# **Mediterranean-Black Sea Stocks**

v4.66 (Nov-03-2024)

Not present Present Preferred

	Time Series Types			
Stock	B/Bmsy	U/Umsy	B/Bmgt	U/Umgt
ALBAMED [Albacore tuna Mediterranean Sea]	TB SSB	ER F	TB SSB	ER F
2. ANCHMEDGSA1 [Anchovy Northern Alboran Sea]	TB SSB	ER F	TB SSB	ER F
3. ANCHMEDGSA16 [Anchovy South of Sicily]	TB SSB	ER F	TB SSB	ER F
4. ANCHMEDGSA17-18 [Anchovy Adriatic Sea (GSA 17,18)]	TB SSB	ER F	TB SSB	ER F
5. ANCHMEDGSA19 [Anchovy Western Ionian Sea]	TB SSB	ER F	TB SSB	ER F
6. ANCHMEDGSA20 [Anchovy Eastern Ionian Sea]	TB SSB	ER F	TB SSB	ER F
7. ANCHMEDGSA22-23 [Anchovy Aegean Sea and Crete Island (GSA	TB SSB	ER F	TB SSB	ER F
22,23)]				
8. ANCHMEDGSA29 [Anchovy Black Sea]	TB SSB	ER F	TB SSB	ER F
9. ANCHMEDGSA6 [Anchovy Northern Spain]	TB SSB	ER F	TB SSB	ER F
10. ANCHMEDGSA7 [Anchovy Gulf of Lions]	TB SSB	ER F	TB SSB	ER F
11. ANCHMEDGSA9-11 [Anchovy Geographical Sub-Areas 9-11]	TB SSB	ER F	TB SSB	ER F
12. ANGLMEDGSA15-16 [Black bellied angler Malta Island and South	TB SSB	ER F	TB SSB	ER F
of Sicily (GSA 15, 16)]				
13. ANGLMEDGSA5 [Black bellied angler Balearic Island]	TB SSB	ER F	TB SSB	ER F
14. ANGLMEDGSA6 [Black bellied angler Northern Spain]	TB SSB	ER F	TB SSB	ER F
15. ANGLMEDGSA7 [Black bellied angler Gulf of Lions]	TB SSB	ER F	TB SSB	ER F
16. BWHITMEDGSA1 [Blue whiting Northern Alboran Sea]	TB SSB	ER F	TB SSB	ER F
17. BWHITMEDGSA6 [Blue whiting Northern Spain]	TB SSB	ER F	TB SSB	ER F
18. BWHITMEDGSA9 [Blue whiting Ligurian and North Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
19. CPANDMEDGSA15-16 [Common pandora Malta Island and South	TB SSB	ER F	TB SSB	ER F
of Sicily (GSA 15, 16)]				
20. CPANDMEDGSA9 [Common pandora Ligurian and North Tyrrhenian	TB SSB	ER F	TB SSB	ER F
Sea]				
21. EBASSGSA7 [European seabass Gulf of Lions]	TB SSB	ER F	TB SSB	ER F
22. GFORKBMEDGSA9 [Greater forkbeard Ligurian and North Tyrrhe-	TB SSB	ER F	TB SSB	ER F
nian Sea]				
23. GHBRMGSA7 [Gilthead seabream Gulf of Lions]	TB SSB	ER F	TB SSB	ER F
24. GRSHRIMPMEDGSA12-16 [Giant red shrimp Geographical Sub-	TB SSB	ER F	TB SSB	ER F
Areas 12-16]				
25. GRSHRIMPMEDGSA18-19 [Giant red shrimp South Adriatic Sea	TB SSB	ER F	TB SSB	ER F
and West Ionian Sea (GSA 18,19)]				
26. GRSHRIMPMEDGSA9-11 [Giant red shrimp Geographical Sub-	TB SSB	ER F	TB SSB	ER F
Areas 9-11]	TD 005		TD 005	
27. HAKEMEDGSA15-16 [Hake Malta Island and South of Sicily (GSA	TB SSB	ER F	TB SSB	ER F
15, 16)]	TD 005		TD 005	
28. HAKEMEDGSA1-7 [Hake Geographical Sub-Areas 1-7]	TB SSB	ER F	TB SSB	ER F
29. HAKEMEDGSA17-18 [Hake Adriatic Sea (GSA 17,18)]	TB SSB	ER F	TB SSB	ER F
30. HAKEMEDGSA19 [Hake Western Ionian Sea]	TB SSB	ER F	TB SSB	ER F

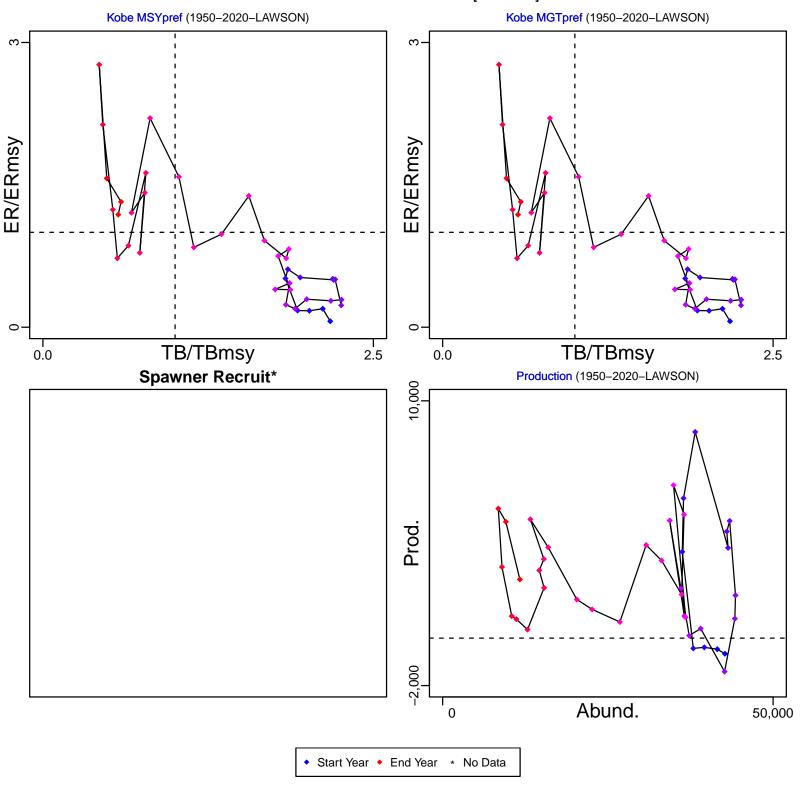
31. HAKEMEDGSA20 [Hake Eastern Ionian Sea]	TB SSB	ER F	TB SSB	ER F
32. HAKEMEDGSA22-23 [Hake Aegean Sea and Crete Island (GSA	TB SSB	ER F	TB SSB	ER F
22,23)]	10 330	LILI	10 000	LITT
33. HAKEMEDGSA7 [Hake Gulf of Lions]	TB SSB	ER F	TB SSB	ER F
34. HAKEMEDGSA7 [Hake Geographical Sub-Areas 8-11]	TB SSB	ER F	TB SSB	ER F
	TB SSB	ER F	TB SSB	ER F
35. HMACKMEDGSA9-11 [Horse mackerel Geographical Sub-Areas 9-	10 330	ER F	10 330	ER F
11] 36. MHMACKMEDGSA29 [Mediterranean horse mackerel Black Sea]	TB SSB	ER F	TB SSB	ER F
37. NEPHMEDGSA29 [Mediterranean noise mackerer black sea]	TB SSB	ER F	TB SSB	ER F
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38. NEPHMEDGSA11 [Norway lobster Sardinia]	TB SSB	ER F	TB SSB	ER F
39. NEPHMEDGSA15-16 [Norway lobster Malta Island and South of	TB SSB	ER F	TB SSB	ER F
Sicily (GSA 15, 16)]	TB SSB	ER F	TB SSB	ER F
40. NEPHMEDGSA17-18 [Norway lobster Adriatic Sea (GSA 17,18)]	TB SSB	ER F	TB SSB	
41. NEPHMEDGSA5 [Norway lobster Balearic Island]				ER F
42. NEPHMEDGSA6 [Norway lobster Northern Spain]	TB SSB	ER F	TB SSB	ER F
43. NEPHMEDGSA9 [Norway lobster Ligurian and North Tyrrhenian	TB SSB	ER F	TB SSB	ER F
Sea]	TD OOD		TD OOD	
44. PICAMEDGSA25 [Picarel Cyprus Island]	TB SSB	ER F	TB SSB	ER F
45. PRCODMEDGSA9 [Poor cod Ligurian and North Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
46. PSHRMPMEDGSA6 [Deep water rose shrimp Northern Spain]	TB SSB	ER F	TB SSB	ER F
47. RBRMMEDGSA1-3 [Red seabream Alboran Island Sea (GSA 1,3)]	TB SSB	ER F	TB SSB	ER F
48. RDSHRMPMEDGSA1 [Red shrimp Northern Alboran Sea]	TB SSB	ER F	TB SSB	ER F
49. RDSHRMPMEDGSA15-16 [Red shrimp Malta Island and South of	TB SSB	ER F	TB SSB	ER F
Sicily (GSA 15, 16)]				
50. RDSHRMPMEDGSA6-7 [Red shrimp Geographical Sub-Areas 6-7]	TB SSB	ER F	TB SSB	ER F
51. RDSHRMPMEDGSA9-11 [Red shrimp Geographical Sub-Areas 9-	TB SSB	ER F	TB SSB	ER F
11]				
52. RMULLMEDGSA1 [Red mullet Northern Alboran Sea]	TB SSB	ER F	TB SSB	ER F
53. RMULLMEDGSA10 [Red mullet South Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
54. RMULLMEDGSA11 [Red mullet Sardinia]	TB SSB	ER F	TB SSB	ER F
55. RMULLMEDGSA15-16 [Red mullet Malta Island and South of Sicily	TB SSB	ER F	TB SSB	ER F
(GSA 15, 16)]				
56. RMULLMEDGSA17-18 [Red mullet Adriatic Sea (GSA 17,18)]	TB SSB	ER F	TB SSB	ER F
57. RMULLMEDGSA19 [Red mullet Western Ionian Sea]	TB SSB	ER F	TB SSB	ER F
58. RMULLMEDGSA22 [Red mullet Aegean Sea]	TB SSB	ER F	TB SSB	ER F
59. RMULLMEDGSA25 [Red mullet Cyprus Island]	TB SSB	ER F	TB SSB	ER F
60. RMULLMEDGSA29 [Red mullet Black Sea]	TB SSB	ER F	TB SSB	ER F
61. RMULLMEDGSA5 [Red mullet Balearic Island]	TB SSB	ER F	TB SSB	ER F
62. RMULLMEDGSA6 [Red mullet Northern Spain]	TB SSB	ER F	TB SSB	ER F
63. RMULLMEDGSA7 [Red mullet Gulf of Lions]	TB SSB	ER F	TB SSB	ER F
64. RMULLMEDGSA9 [Red mullet Ligurian and North Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
65. RSHRMPMEDGSA1 [Deep water rose shrimp Northern Alboran	TB SSB	ER F	TB SSB	ER F
Sea]				
66. RSHRMPMEDGSA12-16 [Deep water rose shrimp Geographical	TB SSB	ER F	TB SSB	ER F
Sub-Areas 12-16]				
67. RSHRMPMEDGSA17-19 [Deep water rose shrimp Geographical	TB SSB	ER F	TB SSB	ER F
Sub-Areas 17-19]				
68. RSHRMPMEDGSA22-23 [Deep water rose shrimp Aegean Sea and	TB SSB	ER F	TB SSB	ER F
Crete Island (GSA 22,23)]				
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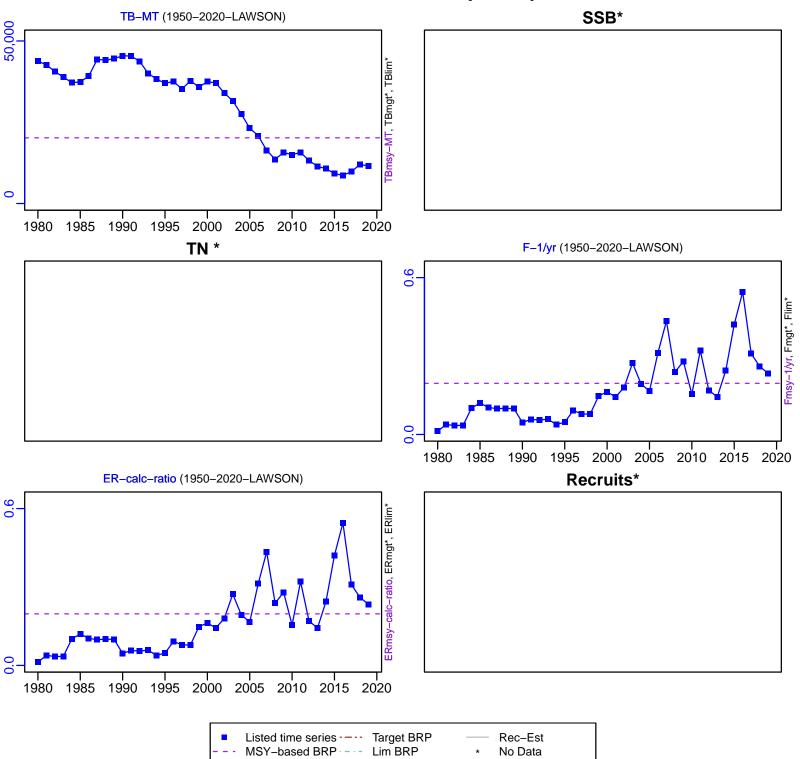
69. RSHRMPMEDGSA5 [Deep water rose shrimp Balearic Island]	TB SSB	ER F	TB SSB	ER F
70. RSHRMPMEDGSA9-11 [Deep water rose shrimp Geographical Sub-	TB SSB	ER F	TB SSB	ER F
Areas 9-11]				
71. SARDMEDGSA1 [European pilchard Northern Alboran Sea]	TB SSB	ER F	TB SSB	ER F
72. SARDMEDGSA16 [Sardine South of Sicily]	TB SSB	ER F	TB SSB	ER F
73. SARDMEDGSA17-18 [Sardine Adriatic Sea (GSA 17,18)]	TB SSB	ER F	TB SSB	ER F
74. SARDMEDGSA20 [European pilchard Eastern Ionian Sea]	TB SSB	ER F	TB SSB	ER F
75. SARDMEDGSA22-23 [European pilchard Aegean Sea and Crete	TB SSB	ER F	TB SSB	ER F
Island (GSA 22,23)]				
76. SARDMEDGSA6 [European pilchard Northern Spain]	TB SSB	ER F	TB SSB	ER F
77. SARDMEDGSA7 [Sardine Gulf of Lions]	TB SSB	ER F	TB SSB	ER F
78. SARDMEDGSA9 [European pilchard Ligurian and North Tyrrhenian	TB SSB	ER F	TB SSB	ER F
Sea]				
79. SDOGBLKGSA29 [Spiny dogfish Black Sea]	TB SSB	ER F	TB SSB	ER F
80. SMSHRMPMEDGSA10 [Spottail mantis shrimp South Tyrrhenian	TB SSB	ER F	TB SSB	ER F
Sea]				
81. SMSHRMPMEDGSA17-18 [Spottail mantis shrimp Adriatic Sea	TB SSB	ER F	TB SSB	ER F
(GSA 17,18)]				
82. SMSHRMPMEDGSA9 [Spottail mantis shrimp Ligurian and North	TB SSB	ER F	TB SSB	ER F
Tyrrhenian Sea]				
83. SMULLMEDGSA15-16 [Surmullet Malta Island and South of Sicily	TB SSB	ER F	TB SSB	ER F
(GSA 15, 16)]	<b>TD</b> 000		<b>TD</b> 000	
84. SMULLMEDGSA5 [Surmullet Balearic Island]	TB SSB	ER F	TB SSB	ER F
85. SMULLMEDGSA9 [Surmullet Ligurian and North Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
86. SOLMEDGSA17 [Common sole Northern Adriatic Sea]	TB SSB	ER F	TB SSB	ER F
87. SOLMEDGSA7 [Common sole Gulf of Lions]	TB SSB	ER F	TB SSB	ER F
88. SPRBLKGSA29 [Sprat Black Sea]	TB SSB	ER F	TB SSB	ER F
89. SWORDMED [Swordfish Mediterranean Sea]	TB SSB	ER F	TB SSB	ER F
90. TBSKAMEDGSA29 [Thornback skate Black Sea]	TB SSB	ER F	TB SSB	ER F
91. TURBLKGSA29 [Turbot Black Sea]	TB SSB	ER F	TB SSB	ER F
92. WANGLGSA1-7 [White anglerfish Geographical Sub-Areas 1-7]	TB SSB	ER F	TB SSB	ER F
93. WHITMEDGSA29 [Whiting Black Sea]	TB SSB	ER F	TB SSB	ER F

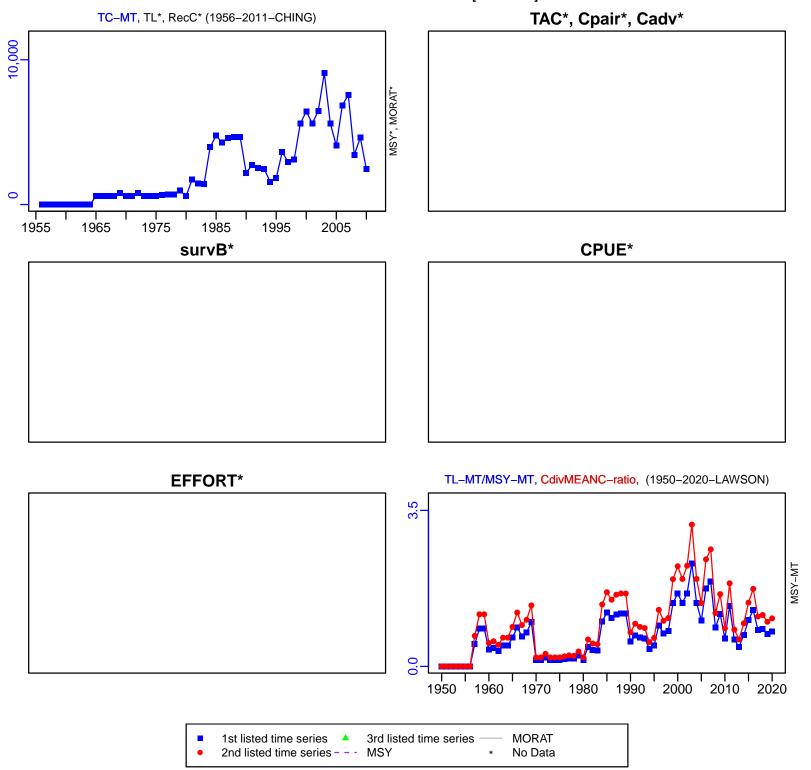
Metadata				
Scientific Name	Thunnus alalunga			
Current Assess ID	ICCAT-ALBAMED-1950-2020-LAWSON			
Area Mediterranean Sea				
Management Authority	International Commission for the Conservation of Atlantic Tunas			
Assessor	International Commission for the Conservation of Atlantic Tunas			
Asmts in RAM	2020, 2016, 2011			

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-MT	2020	19,703		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2020	0.184		
ERmsy	ERmsy-calc-ratio	2020	0.185		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	TB0-MT	2011	322,000		
SSB0	-	-	-		
MSY	MSY-MT	2020	3654		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2020	11,292	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2020	0.22	-	-
ER	ER-calc-ratio	2020	0.22	-	-
TC	TC-MT	2011	2120		
TL	TL-MT	2020	2675		
TB/TBmsy	TBdivTBmsy-dimensionless	2020	0.57		
SSB/SSBmsy	-	-	-		
F/Fmsy	FdivFmsy-dimensionless	2020	1.213		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2020	1.186		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



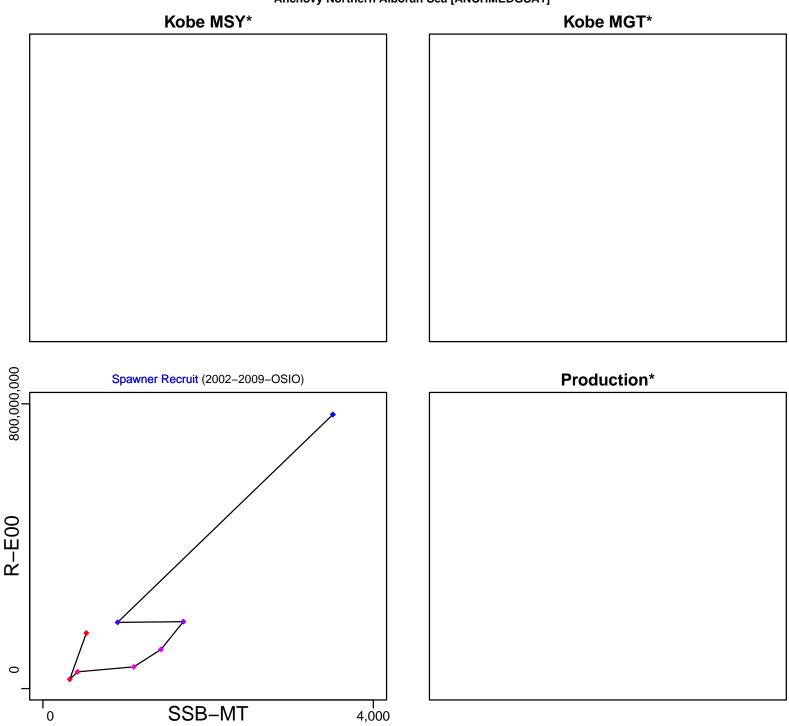




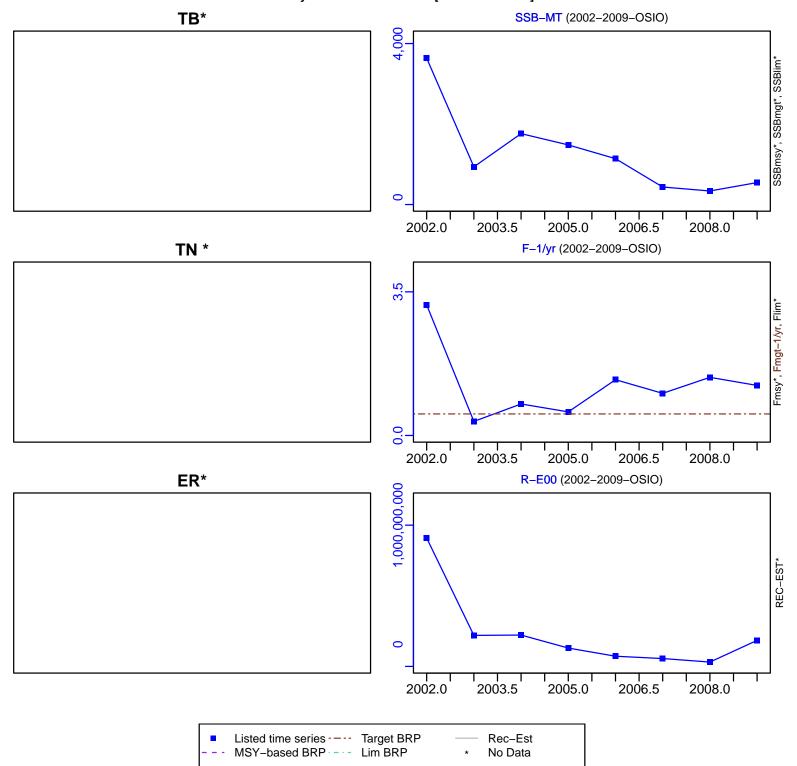
Metadata				
Scientific Name	Engraulis encrasicolus			
Current Assess ID	STECF-ANCHMEDGSA1-2002-2009-OSIO			
Area	Northern Alboran Sea			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states			
Assessor	Scientific, Technical and Economic Committee for Fisheries			
Asmts in RAM	2009			

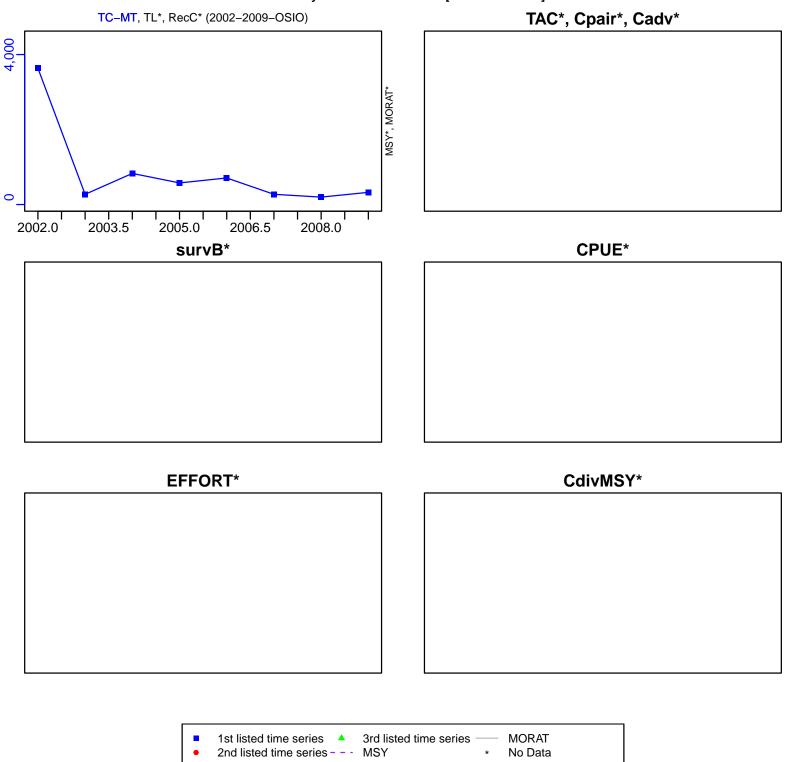
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2009	0.452	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2009	526	-	-
TN	-	-	-	-	-
R	R-E00	2009	$1.56 \times 10^{8}$	-	-
F	F-1/yr	2009	1.05	-	-
ER	-	-	-	-	-
TC	TC-MT	2009	292		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2009	2.324		
ER/ERmgt	-	-	-		



Start Year → End Year → No Data

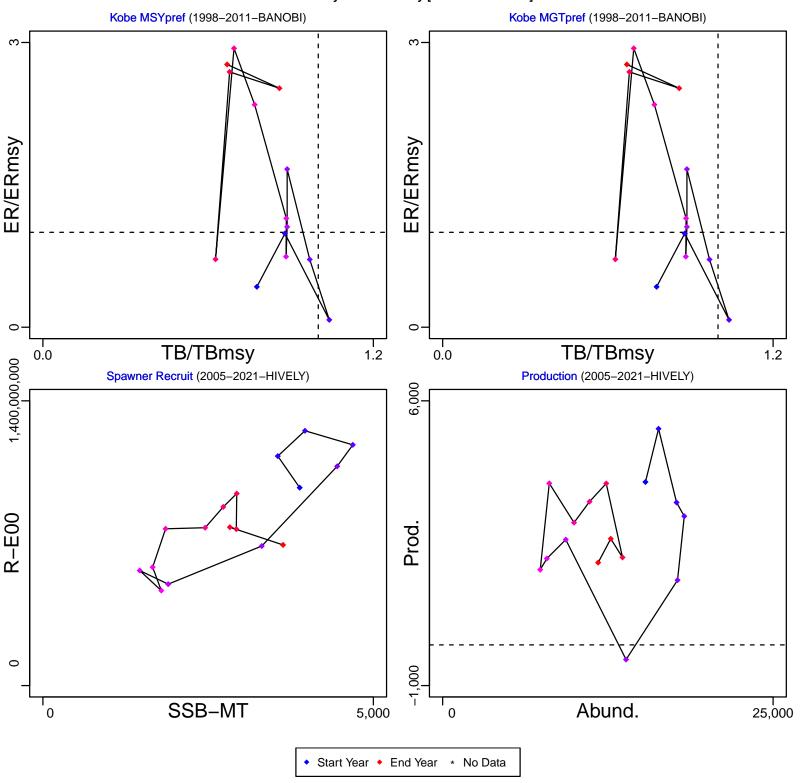


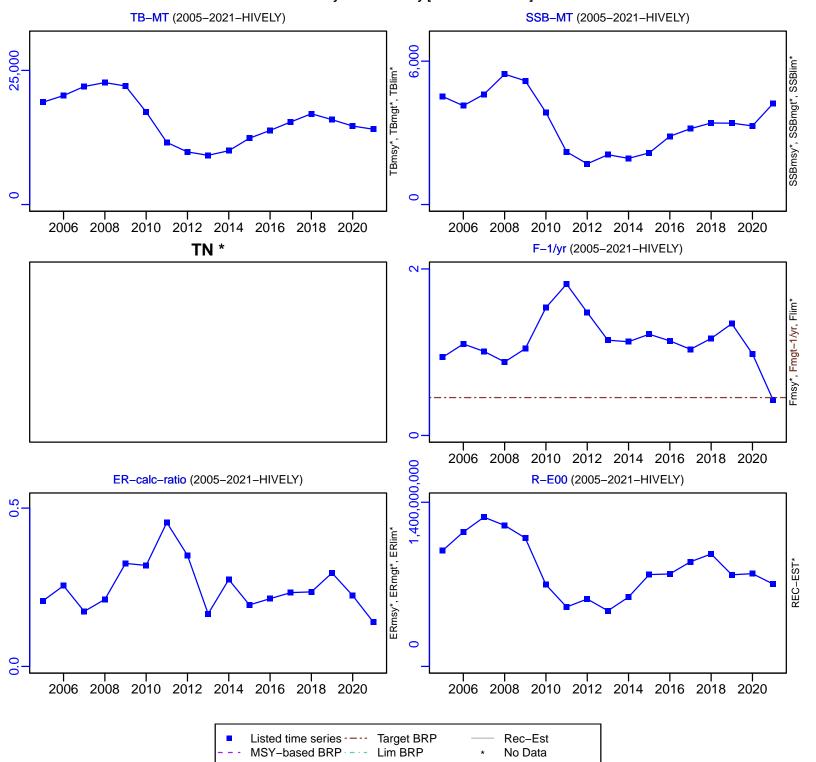


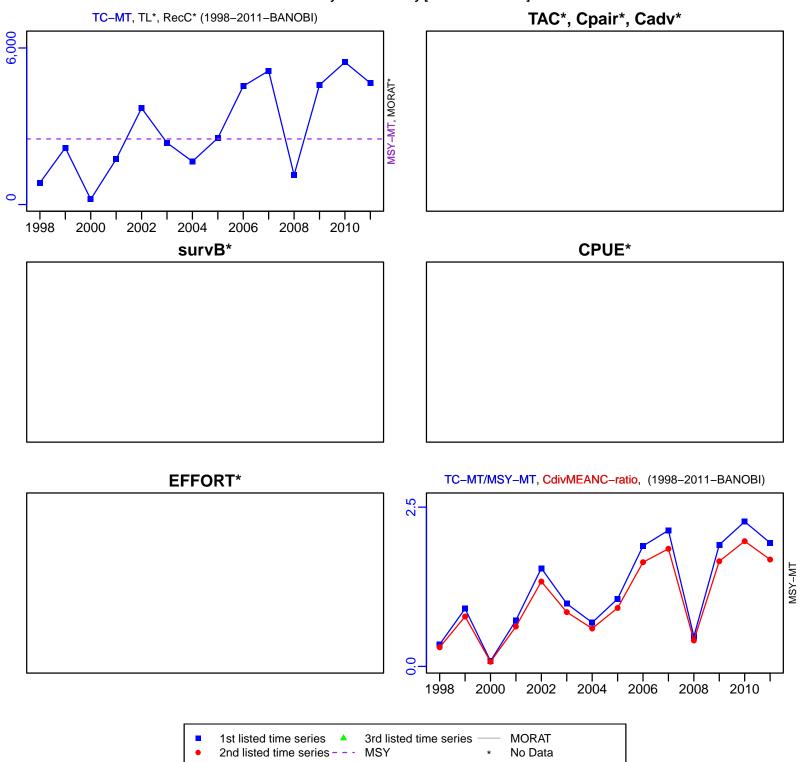
Metadata				
Scientific Name	Engraulis encrasicolus			
Current Assess ID	WGSASP-ANCHMEDGSA16-2005-2021-HIVELY			
Area	South of Sicily			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states			
Assessor	Working Group on Stock Assessment of Small Pelagic species			
Asmts in RAM	2011, 2011, 2021			

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-MT	2011	14,152	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2011	0.17	
ERmsy	ERmsy-calc-ratio	2011	0.167	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2021	0.454	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2011	2359	
М	M-1/yr	2011	0.66	
TBlim	TBlim-MT	2011	3130	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2021	11,288	-	-
SSB	SSB-MT	2021	3634	-	-
TN	-	-	-	-	-
R	R-E00	2021	691,493,000	-	-
F	F-1/yr	2021	0.426	-	-
ER	ER-calc-ratio	2021	0.133	-	-
TC	TC-MT	2011	4370		
TL	TL-MT	2021	1500		
TB/TBmsy	TBdivTBmsy-dimensionless	2011	0.669		
SSB/SSBmsy	-	-	-		
F/Fmsy	FdivFmsy-dimensionless	2011	1.62		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2011	2.768		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	0.937		
ER/ERmgt	-	-	-		





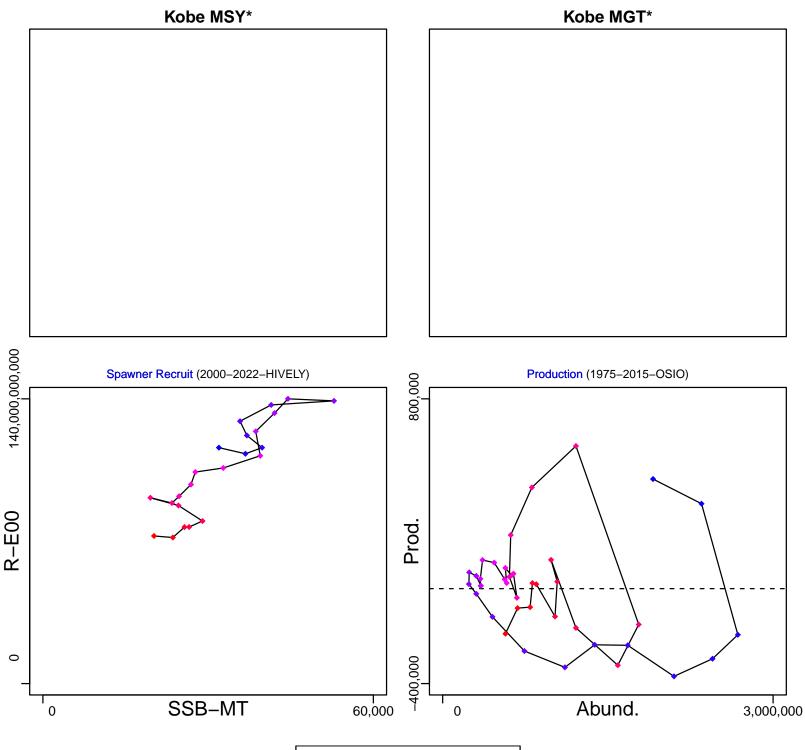


## Anchovy Adriatic Sea (GSA 17,18) [ANCHMEDGSA17-18]

Metadata			
Scientific Name	Engraulis encrasicolus		
Current Assess ID	WGSASP-ANCHMEDGSA17-18-2000-2022-HIVELY		
Area	Adriatic Sea (GSA 17,18)		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Working Group on Stock Assessment of Small Pelagic species		
Asmts in RAM	2015, 2016, 2013, 2022		

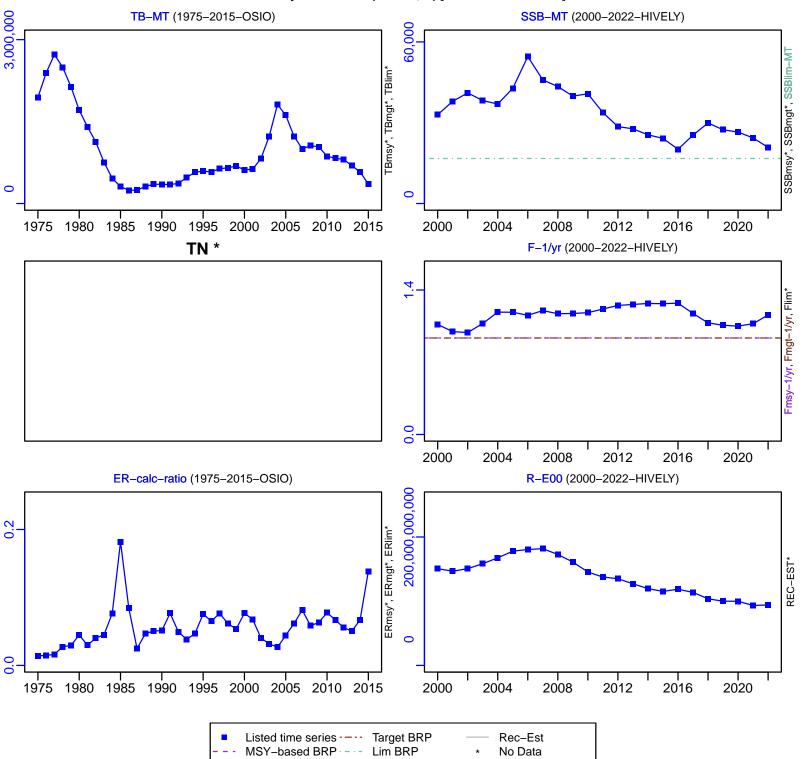
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2022	0.81		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2022	0.81		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2022	16,200		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	349,000	-	-
SSB	SSB-MT	2022	20,178	-	-
TN	-	-	-	-	-
R	R-E00	2022	72,574,075,600	-	-
F	F-1/yr	2022	1.003	-	-
ER	ER-calc-ratio	2015	0.113	-	-
TC	TC-MT	2022	28,665		
TL	TL-MT	2015	39,400	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2022	1.238		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2022	1.238		
ER/ERmgt	-	-	-		

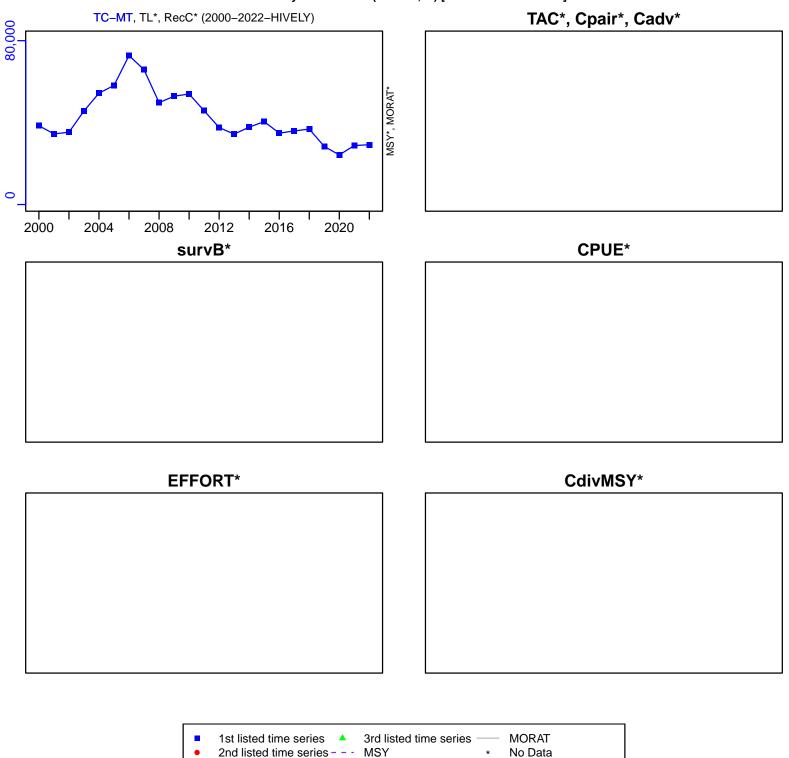


Start Year • End Year \* No Data

#### Anchovy Adriatic Sea (GSA 17,18) [ANCHMEDGSA17-18]



### Anchovy Adriatic Sea (GSA 17,18) [ANCHMEDGSA17-18]



Metadata			
Scientific Name	Engraulis encrasicolus		
Current Assess ID	STECF-ANCHMEDGSA19-2006-2012-OSIO		
Area	Western Ionian Sea		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2012		

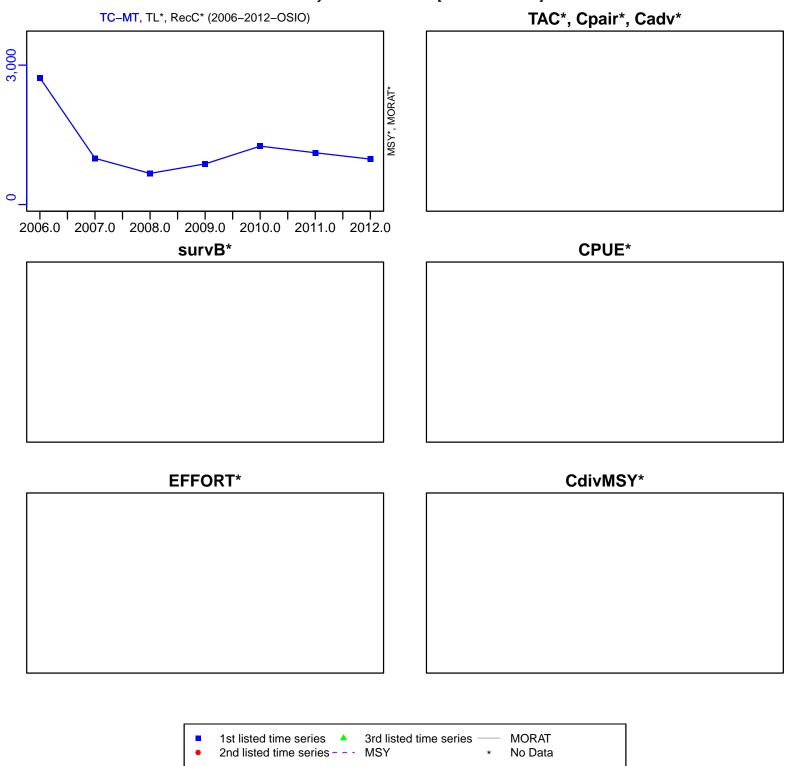
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-		-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	817		
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

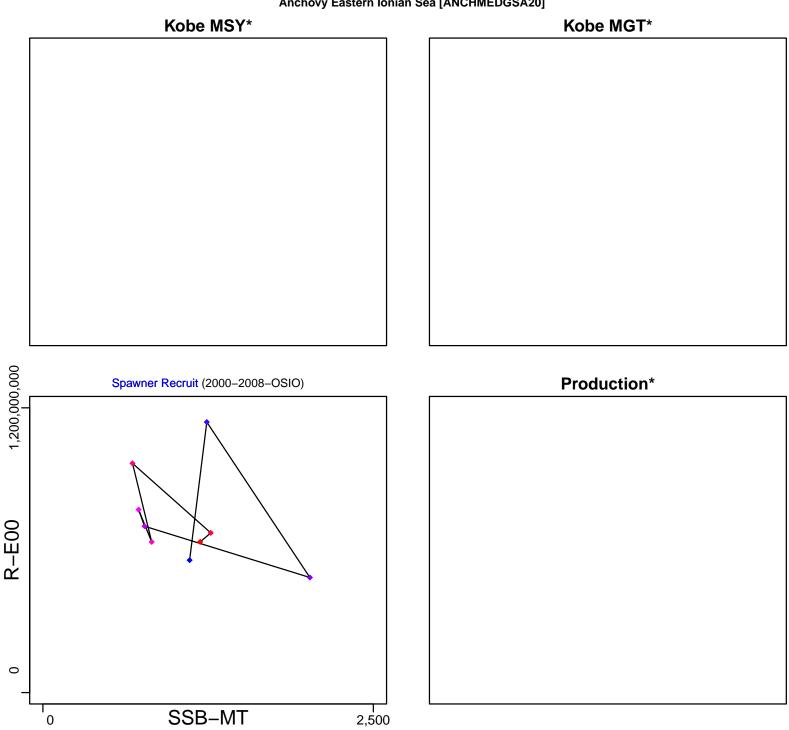
TB*	SSB*
TN *	F*
ER*	Recruits*
	I L
Listed time series Ta MSY-based BRP Li	arget BRP — Rec-Est



Metadata			
Scientific Name	Engraulis encrasicolus		
Current Assess ID	STECF-ANCHMEDGSA20-2000-2008-OSIO		
Area	Eastern Ionian Sea		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2008		

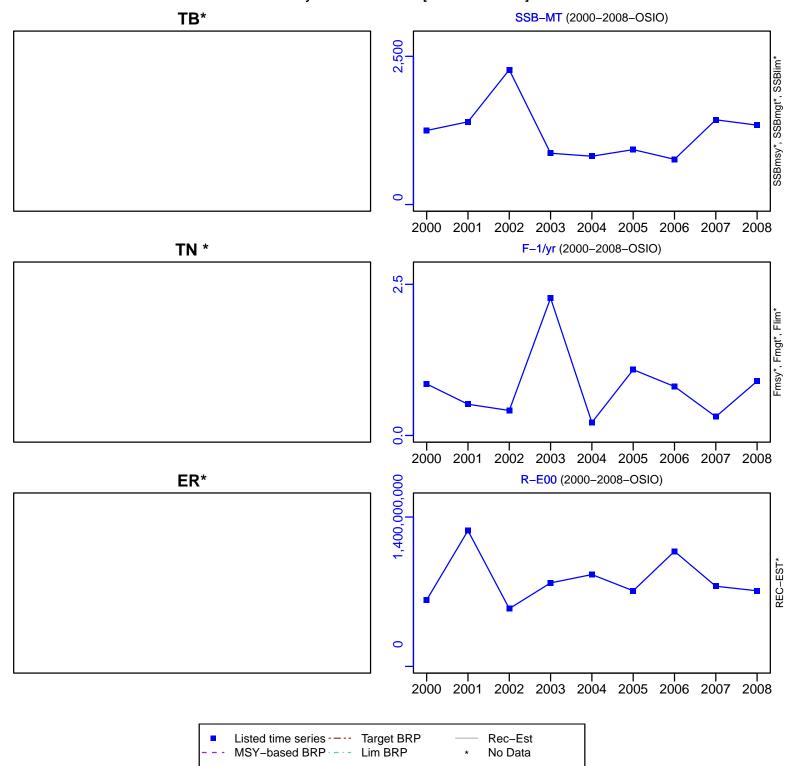
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

