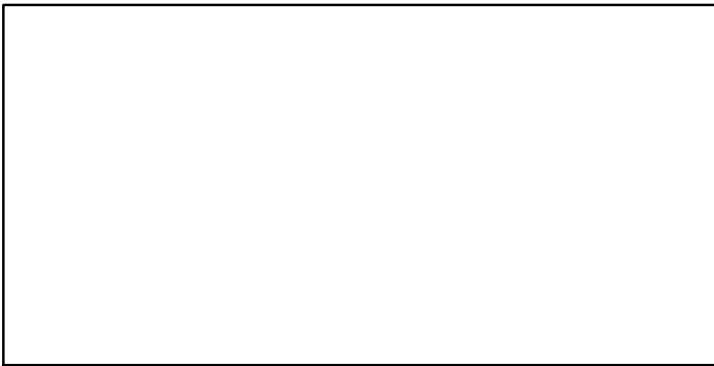
TN *



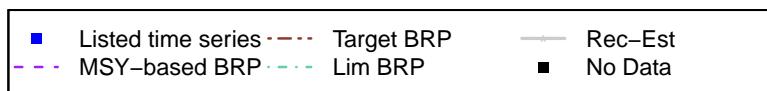
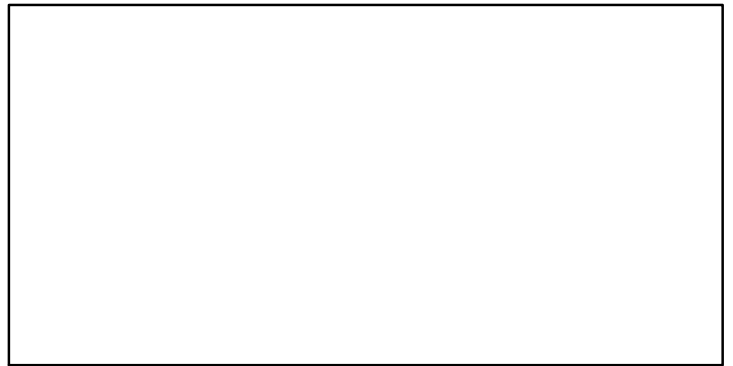
F*



ER*

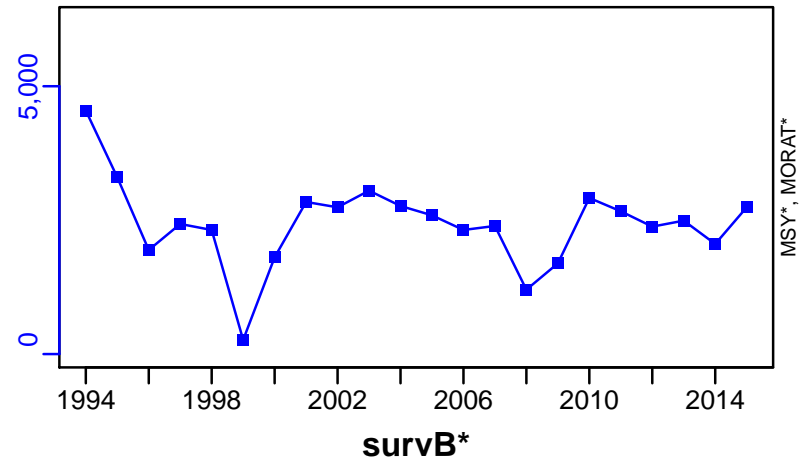


Recruits*

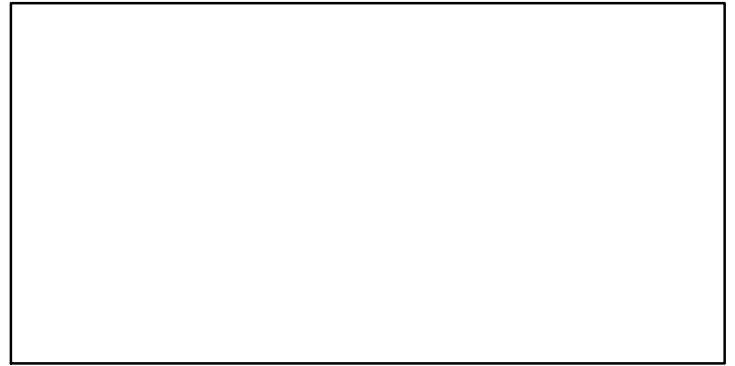


Whiting VIII and IXa [WHITVIII-IXa]

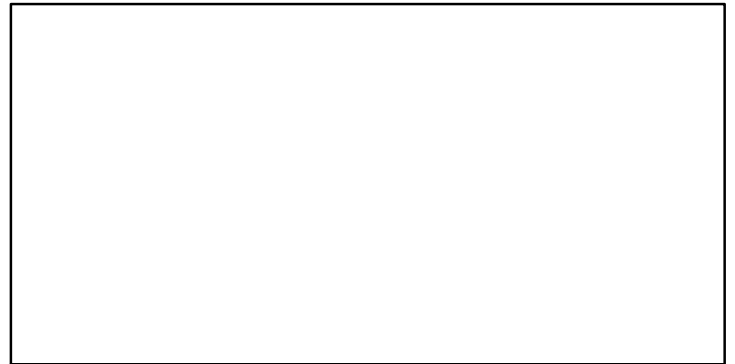
TL-MT, TC*, RecC* (1994-2016-ICESIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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