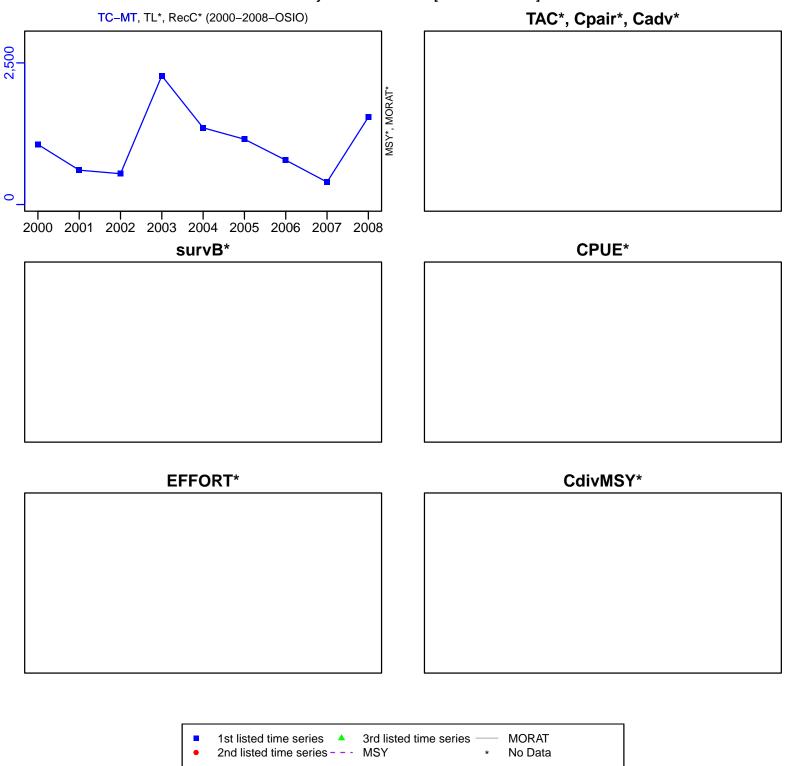
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2008	1190	-	-
TN	-	-	-	-	-
R	R-E00	2008	$6.35 \times 10^{8}$	-	-
F	F-1/yr	2008	0.814	-	-
ER	-	-	-	-	-
TC	TC-MT	2008	1310		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



Start Year • End Year \* No Data

0



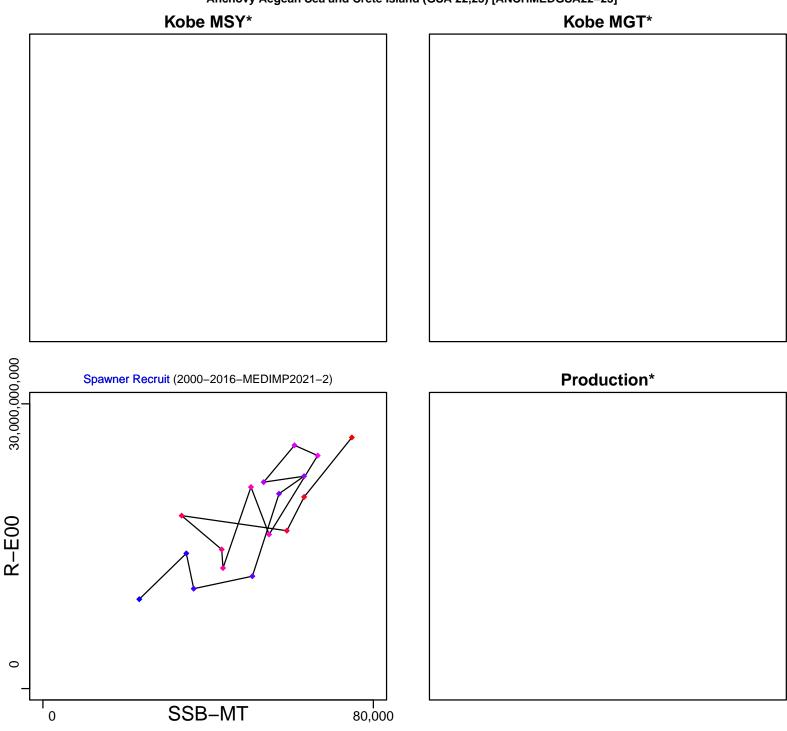


## Anchovy Aegean Sea and Crete Island (GSA 22,23) [ANCHMEDGSA22-23]

Metadata			
Scientific Name	Engraulis encrasicolus		
Current Assess ID	STECF-ANCHMEDGSA22-23-2000-2016-MEDIMP2021-2		
Area	Aegean Sea and Crete Island (GSA 22,23)		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2016		

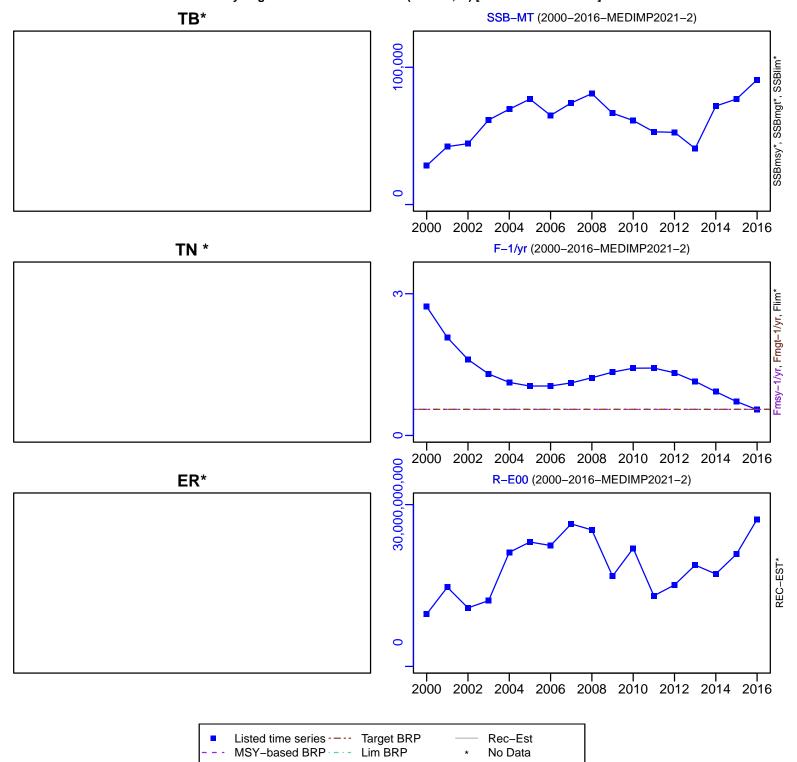
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.47	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2016	0.47	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2016	74,802	-	-
TN	-	-	-	-	-
R	R-E00	2016	26,458,735,000	-	-
F	F-1/yr	2016	0.464	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	10,610		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.986		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.986		
ER/ERmgt	-	-	-		

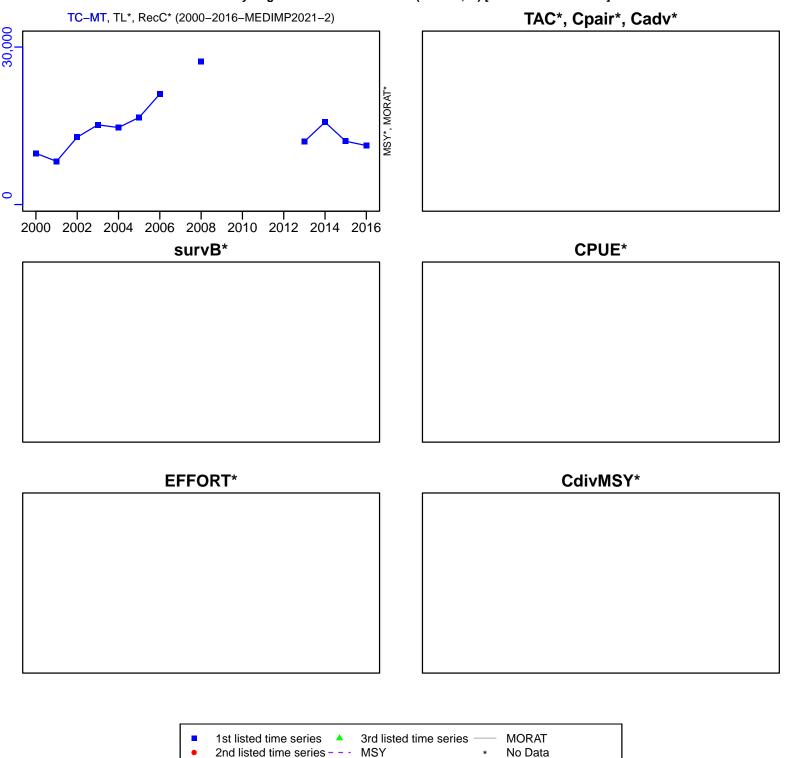


Start Year • End Year \* No Data

### Anchovy Aegean Sea and Crete Island (GSA 22,23) [ANCHMEDGSA22-23]



### Anchovy Aegean Sea and Crete Island (GSA 22,23) [ANCHMEDGSA22-23]

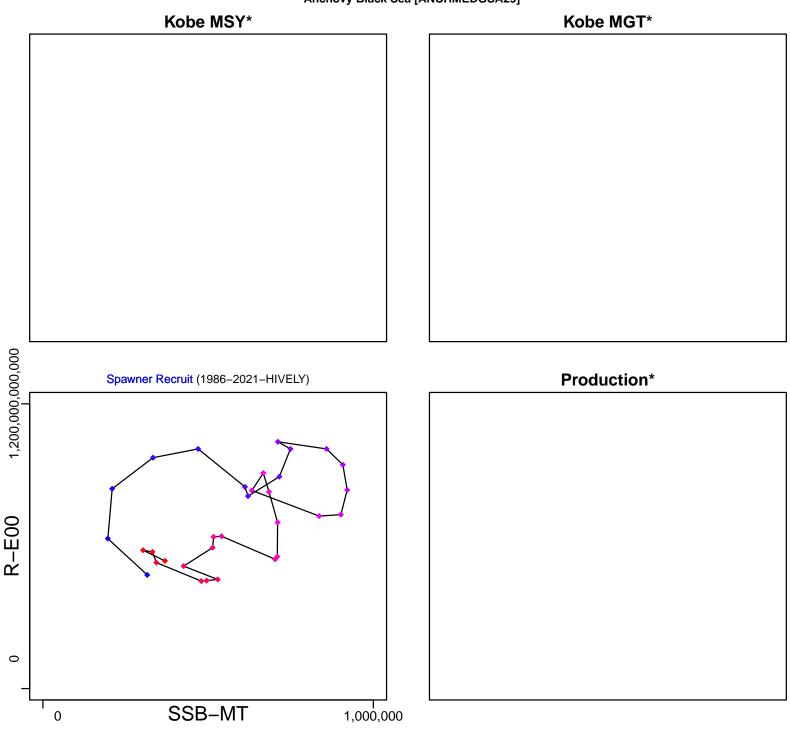


### Anchovy Black Sea [ANCHMEDGSA29]

Metadata			
Scientific Name	Engraulis encrasicolus		
Current Assess ID	SGSABS-ANCHMEDGSA29-1986-2021-HIVELY		
Area	Black Sea		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Subregional Group on Stock Assessment for the Black Sea		
Asmts in RAM	2021, 2014, 2016		

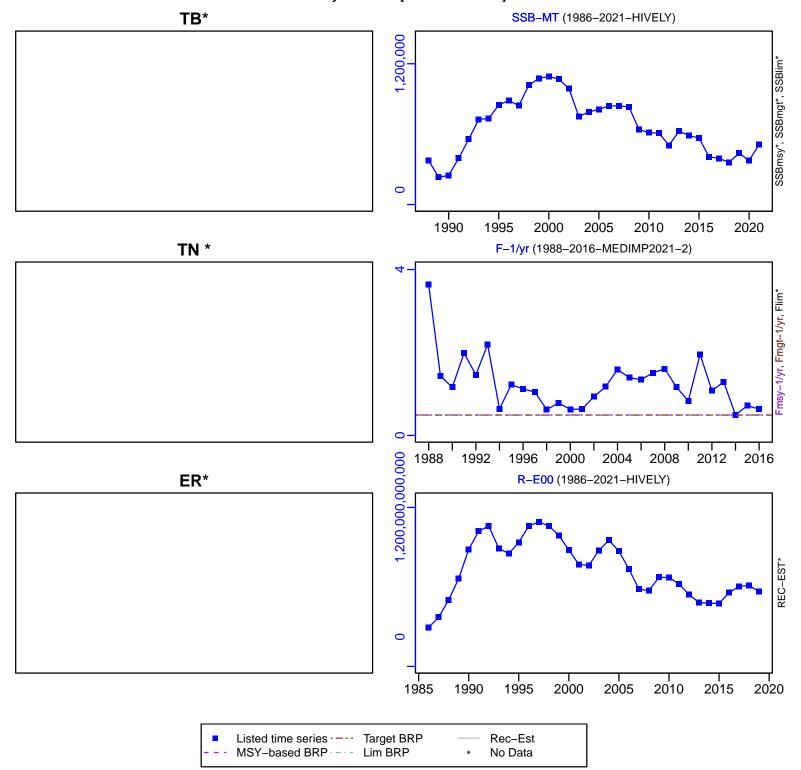
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.49	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2016	0.49	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2021	431,067	-	-
TN	-	-	-	-	-
R	R-E00	2021	$5.38 \times 10^{11}$	-	2
F	F-1/yr	2021	1.39	-	-
ER	-	-	-	-	-
TC	TC-MT	2021	196,066		
TL	TL-MT	2021	196,066		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.289		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.289		
ER/ERmgt	-	-	-		

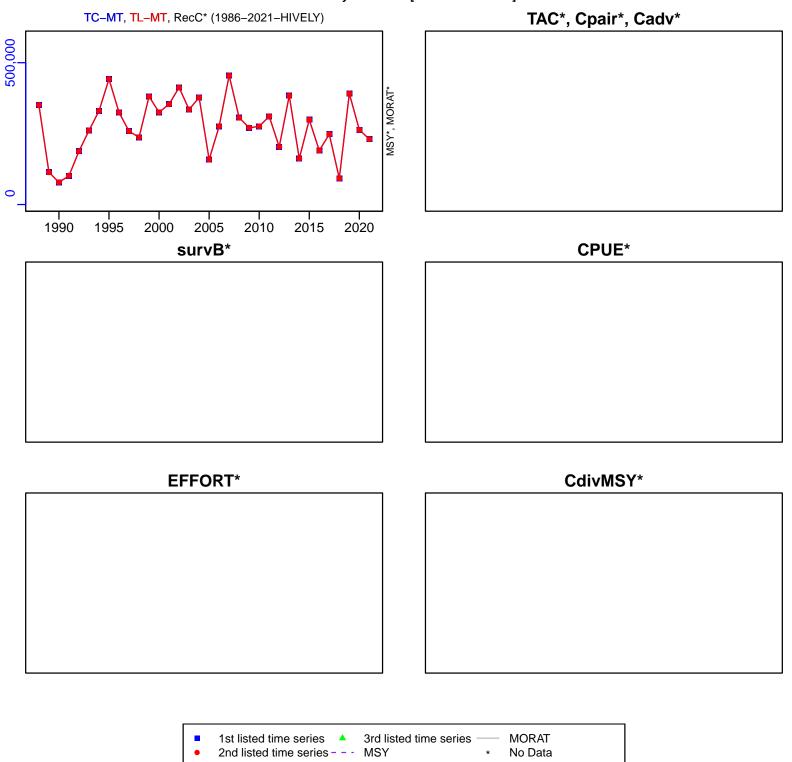


Start Year • End Year \* No Data

#### **Anchovy Black Sea [ANCHMEDGSA29]**



#### Anchovy Black Sea [ANCHMEDGSA29]



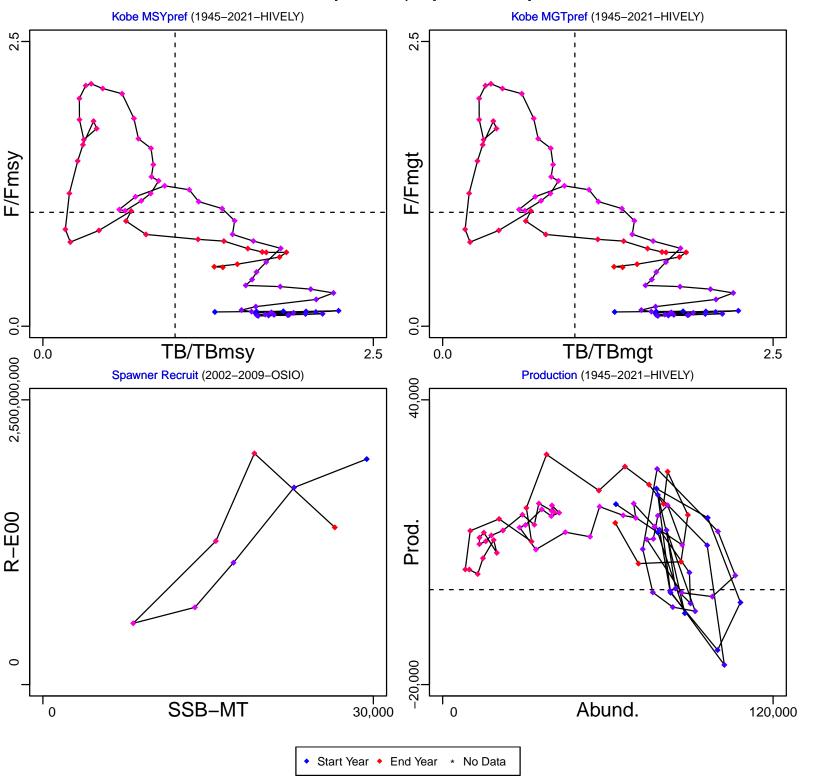
## **Anchovy Northern Spain [ANCHMEDGSA6]**

Metadata			
Scientific Name	Engraulis encrasicolus		
Current Assess ID	WGSASP-ANCHMEDGSA6-1945-2021-HIVELY		
Area	Northern Spain		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Working Group on Stock Assessment of Small Pelagic species		
Asmts in RAM	2015, 2016, 2009, 2021		

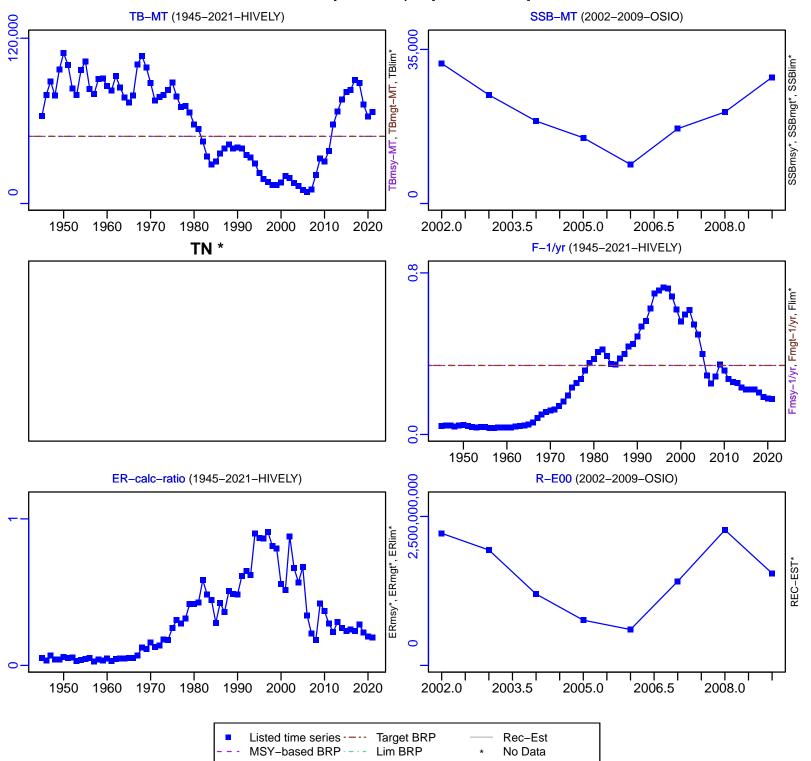
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-MT	2021	48,346	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2021	0.331	
ERmsy	-	-	-	
TBmgt	TBmgt-MT	2021	48,346	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2021	0.331	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2021	65,817	-	-
SSB	SSB-MT	2009	26,500	-	-
TN	-	-	-	-	-
R	R-E00	2009	$1.38 \times 10^{9}$	-	-
F	F-1/yr	2021	0.171	-	-
ER	ER-calc-ratio	2021	0.166	-	-
TC	TC-MT	2016	17,466		
TL	TL-MT	2021	10,920		
TB/TBmsy	TB-MT/TBmsy-MT	2021	1.361		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2021	0.517		
ER/ERmsy	-	-	-		
TB/TBmgt	TB-MT/TBmgt-MT	2021	1.361		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	0.517		
ER/ERmgt	-	-	-		

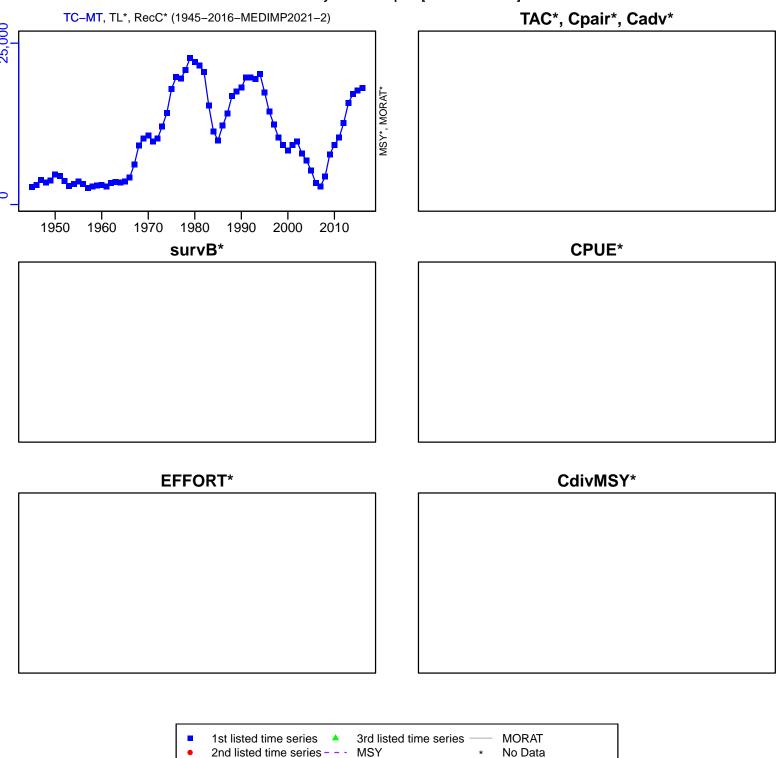
### **Anchovy Northern Spain [ANCHMEDGSA6]**



#### **Anchovy Northern Spain [ANCHMEDGSA6]**



### Anchovy Northern Spain [ANCHMEDGSA6]

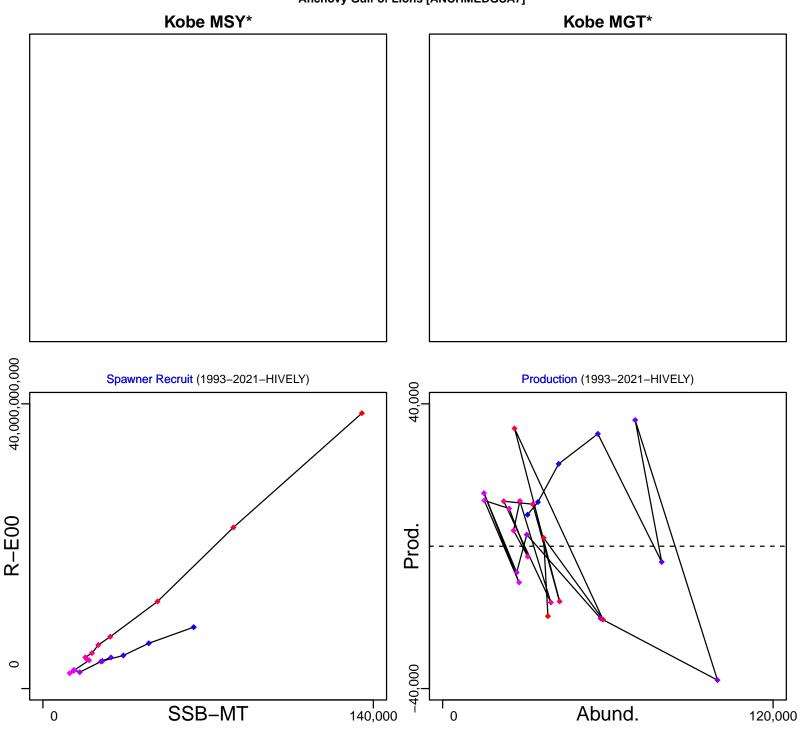


# **Anchovy Gulf of Lions [ANCHMEDGSA7]**

Metadata			
Scientific Name	Engraulis encrasicolus		
Current Assess ID WGSASP-ANCHMEDGSA7-1993-2021-HIVELY			
Area Gulf of Lions			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Working Group on Stock Assessment of Small Pelagic species		
Asmts in RAM	2012, 2021		

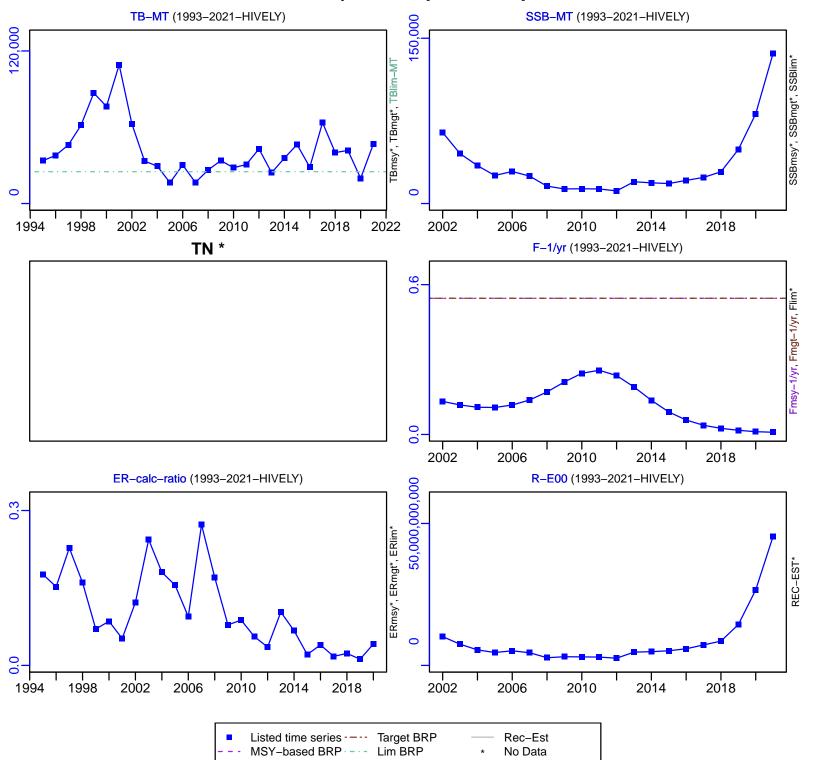
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2021	0.49	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2021	0.49	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	TBlim-MT	2021	22,889	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	TB-MT	2021	42,811	-	-	
SSB	SSB-MT	2021	135,153	-	-	
TN	-	-	-	-	-	
R	R-E00	2021	38,688,921,000	-	0	
F	F-1/yr	2021	0.008	-	-	
ER	ER-calc-ratio	2021	0.038	-	-	
TC	-	-	-			
TL	TL-MT	2021	696			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	F-1/yr/Fmsy-1/yr	2021	0.016			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	0.016			
ER/ERmgt	-	-	-			

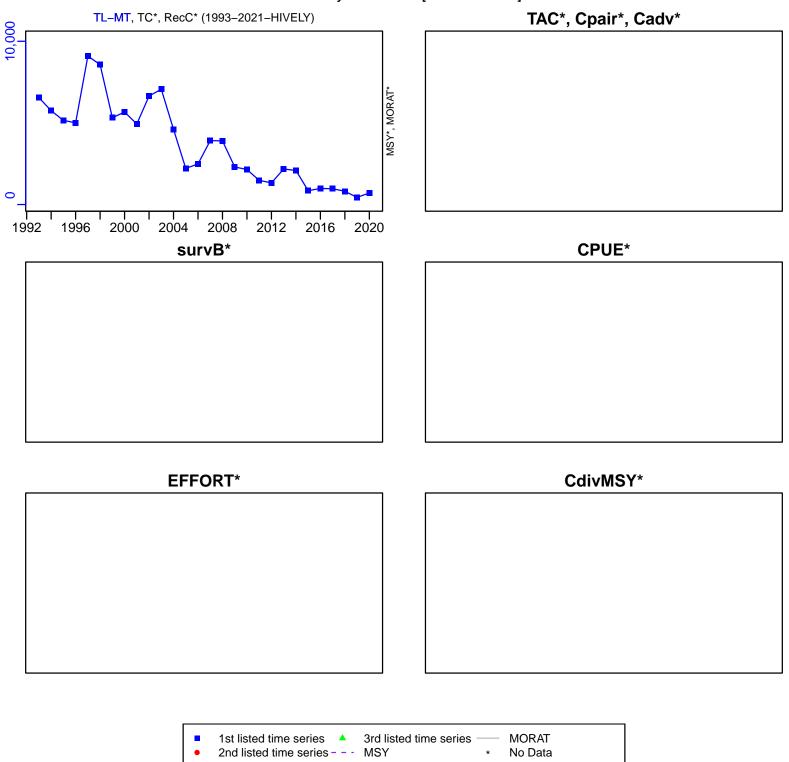


Start Year → End Year → No Data

#### **Anchovy Gulf of Lions [ANCHMEDGSA7]**



#### **Anchovy Gulf of Lions [ANCHMEDGSA7]**

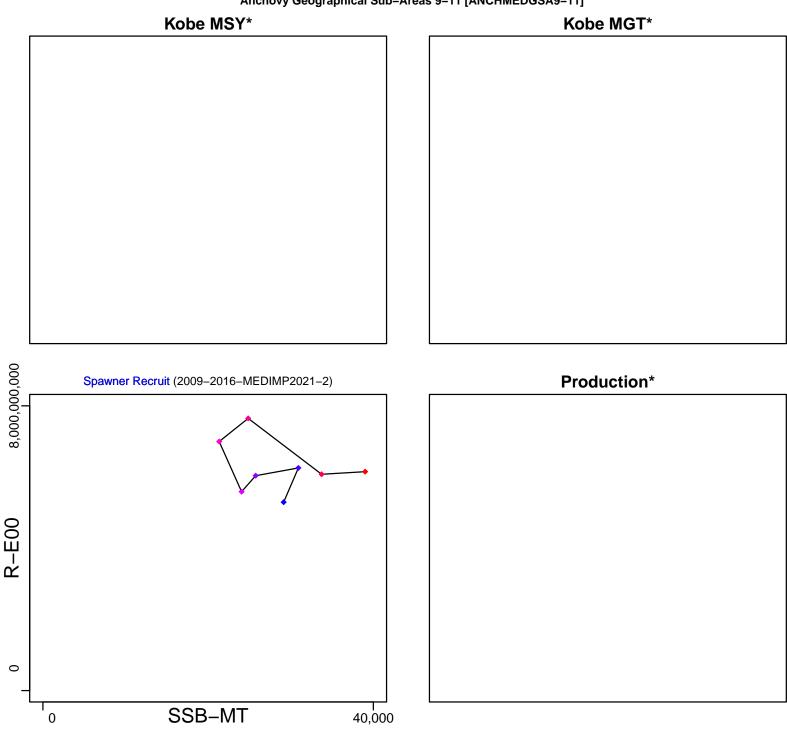


# Anchovy Geographical Sub-Areas 9-11 [ANCHMEDGSA9-11]

Metadata			
Scientific Name	Engraulis encrasicolus		
Current Assess ID STECF-ANCHMEDGSA9-11-2009-2016-MEDIMP2021-2			
Area Geographical Sub-Areas 9-11			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2016		

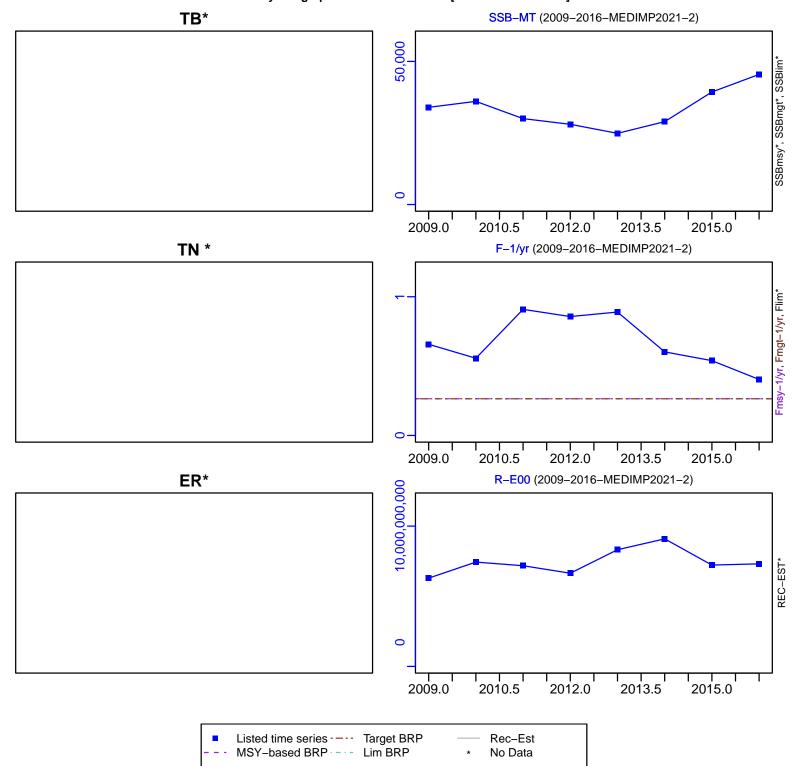
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.22	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2016	0.22	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	SSB-MT	2016	39,011	-	-	
TN	-	-	-	-	-	
R	R-E00	2016	6,150,093,000	-	-	
F	F-1/yr	2016	0.336	-	-	
ER	-	-	-	-	-	
TC	TC-MT	2016	8931			
TL	-	-	-			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.527			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.527			
ER/ERmgt	-	-	-			

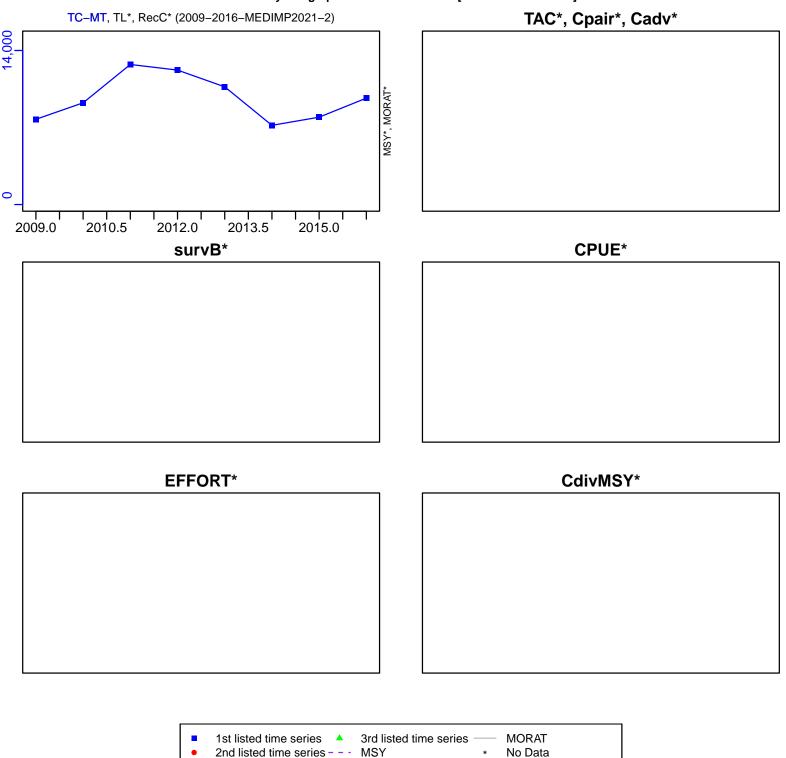


Start Year • End Year \* No Data

#### Anchovy Geographical Sub-Areas 9-11 [ANCHMEDGSA9-11]



### Anchovy Geographical Sub-Areas 9-11 [ANCHMEDGSA9-11]

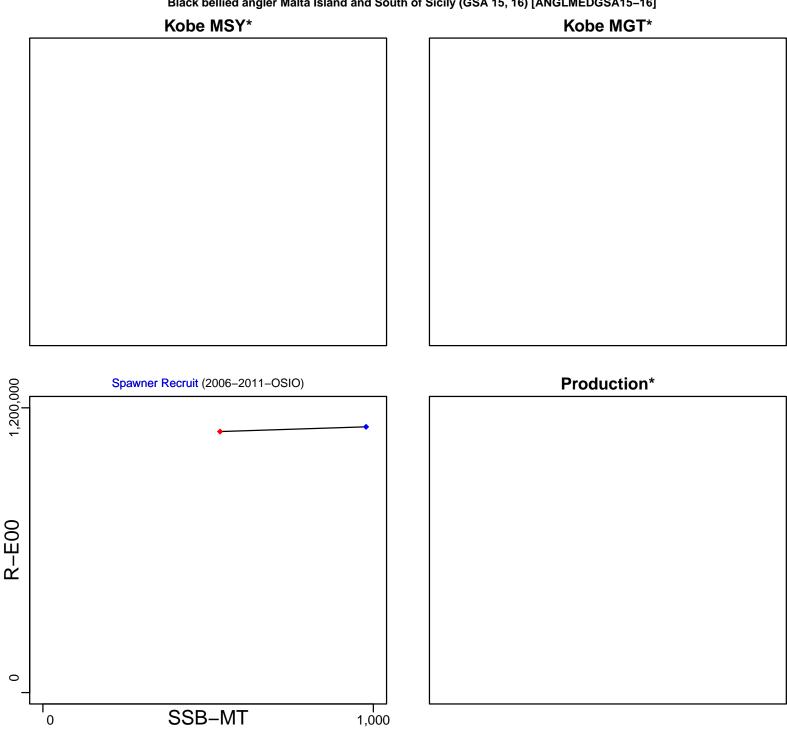


# Black bellied angler Malta Island and South of Sicily (GSA 15, 16) [ANGLMEDGSA15-16]

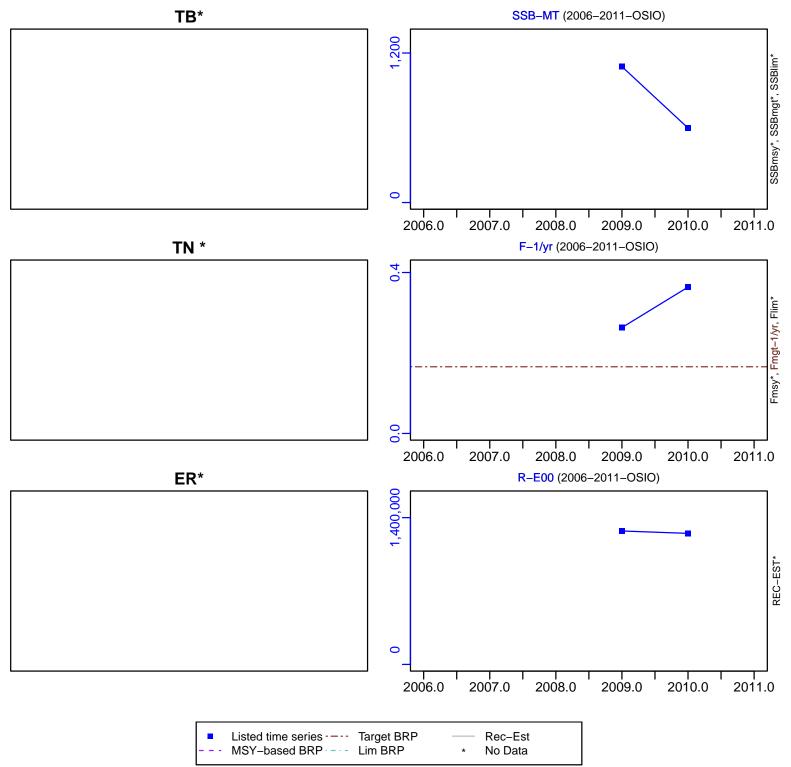
Metadata			
Scientific Name	Lophius budegassa		
Current Assess ID STECF-ANGLMEDGSA15-16-2006-2011-OSIO			
Area Malta Island and South of Sicily (GSA 15, 16)			
Management Authority General Fisheries Council for the Mediterranean, DG MARE, and national st			
Assessor Scientific, Technical and Economic Committee for Fisheries			
Asmts in RAM	2010, 2011		

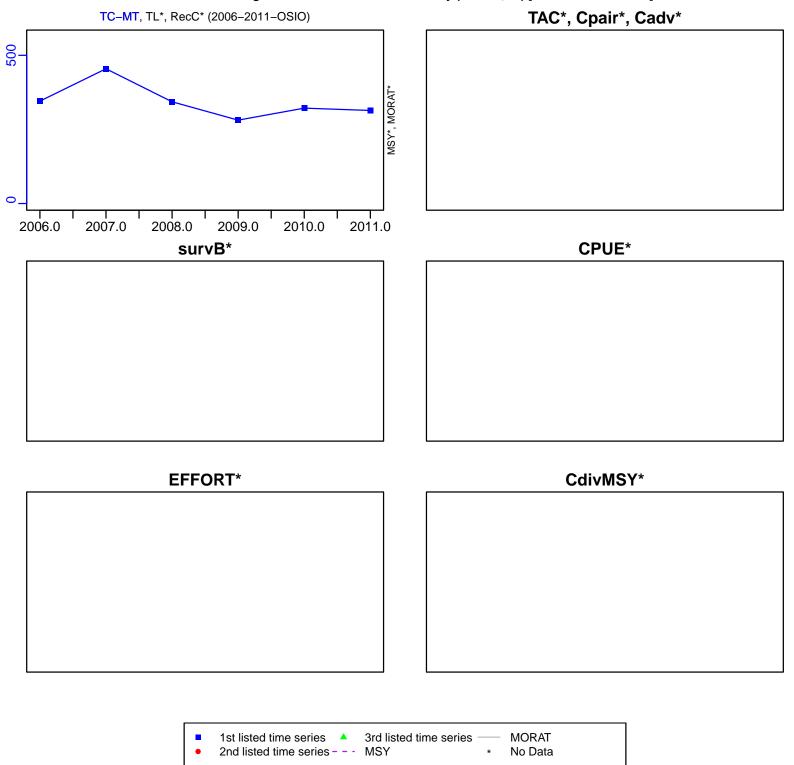
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-extr-1/yr	2010	0.165	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2011	0.16	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	M-1/yr	2010	0.2	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2011	536	-	-
TN	-	-	-	-	-
R	R-E00	2011	1,100,000	-	-
F	F-1/yr	2011	0.351	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	279		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	FdivFmsy-dimensionless	2010	2.07		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	2.194		
ER/ERmgt	-	-	-		



Start Year ◆ End Year \* No Data



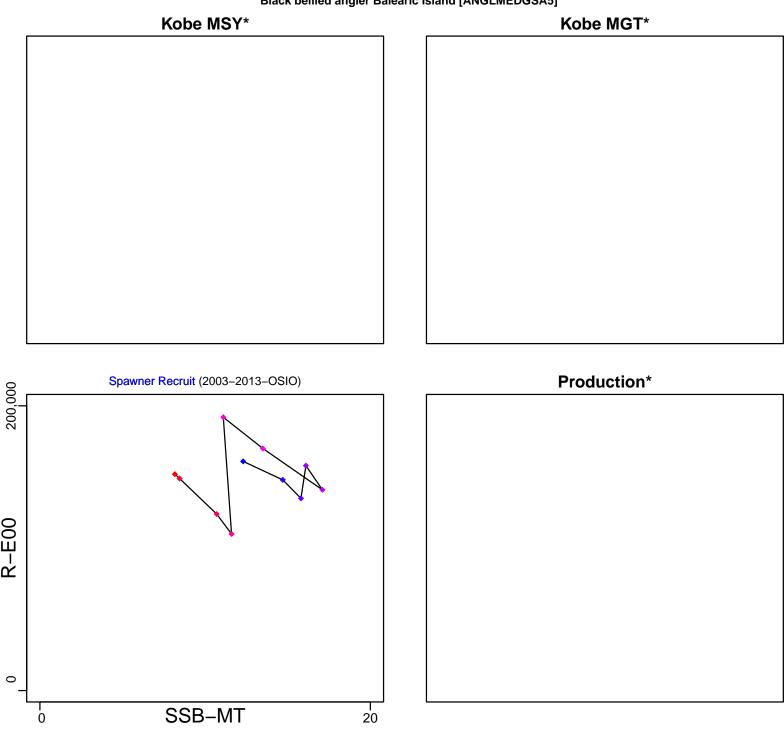


# Black bellied angler Balearic Island [ANGLMEDGSA5]

Metadata			
Scientific Name	Lophius budegassa		
Current Assess ID STECF-ANGLMEDGSA5-2003-2013-OSIO			
Area Balearic Island			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2013		

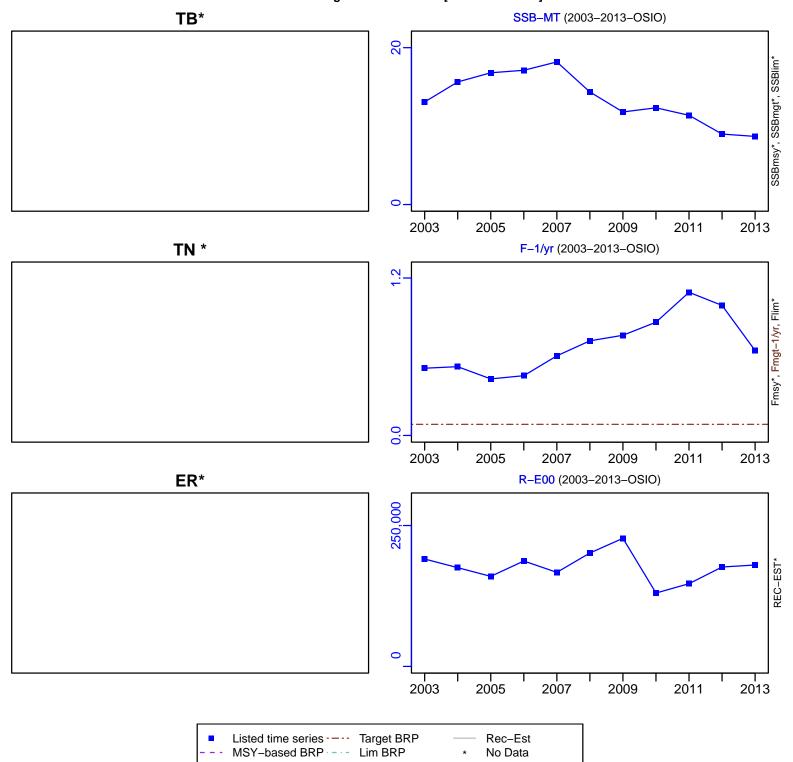
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2013	0.08	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2013	8	-	5+
TN	-	-	-	-	-
R	R-E00	2013	152,000	-	-
F	F-1/yr	2013	0.611	-	-
ER	-	-	-	-	-
TC	TC-MT	2013	11		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	7.638		
ER/ERmgt	-	-	-		

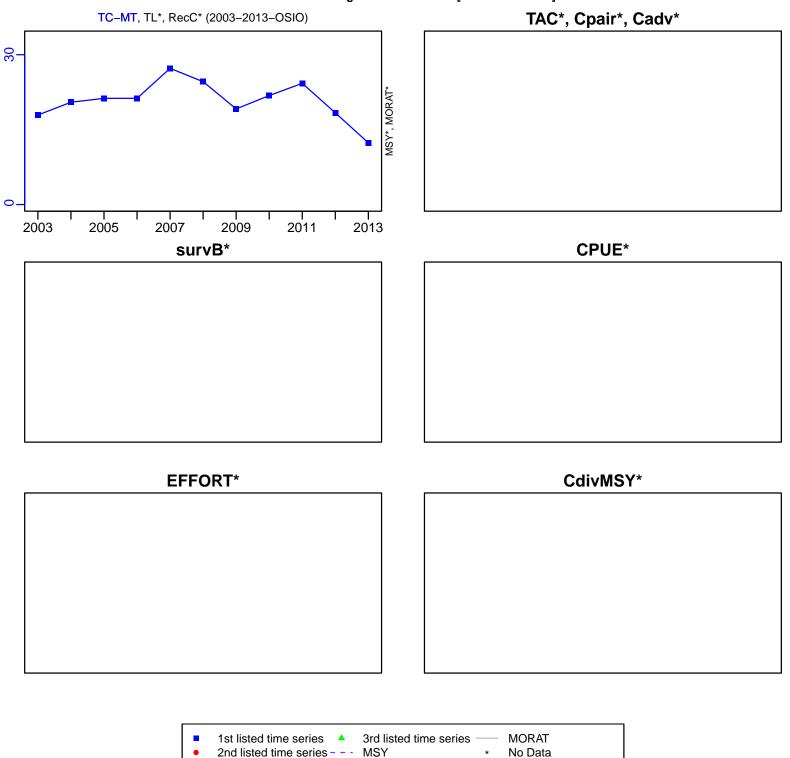


Start Year • End Year \* No Data

#### Black bellied angler Balearic Island [ANGLMEDGSA5]



### Black bellied angler Balearic Island [ANGLMEDGSA5]

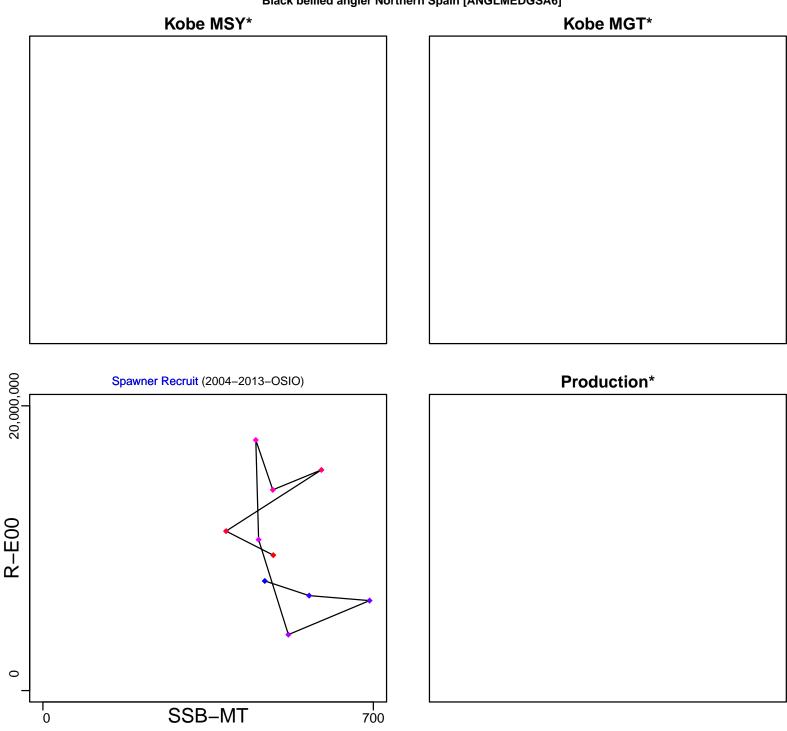


# Black bellied angler Northern Spain [ANGLMEDGSA6]

Metadata		
Scientific Name	Lophius budegassa	
Current Assess ID	STECF-ANGLMEDGSA6-2004-2013-OSIO	
Area	Northern Spain	
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Scientific, Technical and Economic Committee for Fisheries	
Asmts in RAM	2013	

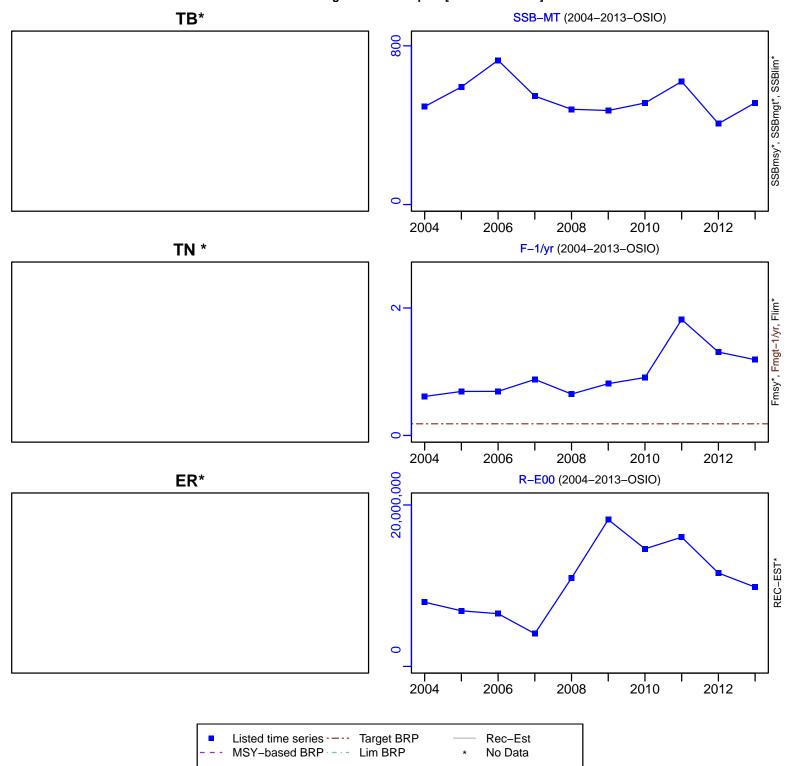
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.14
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2013	488	-	5+
TN	-	-	-	-	-
R	R-E00	2013	9,510,000	-	-
F	F-1/yr	2013	0.909	-	-
ER	-	-	-	-	-
TC	TC-MT	2013	1050		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	6.493		
ER/ERmgt	-	-	-		

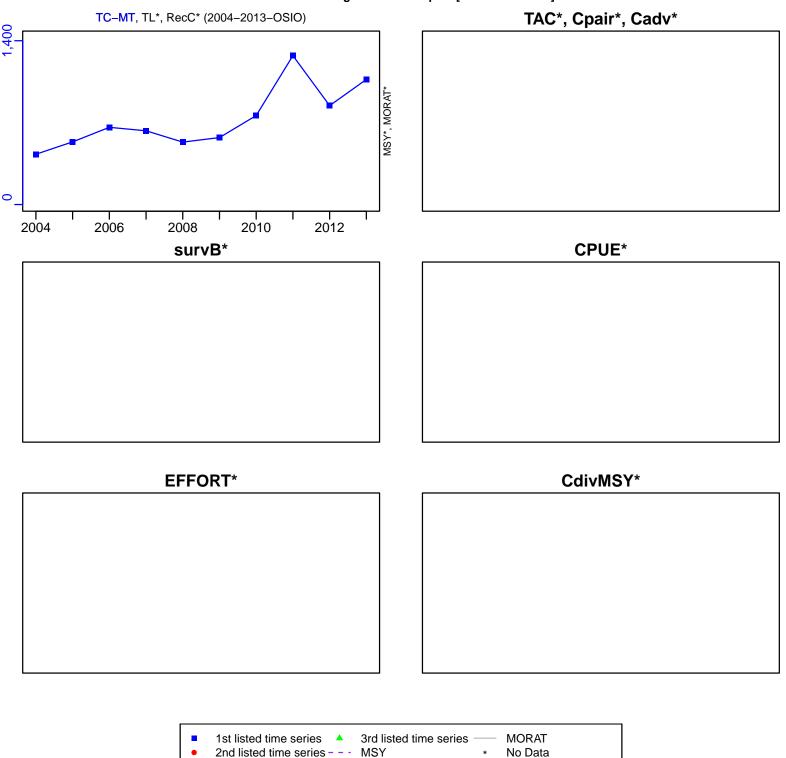


Start Year → End Year → No Data

#### Black bellied angler Northern Spain [ANGLMEDGSA6]



### Black bellied angler Northern Spain [ANGLMEDGSA6]



Metadata		
Scientific Name	Lophius budegassa	
Current Assess ID	STECF-ANGLMEDGSA7-2005-2011-OSIO	
Area	Gulf of Lions	
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Scientific, Technical and Economic Committee for Fisheries	
Asmts in RAM	2011	

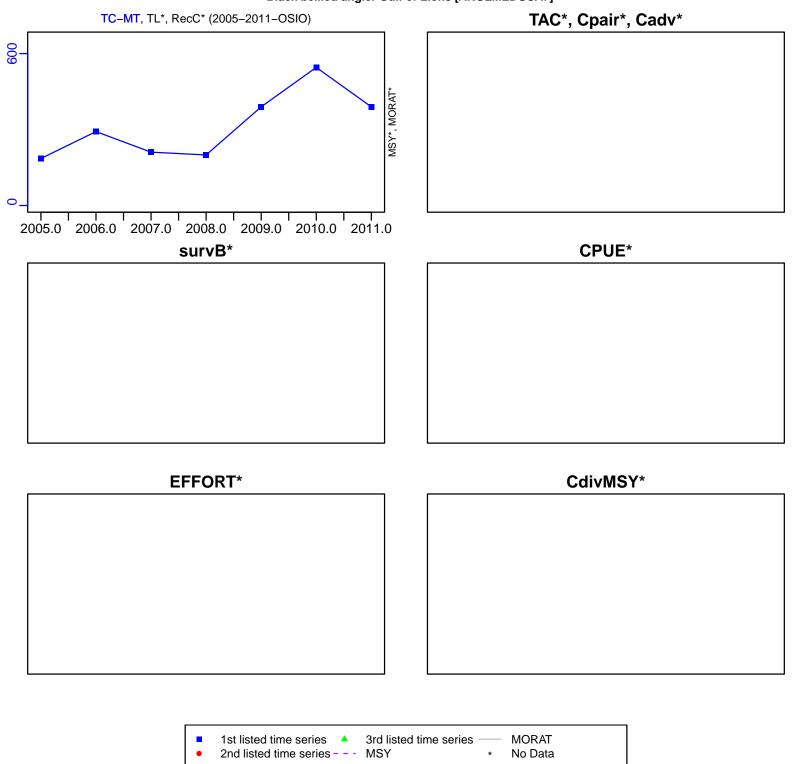
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2011	0.29	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	355		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Snawner Recruit*	Production*
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

TB*	SSB*
TN *	F*
ER*	Recruits*
Listed time series Ta	arget BRP — Rec–Est im BRP * No Data

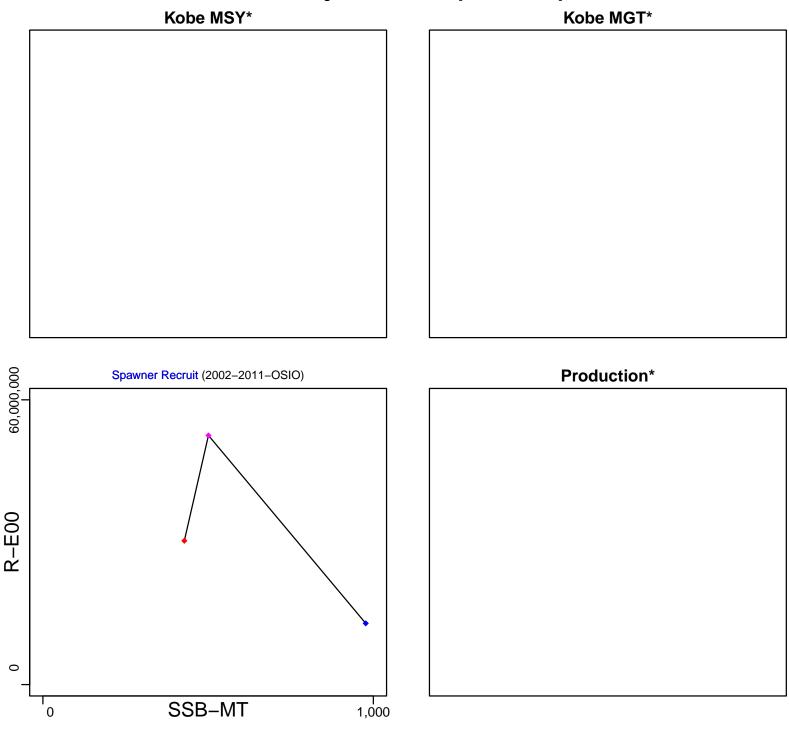


# Blue whiting Northern Alboran Sea [BWHITMEDGSA1]

Metadata		
Scientific Name	Micromesistius poutassou	
Current Assess ID	STECF-BWHITMEDGSA1-2002-2011-OSIO	
Area	Northern Alboran Sea	
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Scientific, Technical and Economic Committee for Fisheries	
Asmts in RAM	2011	

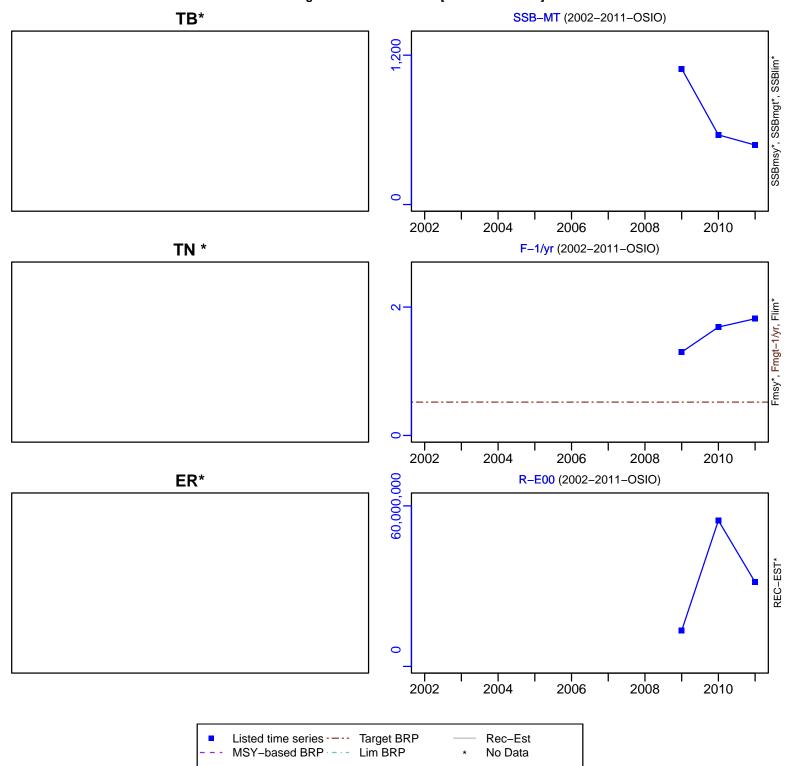
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.4
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2011	428	-	2+
TN	-	-	-	-	-
R	R-E00	2011	30,300,000	-	-
F	F-1/yr	2011	1.4	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	644		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	3.5		
ER/ERmgt	-	-	-		

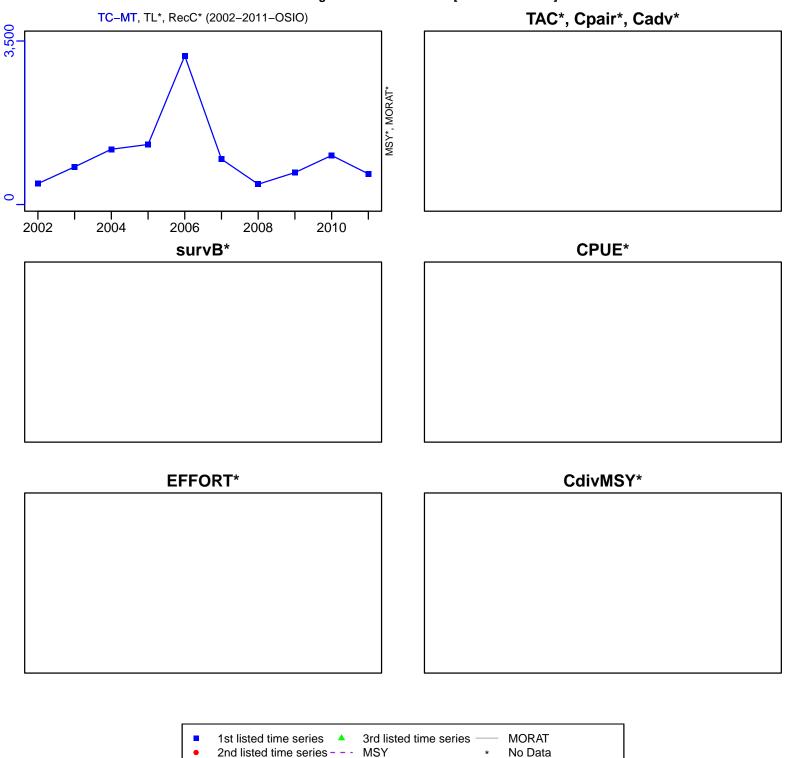


Start Year → End Year → No Data

### Blue whiting Northern Alboran Sea [BWHITMEDGSA1]



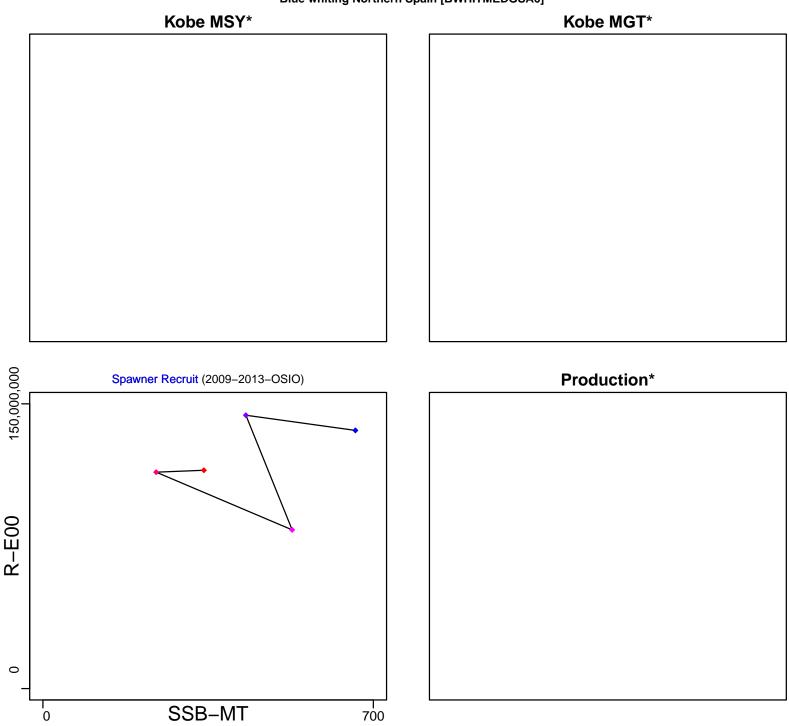
### Blue whiting Northern Alboran Sea [BWHITMEDGSA1]



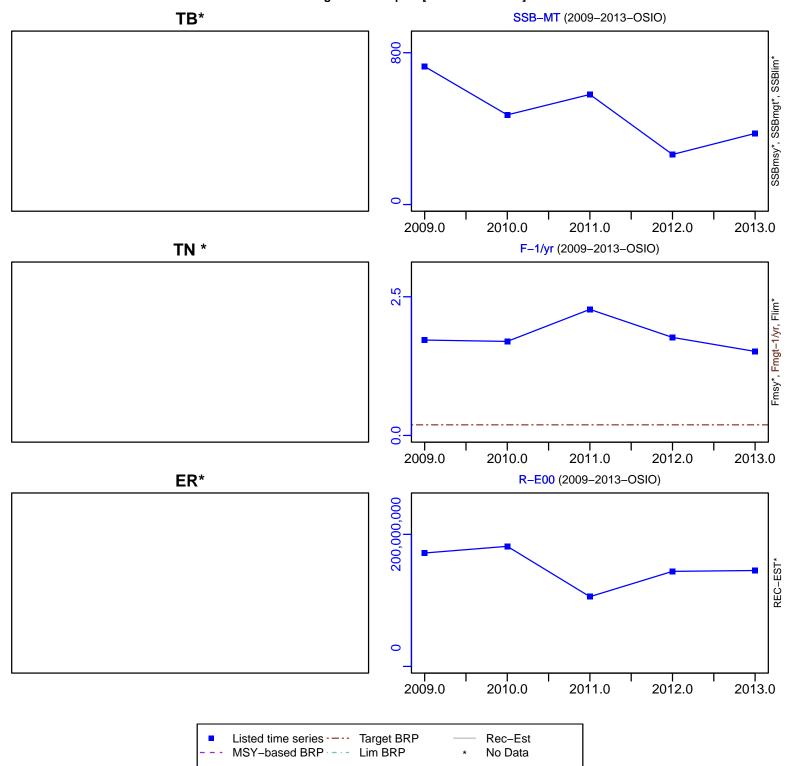
Metadata		
Scientific Name	Micromesistius poutassou	
Current Assess ID	STECF-BWHITMEDGSA6-2009-2013-OSIO	
Area	Northern Spain	
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Scientific, Technical and Economic Committee for Fisheries	
Asmts in RAM	2013	

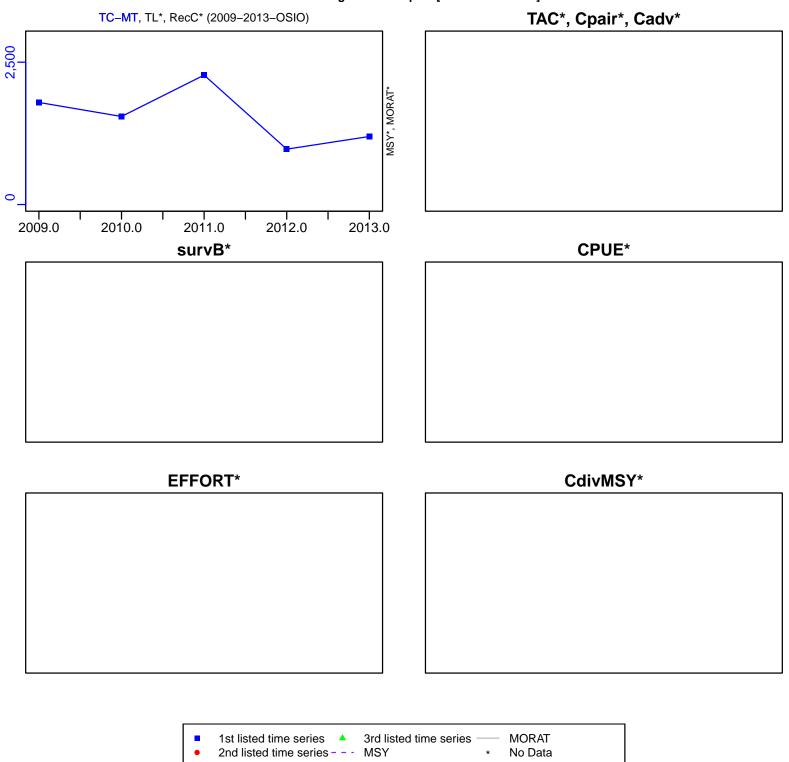
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2013	0.159	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2013	341	-	2+
TN	-	-	-	-	-
R	R-E00	2013	$1.15 \times 10^{8}$	-	-
F	F-1/yr	2013	1.26	-	-
ER	-	-	-	-	-
TC	TC-MT	2013	1020		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	7.903		
ER/ERmgt	-	-	-		



Start Year • End Year \* No Data



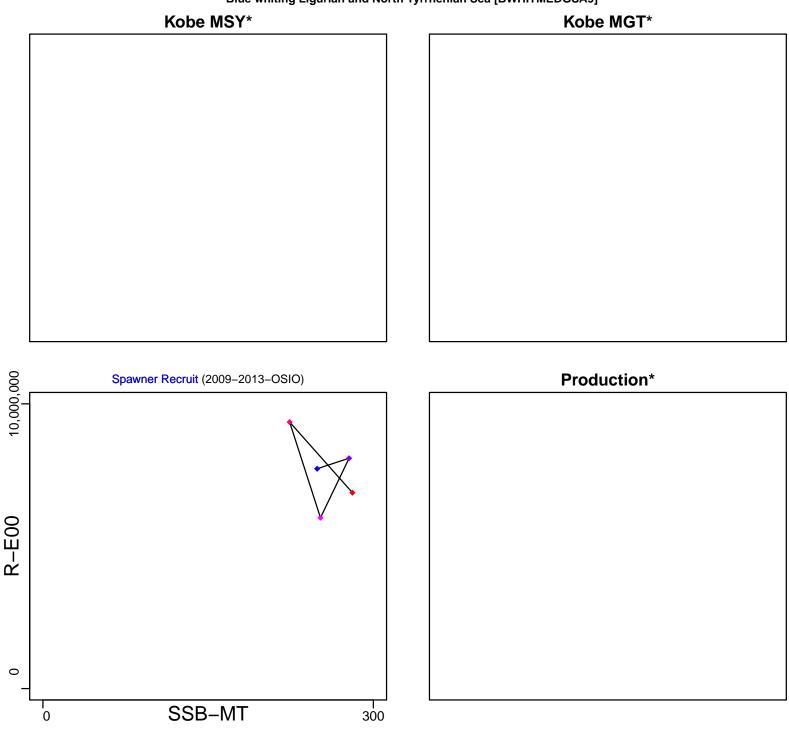


# Blue whiting Ligurian and North Tyrrhenian Sea [BWHITMEDGSA9]

Metadata			
Scientific Name	· ·		
Current Assess ID	STECF-BWHITMEDGSA9-2009-2013-OSIO		
Area	Ligurian and North Tyrrhenian Sea		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national state		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2013		

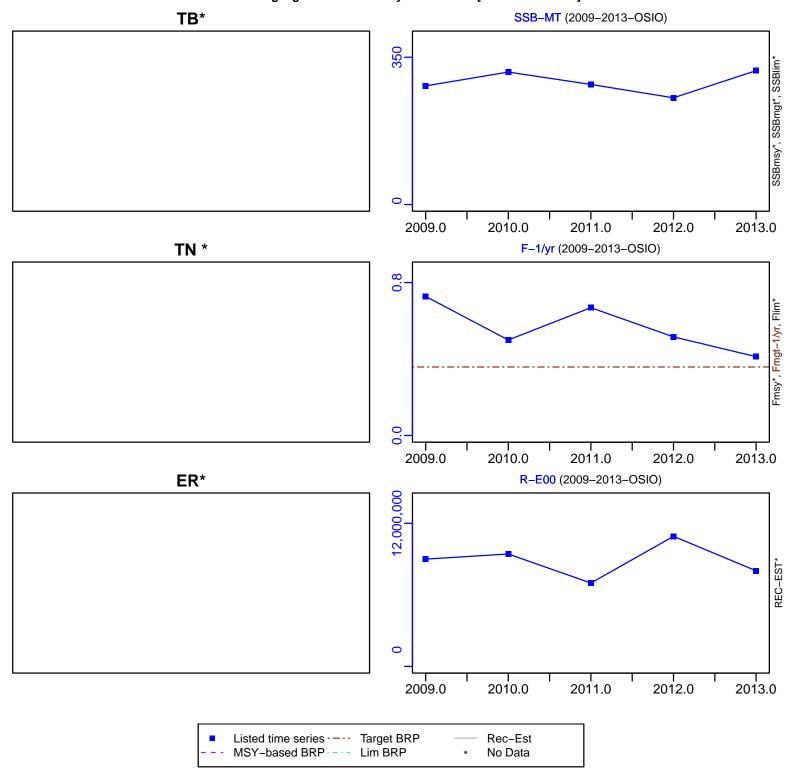
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.328
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2013	281	-	2+
TN	-	-	-	-	-
R	R-E00	2013	6,880,000	-	-
F	F-1/yr	2013	0.378	-	-
ER	-	-	-	-	-
TC	TC-MT	2013	102		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	1.151		
ER/ERmgt	-	-	-		

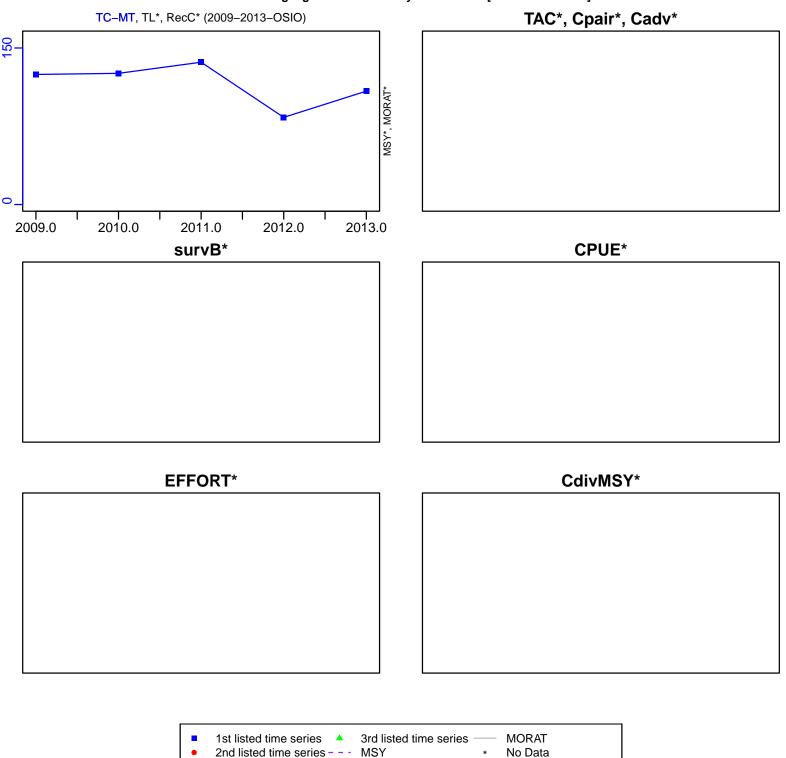


Start Year ◆ End Year \* No Data

#### Blue whiting Ligurian and North Tyrrhenian Sea [BWHITMEDGSA9]



## Blue whiting Ligurian and North Tyrrhenian Sea [BWHITMEDGSA9]

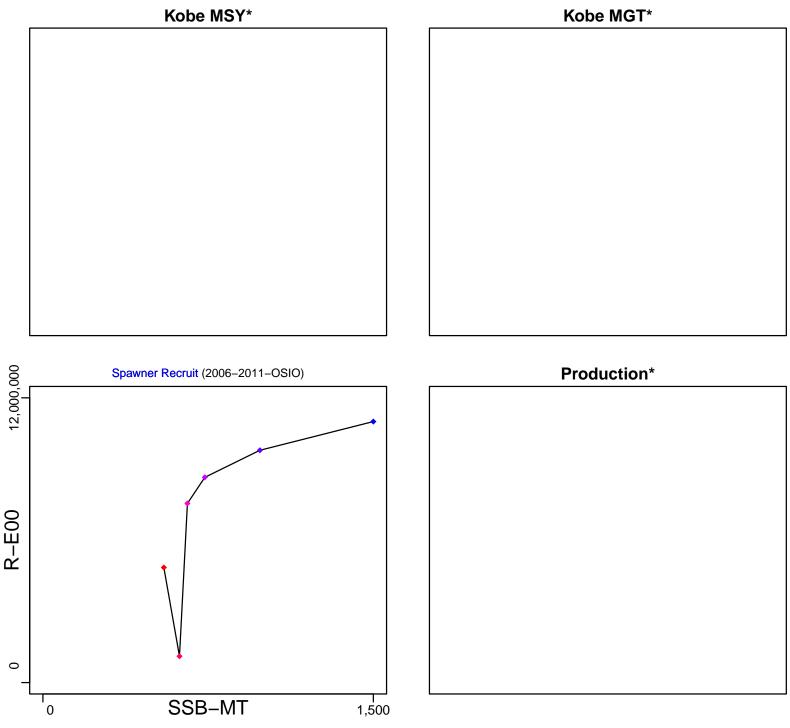


## Common pandora Malta Island and South of Sicily (GSA 15, 16) [CPANDMEDGSA15-16]

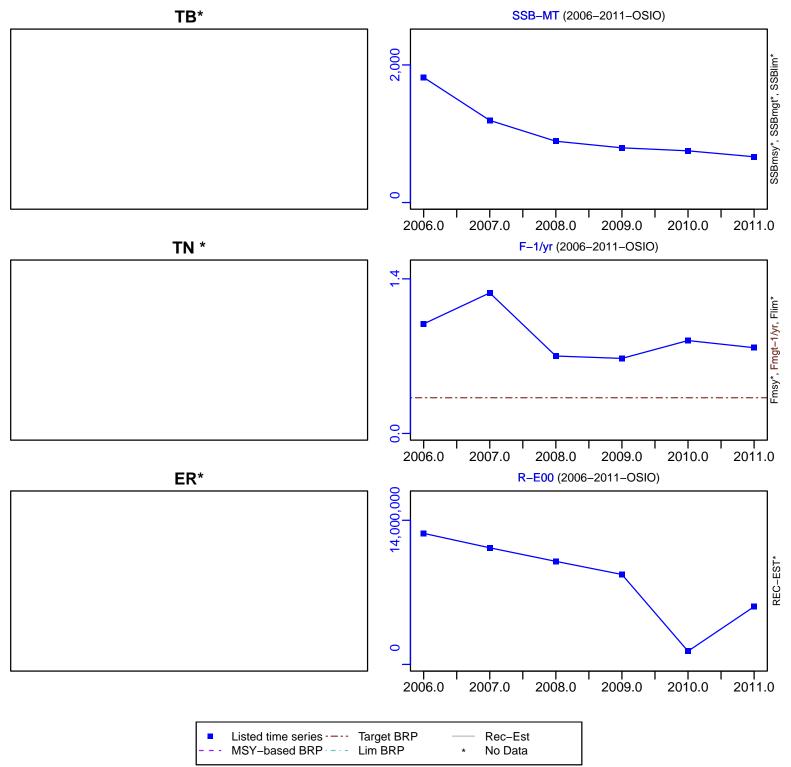
Metadata		
Scientific Name	Pagellus erythrinus	
Current Assess ID	STECF-CPANDMEDGSA15-16-2006-2011-OSIO	
Area	Malta Island and South of Sicily (GSA 15, 16)	
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Scientific, Technical and Economic Committee for Fisheries	
Asmts in RAM	2011	

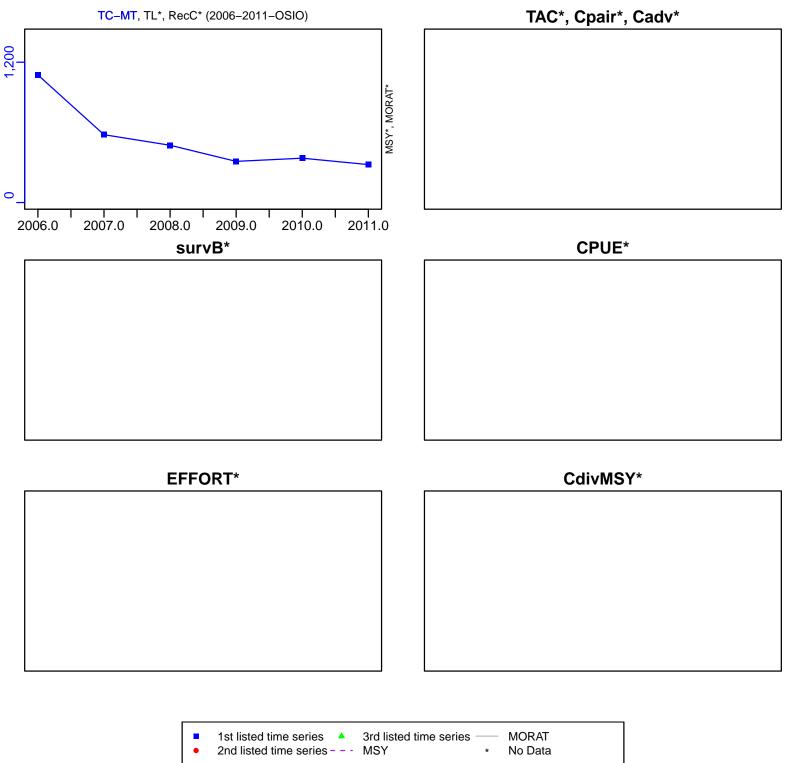
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.3
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2011	549	-	2+
TN	-	-	-	-	-
R	R-E00	2011	4,850,000	-	-
F	F-1/yr	2011	0.72	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	273		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	2.4		
ER/ERmgt	-	-	-		



Start Year ◆ End Year \* No Data





Metadata		
Scientific Name	Pagellus erythrinus	
Current Assess ID	STECF-CPANDMEDGSA9-2006-2010-OSIO	
Area	Ligurian and North Tyrrhenian Sea	
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Scientific, Technical and Economic Committee for Fisheries	
Asmts in RAM	2010	

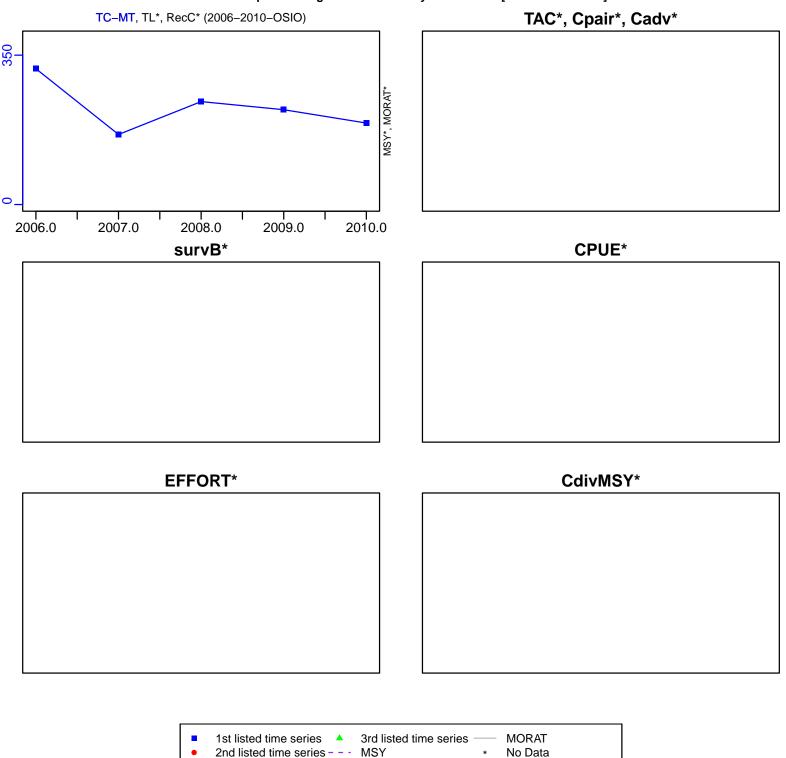
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2010	0.48
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2010	171		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*
Opawiici i (Corait	i ioaaotioii

◆ Start Year ◆ End Year \* No Data

TB*	SSB*
TN *	F*
ER*	Recruits*
ER	Recruits
Listed time series Ta	arget BRP — Rec-Est m BRP * No Data

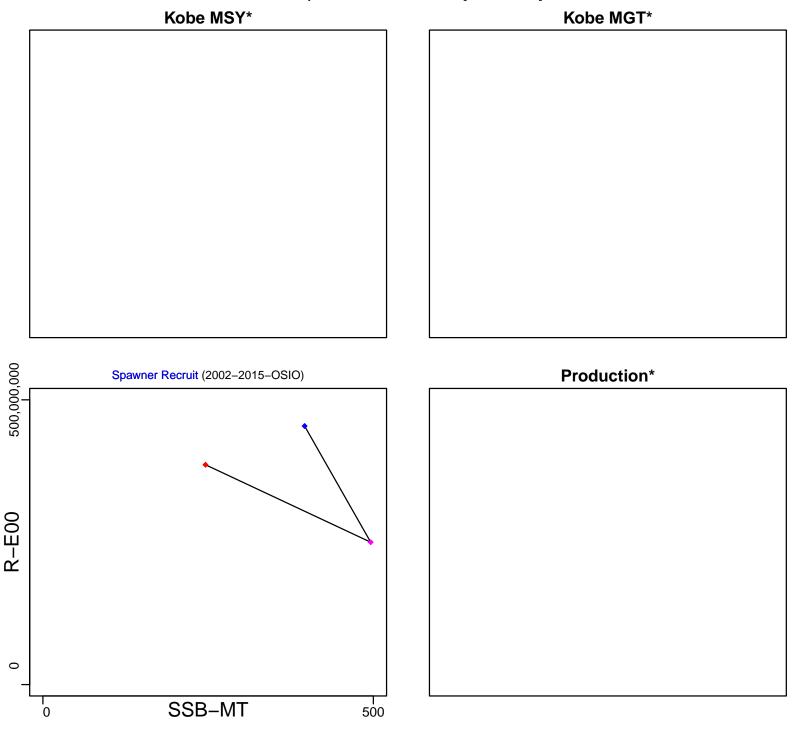


# **European seabass Gulf of Lions [EBASSGSA7]**

Metadata		
Scientific Name	Dicentrarchus labrax	
Current Assess ID	STECF-EBASSGSA7-2002-2015-OSIO	
Area	Gulf of Lions	
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Scientific, Technical and Economic Committee for Fisheries	
Asmts in RAM	2015	

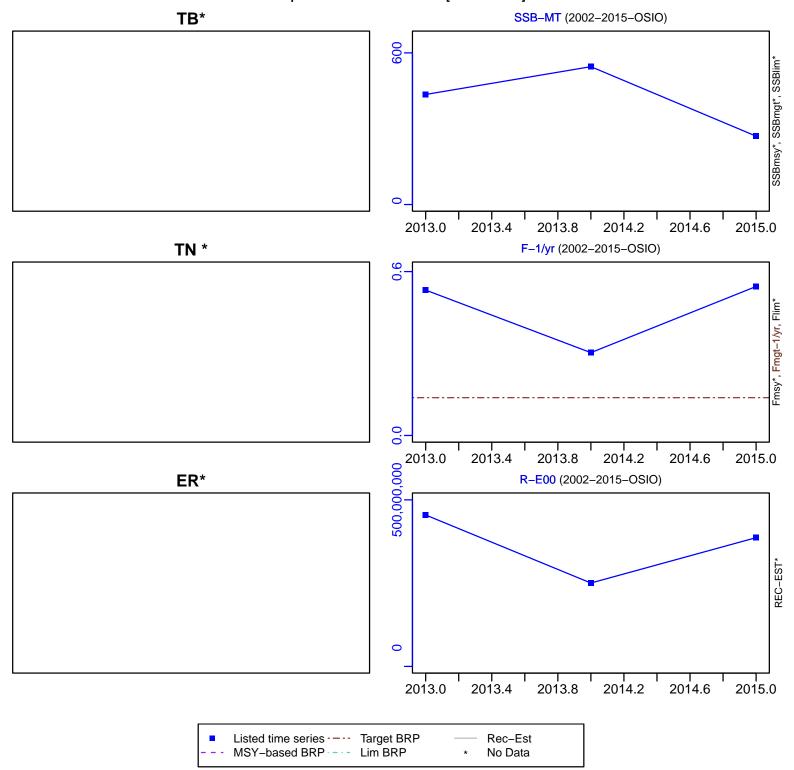
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2015	0.136	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2015	246	-	-
TN	-	-	-	-	-
R	R-E00	2015	$3.86 \times 10^{8}$	-	-
F	F-1/yr	2015	0.536	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	272		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	3.941		
ER/ERmgt	-	-	-		

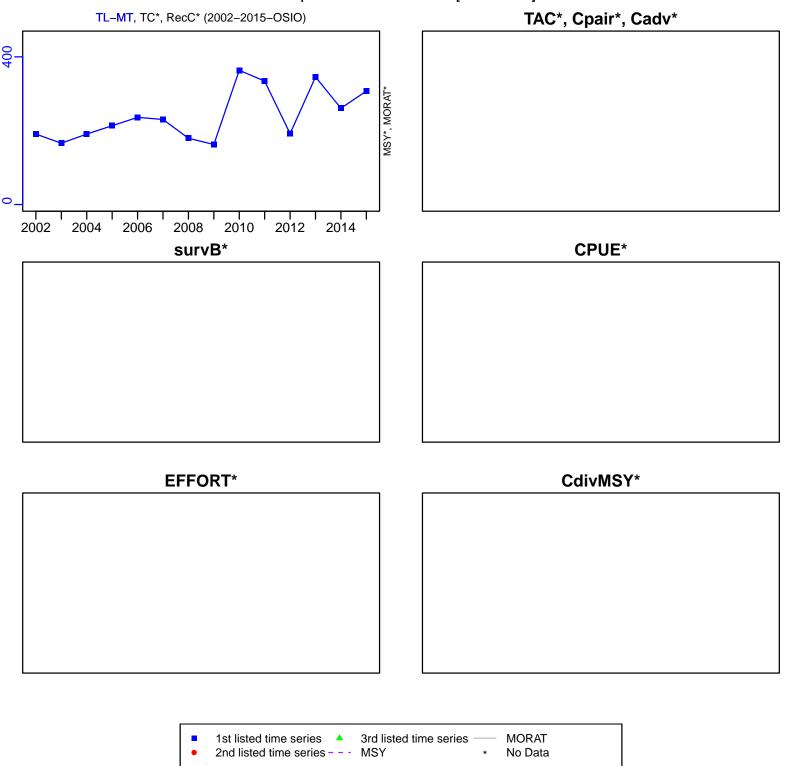


Start Year • End Year \* No Data

#### **European seabass Gulf of Lions [EBASSGSA7]**



#### **European seabass Gulf of Lions [EBASSGSA7]**



Metadata		
Scientific Name	Phycis blennoides	
Current Assess ID	STECF-GFORKBMEDGSA9-2007-2011-OSIO	
Area	Ligurian and North Tyrrhenian Sea	
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Scientific, Technical and Economic Committee for Fisheries	
Asmts in RAM	2011	

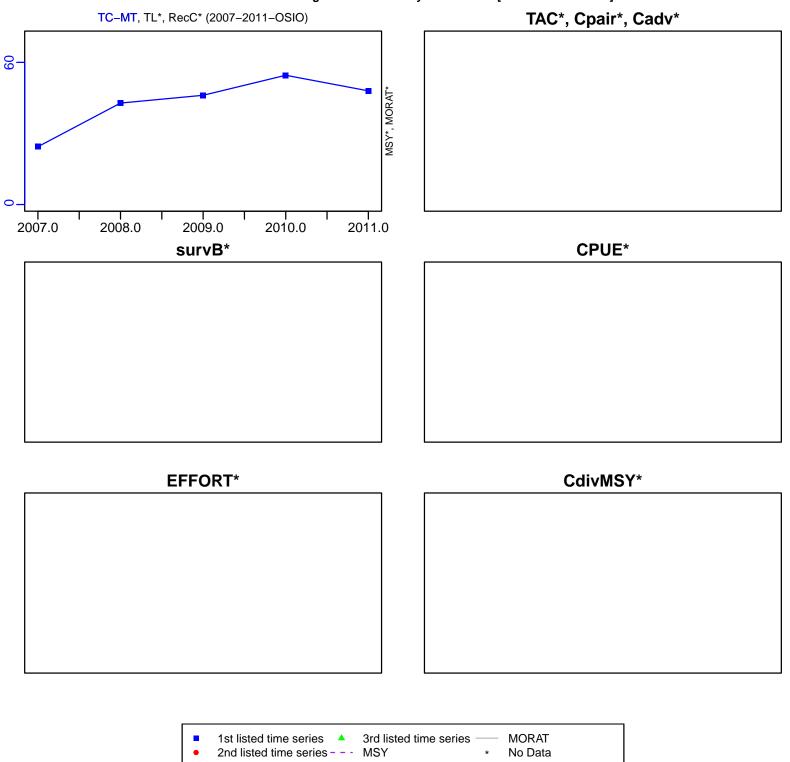
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2011	0.32		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	41		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Snawner Recruit*	Production*
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

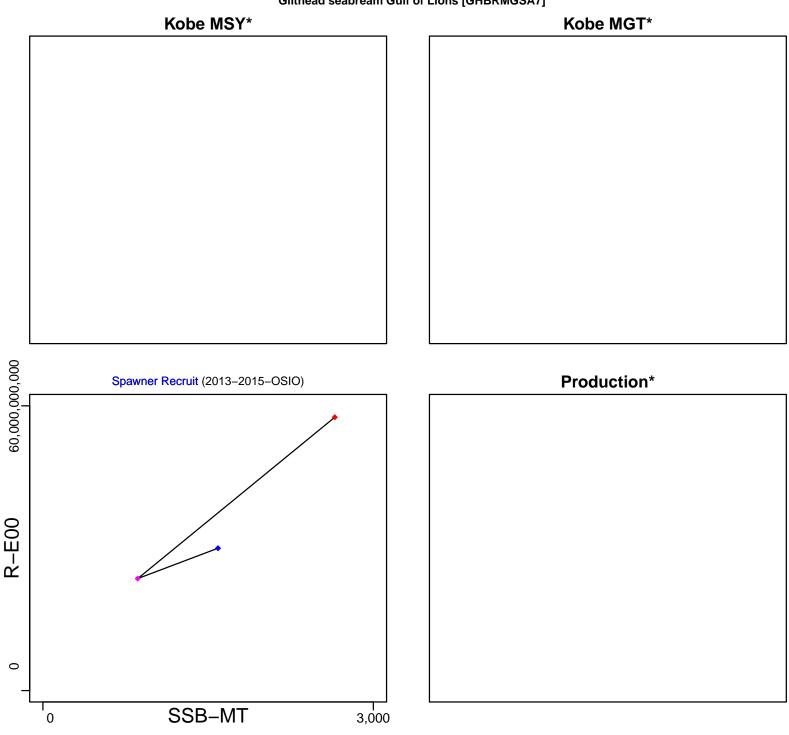
TB*	SSB*
TN *	<b>F</b> *
ER*	Recruits*
EK	Recruits
Listed time series Ta	arget BRP — Rec-Est
MSY-based BRP Li	m BRP * No Data



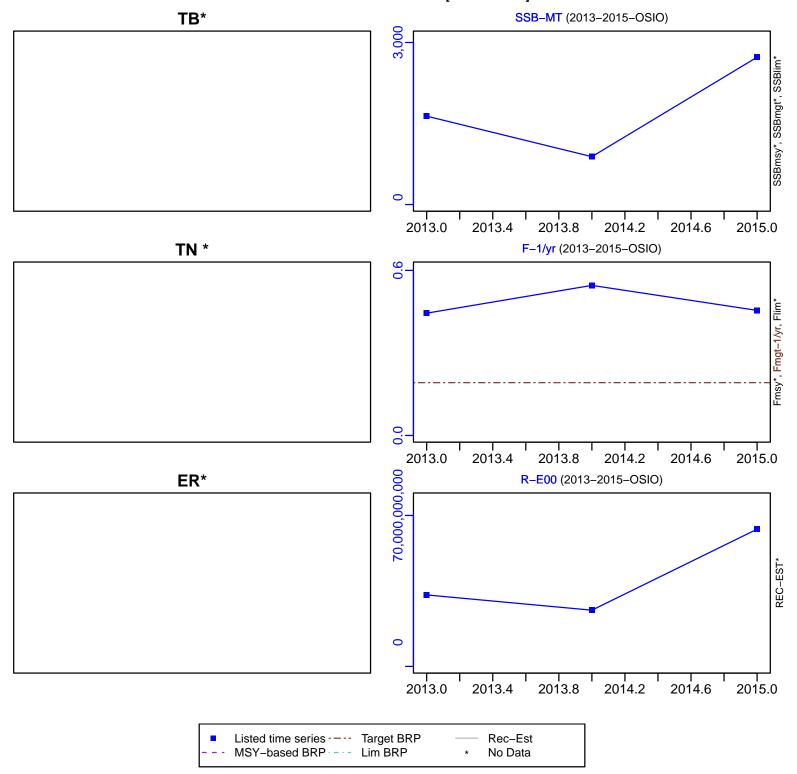
Metadata			
Scientific Name	Sparus aurata		
Current Assess ID	STECF-GHBRMGSA7-2013-2015-OSIO		
Area	Gulf of Lions		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2015		

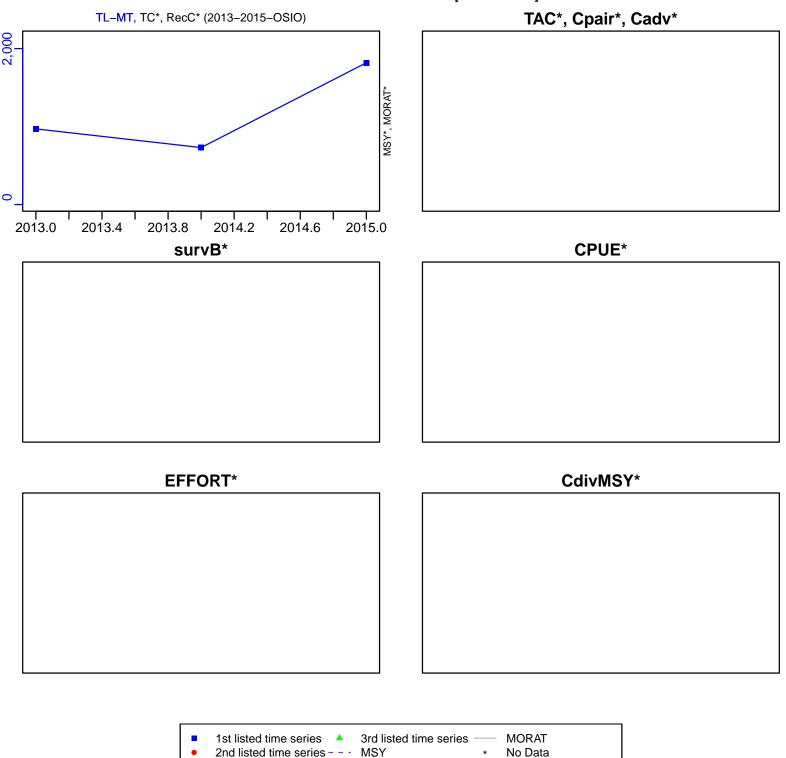
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2015	0.19	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2015	2650	-	-
TN	-	-	-	-	-
R	R-E00	2015	$5.76 \times 10^{10}$	-	-
F	F-1/yr	2015	0.45	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	1700	1	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	2.368		
ER/ERmgt	-	-	-		



Start Year • End Year \* No Data



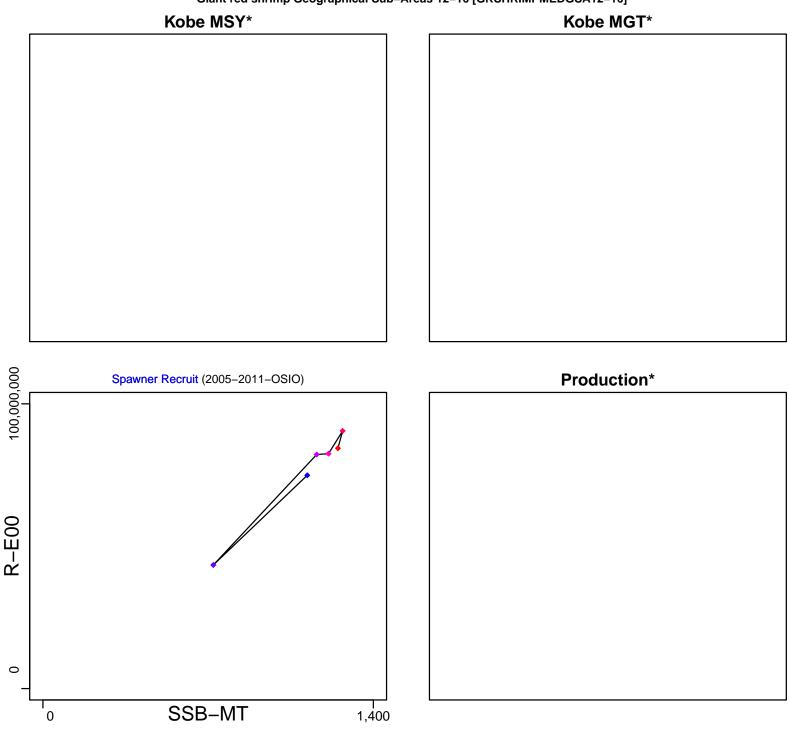


# Giant red shrimp Geographical Sub-Areas 12-16 [GRSHRIMPMEDGSA12-16]

Metadata			
Scientific Name	Aristaeomorpha foliacea		
Current Assess ID	STECF-GRSHRIMPMEDGSA12-16-2005-2011-OSIO		
Area	Geographical Sub-Areas 12-16		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2011		

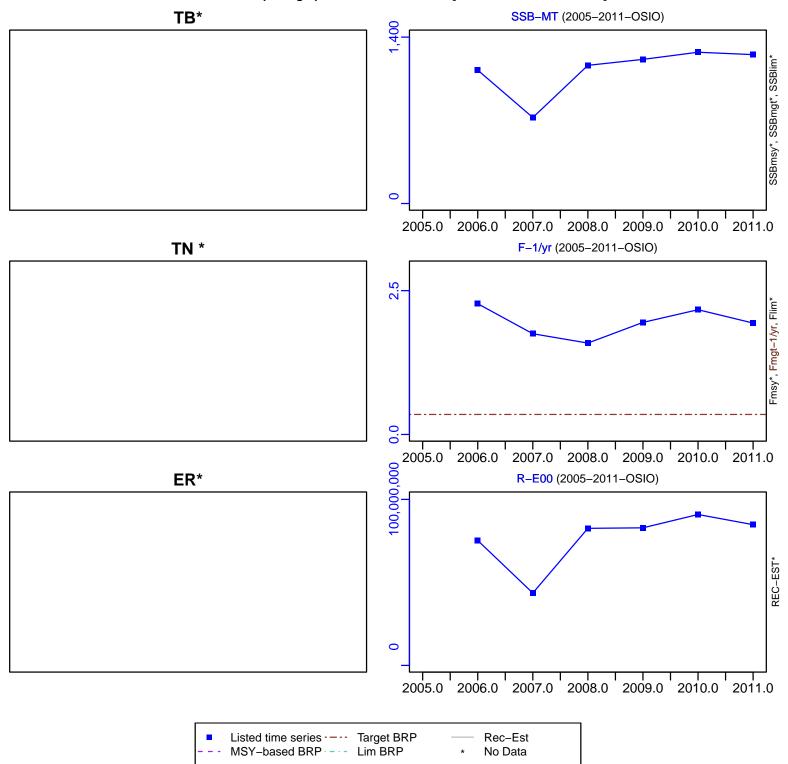
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2011	0.3		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2011	1250	-	1+
TN	-	-	-	-	-
R	R-E00	2011	84,400,000	-	-
F	F-1/yr	2011	1.67	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	1590		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	5.567		
ER/ERmgt	-	-	-		

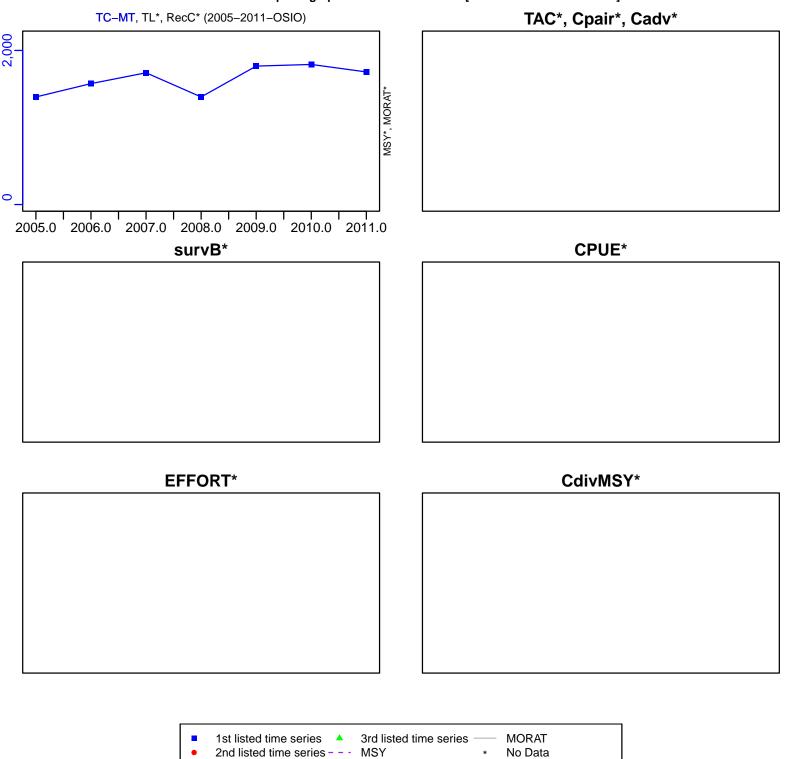


Start Year ◆ End Year \* No Data

#### Giant red shrimp Geographical Sub-Areas 12-16 [GRSHRIMPMEDGSA12-16]



## Giant red shrimp Geographical Sub-Areas 12-16 [GRSHRIMPMEDGSA12-16]

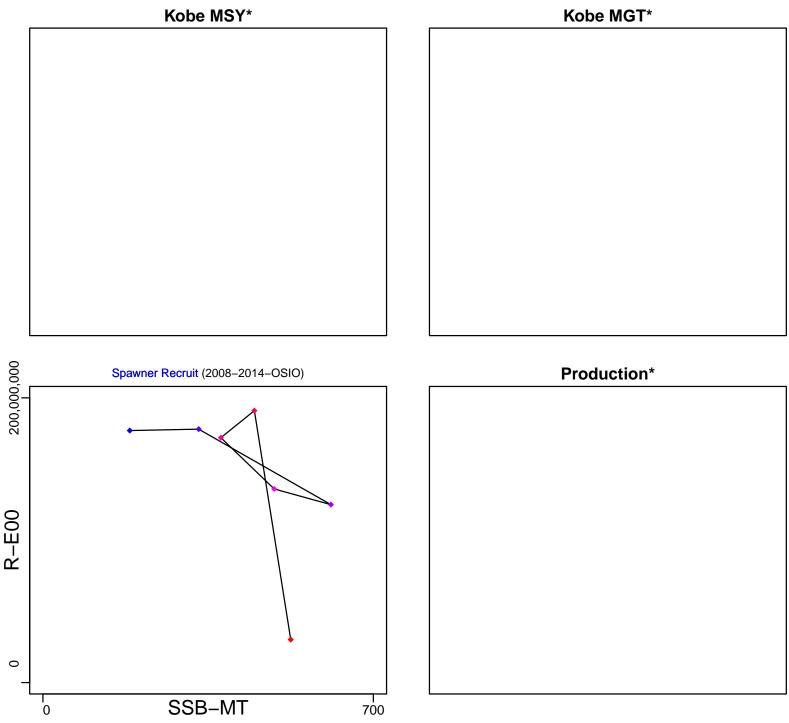


# Giant red shrimp South Adriatic Sea and West Ionian Sea (GSA 18,19) [GRSHRIMPMEDGSA18-19]

Metadata			
Scientific Name	Aristaeomorpha foliacea		
Current Assess ID	STECF-GRSHRIMPMEDGSA18-19-2008-2014-OSIO		
Area	South Adriatic Sea and West Ionian Sea (GSA 18,19)		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2014		

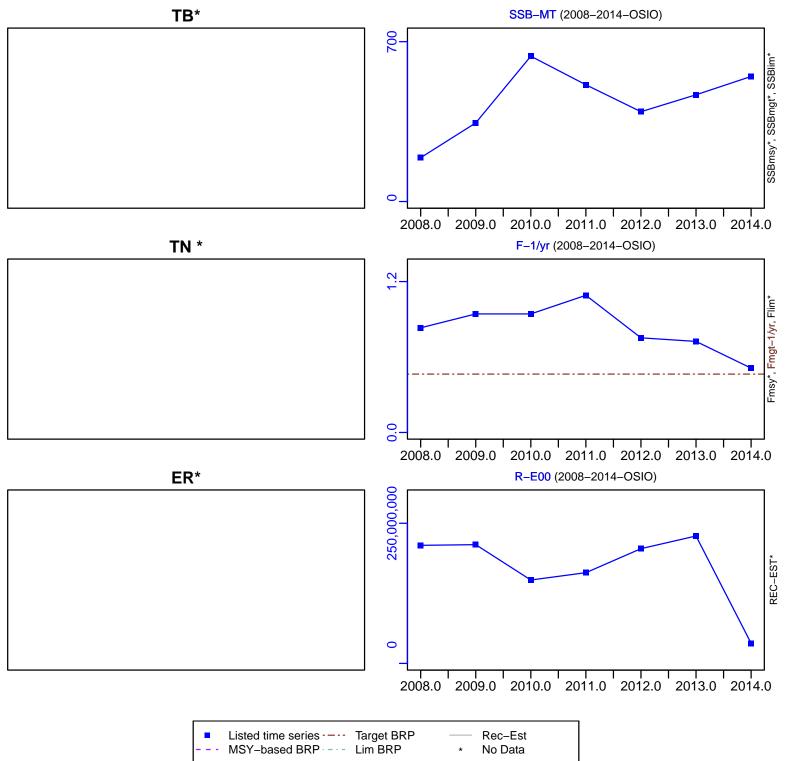
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-		
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2014	0.42	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

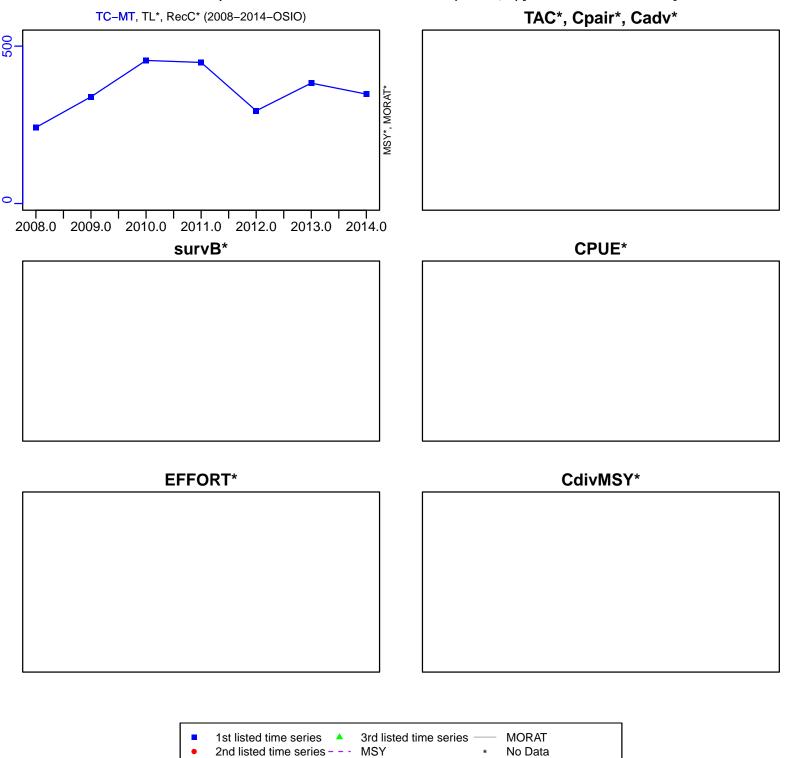
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2014	525	-	1+
TN	-	-	-	-	-
R	R-E00	2014	30,200,000	-	-
F	F-1/yr	2014	0.463	-	-
ER	-	-	-	-	-
TC	TC-MT	2014	328		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.102		
ER/ERmgt	-	-	-		



Start Year • End Year \* No Data

### Giant red shrimp South Adriatic Sea and West Ionian Sea (GSA 18,19) [GRSHRIMPMEDGSA18-19]



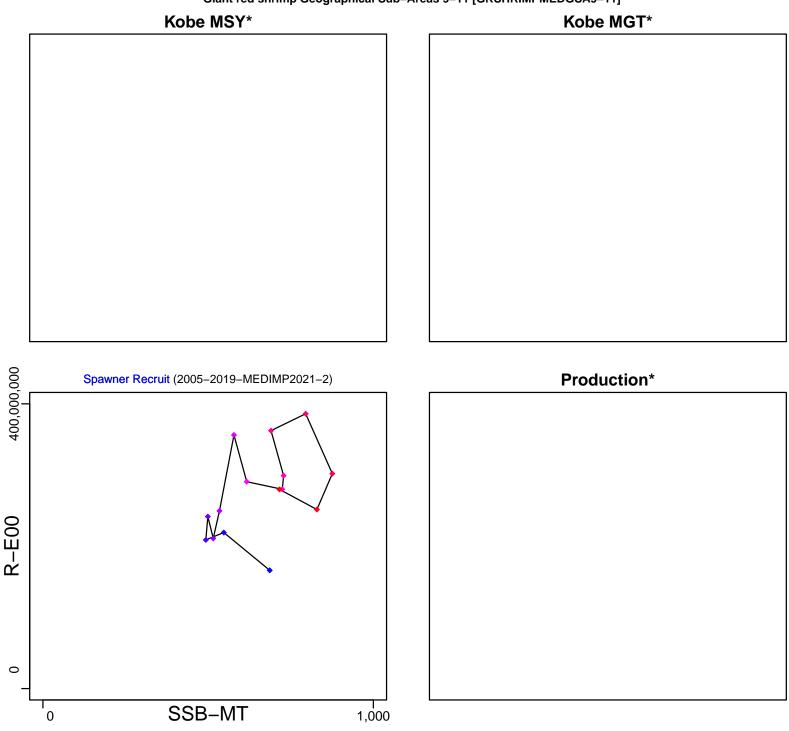


# Giant red shrimp Geographical Sub-Areas 9-11 [GRSHRIMPMEDGSA9-11]

Metadata			
Scientific Name	Aristaeomorpha foliacea		
Current Assess ID	STECF-GRSHRIMPMEDGSA9-11-2005-2019-MEDIMP2021-2		
Area Geographical Sub-Areas 9-11			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2019		

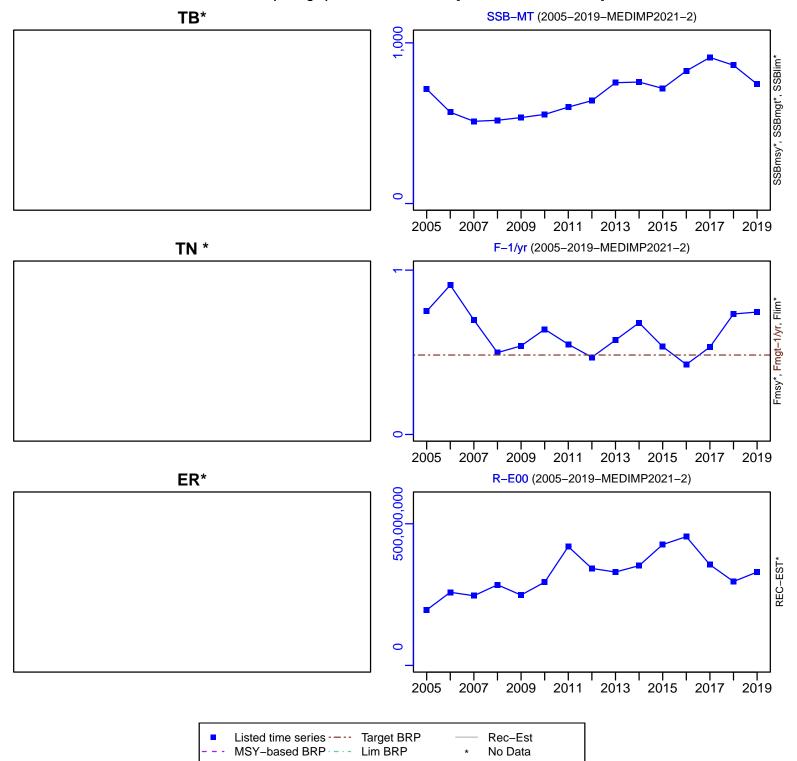
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2019	0.476	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М		-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2019	716	-	-
TN	-	-	-	-	-
R	R-E00	2019	279,817,380	-	-
F	F-1/yr	2019	0.734	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	571		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	1.541		
ER/ERmgt	-	-	-		

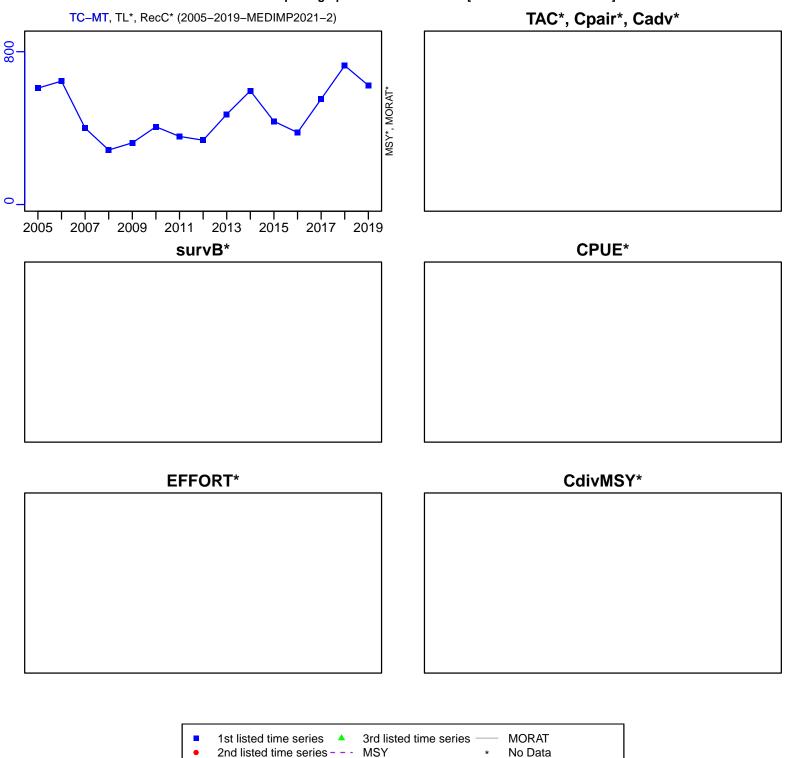


Start Year • End Year \* No Data

#### Giant red shrimp Geographical Sub-Areas 9-11 [GRSHRIMPMEDGSA9-11]



## Giant red shrimp Geographical Sub-Areas 9-11 [GRSHRIMPMEDGSA9-11]



# Hake Malta Island and South of Sicily (GSA 15, 16) [HAKEMEDGSA15-16]

Metadata			
Scientific Name	Merluccius merluccius		
Current Assess ID	STECF-HAKEMEDGSA15-16-2005-2009-OSIO		
Area	Malta Island and South of Sicily (GSA 15, 16)		
Management Authority General Fisheries Council for the Mediterranean, DG MARE, and national			
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2009		

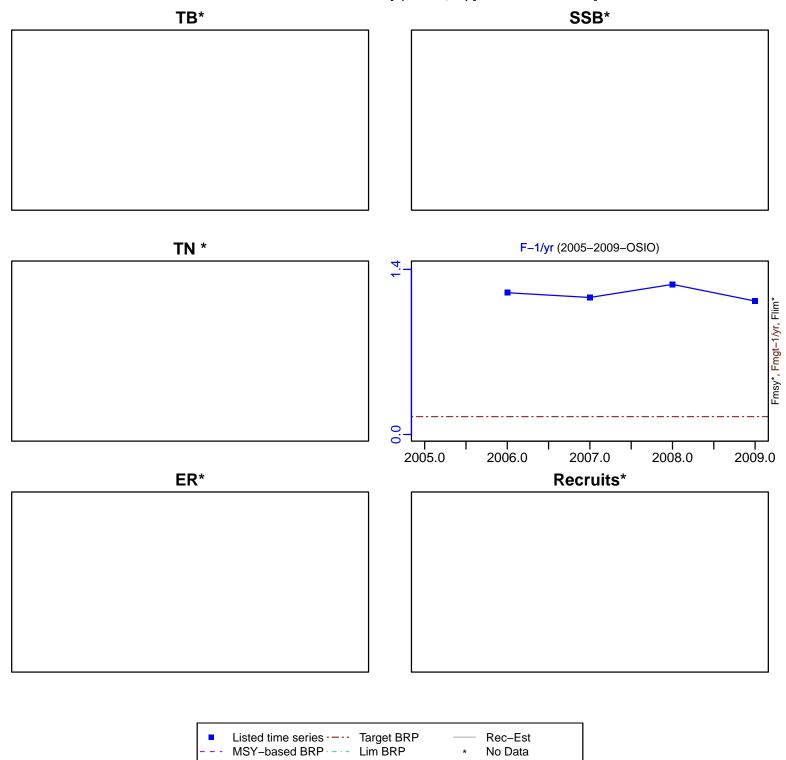
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2009	0.15		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2009	1.12	-	-
ER	-	-	-	-	-
TC	TC-MT	2009	1590		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2009	7.467		
ER/ERmgt	-	-	-		

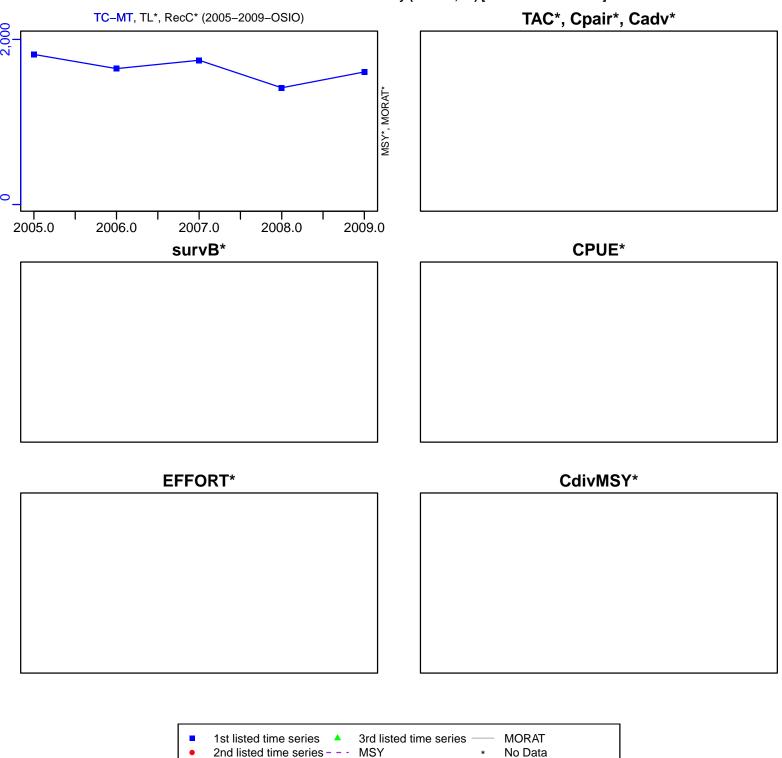
Hake Malta Island and South of Sicily (GSA 15, 16) [HAKEMEDGSA15-16]

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*
Spannor Restain	1 1044511611
opannor reorait	
opannor recordic	
opannor nooran	
opannor nooran	
opannor nooran	

◆ Start Year ◆ End Year \* No Data



### Hake Malta Island and South of Sicily (GSA 15, 16) [HAKEMEDGSA15-16]

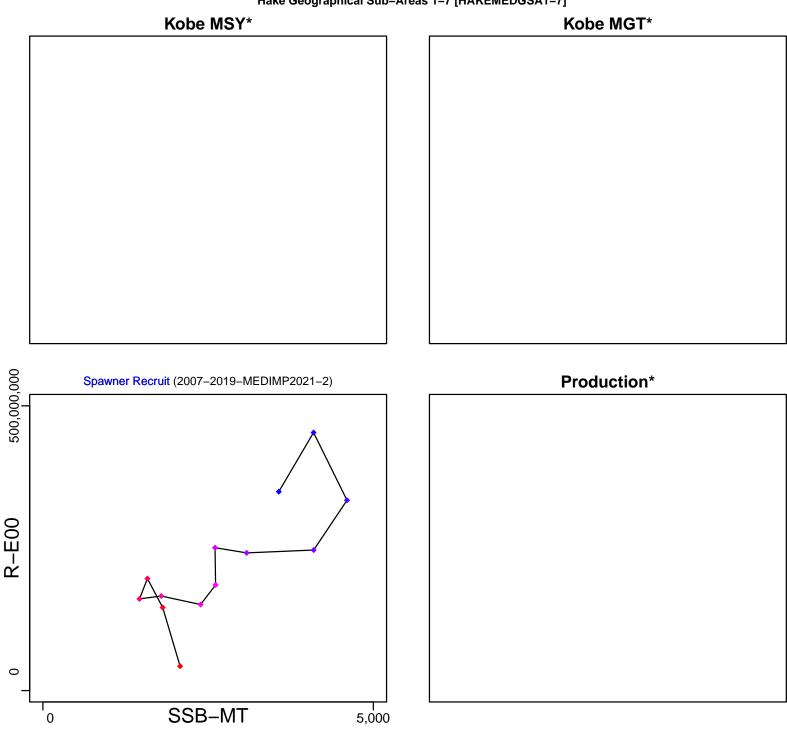


# Hake Geographical Sub-Areas 1-7 [HAKEMEDGSA1-7]

Metadata			
Scientific Name	Merluccius merluccius		
Current Assess ID	STECF-HAKEMEDGSA1-7-2007-2019-MEDIMP2021-2		
Area	Geographical Sub-Areas 1-7		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2014, 2019		

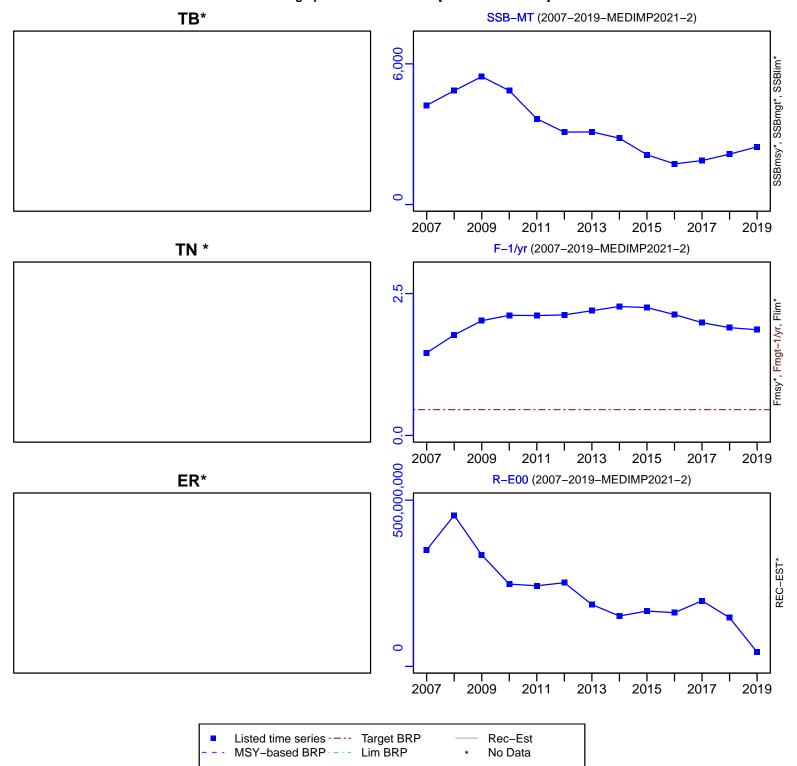
Reference Points						
Туре	ID Asmt Year Value					
TBmsy	-	-	-			
SSBmsy	-	-	-			
Fmsy	-	-	-			
ERmsy	-	-	-			
TBmgt	-	-	-			
SSBmgt	-	-	-			
Fmgt	Fmgt-1/yr	2019	0.388			
ERmgt	-	-	-			
TB0	-	-	-			
SSB0	-	-	-			
MSY	-	-	-			
M	-	-	-			
TBlim	-	-	-			
SSBlim	SSBlim-MT	2014	5186			
Flim	-	-	-			
ERlim	-	-	-			

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2019	2076	-	-
TN	-	-	-	-	-
R	R-E00	2019	42,849,214	-	-
F	F-1/yr	2019	1.585	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	3148		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	4.085		
ER/ERmgt	-	-	-		

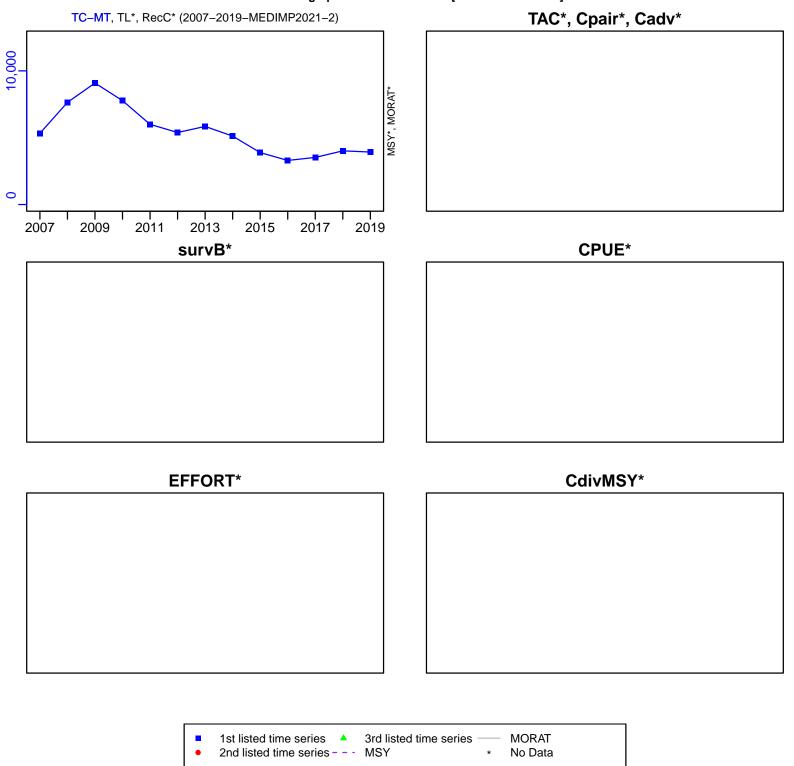


Start Year • End Year \* No Data

#### Hake Geographical Sub-Areas 1-7 [HAKEMEDGSA1-7]



### Hake Geographical Sub-Areas 1-7 [HAKEMEDGSA1-7]

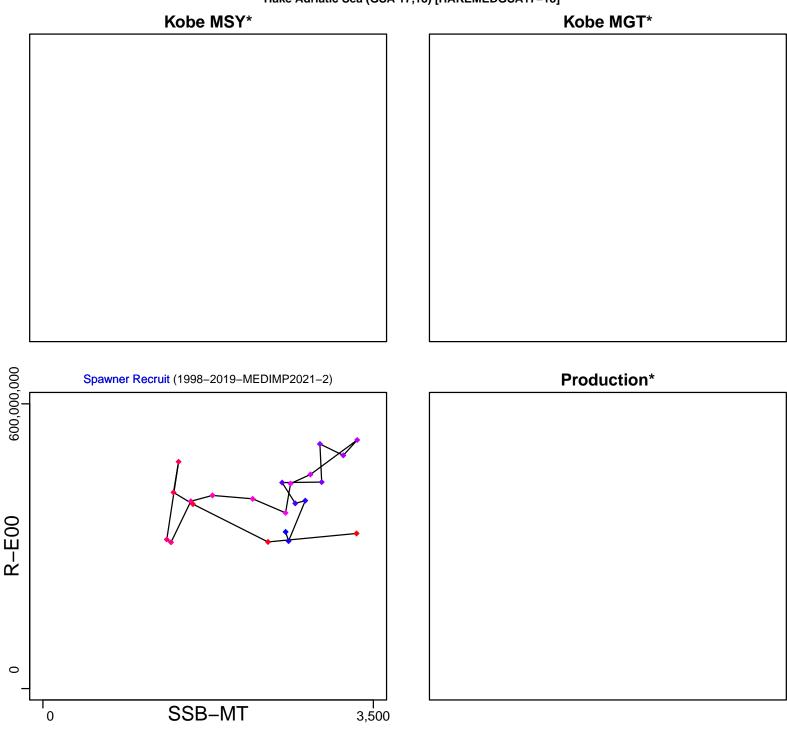


# Hake Adriatic Sea (GSA 17,18) [HAKEMEDGSA17-18]

Metadata			
Scientific Name	Merluccius merluccius		
Current Assess ID	STECF-HAKEMEDGSA17-18-1998-2019-MEDIMP2021-2		
Area	Adriatic Sea (GSA 17,18)		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2019, 2014		

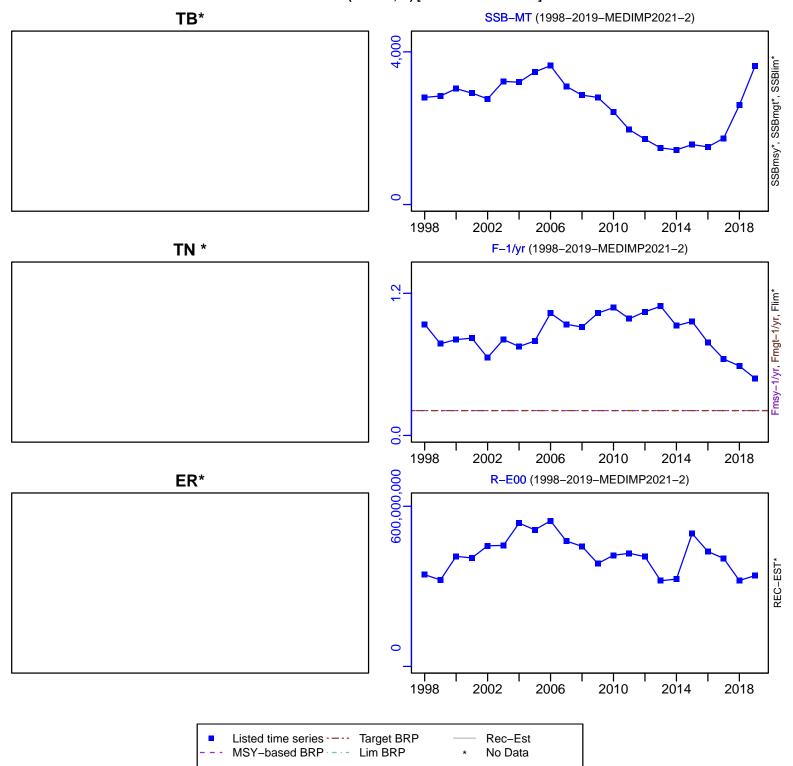
Reference Points					
Type ID Asmt Year Va					
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2019	0.179		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2019	0.179		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2019	3322	-	-
TN	-	-	-	-	-
R	R-E00	2019	326,847,000	-	-
F	F-1/yr	2019	0.41	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	5361		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2019	2.291		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	2.291		
ER/ERmgt	-	-	-		

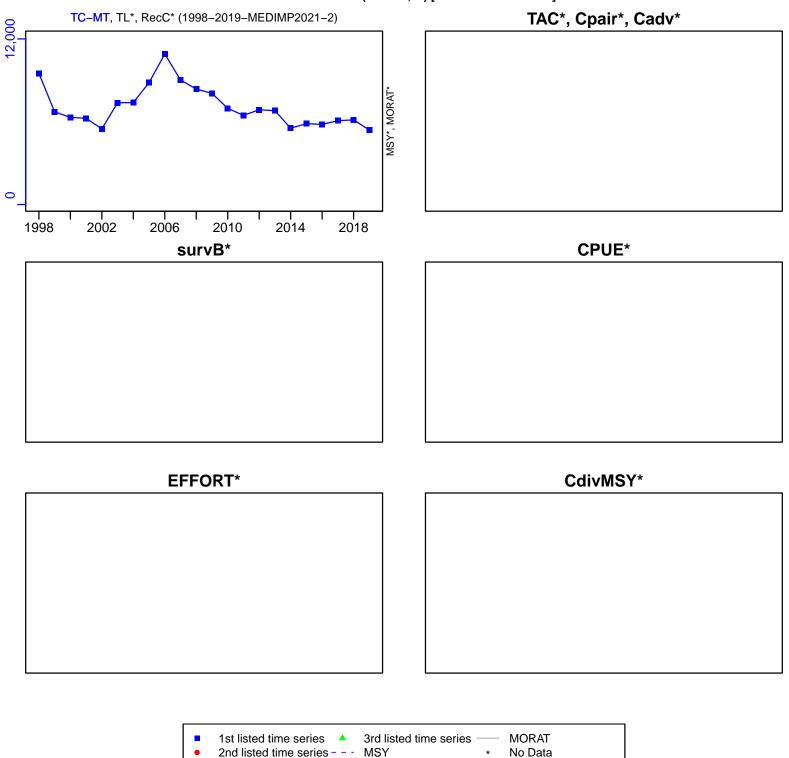


Start Year • End Year \* No Data

### Hake Adriatic Sea (GSA 17,18) [HAKEMEDGSA17-18]



### Hake Adriatic Sea (GSA 17,18) [HAKEMEDGSA17-18]

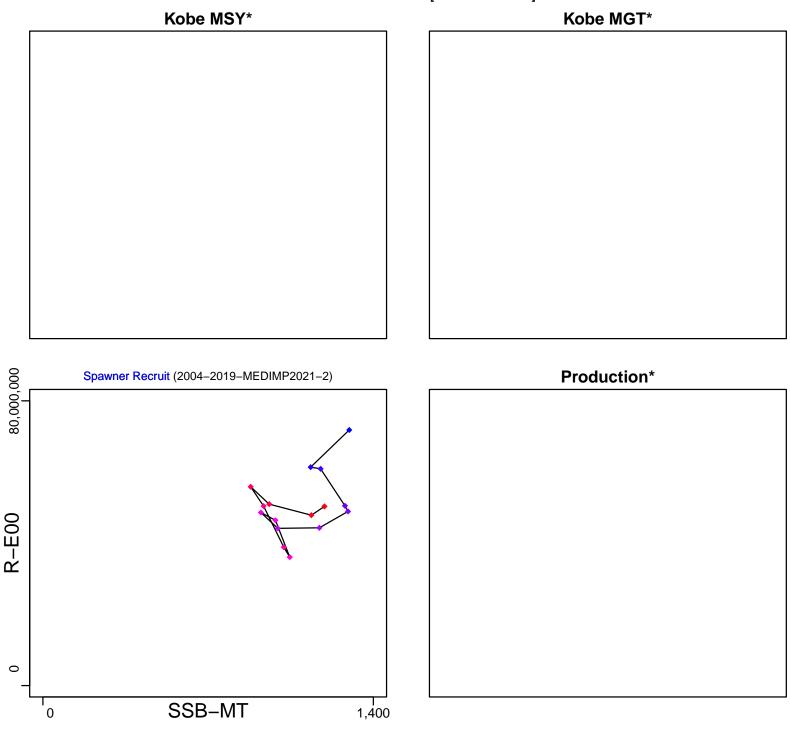


# Hake Western Ionian Sea [HAKEMEDGSA19]

Metadata			
Scientific Name	Merluccius merluccius		
Current Assess ID	STECF-HAKEMEDGSA19-2004-2019-MEDIMP2021-2		
Area	Western Ionian Sea		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2019, 2014		

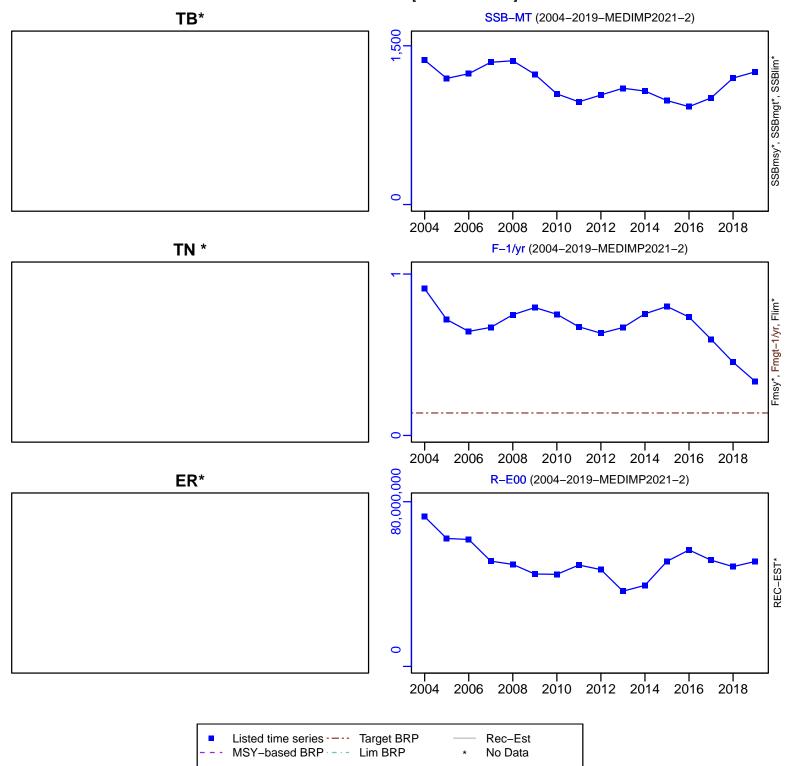
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2019	0.135	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2019	1193	-	-
TN	-	-	-	-	-
R	R-E00	2019	50,329,414	-	-
F	F-1/yr	2019	0.325	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	594		
TL	-	-	-	1	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	2.405		
ER/ERmgt	-	-	-		

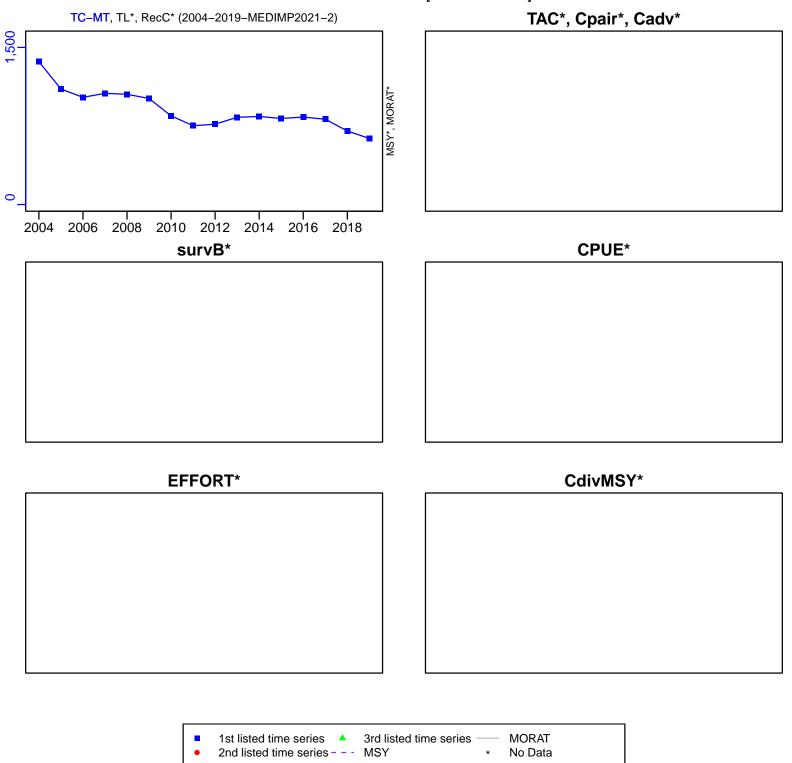


Start Year • End Year \* No Data

#### Hake Western Ionian Sea [HAKEMEDGSA19]



#### Hake Western Ionian Sea [HAKEMEDGSA19]

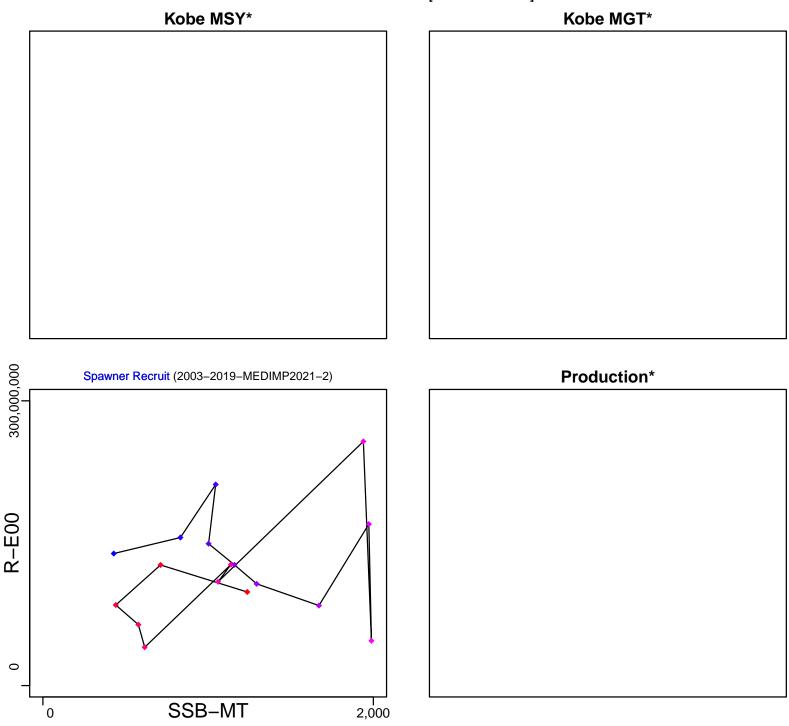


# Hake Eastern Ionian Sea [HAKEMEDGSA20]

Metadata			
Scientific Name	Merluccius merluccius		
Current Assess ID	STECF-HAKEMEDGSA20-2003-2019-MEDIMP2021-2		
Area	Eastern Ionian Sea		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2008, 2019		

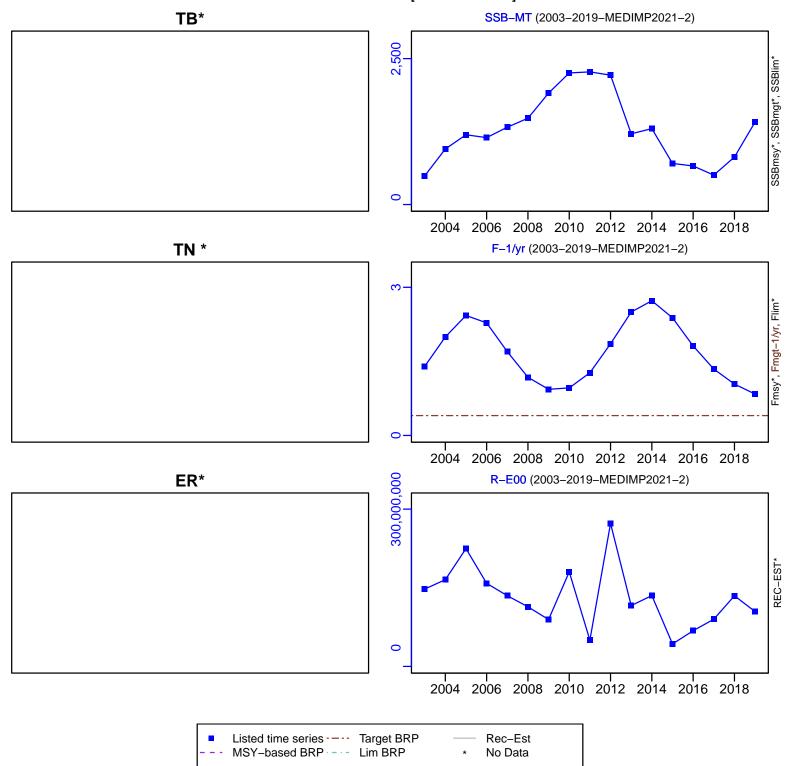
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2019	0.358	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2019	1237	-	-
TN	-	-	-	-	-
R	R-E00	2019	98,572,383	-	-
F	F-1/yr	2019	0.745	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	872		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	2.082		
ER/ERmgt	-	-	-		

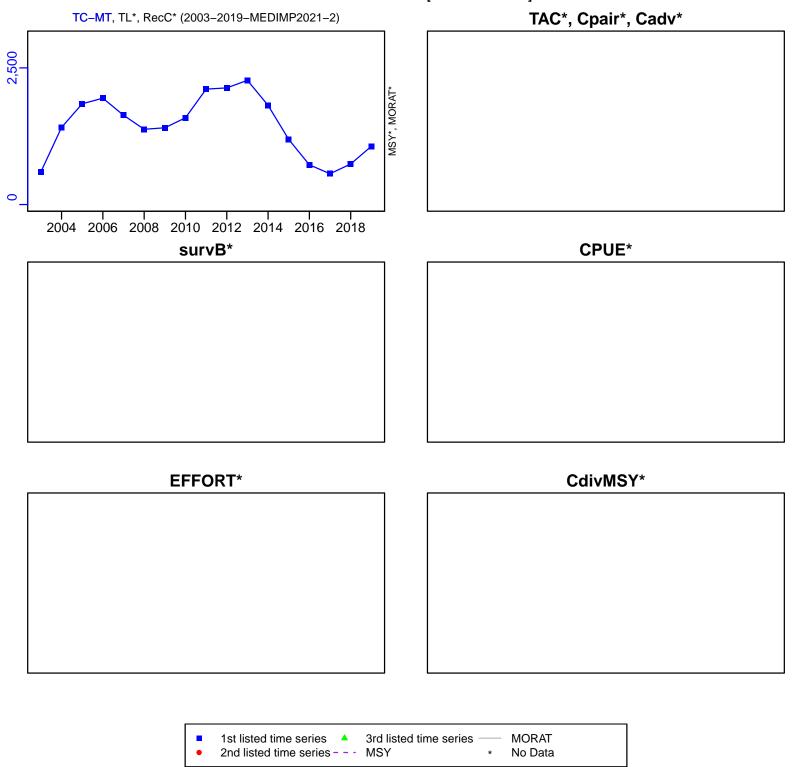


Start Year • End Year \* No Data

#### Hake Eastern Ionian Sea [HAKEMEDGSA20]



#### Hake Eastern Ionian Sea [HAKEMEDGSA20]

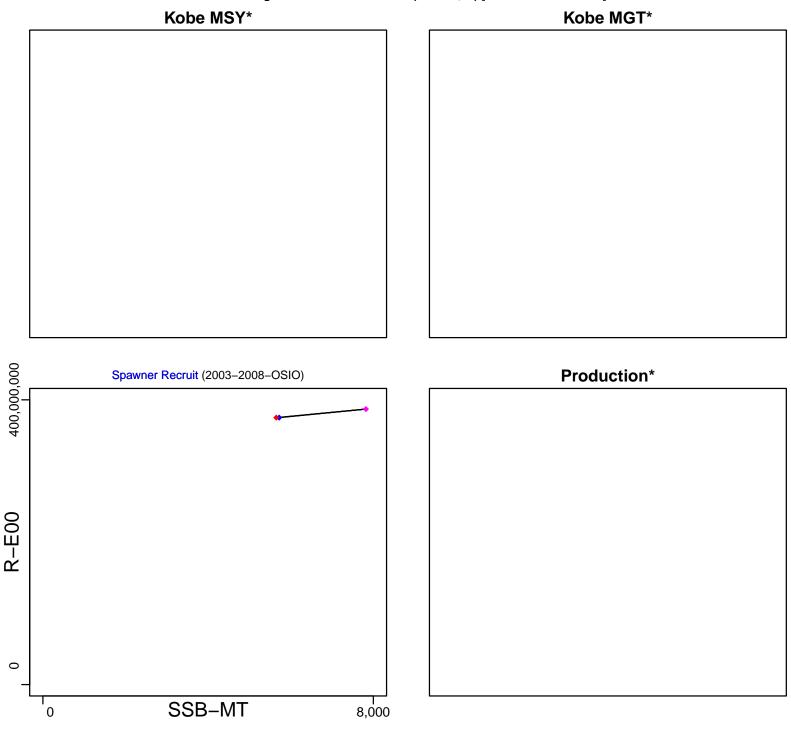


# Hake Aegean Sea and Crete Island (GSA 22,23) [HAKEMEDGSA22-23]

Metadata				
Scientific Name	Merluccius merluccius			
Current Assess ID	STECF-HAKEMEDGSA22-23-2003-2008-OSIO			
Area	Aegean Sea and Crete Island (GSA 22,23)			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states			
Assessor	Scientific, Technical and Economic Committee for Fisheries			
Asmts in RAM	2008			

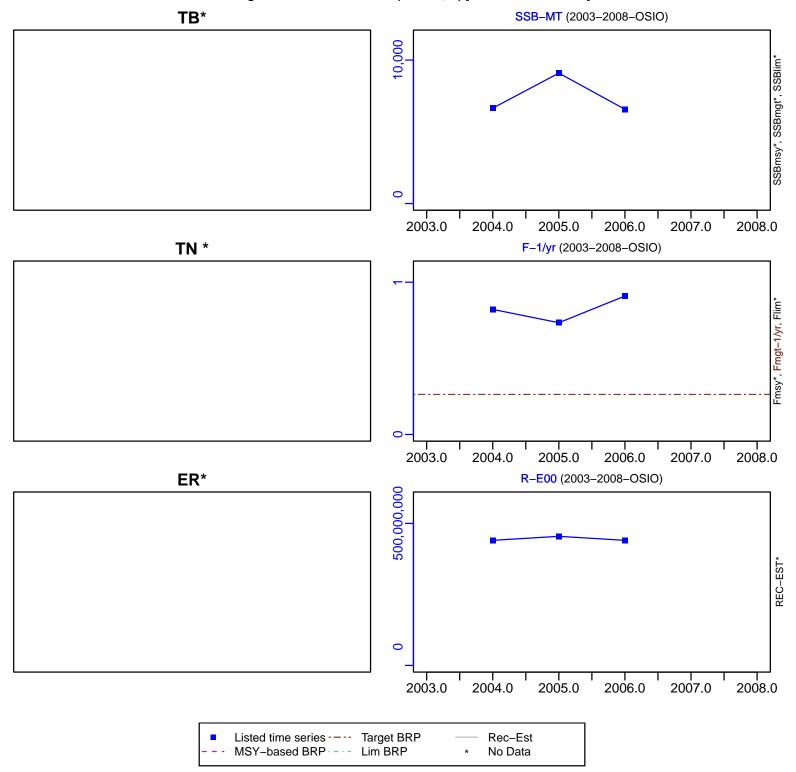
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2008	0.24	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2008	5650	-	2+
TN	-	-	-	-	-
R	R-E00	2008	$3.75 \times 10^{8}$	-	-
F	F-1/yr	2008	0.83	-	-
ER	-	-	-	-	-
TC	TC-MT	2008	7160		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2008	3.458		
ER/ERmgt	-	-	-		

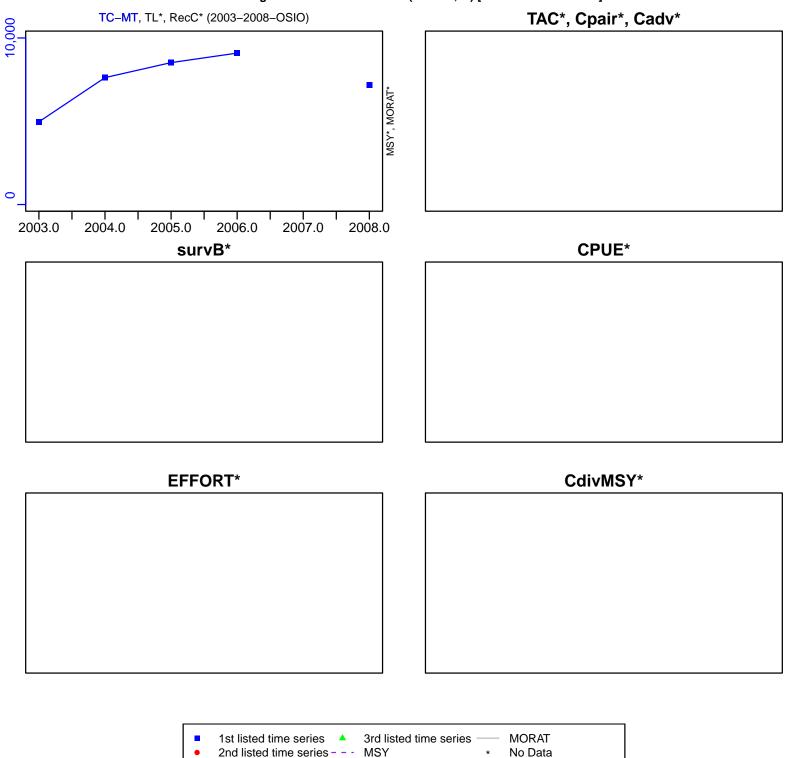


Start Year • End Year \* No Data

#### Hake Aegean Sea and Crete Island (GSA 22,23) [HAKEMEDGSA22-23]



### Hake Aegean Sea and Crete Island (GSA 22,23) [HAKEMEDGSA22-23]

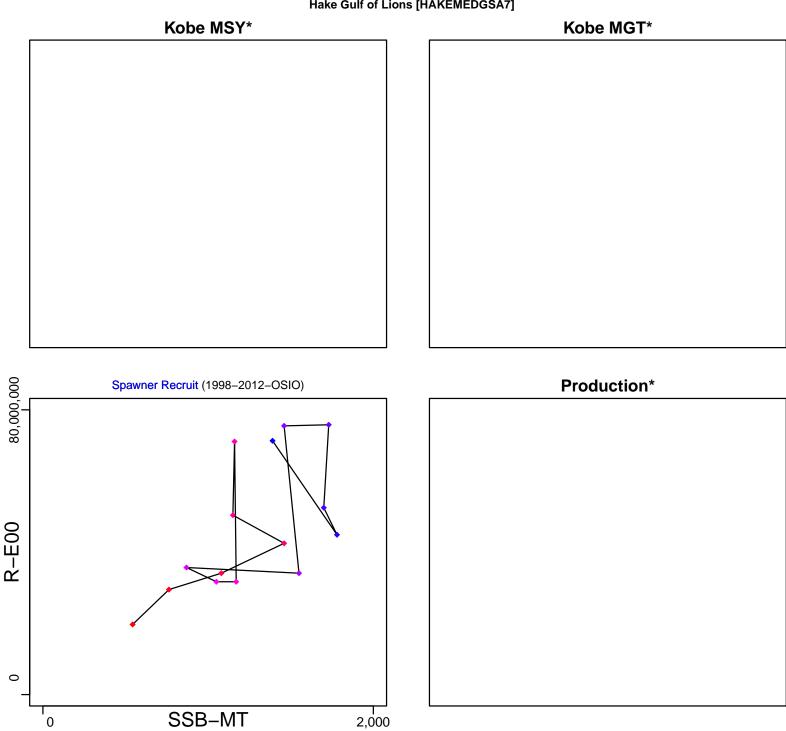


# Hake Gulf of Lions [HAKEMEDGSA7]

Metadata				
Scientific Name	Merluccius merluccius			
Current Assess ID	STECF-HAKEMEDGSA7-1998-2012-OSIO			
Area	Gulf of Lions			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states			
Assessor	Scientific, Technical and Economic Committee for Fisheries			
Asmts in RAM	2012			

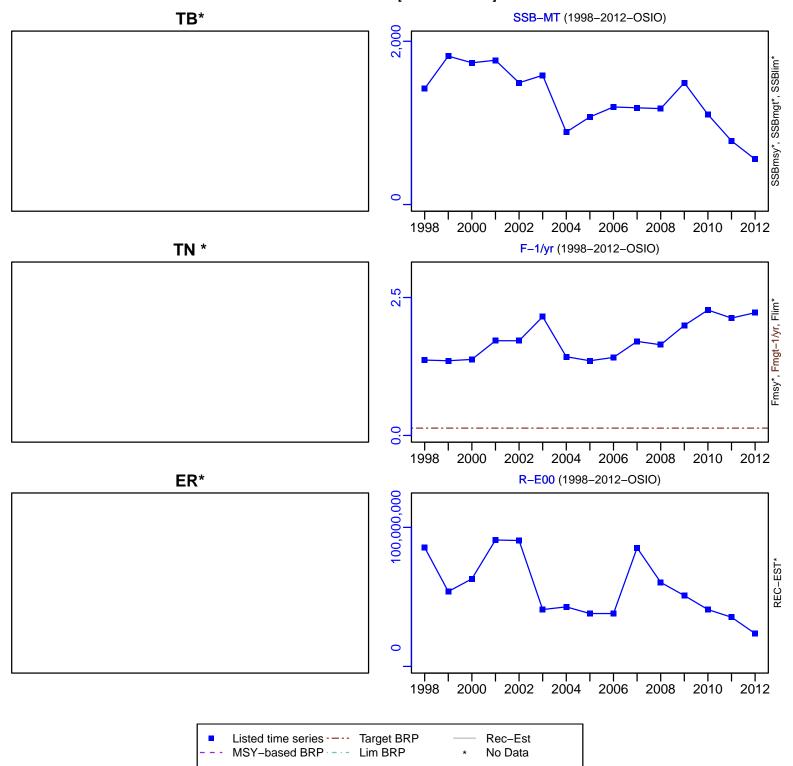
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2012	0.11		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2012	543	-	-
TN	-	-	-	-	-
R	R-E00	2012	19,700,000	-	-
F	F-1/yr	2012	1.84	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2012	1110		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	16.727		
ER/ERmgt	-	-	-		

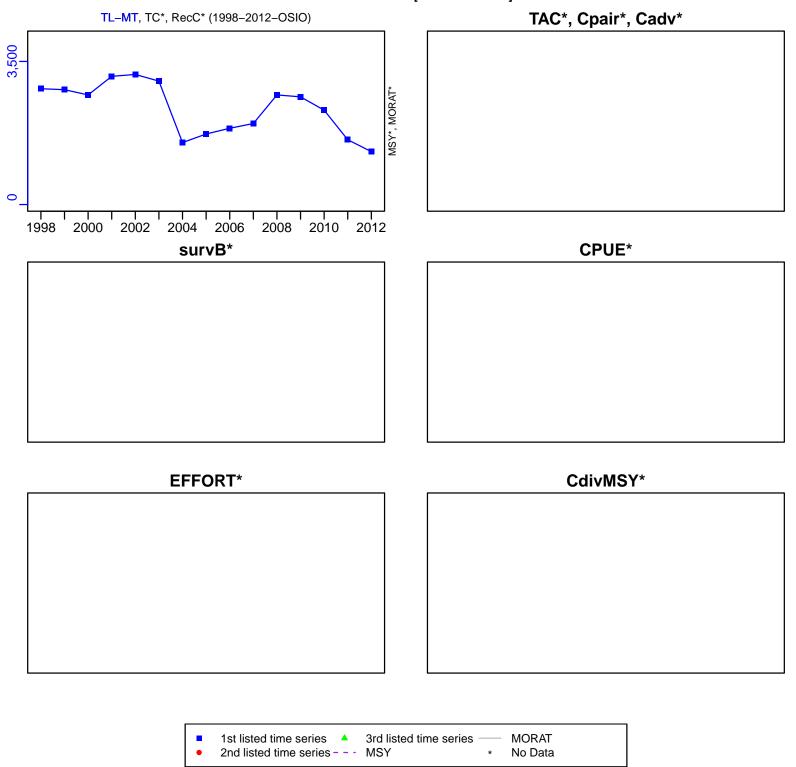


Start Year → End Year → No Data

#### Hake Gulf of Lions [HAKEMEDGSA7]



#### Hake Gulf of Lions [HAKEMEDGSA7]

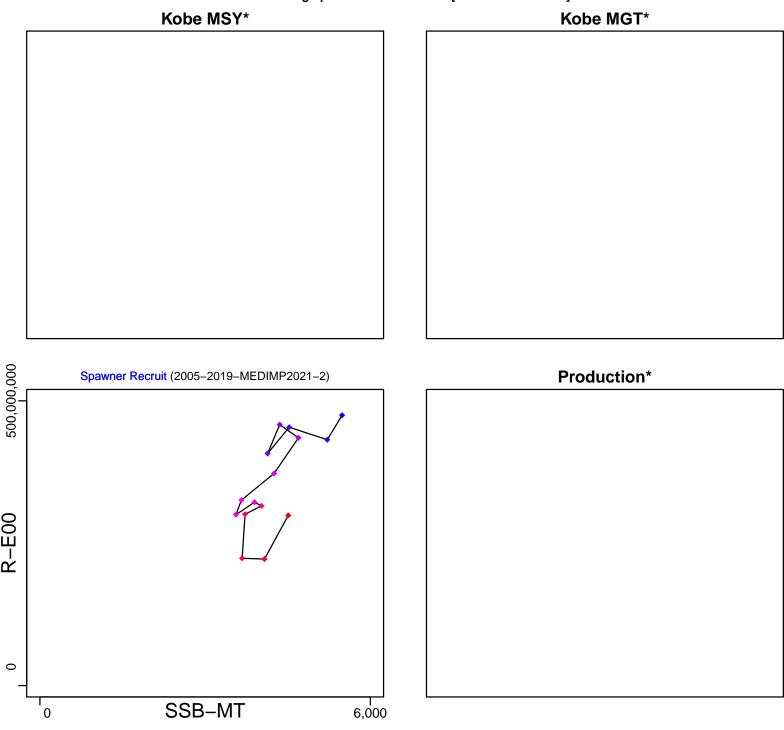


# Hake Geographical Sub-Areas 8-11 [HAKEMEDGSA8-11]

Metadata				
Scientific Name	Merluccius merluccius			
Current Assess ID	STECF-HAKEMEDGSA8-11-2005-2019-MEDIMP2021-2			
Area Geographical Sub-Areas 8-11				
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states			
Assessor	Scientific, Technical and Economic Committee for Fisheries			
Asmts in RAM	2019			

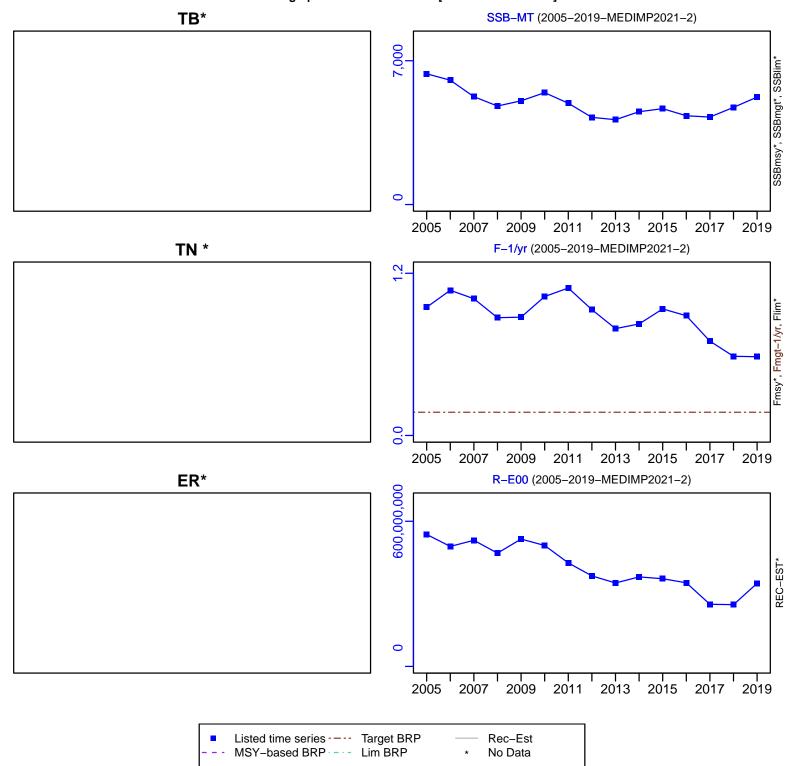
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2019	0.167	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2019	4509	-	-
TN	-	-	-	-	-
R	R-E00	2019	298,907,974	-	-
F	F-1/yr	2019	0.567	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	2075		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	3.391		
ER/ERmgt	-	-	-		

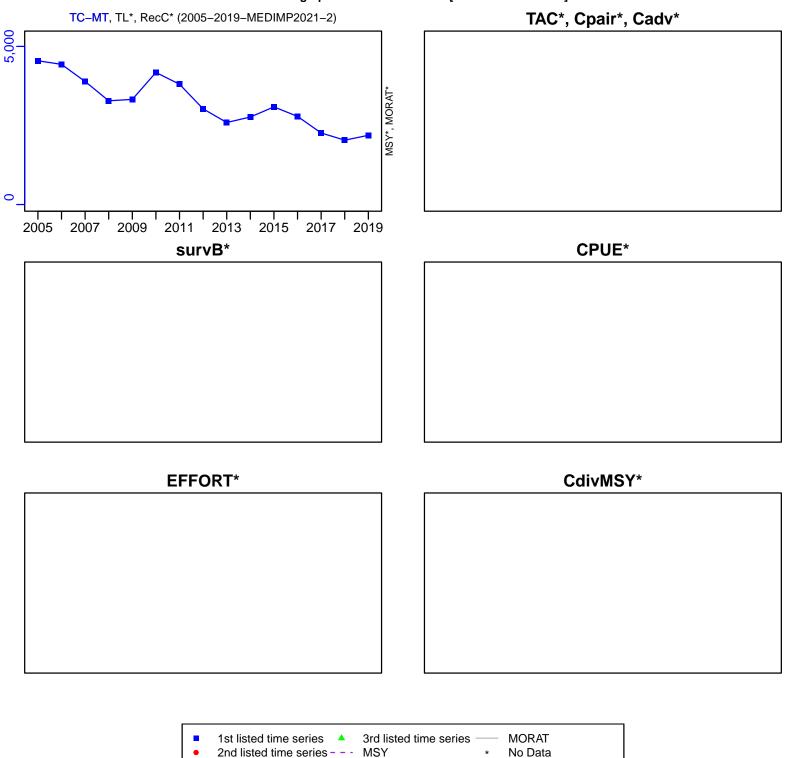


Start Year • End Year \* No Data

#### Hake Geographical Sub-Areas 8-11 [HAKEMEDGSA8-11]



#### Hake Geographical Sub-Areas 8-11 [HAKEMEDGSA8-11]

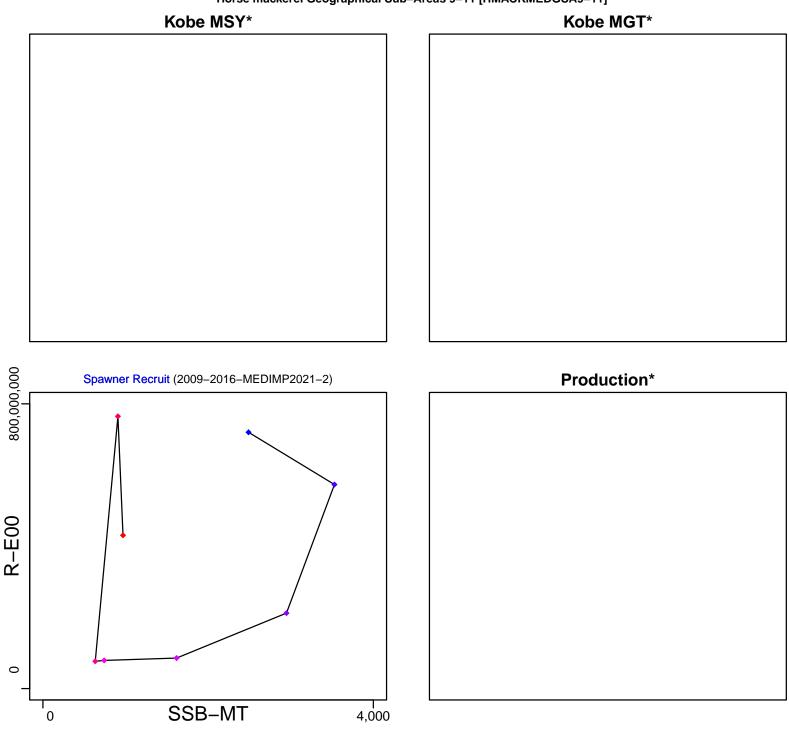


# Horse mackerel Geographical Sub-Areas 9-11 [HMACKMEDGSA9-11]

Metadata				
Scientific Name	Trachurus trachurus			
Current Assess ID	STECF-HMACKMEDGSA9-11-2009-2016-MEDIMP2021-2			
Area	Geographical Sub-Areas 9-11			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states			
Assessor	Scientific, Technical and Economic Committee for Fisheries			
Asmts in RAM	2016			

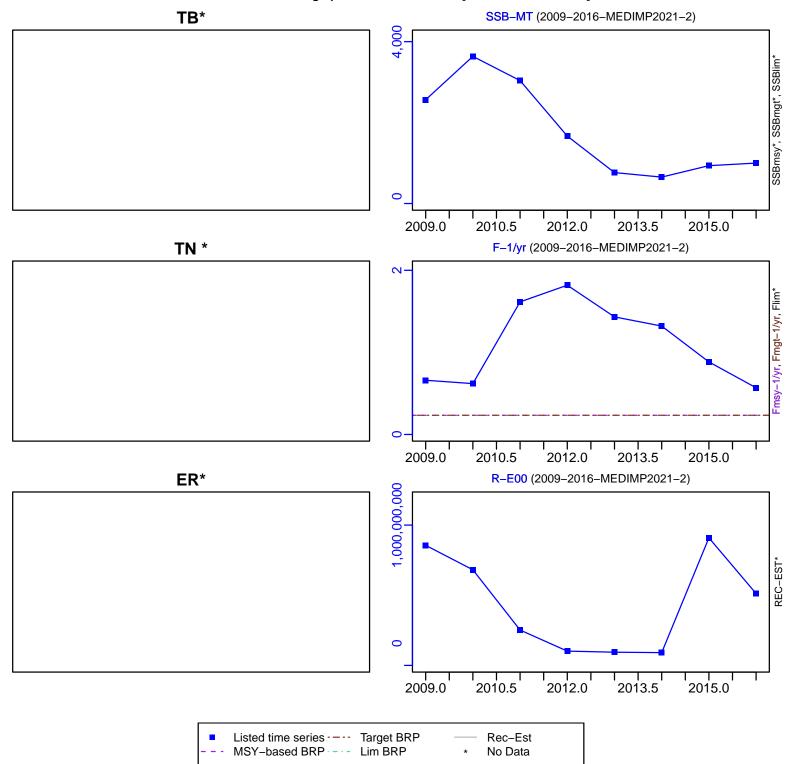
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.23	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2016	0.23	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series							
Туре	ID	Asmt Year	Curr Value	Sex	Age		
ТВ	-	-	-	-	-		
SSB	SSB-MT	2016	970	-	-		
TN	-	-	-	-	-		
R	R-E00	2016	430,635,000	-	-		
F	F-1/yr	2016	0.56	-	-		
ER	-	-	-	-	-		
TC	TC-MT	2016	3769				
TL	-	-	-				
TB/TBmsy	-	-	-				
SSB/SSBmsy	-	-	-				
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	2.435				
ER/ERmsy	-	-	-				
TB/TBmgt	-	-	-				
SSB/SSBmgt	-	-	-				
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	2.435				
ER/ERmgt	-	-	-				

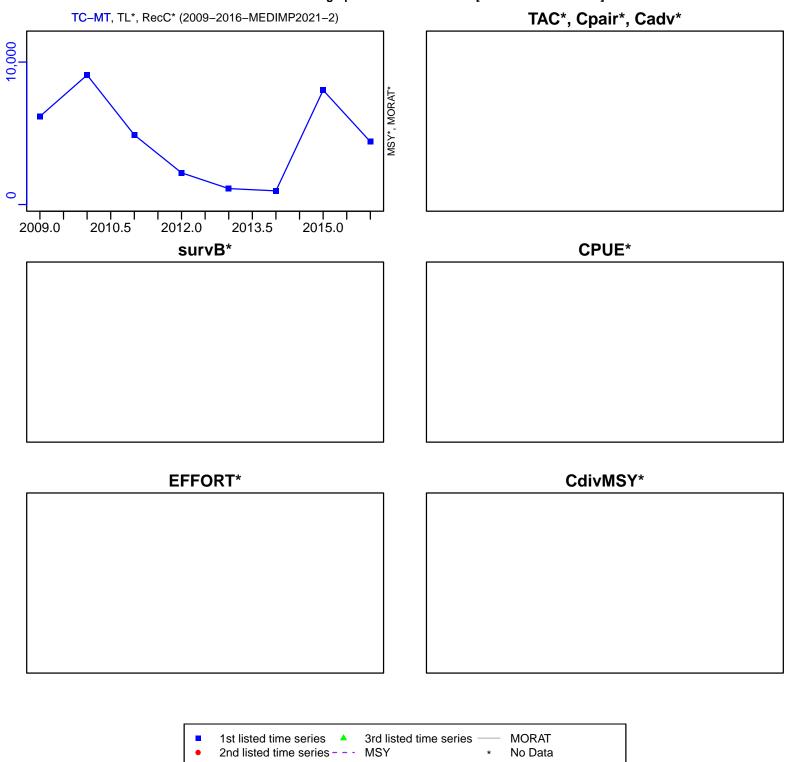


Start Year ◆ End Year \* No Data

#### Horse mackerel Geographical Sub-Areas 9-11 [HMACKMEDGSA9-11]



### Horse mackerel Geographical Sub-Areas 9-11 [HMACKMEDGSA9-11]

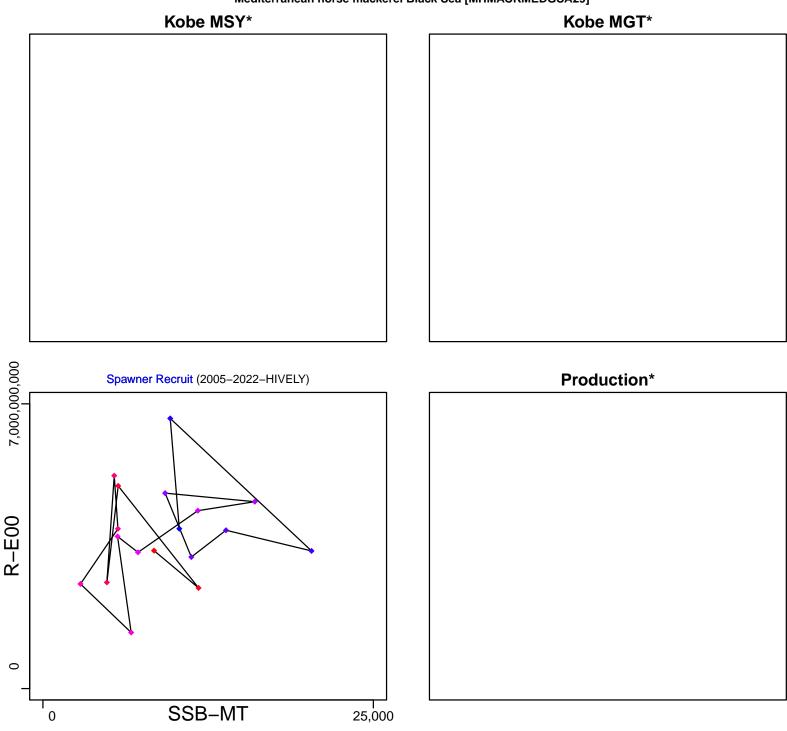


# Mediterranean horse mackerel Black Sea [MHMACKMEDGSA29]

Metadata			
Scientific Name	Trachurus mediterraneus		
Current Assess ID	SGSABS-MHMACKMEDGSA29-2005-2022-HIVELY		
Area	Black Sea		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Subregional Group on Stock Assessment for the Black Sea		
Asmts in RAM	2021, 2022, 2014, 2016		

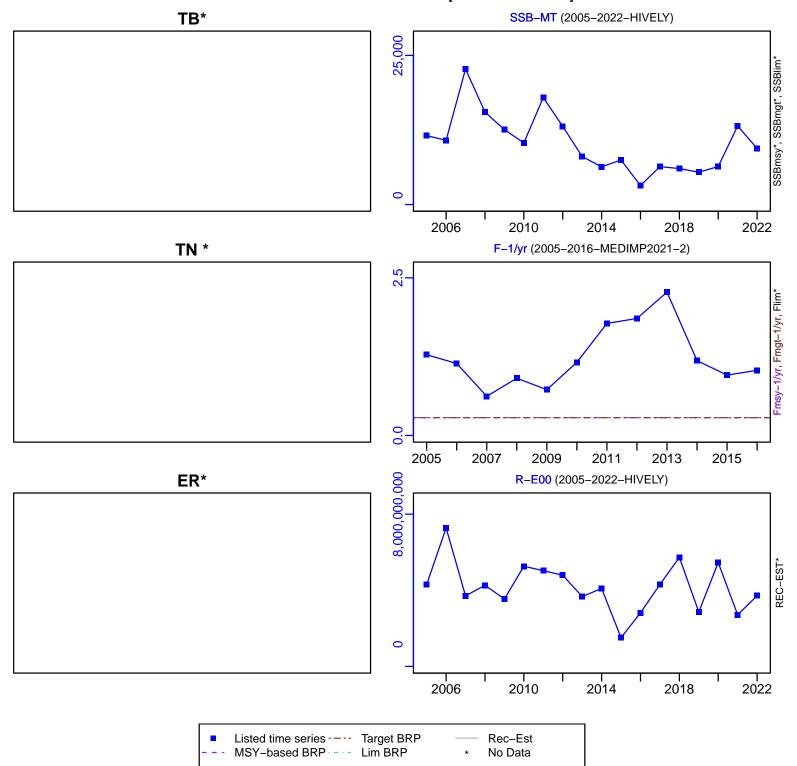
Reference Points						
Туре	ID	Asmt Year	Value			
TBmsy	-	-	-			
SSBmsy	-	-	-			
Fmsy	Fmsy-1/yr	2016	0.267			
ERmsy	-	-	-			
TBmgt	-	-	-			
SSBmgt	-	-	-			
Fmgt	Fmgt-1/yr	2016	0.267			
ERmgt	-	-	-			
TB0	-	-	-			
SSB0	-	-	-			
MSY	-	-	-			
М	-	-	-			
TBlim	-	-	-			
SSBlim	-	-	-			
Flim	-	-	-			
ERlim	-	-	-			

Time Series							
Туре	ID	Asmt Year	Curr Value	Sex	Age		
ТВ	-	-	-	-	-		
SSB	SSB-MT	2022	8407	-	-		
TN	-	-	-	-	-		
R	R-E00	2022	3,391,341,000	-	-		
F	F-1/yr	2022	0.996	-	-		
ER	-	-	-	-	-		
TC	TC-MT	2022	11,439				
TL	TL-MT	2021	21,538				
TB/TBmsy	-	-	-				
SSB/SSBmsy	-	-	-				
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	3.663				
ER/ERmsy	-	-	-				
TB/TBmgt	-	-	-				
SSB/SSBmgt	-	-	-				
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	3.663				
ER/ERmgt	-	-	-				

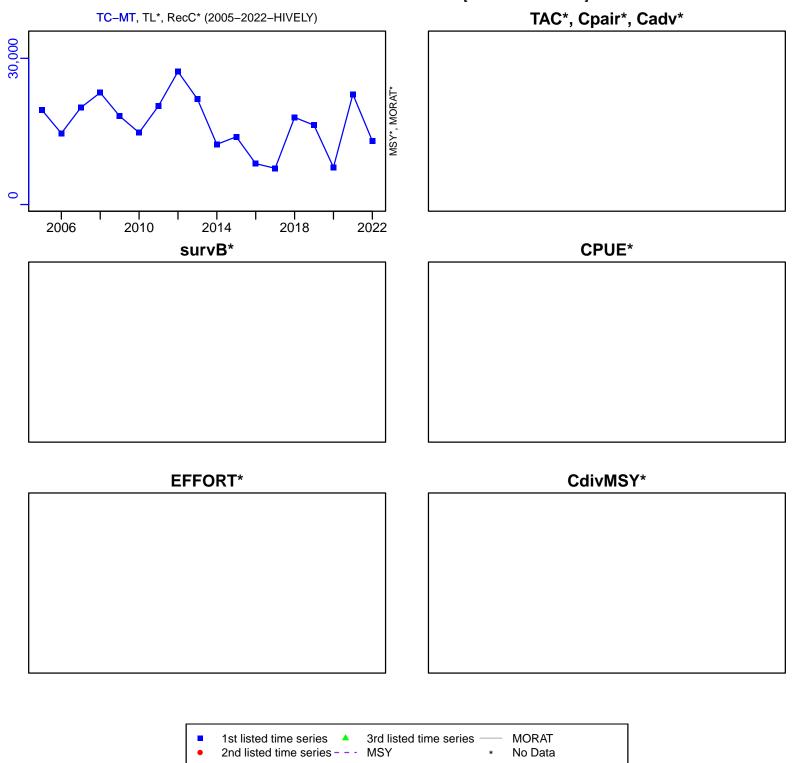


Start Year • End Year \* No Data

### Mediterranean horse mackerel Black Sea [MHMACKMEDGSA29]



### Mediterranean horse mackerel Black Sea [MHMACKMEDGSA29]

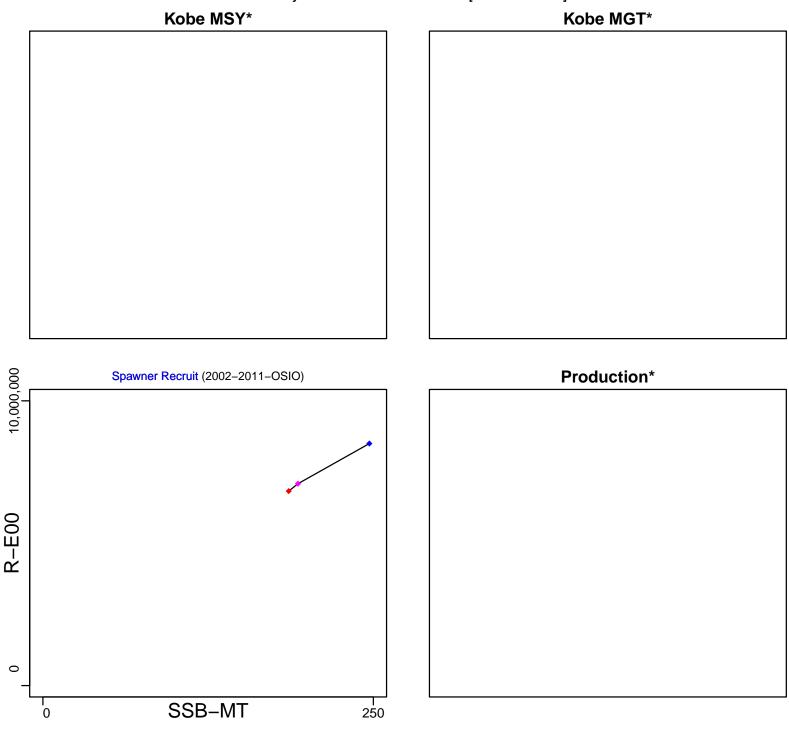


## Norway lobster Northern Alboran Sea [NEPHMEDGSA1]

Metadata			
Scientific Name	Nephrops norvegicus		
Current Assess ID	STECF-NEPHMEDGSA1-2002-2011-OSIO		
Area Northern Alboran Sea			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2011		

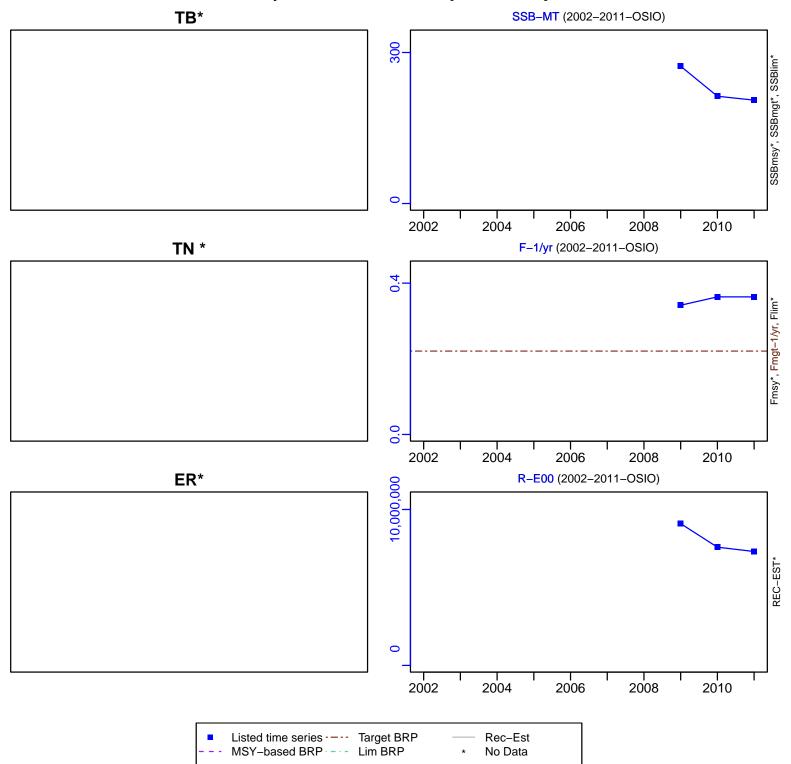
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2011	0.2	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2011	186	-	4+
TN	-	-	-	-	-
R	R-E00	2011	6,830,000	-	-
F	F-1/yr	2011	0.33	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	75		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	1.65		
ER/ERmgt	-	-	-		

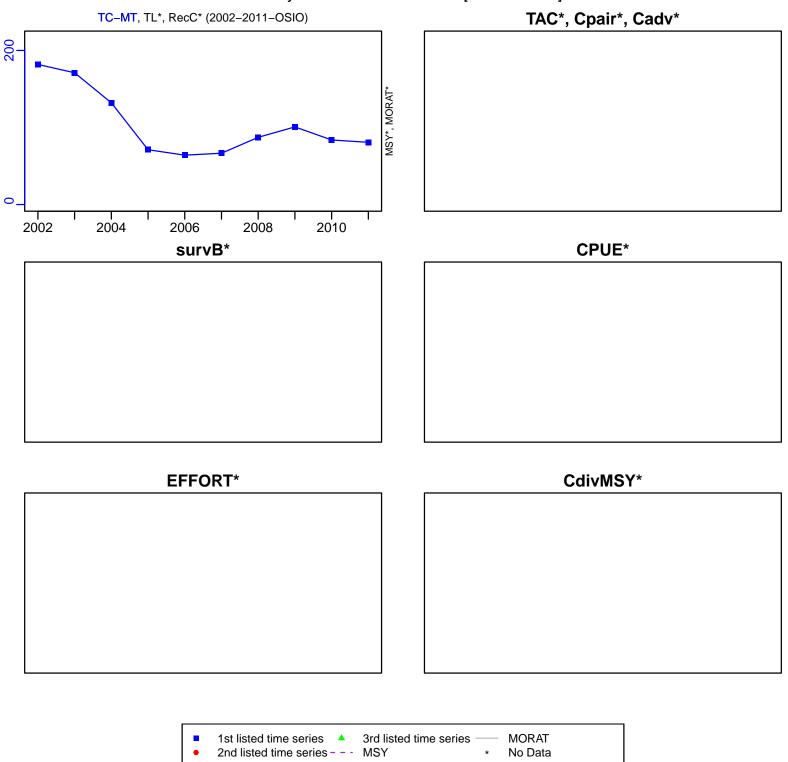


Start Year • End Year \* No Data

### Norway lobster Northern Alboran Sea [NEPHMEDGSA1]



## Norway lobster Northern Alboran Sea [NEPHMEDGSA1]

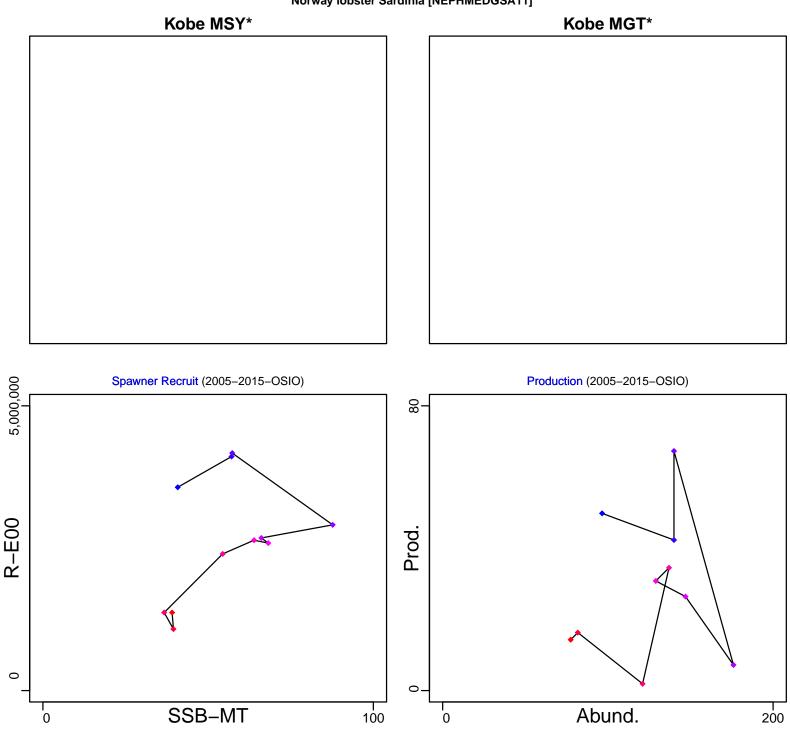


## Norway lobster Sardinia [NEPHMEDGSA11]

Metadata			
Scientific Name	Nephrops norvegicus		
Current Assess ID	STECF-NEPHMEDGSA11-2005-2015-OSIO		
Area Sardinia			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2015		

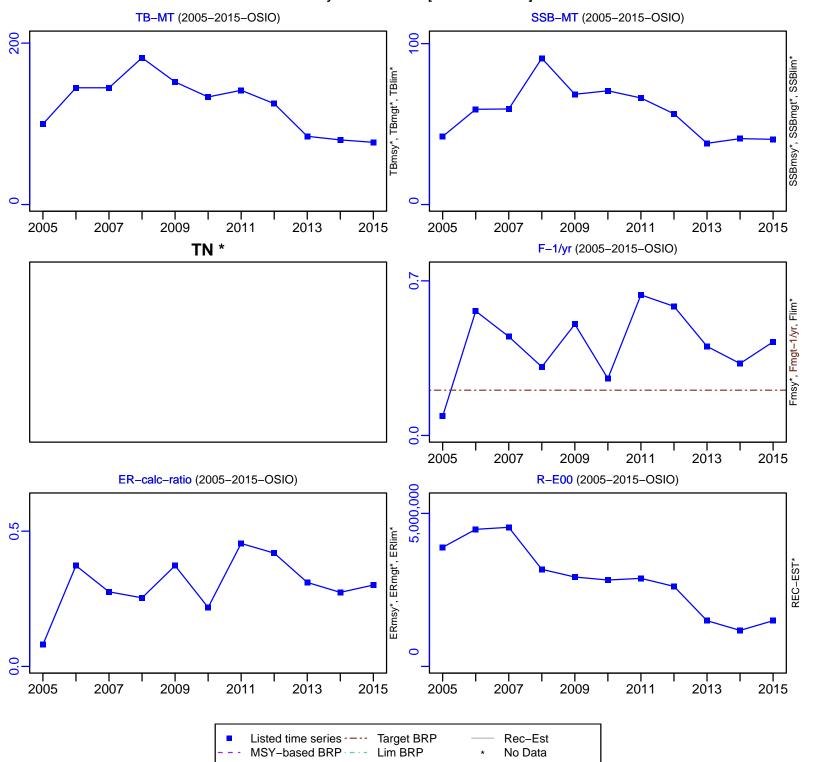
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2015	0.19	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	75	-	-
SSB	SSB-MT	2015	39	Both	-
TN	-	-	-	-	-
R	R-E00	2015	1,370,000	-	-
F	F-1/yr	2015	0.393	-	-
ER	ER-calc-ratio	2015	0.244	-	-
TC	TC-MT	2015	18		
TL	TL-MT	2015	18		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	2.068		
ER/ERmgt	-	-	-		

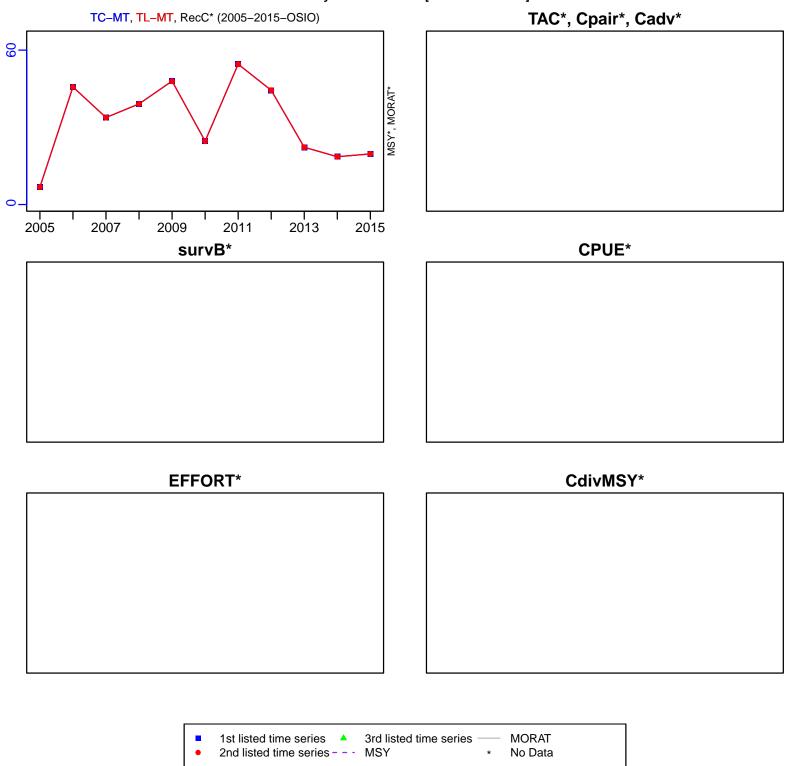


Start Year → End Year → No Data

## Norway lobster Sardinia [NEPHMEDGSA11]



## Norway lobster Sardinia [NEPHMEDGSA11]

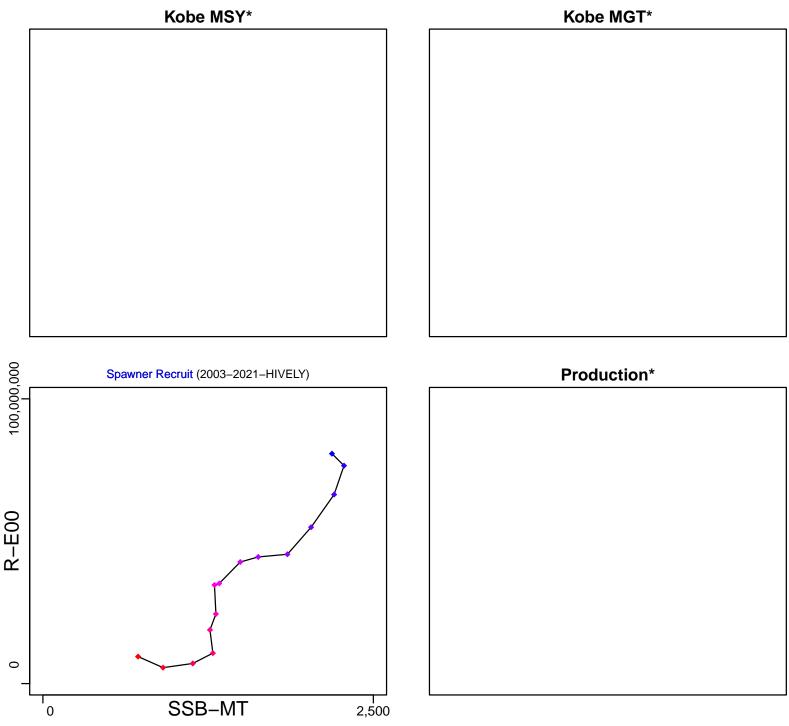


# Norway lobster Malta Island and South of Sicily (GSA 15, 16) [NEPHMEDGSA15-16]

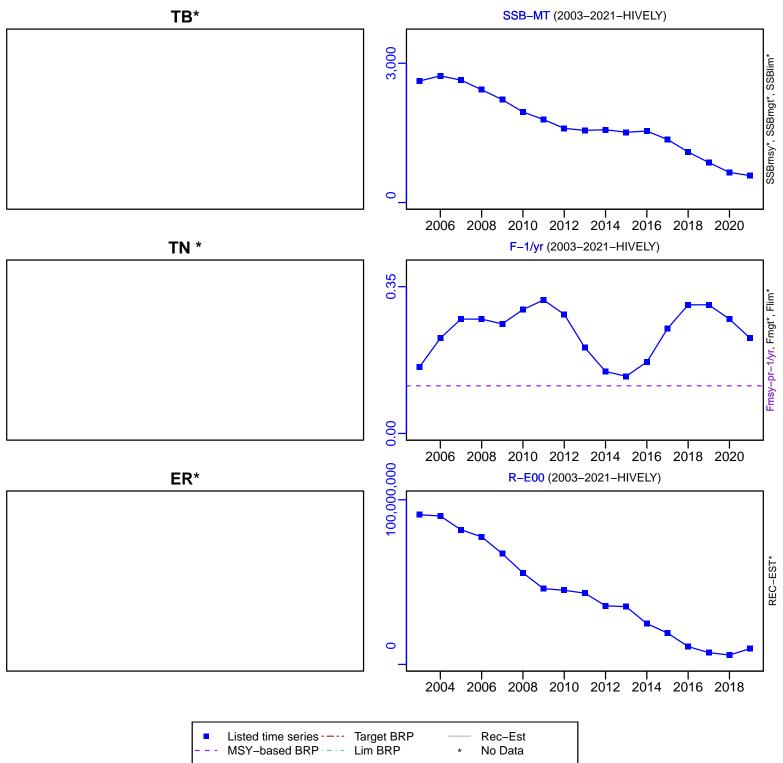
Metadata			
Scientific Name	Nephrops norvegicus		
Current Assess ID	STECF-NEPHMEDGSA15-16-2003-2021-HIVELY		
Area Malta Island and South of Sicily (GSA 15, 16)			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2012, 2021		

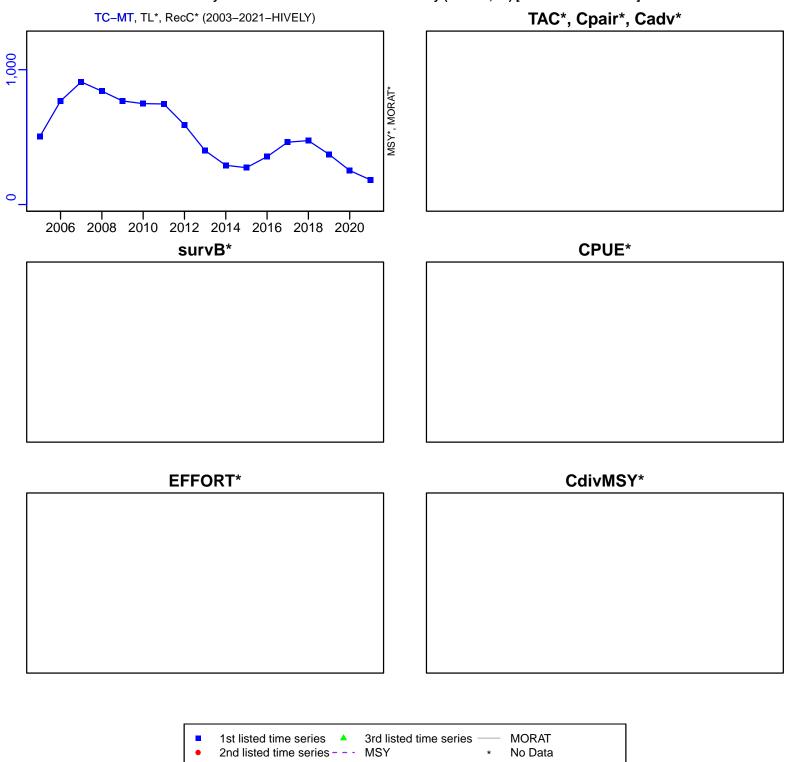
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-pr-1/yr	2021	0.1	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2012	0.2	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2021	485	-	-
TN	-	-	-	-	-
R	R-E00	2021	9,484,000	-	2
F	F-1/yr	2021	0.2	-	8-Feb
ER	-	-	-	-	-
TC	TC-MT	2021	148		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2021	2		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	0.75		
ER/ERmgt	-	-	-		



Start Year • End Year \* No Data

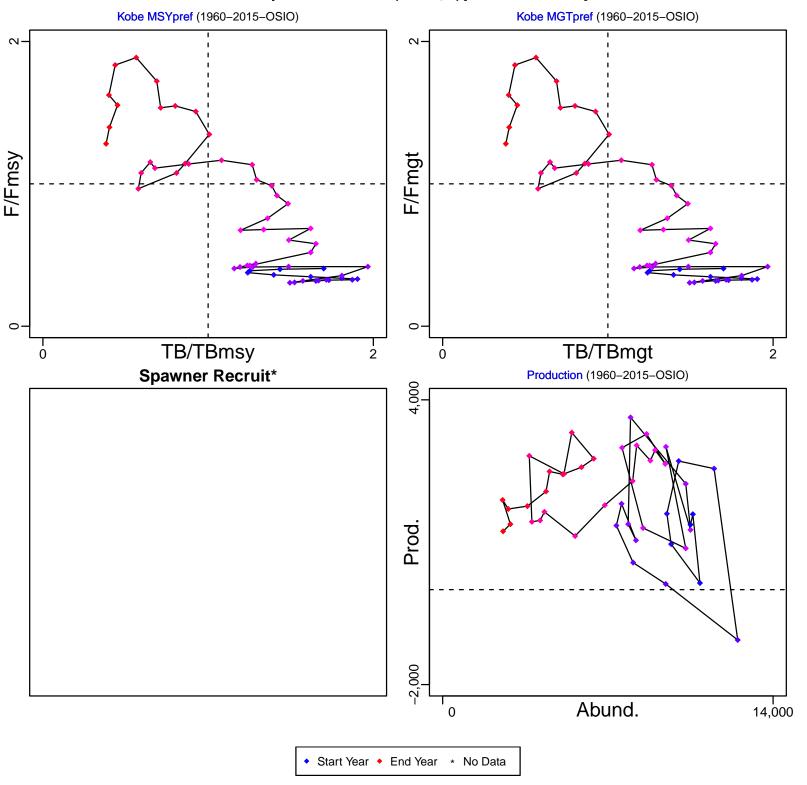


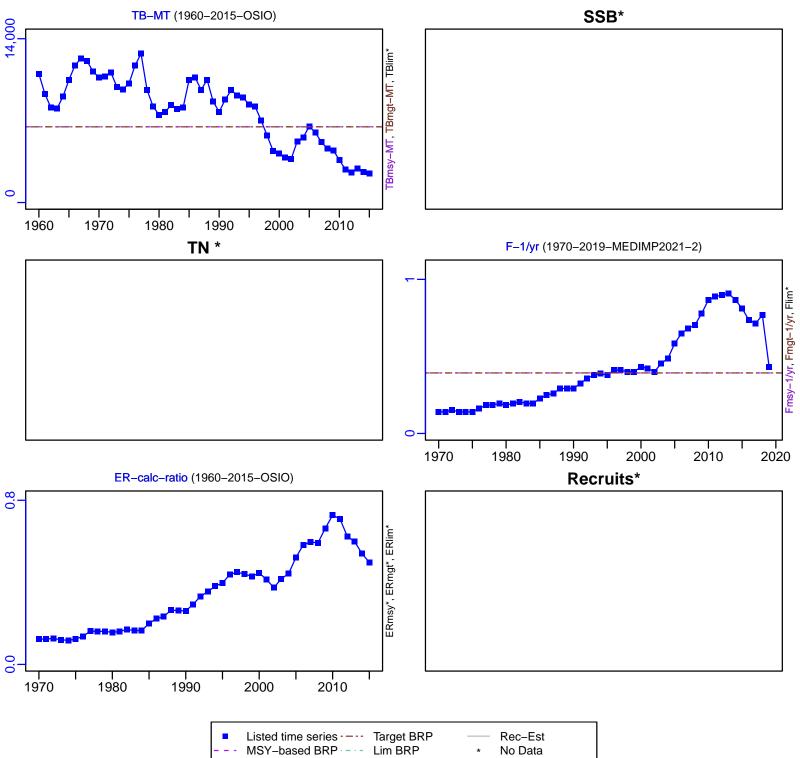


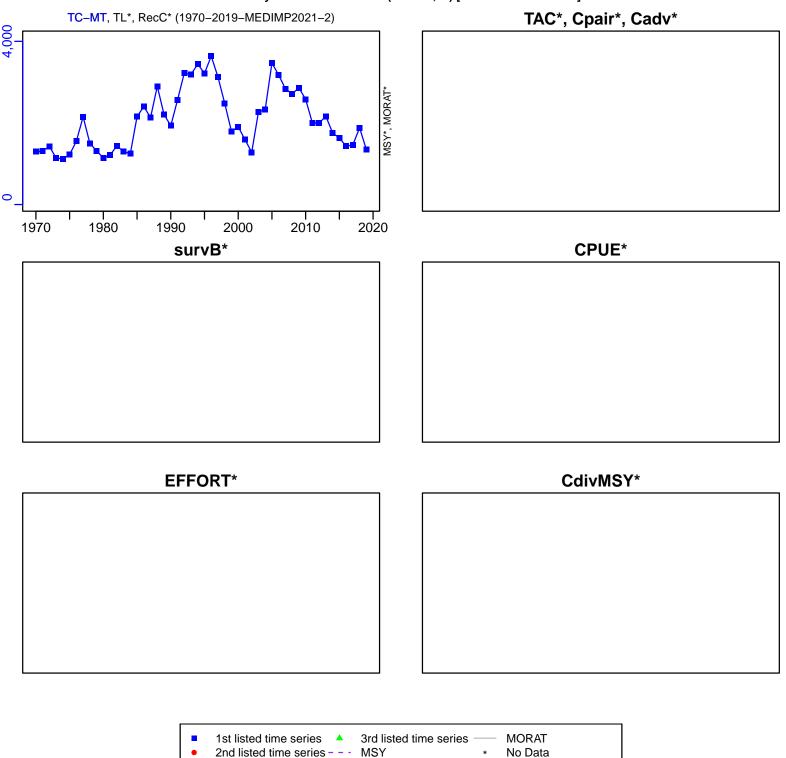
Metadata			
Scientific Name	Nephrops norvegicus		
Current Assess ID	STECF-NEPHMEDGSA17-18-1970-2019-MEDIMP2021-2		
Area Adriatic Sea (GSA 17,18)			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2015, 2019		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-MT	2015	6355	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2019	0.363	
ERmsy	-	-	-	
TBmgt	TBmgt-MT	2015	6355	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2019	0.363	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	2430	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2019	0.4	-	-
ER	ER-calc-ratio	2015	0.49	-	-
TC	TC-MT	2019	1319		
TL	TL-MT	2015	1190		
TB/TBmsy	TB-MT/TBmsy-MT	2015	0.382		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2019	1.102		
ER/ERmsy	-	-	-		
TB/TBmgt	TB-MT/TBmgt-MT	2015	0.382		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	1.102		
ER/ERmgt	-	-	-		





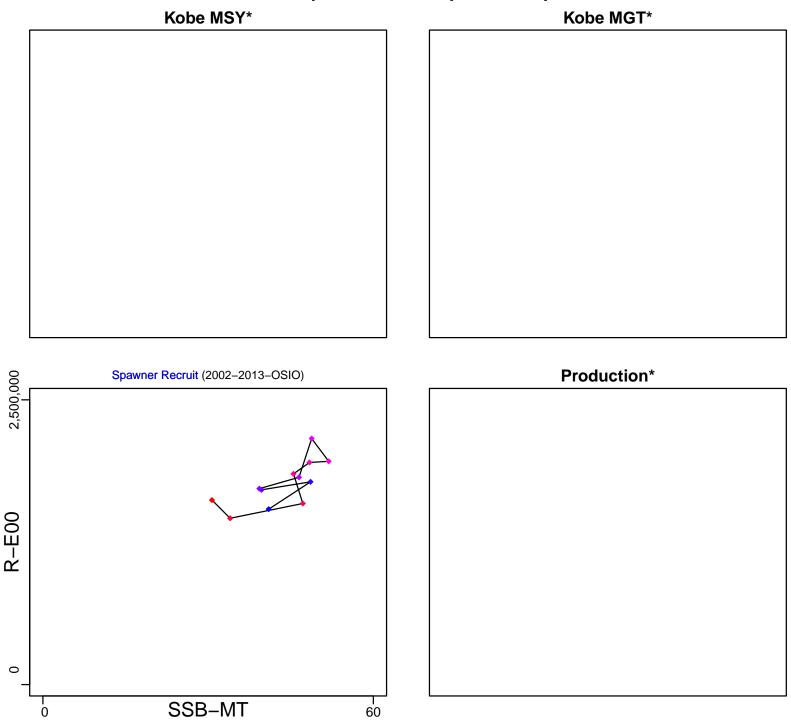


# Norway lobster Balearic Island [NEPHMEDGSA5]

Metadata			
Scientific Name	Nephrops norvegicus		
Current Assess ID STECF-NEPHMEDGSA5-2002-2013-OSIO			
Area Balearic Island			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2011, 2013		

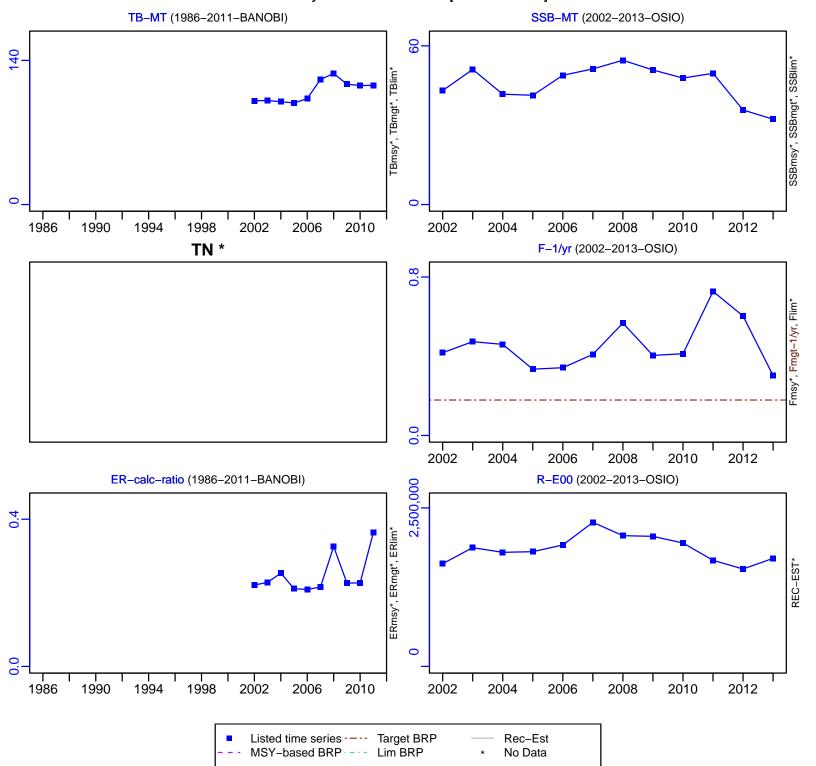
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2013	0.17	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2011	100	-	-
SSB	SSB-MT	2013	31	-	4+
TN	-	-	-	-	-
R	R-E00	2013	1,620,000	-	-
F	F-1/yr	2013	0.287	-	-
ER	ER-calc-ratio	2011	0.321	-	-
TC	TC-MT	2013	10		
TL	TL-MT	2011	32		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	1.688		
ER/ERmgt	-	-	-		

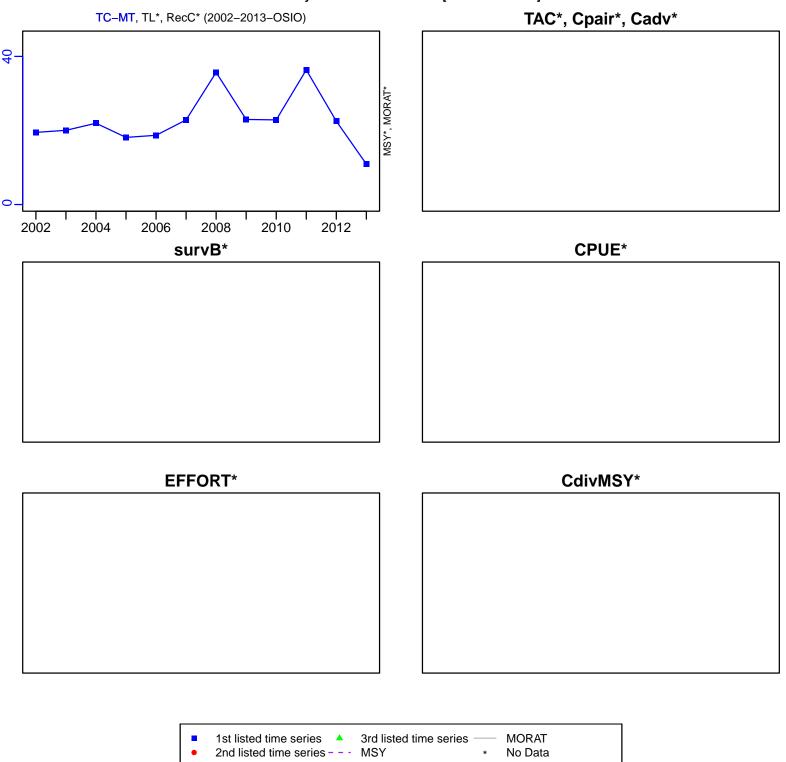


Start Year → End Year → No Data

#### Norway lobster Balearic Island [NEPHMEDGSA5]



## Norway lobster Balearic Island [NEPHMEDGSA5]

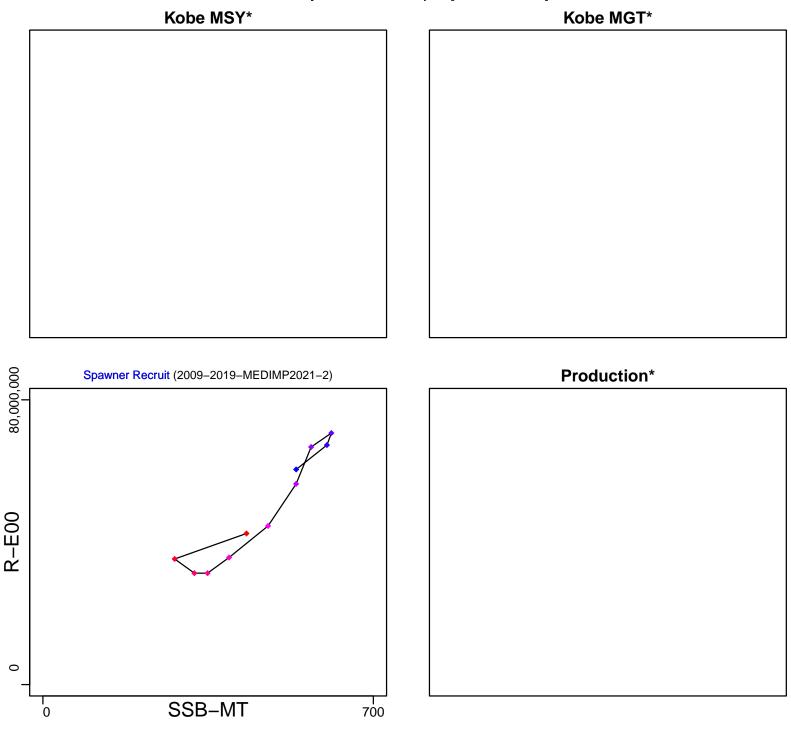


# Norway lobster Northern Spain [NEPHMEDGSA6]

Metadata			
Scientific Name	Nephrops norvegicus		
Current Assess ID STECF-NEPHMEDGSA6-2009-2019-MEDIMP2021-2			
Area Northern Spain			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2011, 2015, 2019		

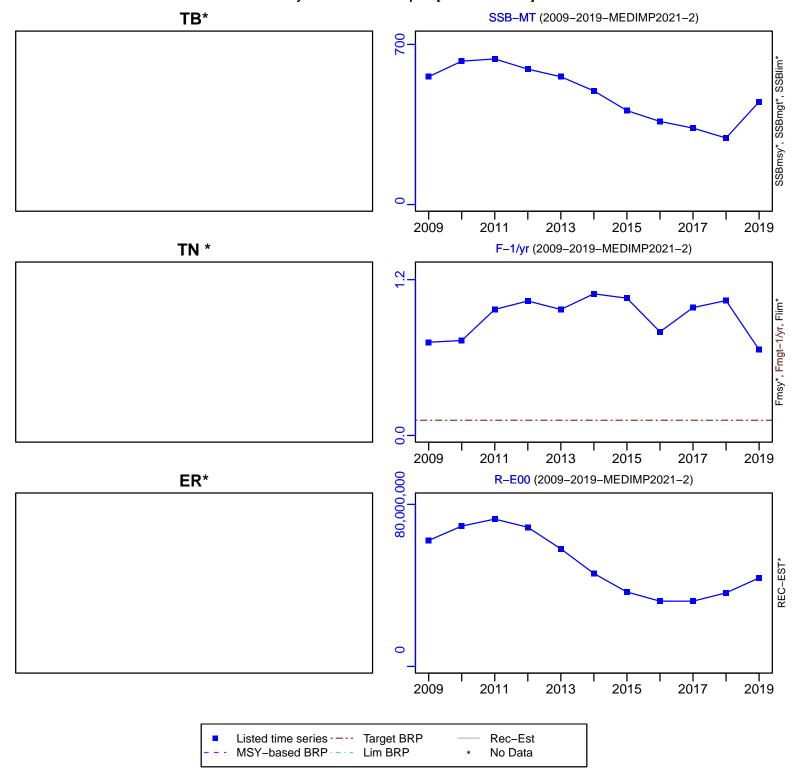
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2019	0.109	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2019	431	-	-
TN	-	-	-	-	-
R	R-E00	2019	42,451,480	-	-
F	F-1/yr	2019	0.617	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	245		
TL	TL-MT	2015	355		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	5.644		
ER/ERmgt	-	-	-		

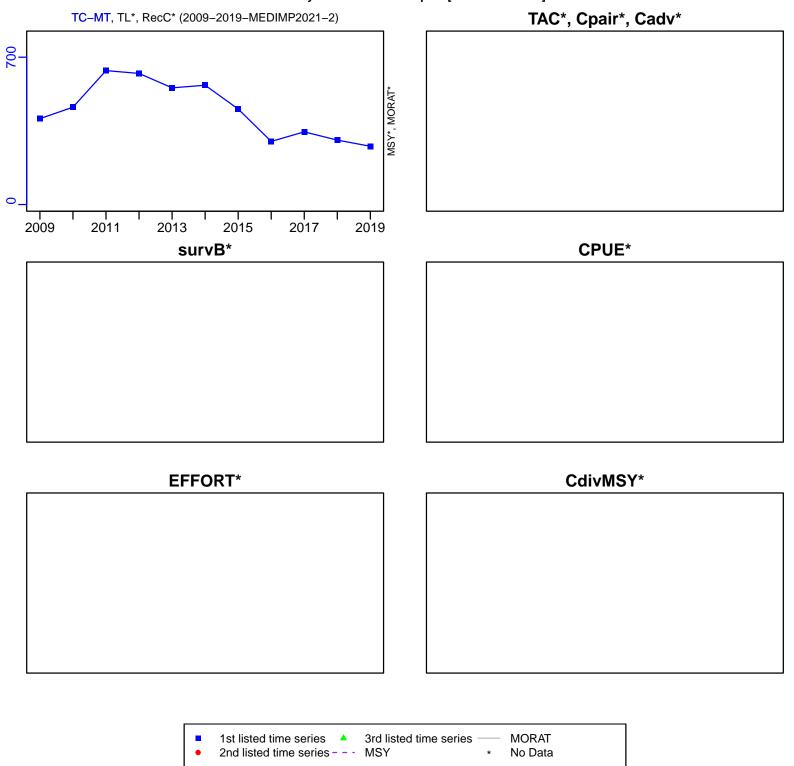


Start Year • End Year \* No Data

#### Norway lobster Northern Spain [NEPHMEDGSA6]



## Norway lobster Northern Spain [NEPHMEDGSA6]

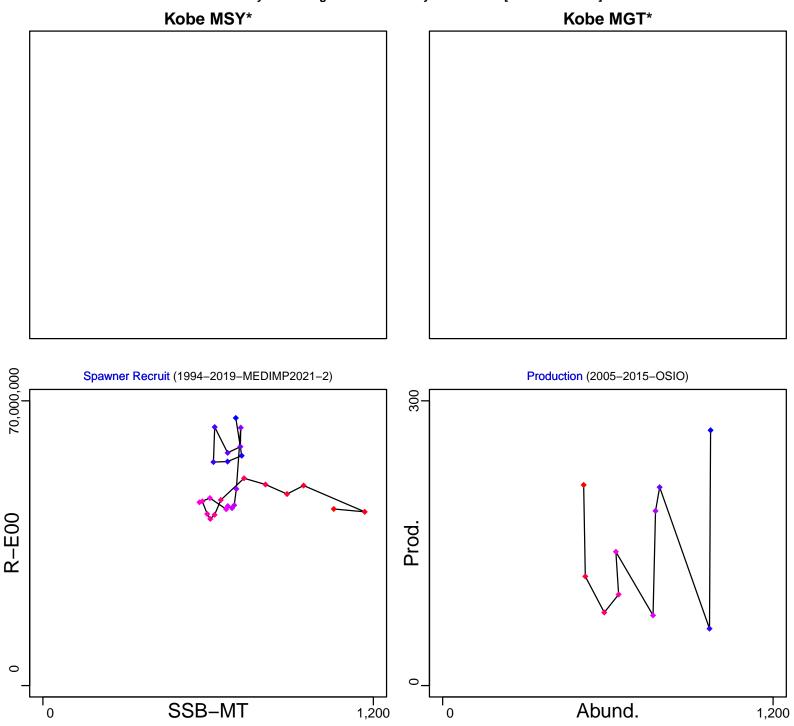


# Norway lobster Ligurian and North Tyrrhenian Sea [NEPHMEDGSA9]

Metadata			
Scientific Name	Nephrops norvegicus		
Current Assess ID STECF-NEPHMEDGSA9-1994-2019-MEDIMP2021-2			
Area Ligurian and North Tyrrhenian Sea			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor Scientific, Technical and Economic Committee for Fisheries			
Asmts in RAM	2019, 2015, 2013		

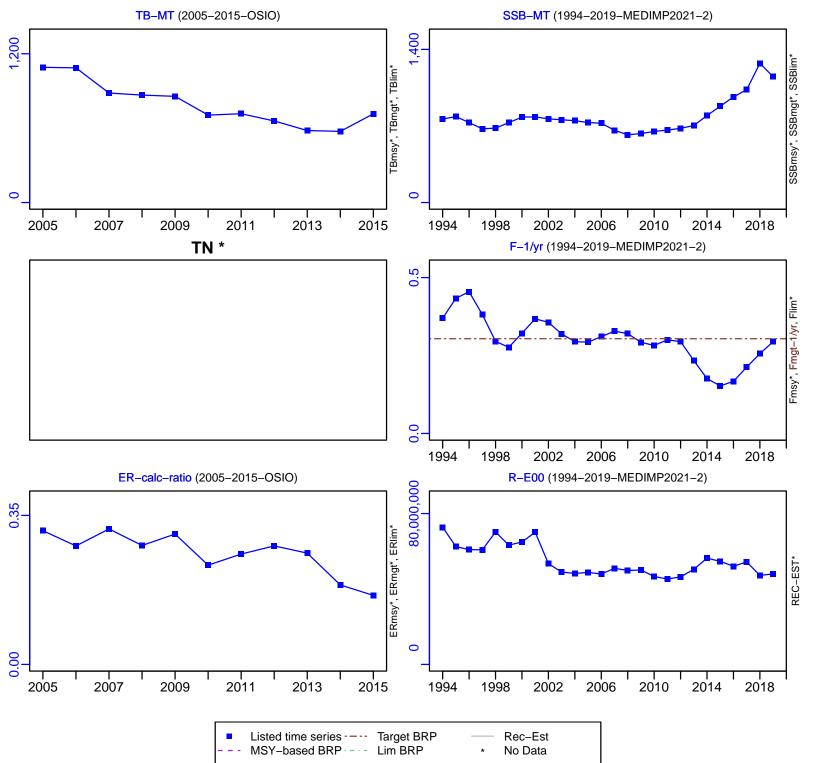
Reference Points				
Type	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2019	0.284	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	638	-	-
SSB	SSB-MT	2019	1056	-	-
TN	-	-	-	-	-
R	R-E00	2019	43,411,451	-	-
F	F-1/yr	2019	0.275	-	-
ER	ER-calc-ratio	2015	0.145	-	-
TC	TC-MT	2019	193		
TL	TL-MT	2015	114		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	0.969		
ER/ERmgt	-	-	-		

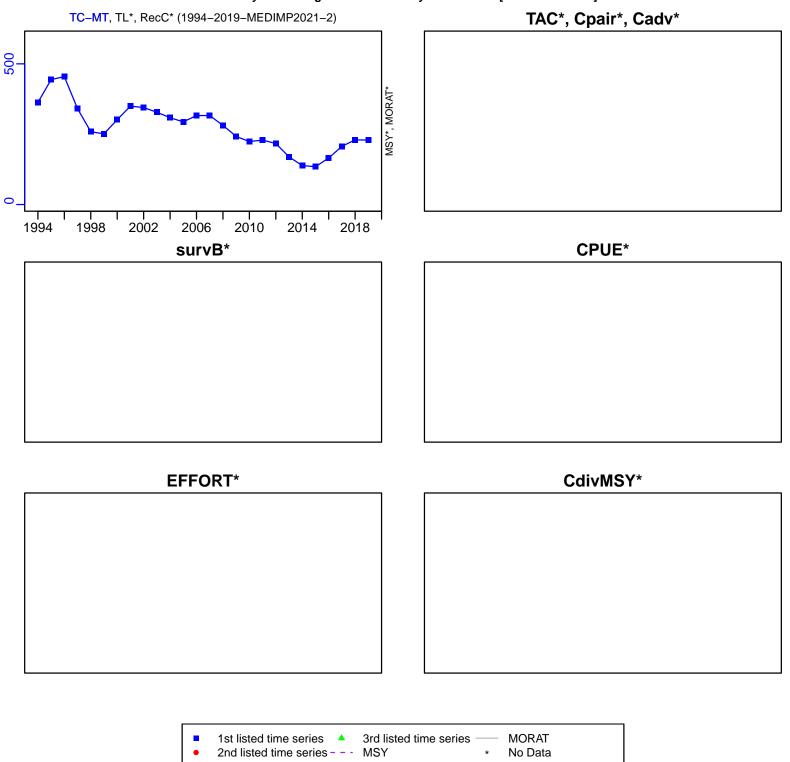


Start Year → End Year → No Data

#### Norway lobster Ligurian and North Tyrrhenian Sea [NEPHMEDGSA9]



## Norway lobster Ligurian and North Tyrrhenian Sea [NEPHMEDGSA9]



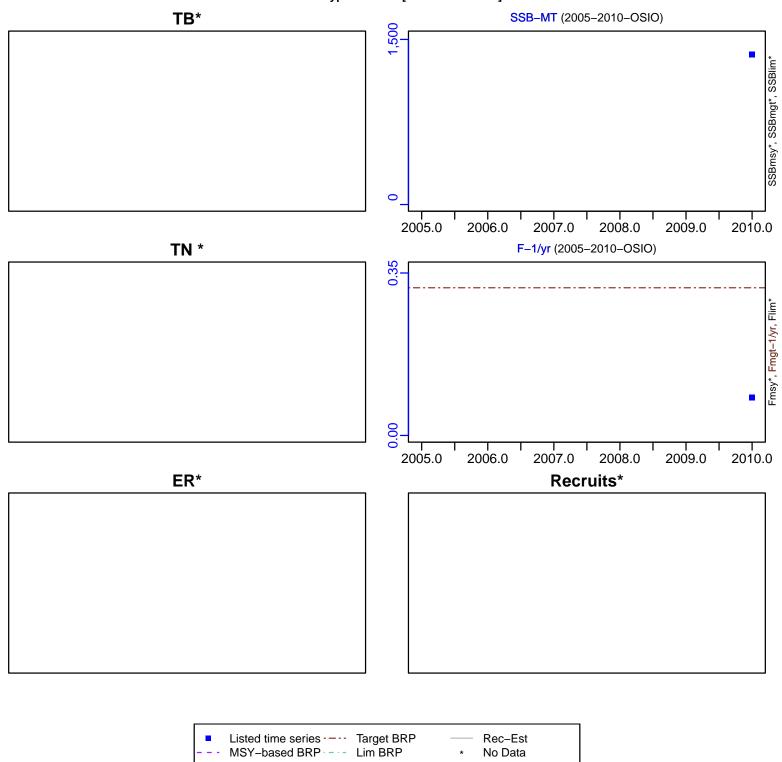
Metadata			
Scientific Name	Spicara smaris		
Current Assess ID	STECF-PICAMEDGSA25-2005-2010-OSIO		
Area Cyprus Island			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2010		

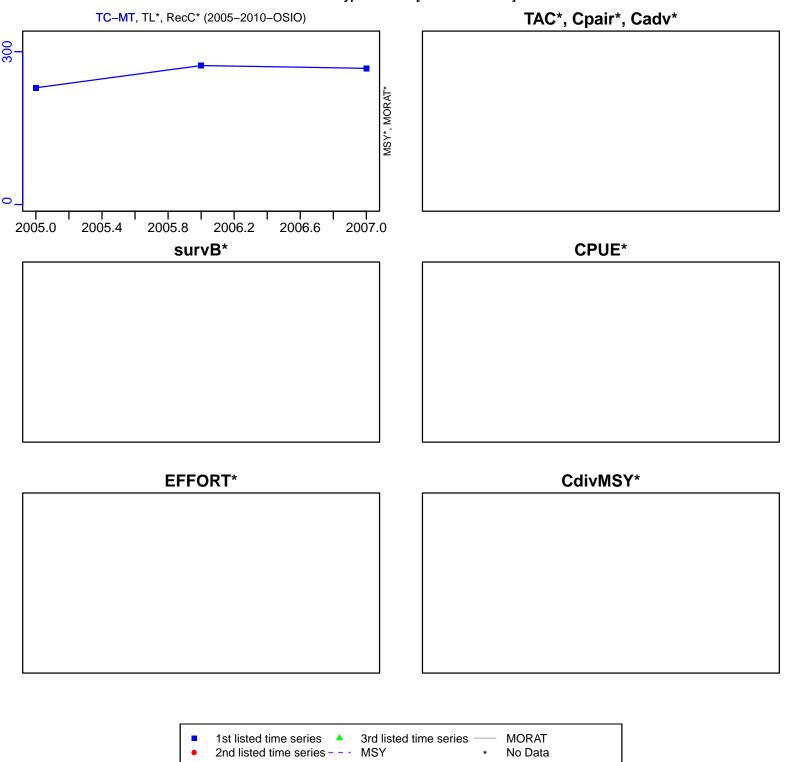
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2010	0.31	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2010	1350	-	0+
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2010	0.08	-	-
ER	-	-	-	-	-
TC	TC-MT	2010	245		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2010	0.258		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
O D !#	Dua desation#
Spawner Recruit*	Production*
Spawner Recruit <sup>*</sup>	Production*
Spawner Recruit <sup>*</sup>	Production
Spawner Recruit*	Production*
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data





# Poor cod Ligurian and North Tyrrhenian Sea [PRCODMEDGSA9]

Metadata				
Scientific Name	Trisopterus minutus			
Current Assess ID	STECF-PRCODMEDGSA9-2004-2011-OSIO			
Area	Ligurian and North Tyrrhenian Sea			
Management Authority	ment Authority General Fisheries Council for the Mediterranean, DG MARE, and national state			
Assessor	Scientific, Technical and Economic Committee for Fisheries			
Asmts in RAM	2011			

Reference Points					
Type	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2011	0.74		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

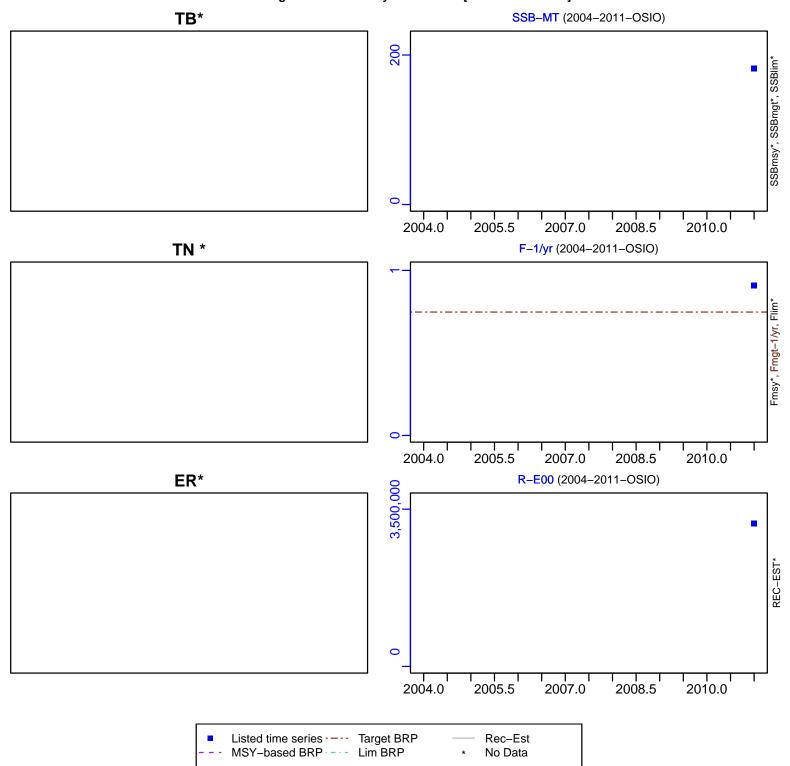
Time Series							
Туре	ID	Asmt Year	Curr Value	Sex	Age		
TB	-	-	-	-	-		
SSB	SSB-MT	2011	163	-	0+		
TN	-	-	-	-	-		
R	R-E00	2011	$3 \times 10^{6}$	-	-		
F	F-1/yr	2011	0.9	-	-		
ER	-	-	-	-	-		
TC	TC-MT	2011	105				
TL	-	-	-				
TB/TBmsy	-	-	-				
SSB/SSBmsy	-	-	-				
F/Fmsy	-	-	-				
ER/ERmsy	-	-	-				
TB/TBmgt	-	-	-				
SSB/SSBmgt	-	-	-				
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	1.216				
ER/ERmgt	-	-	-				

## Poor cod Ligurian and North Tyrrhenian Sea [PRCODMEDGSA9]

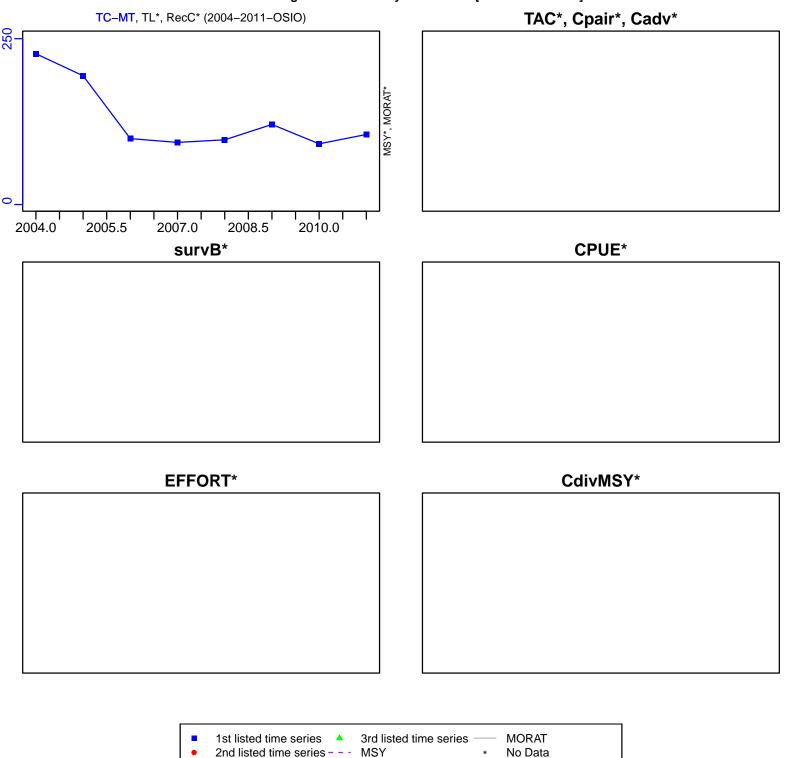
Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

### Poor cod Ligurian and North Tyrrhenian Sea [PRCODMEDGSA9]



## Poor cod Ligurian and North Tyrrhenian Sea [PRCODMEDGSA9]

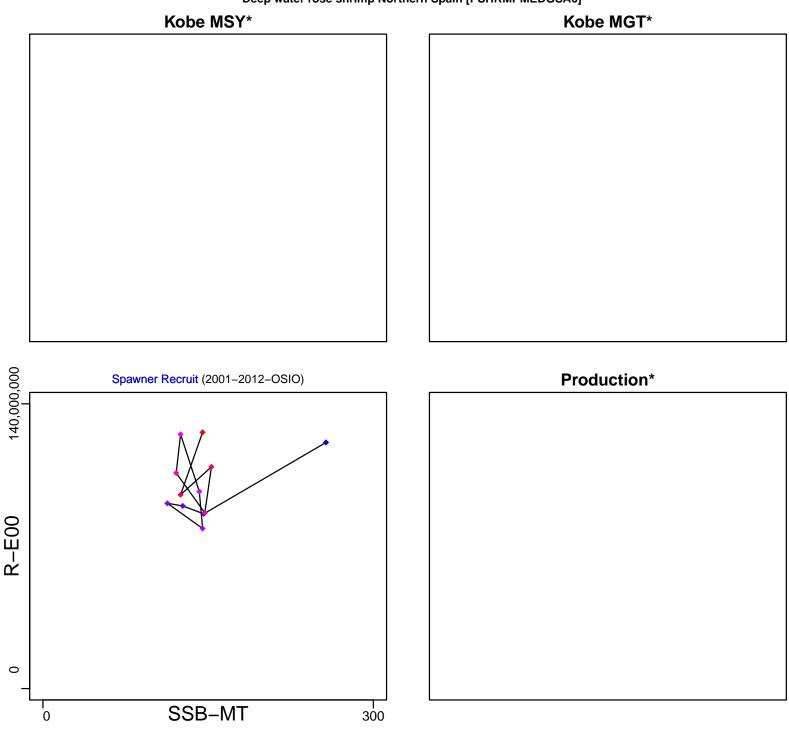


# Deep water rose shrimp Northern Spain [PSHRMPMEDGSA6]

Metadata		
Scientific Name	Parapenaeus longirostris	
Current Assess ID	STECF-PSHRMPMEDGSA6-2001-2012-OSIO	
Area	Northern Spain	
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Scientific, Technical and Economic Committee for Fisheries	
Asmts in RAM	2011, 2012	

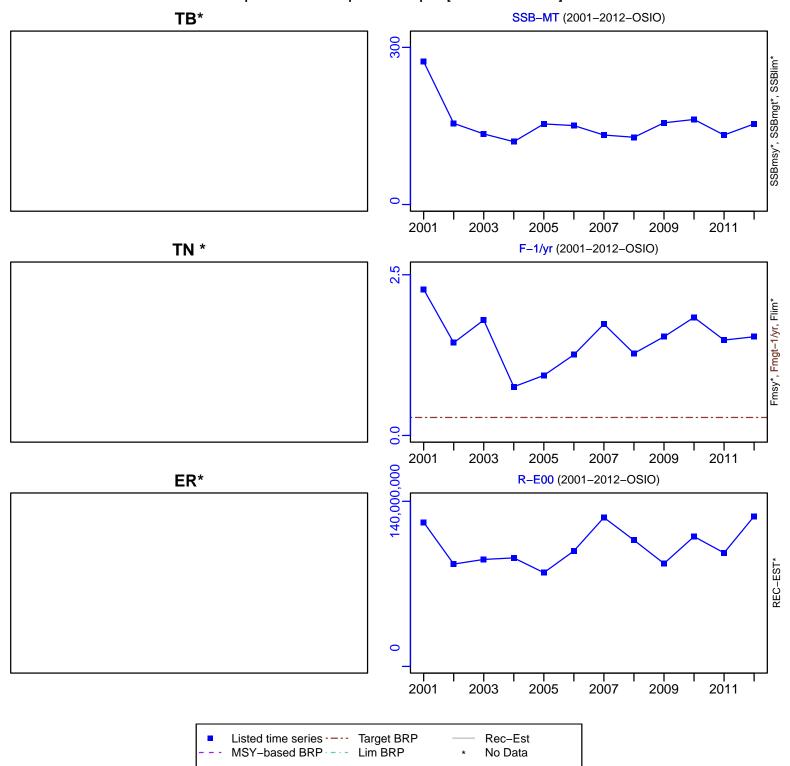
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2012	0.27	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2012	145	-	2+
TN	-	-	-	-	-
R	R-E00	2012	$1.26 \times 10^{8}$	-	-
F	F-1/yr	2012	1.48	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	120		
TL	TL-MT	2011	92		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	5.481		
ER/ERmgt	-	-	-		

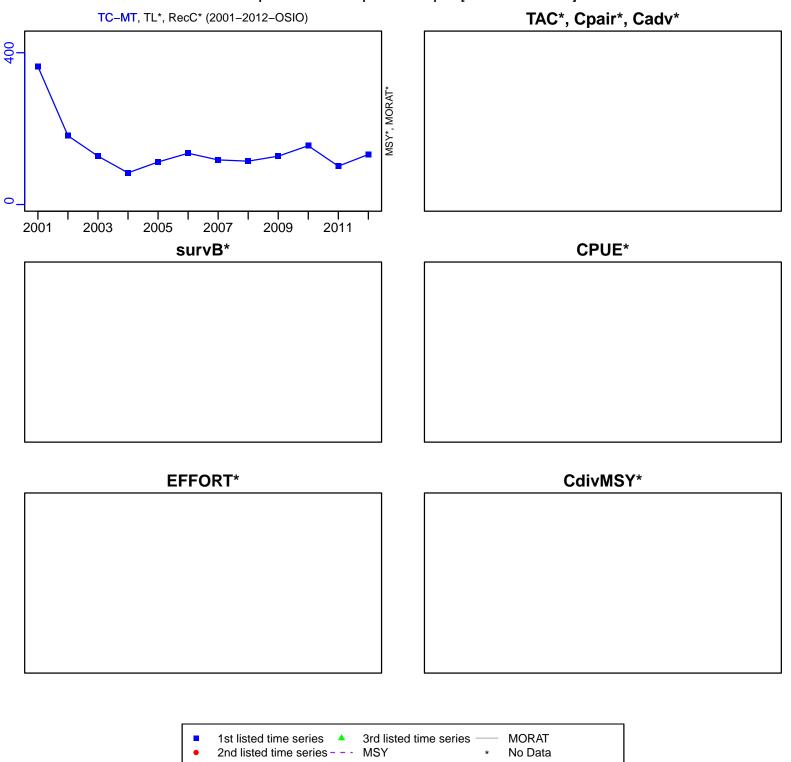


Start Year • End Year \* No Data

#### Deep water rose shrimp Northern Spain [PSHRMPMEDGSA6]



## Deep water rose shrimp Northern Spain [PSHRMPMEDGSA6]



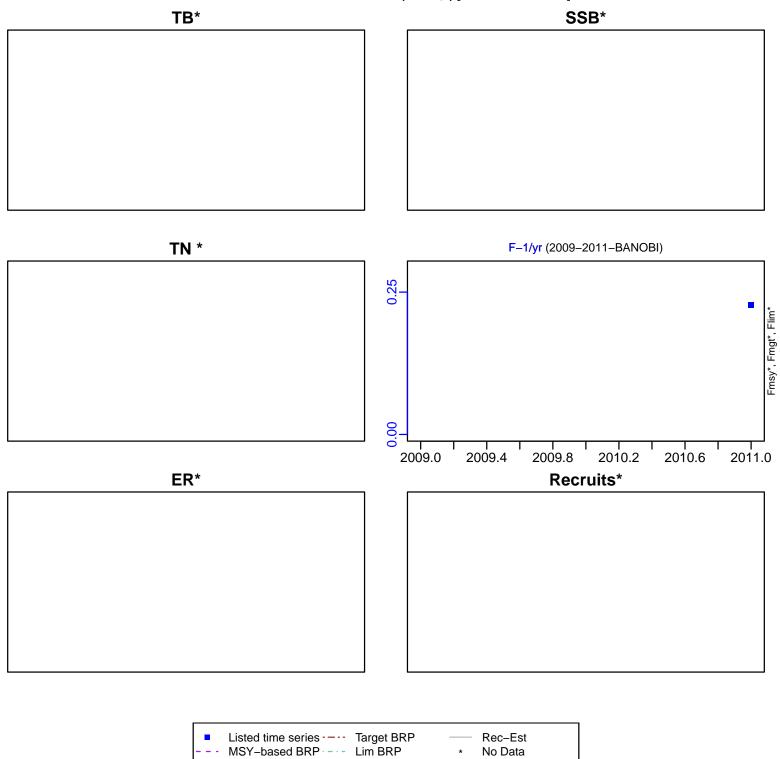
Metadata		
Scientific Name	Pagellus bogaraveo	
Current Assess ID	GRP7-RBRMMEDGSA1-3-2009-2011-BANOBI	
Area	Alboran Island Sea (GSA 1,3)	
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	INRH-NADOR, IEO-MALAGA	
Asmts in RAM	2011	

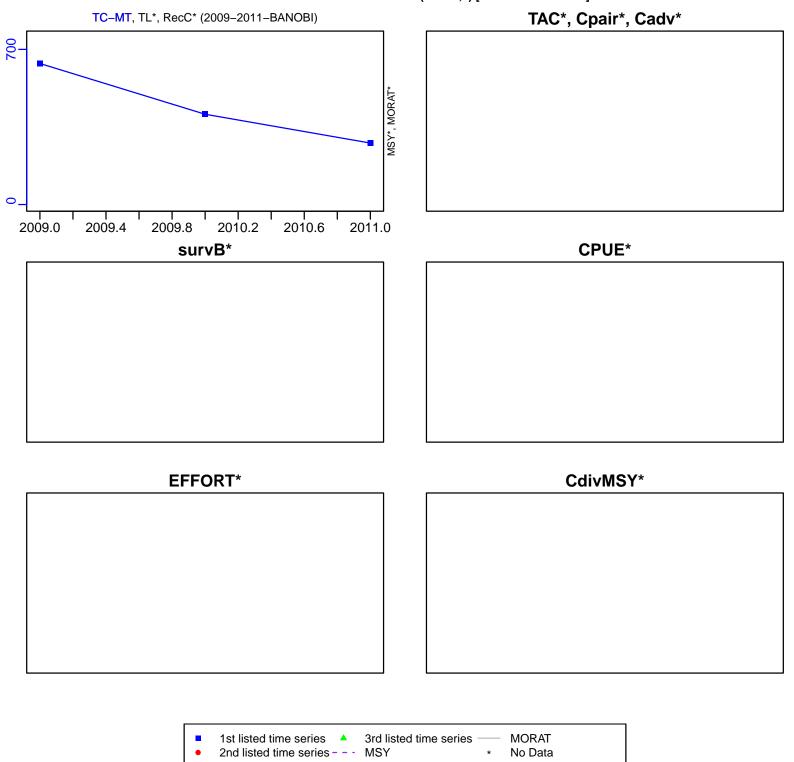
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	M-1/yr	2011	0.2	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2011	0.194	-	2 to 6
ER	-	-	-	-	-
TC	TC-MT	2011	258		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data



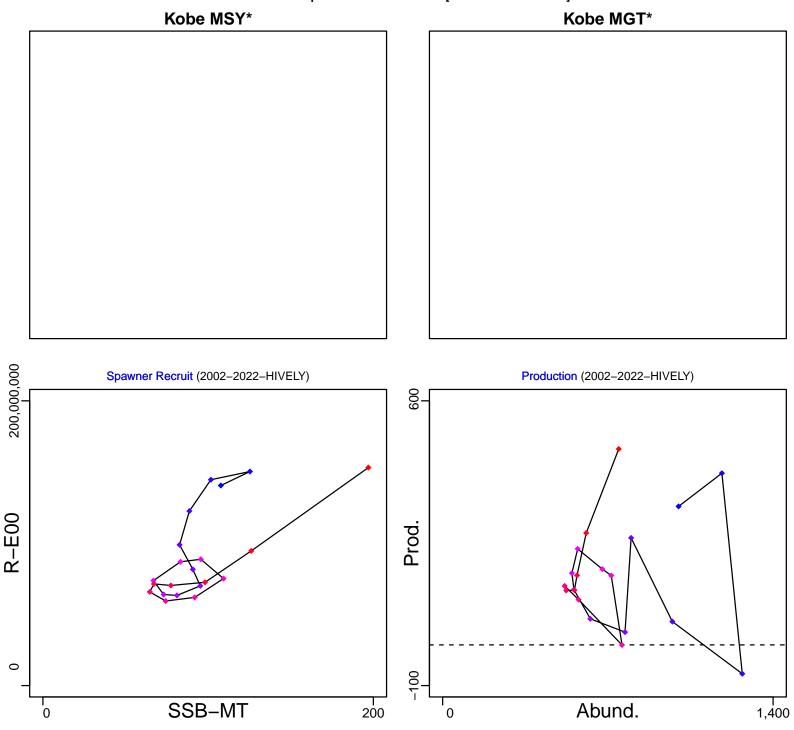


# Red shrimp Northern Alboran Sea [RDSHRMPMEDGSA1]

Metadata		
Scientific Name	Aristeus antennatus	
Current Assess ID	WGSAD-RDSHRMPMEDGSA1-2002-2022-HIVELY	
Area	Northern Alboran Sea	
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Working Group on Stock Assessment of Demersal Species	
Asmts in RAM	2014, 2019, 2021, 2022	

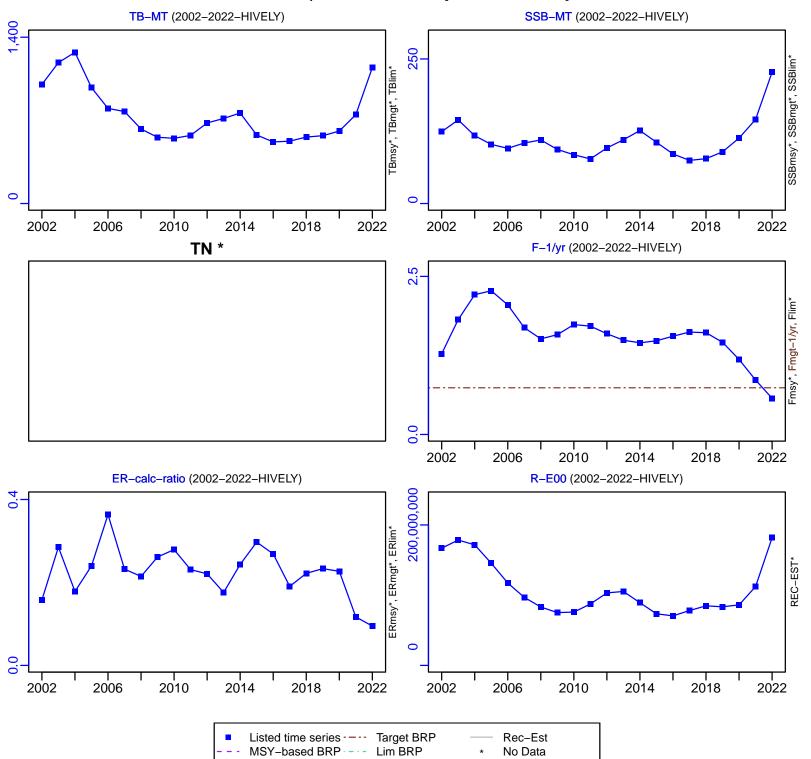
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2022	0.7	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2014	1287	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2022	1141	-	-
SSB	SSB-MT	2022	197	-	-
TN	-	-	-	-	-
R	R-E00	2022	153,132,000	-	-
F	F-1/yr	2022	0.542	-	1 to 2
ER	ER-calc-ratio	2022	0.094	-	-
TC	TC-MT	2022	108		
TL	TL-MT	2022	108		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2022	0.775		
ER/ERmgt	-	-	-		

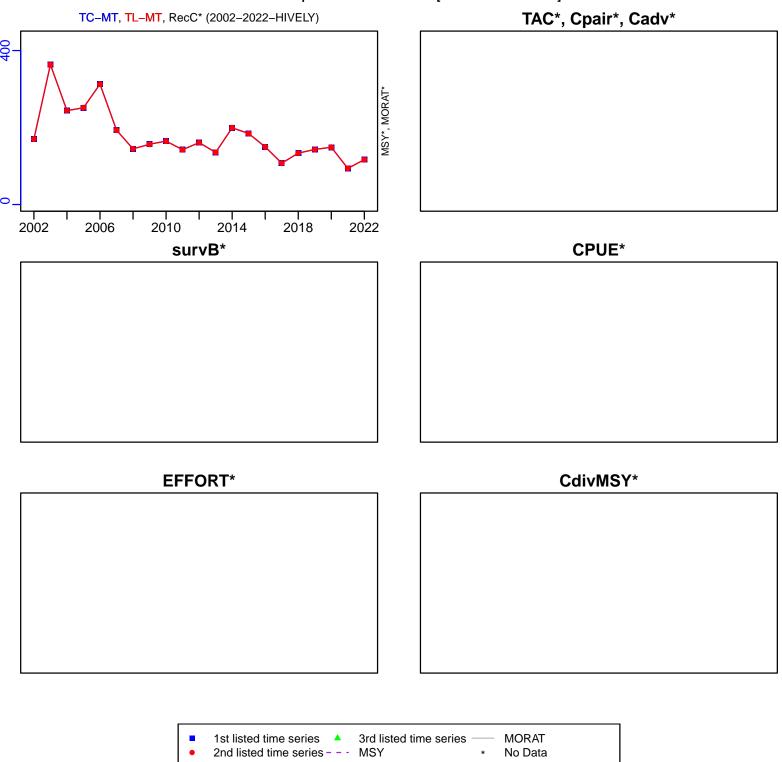


Start Year → End Year → No Data

#### Red shrimp Northern Alboran Sea [RDSHRMPMEDGSA1]



## Red shrimp Northern Alboran Sea [RDSHRMPMEDGSA1]



Metadata		
Scientific Name	Aristeus antennatus	
Current Assess ID	STECF-RDSHRMPMEDGSA15-16-2009-2012-OSIO	
Area	Malta Island and South of Sicily (GSA 15, 16)	
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Scientific, Technical and Economic Committee for Fisheries	
Asmts in RAM	2012	

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2012	0.26		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	94		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	_	-		

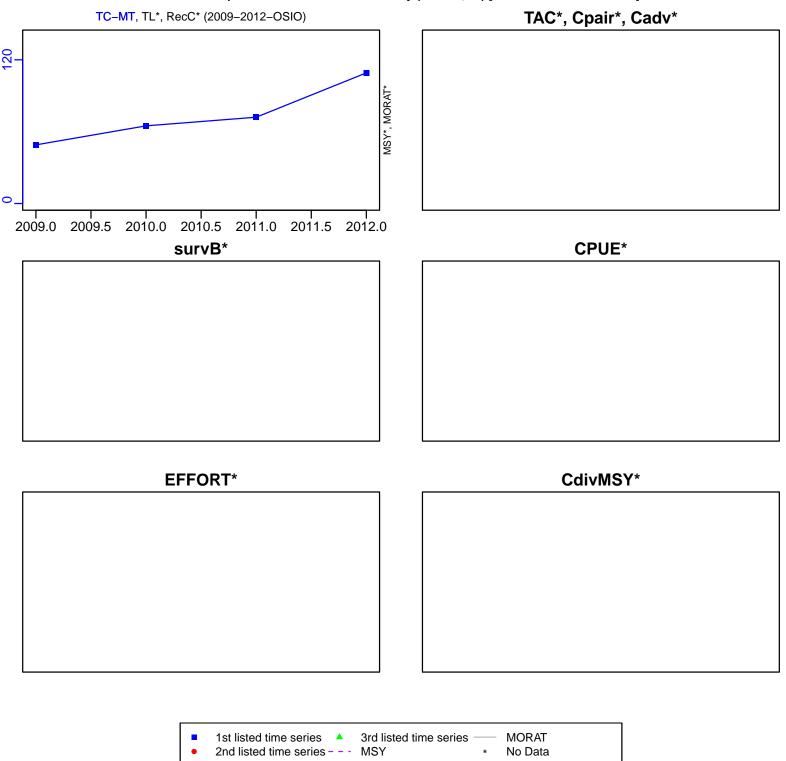
Spawner Recruit*  Production*		Kobe MGT*
Spawner Recruit*  Production*		
Spawner Recruit*  Production*		
Spawner Recruit* Production*		
Spawner Recruit*  Production*		
Spawner Recruit* Production*		
Spawner Recruit*  Production*		
Spawner Recruit* Production*		
Spawner Recruit* Production*		
Spawner Recruit* Production*		
Spawner Recruit* Production*		
Spawner Recruit* Production*		
	Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

TB*	SSB*
TN *	<b>F</b> *
ER*	Recruits*
	Rediales
■ Listed time series Ta	arget BRP — Rec-Est

No Data

- - MSY-based BRP - - · Lim BRP

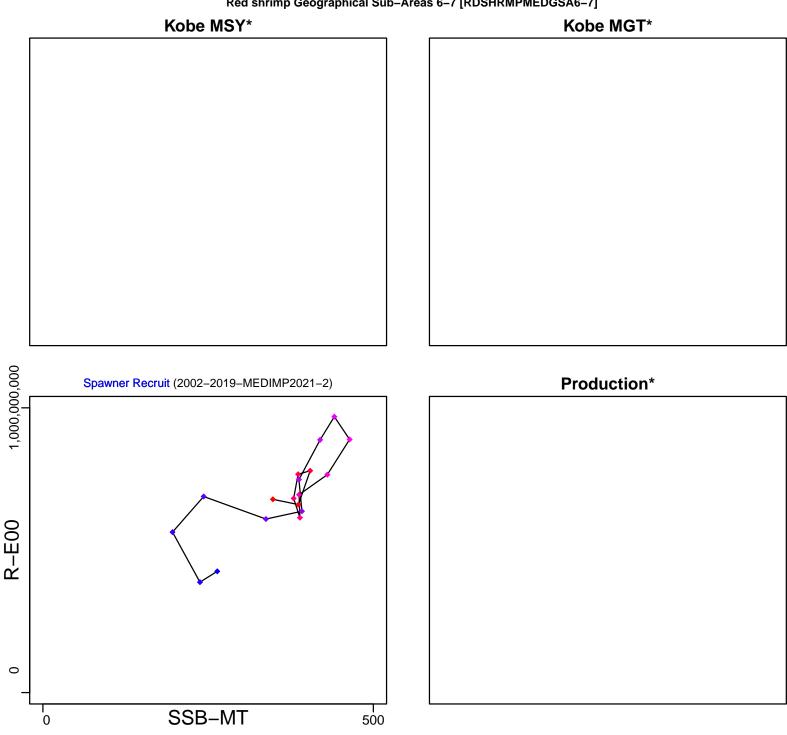


# Red shrimp Geographical Sub-Areas 6-7 [RDSHRMPMEDGSA6-7]

Metadata			
Scientific Name	Aristeus antennatus		
Current Assess ID	STECF-RDSHRMPMEDGSA6-7-2002-2019-MEDIMP2021-2		
Area	Geographical Sub-Areas 6-7		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2019		

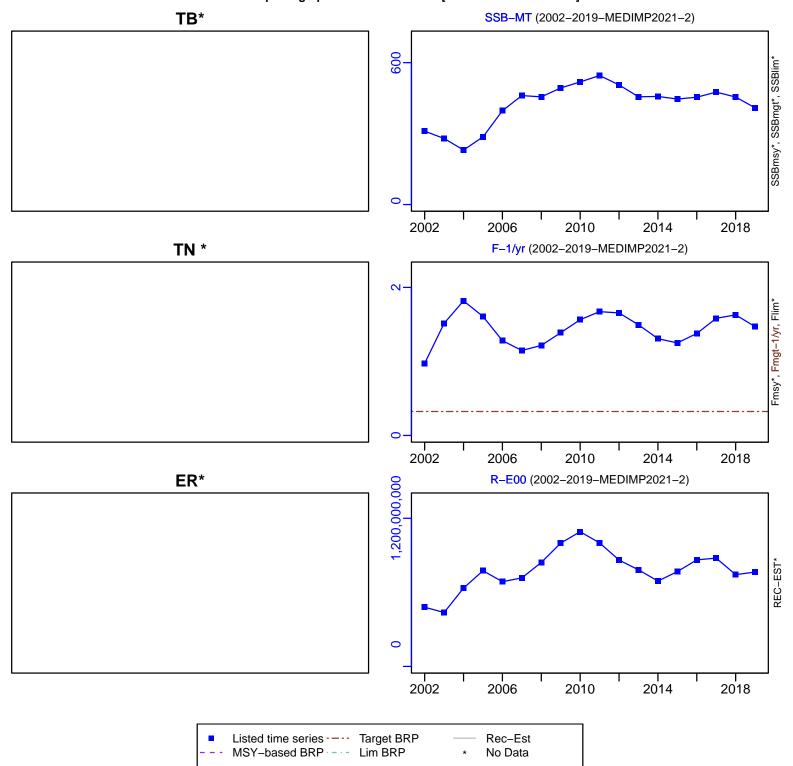
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2019	0.288		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2019	348	-	-
TN	-	-	-	-	-
R	R-E00	2019	678,770,728	-	-
F	F-1/yr	2019	1.305	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	566		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	4.538		
ER/ERmgt	-	-	-		

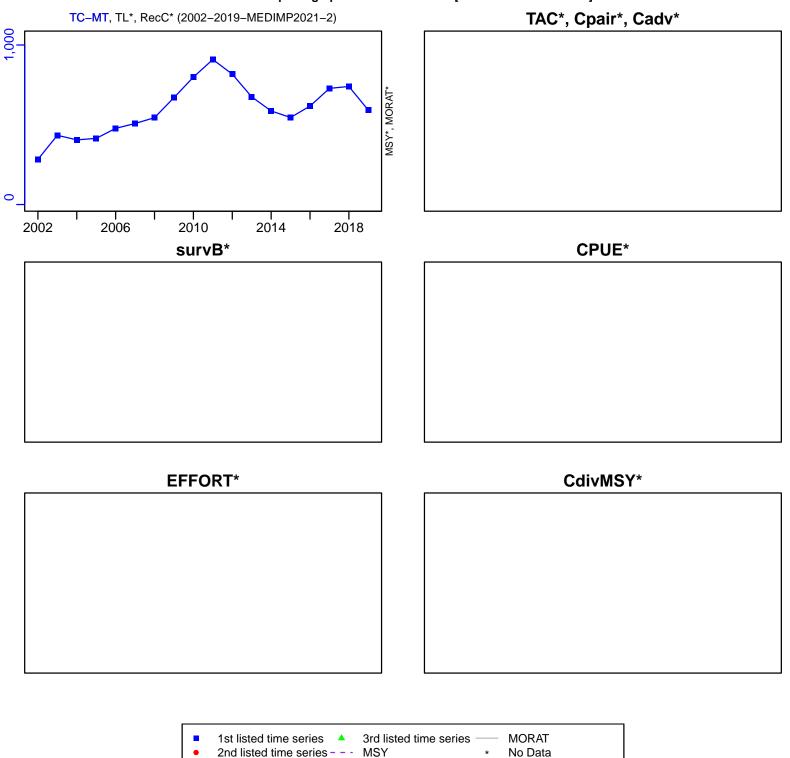


Start Year • End Year \* No Data

### Red shrimp Geographical Sub-Areas 6-7 [RDSHRMPMEDGSA6-7]



## Red shrimp Geographical Sub-Areas 6-7 [RDSHRMPMEDGSA6-7]

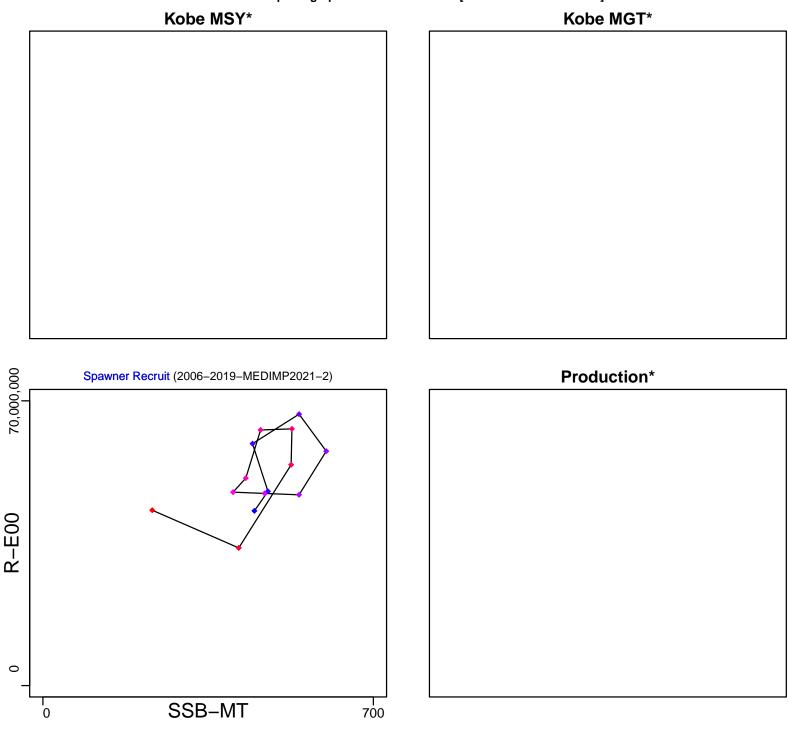


# Red shrimp Geographical Sub-Areas 9-11 [RDSHRMPMEDGSA9-11]

Metadata			
Scientific Name	Aristeus antennatus		
Current Assess ID	STECF-RDSHRMPMEDGSA9-11-2006-2019-MEDIMP2021-2		
Area	Geographical Sub-Areas 9-11		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2019		

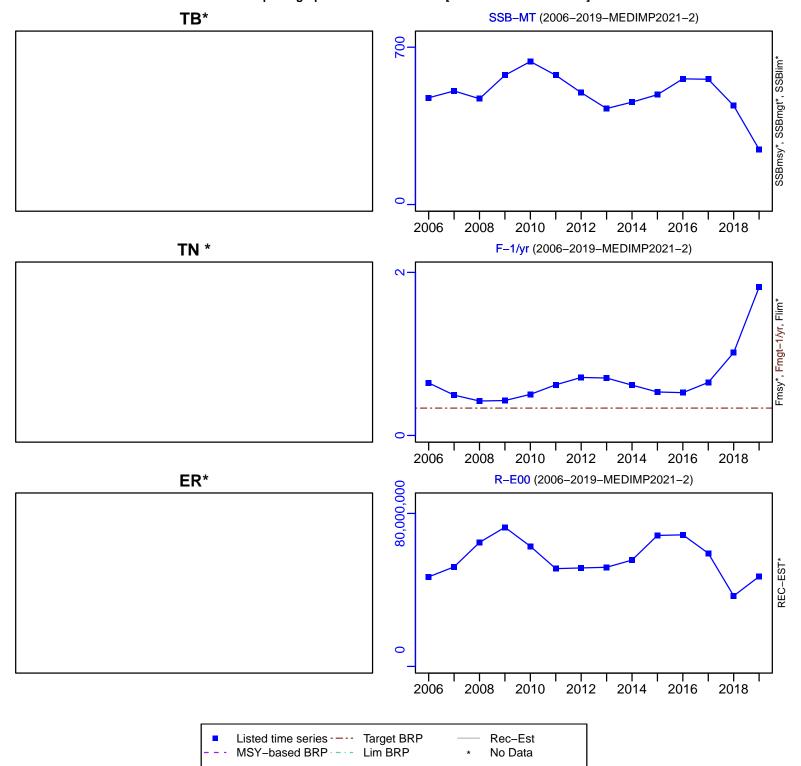
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2019	0.328		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2019	232	-	-
TN	-	-	-	-	-
R	R-E00	2019	43,108,168	-	-
F	F-1/yr	2019	1.778	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	366		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	5.418		
ER/ERmgt	-	-	-		

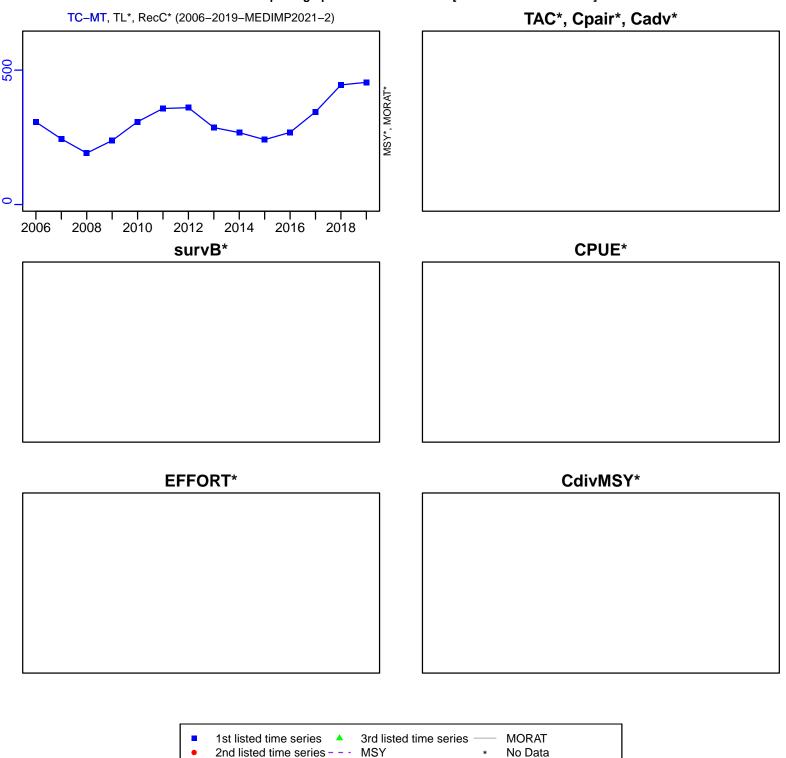


Start Year • End Year \* No Data

#### Red shrimp Geographical Sub-Areas 9-11 [RDSHRMPMEDGSA9-11]



## Red shrimp Geographical Sub-Areas 9-11 [RDSHRMPMEDGSA9-11]

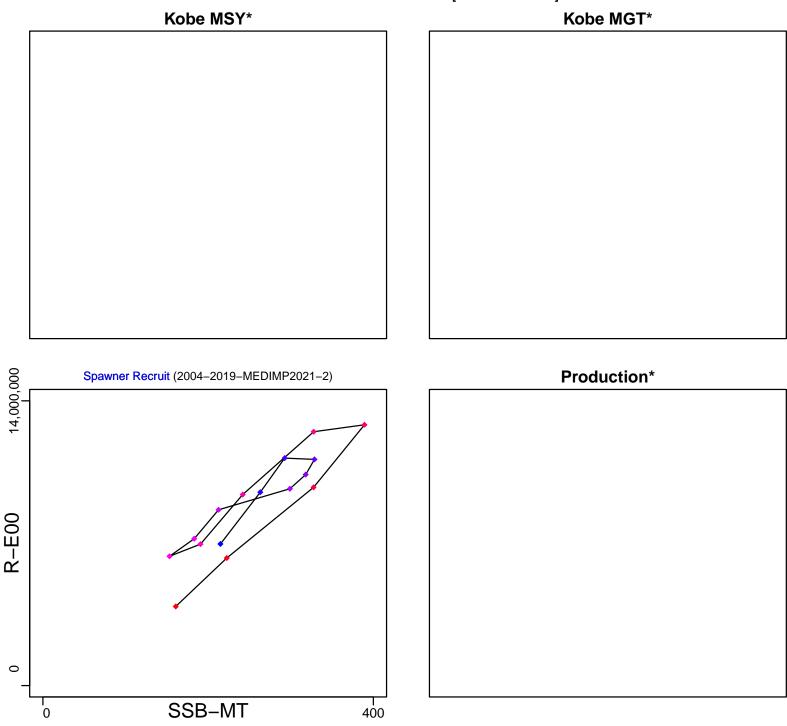


# Red mullet Northern Alboran Sea [RMULLMEDGSA1]

Metadata			
Scientific Name	Mullus barbatus		
Current Assess ID	STECF-RMULLMEDGSA1-2004-2019-MEDIMP2021-2		
Area	Northern Alboran Sea		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2013, 2019		

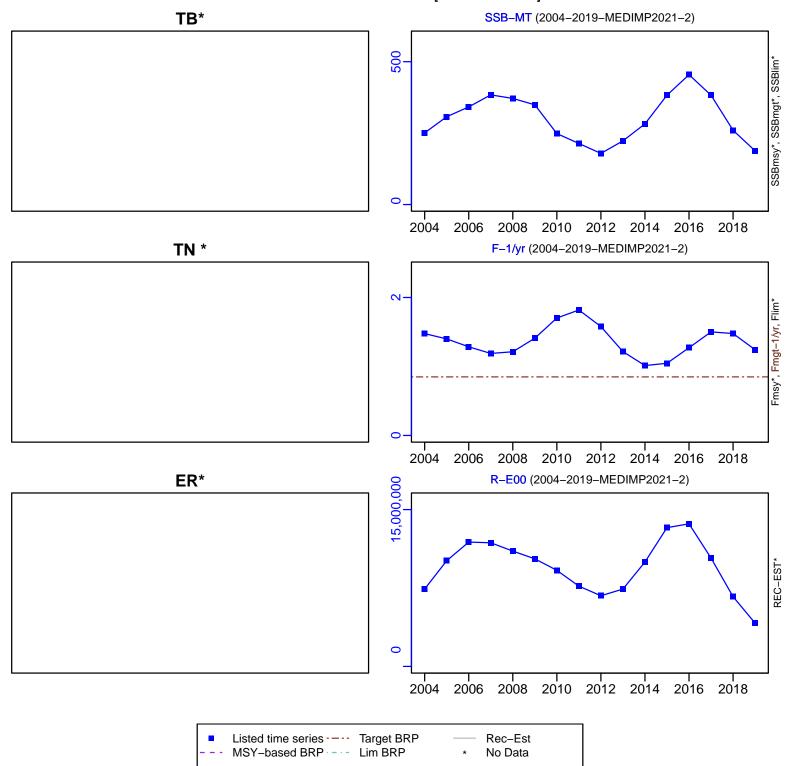
Reference Points					
Type	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2019	0.702		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2019	161	-	-
TN	-	-	-	-	-
R	R-E00	2019	3,890,013	-	-
F	F-1/yr	2019	1.028	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	115		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	1.463		
ER/ERmgt	-	-	-		

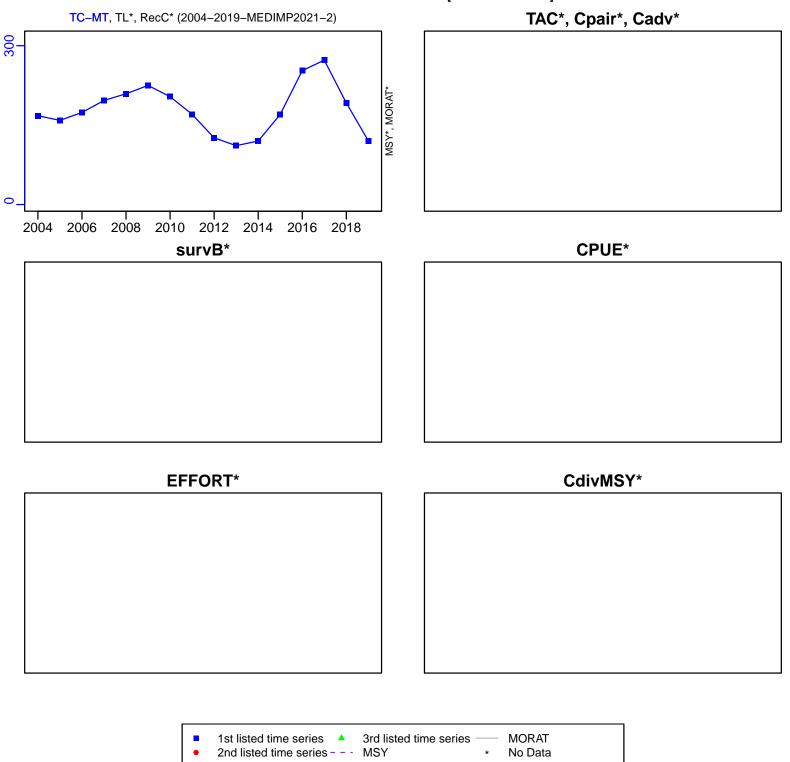


Start Year • End Year \* No Data

#### Red mullet Northern Alboran Sea [RMULLMEDGSA1]



### Red mullet Northern Alboran Sea [RMULLMEDGSA1]

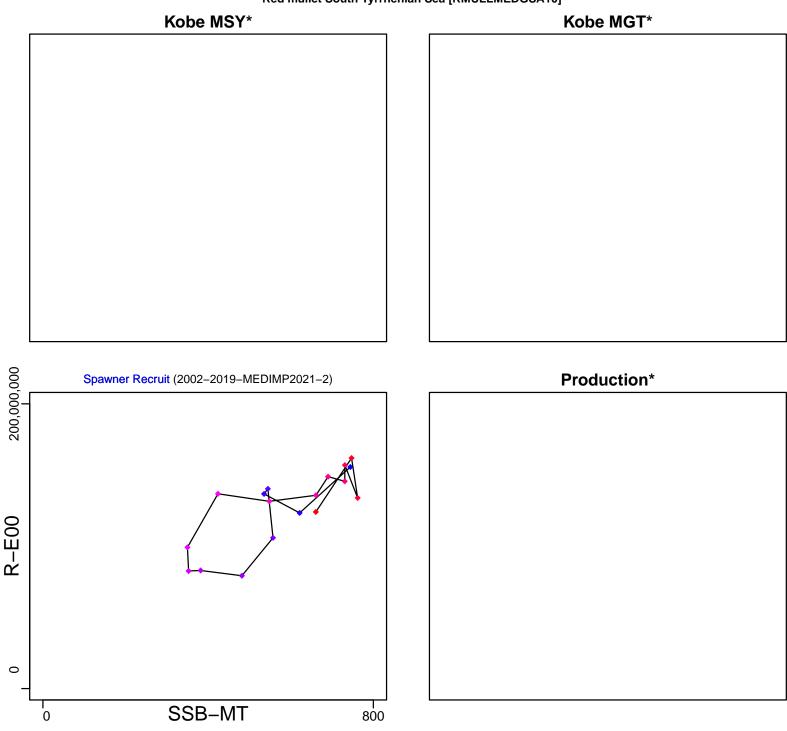


# Red mullet South Tyrrhenian Sea [RMULLMEDGSA10]

Metadata			
Scientific Name	Mullus barbatus		
Current Assess ID	STECF-RMULLMEDGSA10-2002-2019-MEDIMP2021-2		
Area South Tyrrhenian Sea			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2019, 2010		

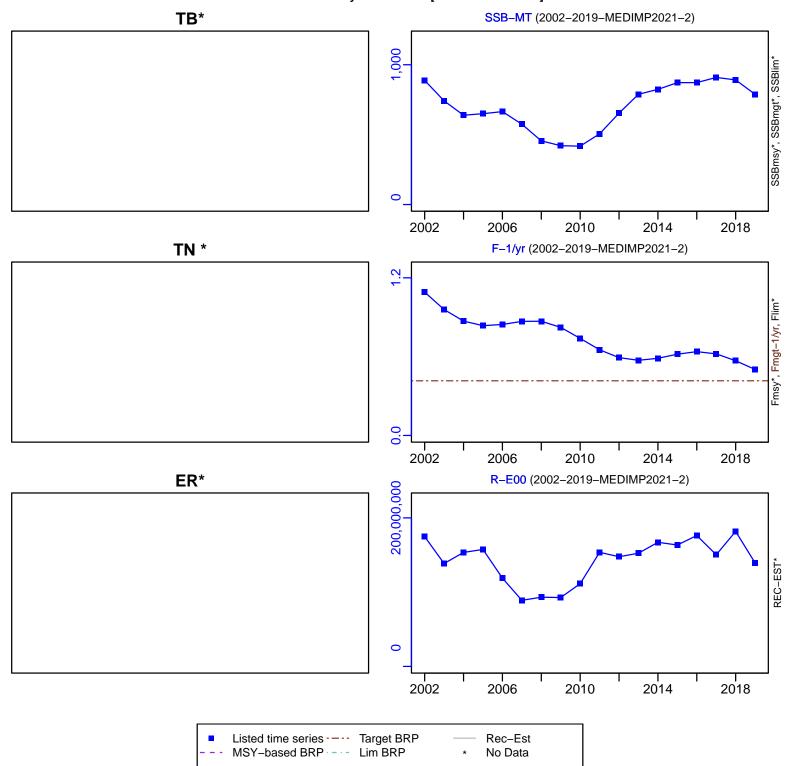
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2019	0.393	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2019	661	-	-
TN	-	-	-	-	-
R	R-E00	2019	124,069,753	-	-
F	F-1/yr	2019	0.475	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	334		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	1.207		
ER/ERmgt	-	-	-		

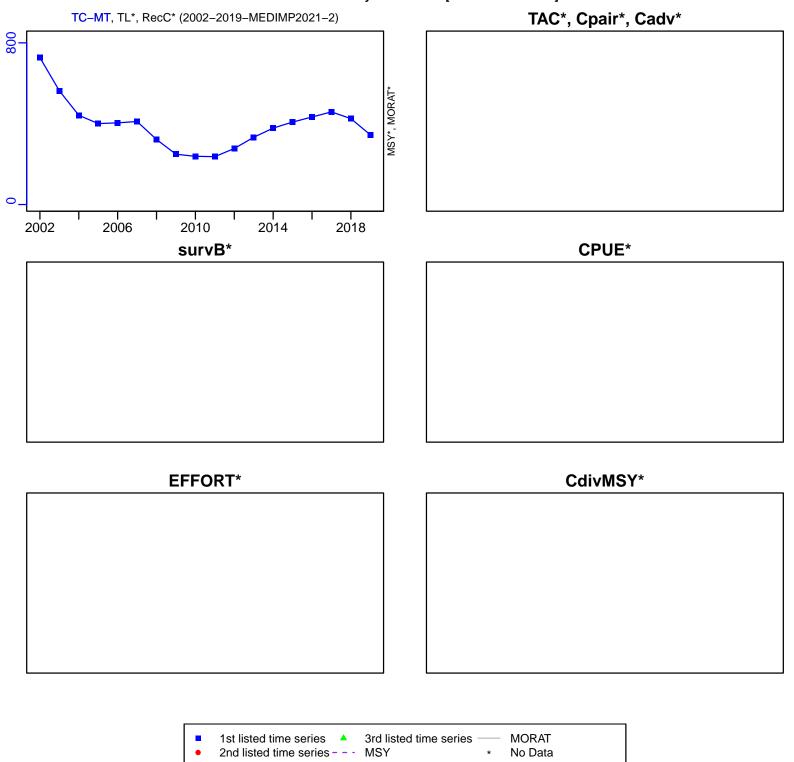


Start Year • End Year \* No Data

### Red mullet South Tyrrhenian Sea [RMULLMEDGSA10]



## Red mullet South Tyrrhenian Sea [RMULLMEDGSA10]

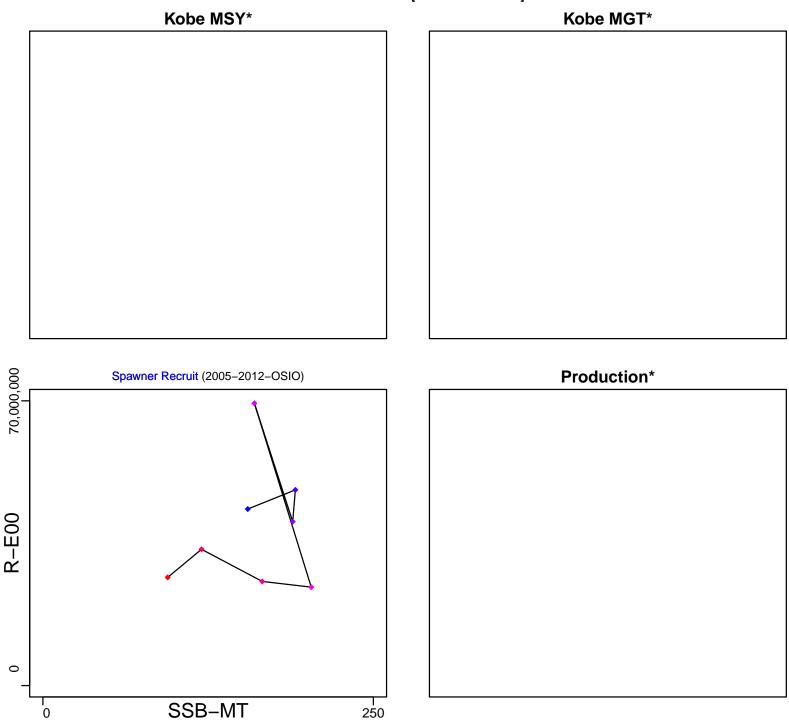


# Red mullet Sardinia [RMULLMEDGSA11]

Metadata			
Scientific Name	Mullus barbatus		
Current Assess ID	STECF-RMULLMEDGSA11-2005-2012-OSIO		
Area	Sardinia		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2012		

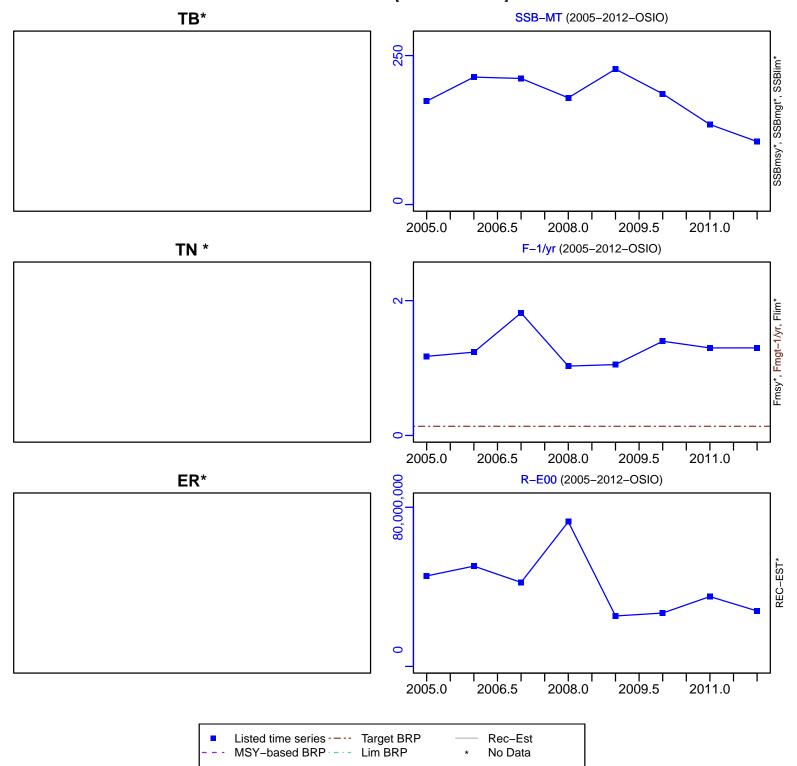
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2012	0.11	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2012	94	-	1+
TN	-	-	-	-	-
R	R-E00	2012	26,600,000	-	-
F	F-1/yr	2012	1.05	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	136		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	9.545		
ER/ERmgt	-	-	-		

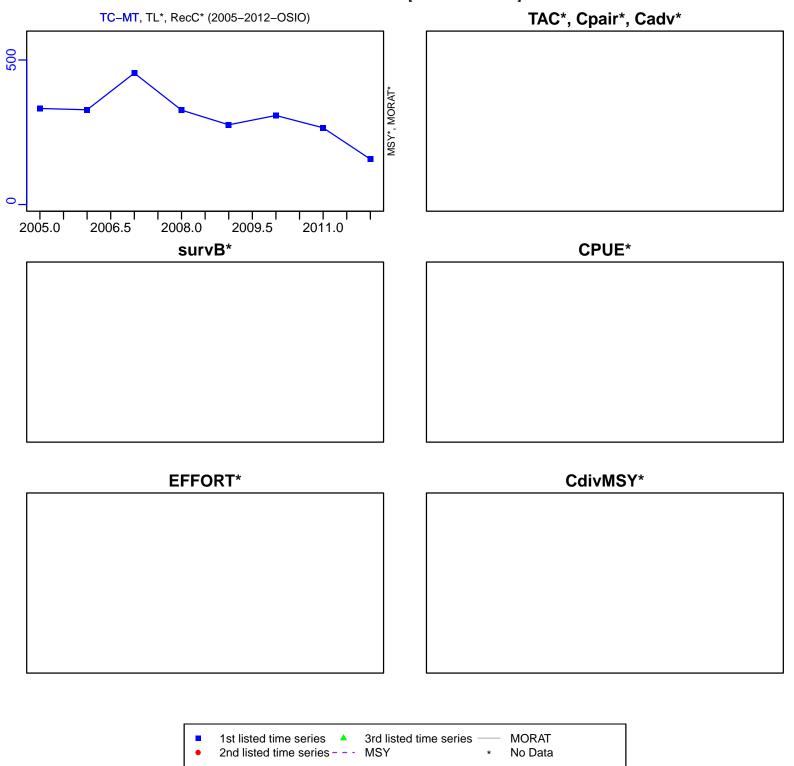


Start Year → End Year → No Data

# Red mullet Sardinia [RMULLMEDGSA11]



# Red mullet Sardinia [RMULLMEDGSA11]

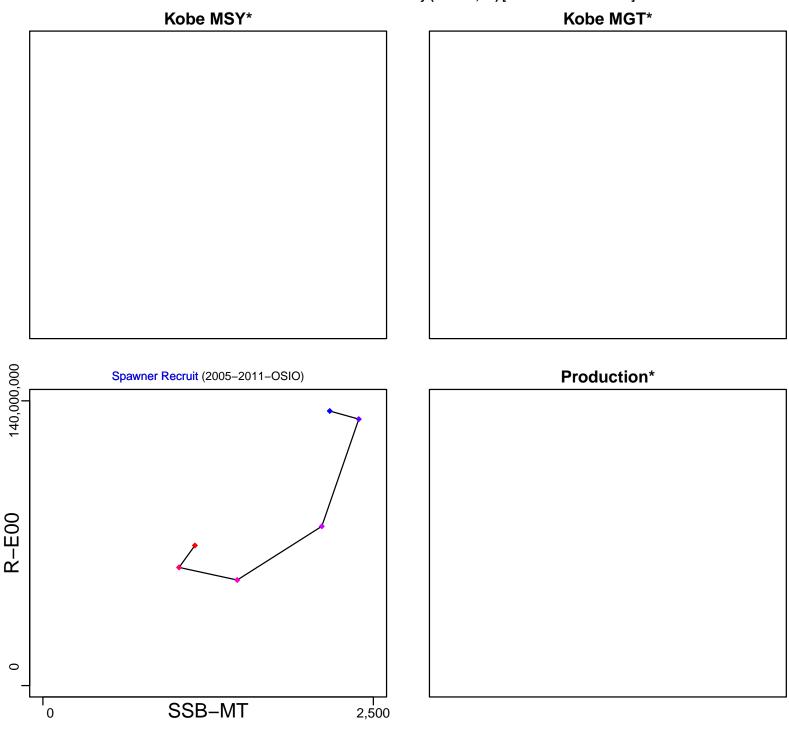


# Red mullet Malta Island and South of Sicily (GSA 15, 16) [RMULLMEDGSA15-16]

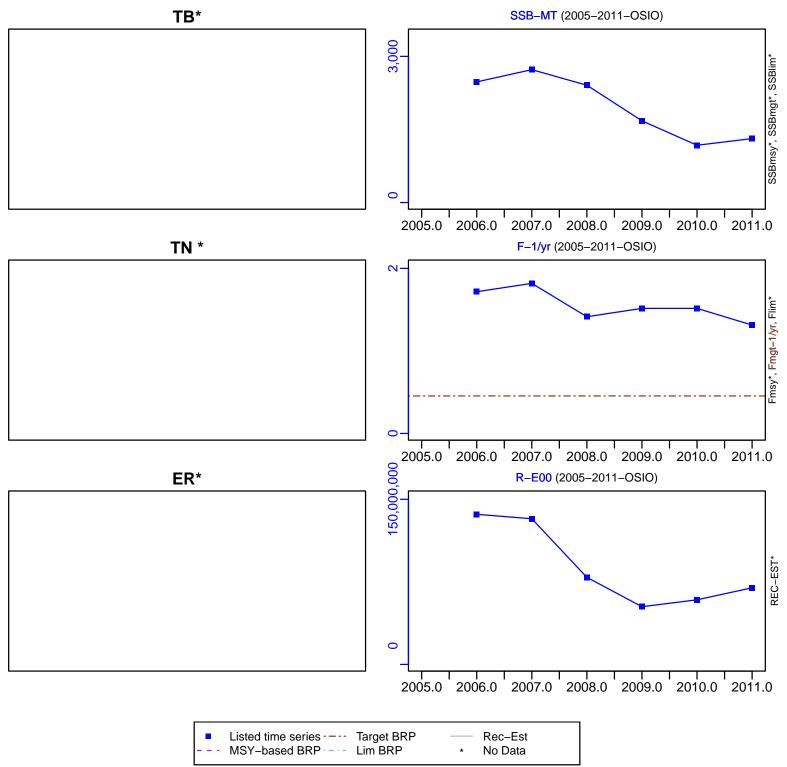
Metadata			
Scientific Name	Mullus barbatus		
Current Assess ID STECF-RMULLMEDGSA15-16-2005-2011-OSIO			
Area Malta Island and South of Sicily (GSA 15, 16)			
Management Authority General Fisheries Council for the Mediterranean, DG MARE, and national st			
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2011		

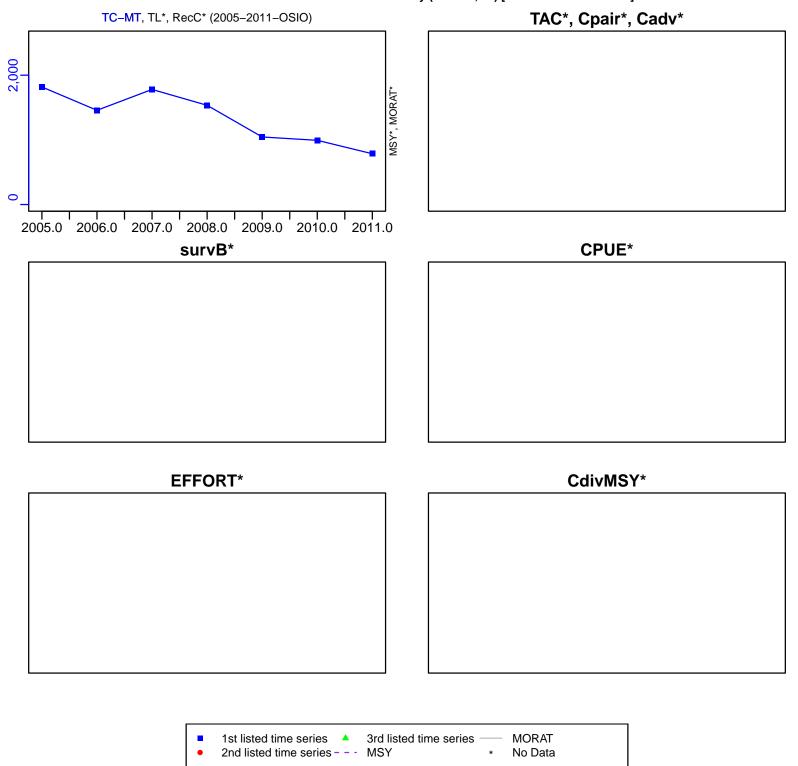
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2011	0.45	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	SSB-MT	2011	1150	-	1.5+	
TN	-	-	-	-	-	
R	R-E00	2011	68,900,000	-	-	
F	F-1/yr	2011	1.3	-	-	
ER	-	-	-	-	-	
TC	TC-MT	2011	609			
TL	-	-	-			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	2.889			
ER/ERmgt	-	-	-			



Start Year • End Year \* No Data



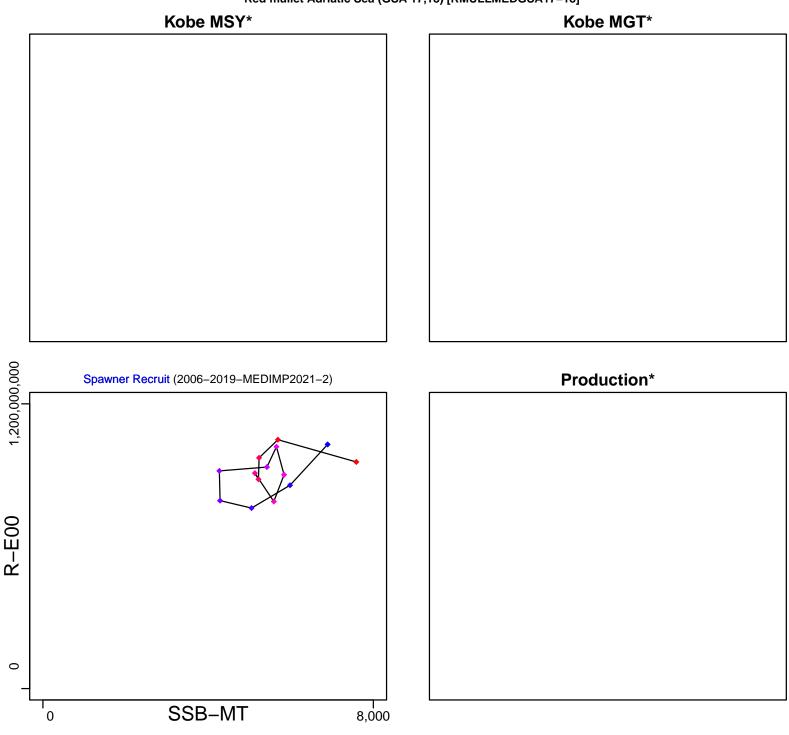


# Red mullet Adriatic Sea (GSA 17,18) [RMULLMEDGSA17-18]

Metadata			
Scientific Name	Mullus barbatus		
Current Assess ID	STECF-RMULLMEDGSA17-18-2006-2019-MEDIMP2021-2		
Area Adriatic Sea (GSA 17,18)			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2019, 2014		

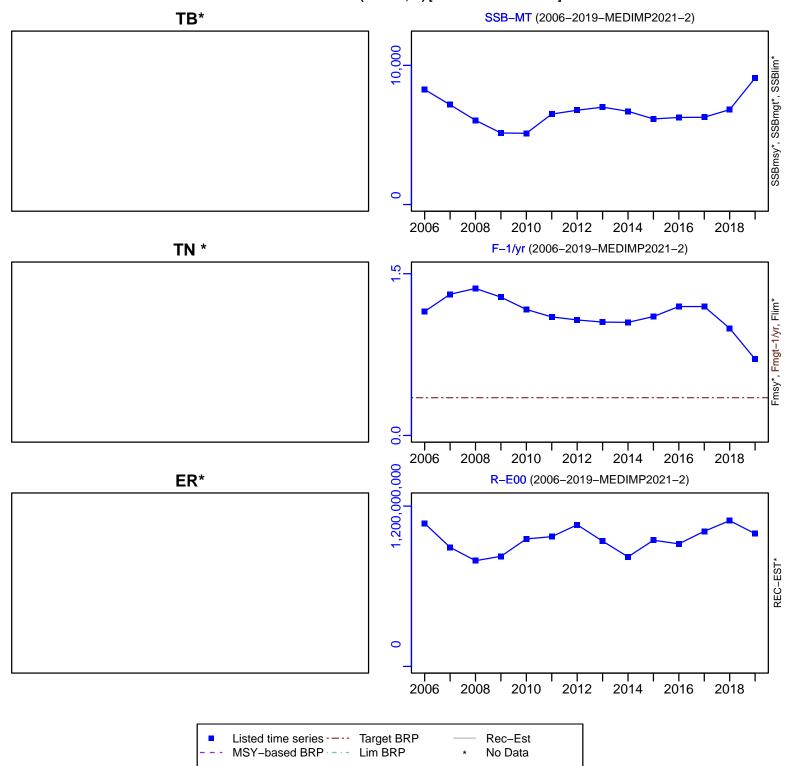
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2019	0.34	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2019	7587	-	-
TN	-	-	-	-	-
R	R-E00	2019	955,114,012	-	-
F	F-1/yr	2019	0.687	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	4632		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	2.02		
ER/ERmgt	-	-	-		

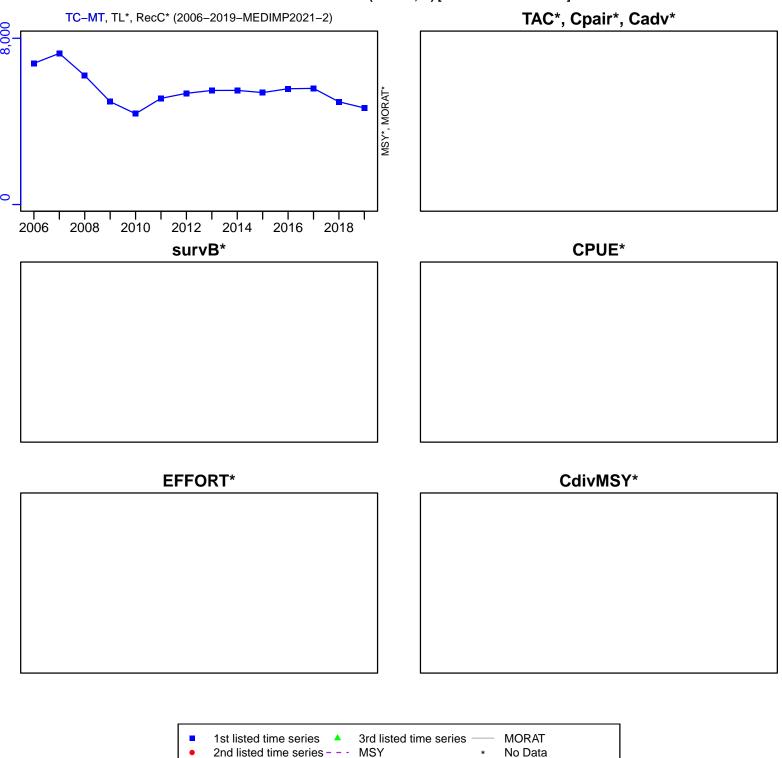


Start Year • End Year \* No Data

# Red mullet Adriatic Sea (GSA 17,18) [RMULLMEDGSA17-18]



### Red mullet Adriatic Sea (GSA 17,18) [RMULLMEDGSA17-18]

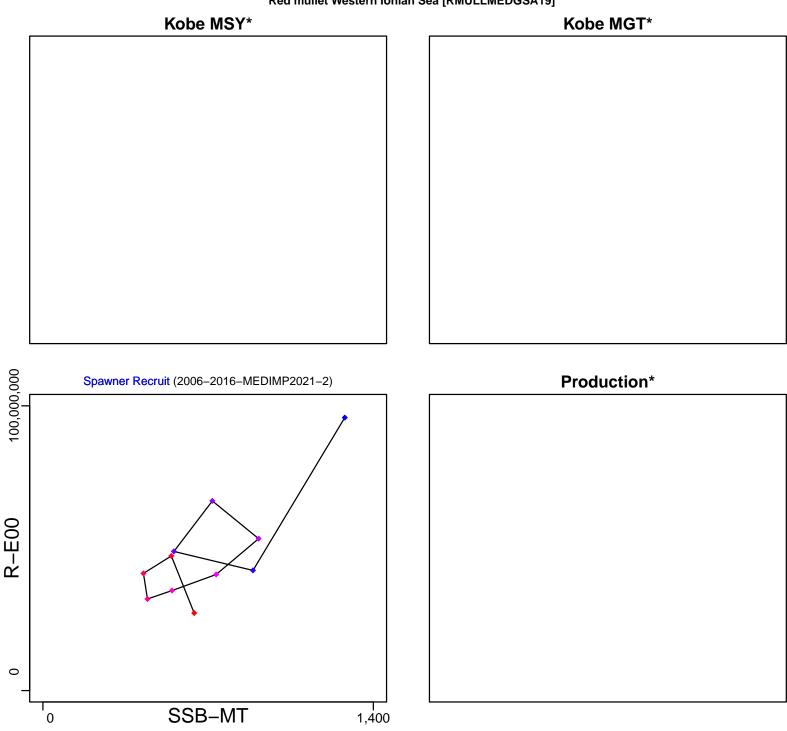


# Red mullet Western Ionian Sea [RMULLMEDGSA19]

Metadata			
Scientific Name	Mullus barbatus		
Current Assess ID	STECF-RMULLMEDGSA19-2006-2016-MEDIMP2021-2		
Area Western Ionian Sea			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2014, 2016		

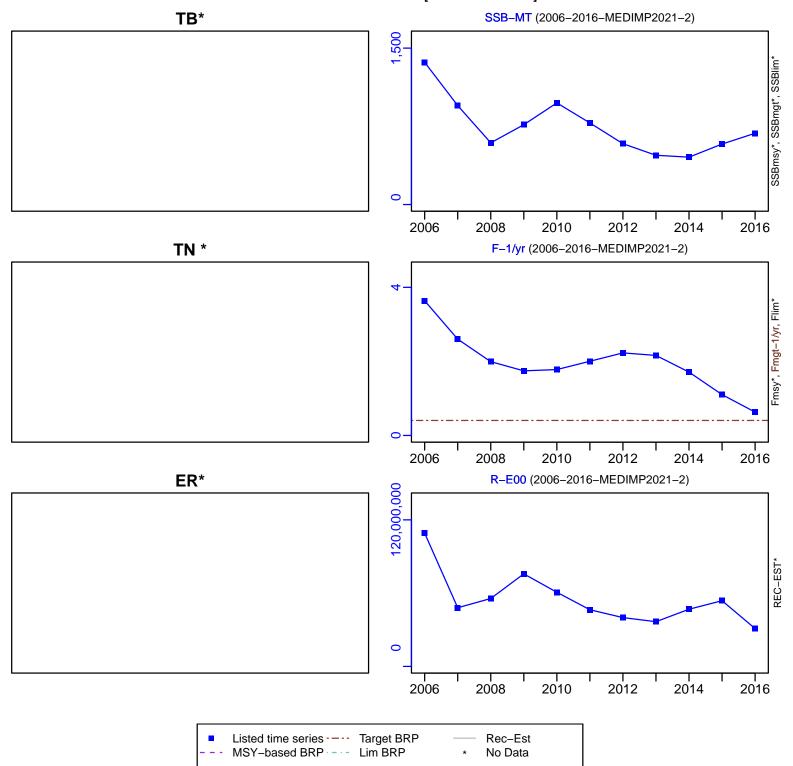
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2016	0.36	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2016	641	-	-
TN	-	-	-	-	-
R	R-E00	2016	27,230,000	-	-
F	F-1/yr	2016	0.56	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	278		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.556		
ER/ERmgt	-	-	-		

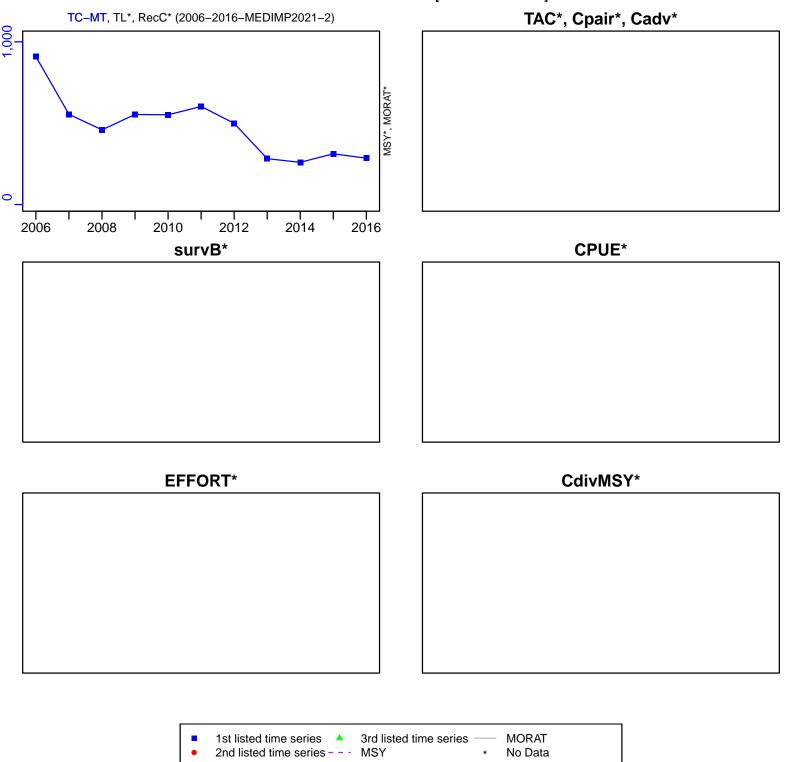


Start Year • End Year \* No Data

#### Red mullet Western Ionian Sea [RMULLMEDGSA19]



### Red mullet Western Ionian Sea [RMULLMEDGSA19]

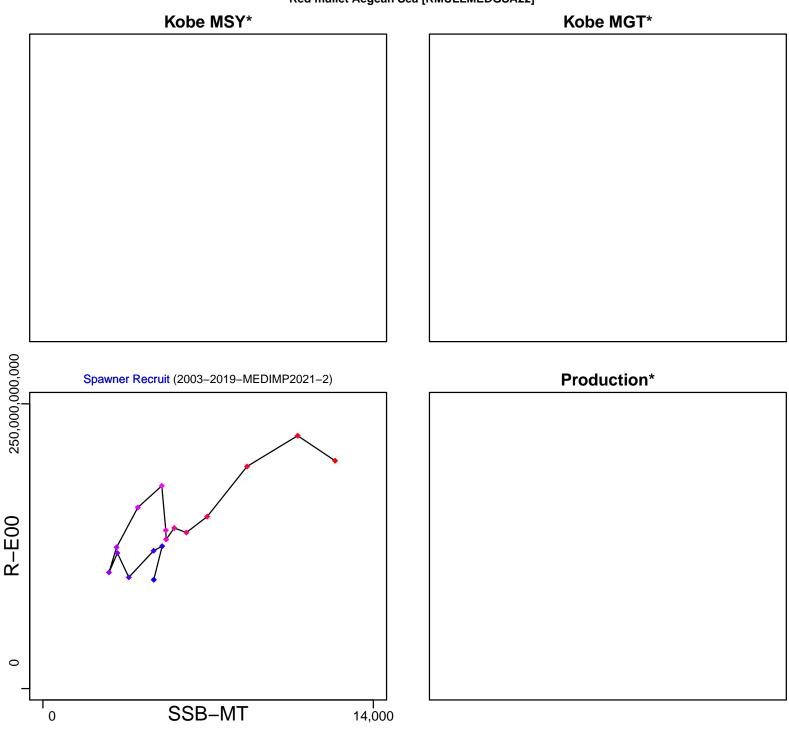


# Red mullet Aegean Sea [RMULLMEDGSA22]

Metadata			
Scientific Name	Mullus barbatus		
Current Assess ID STECF-RMULLMEDGSA22-2003-2019-MEDIMP2021-2			
Area Aegean Sea			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2019		

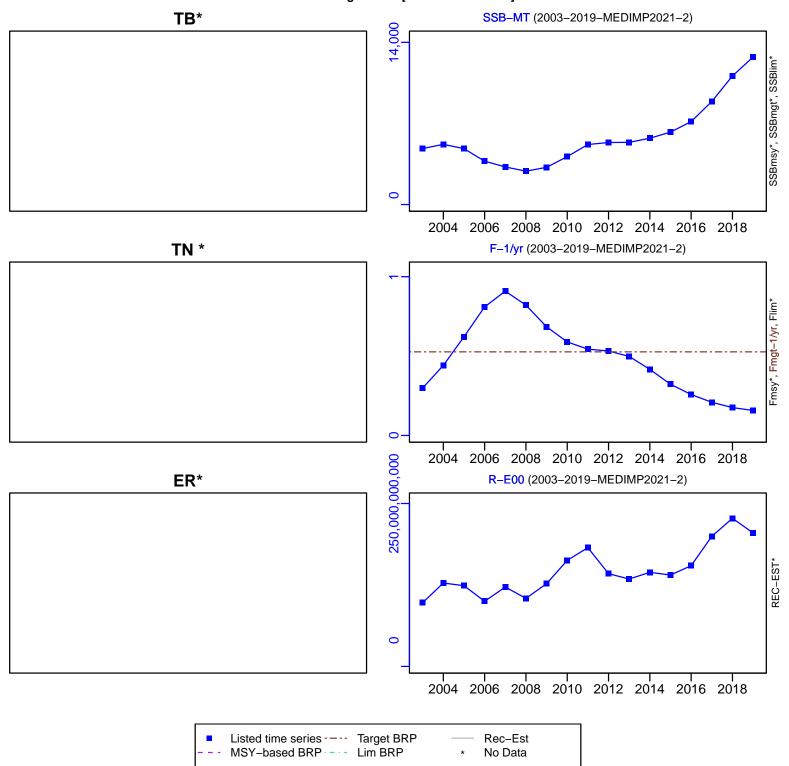
Reference Points				
Type	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2019	0.501	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М		-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	SSB-MT	2019	12,379	-	-	
TN	-	-	-	-	-	
R	R-E00	2019	$2 \times 10^{11}$	-	-	
F	F-1/yr	2019	0.15	-	-	
ER	-	-	-	-	-	
TC	TC-MT	2019	1804			
TL	-	-	-			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	0.299			
ER/ERmgt	-	-	-			

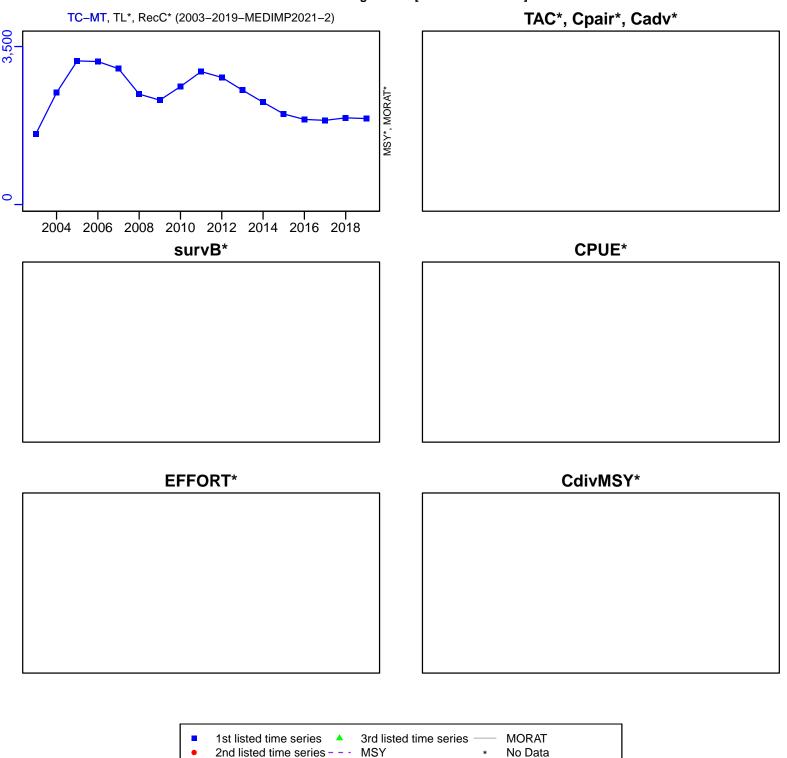


Start Year • End Year \* No Data

### Red mullet Aegean Sea [RMULLMEDGSA22]



### Red mullet Aegean Sea [RMULLMEDGSA22]



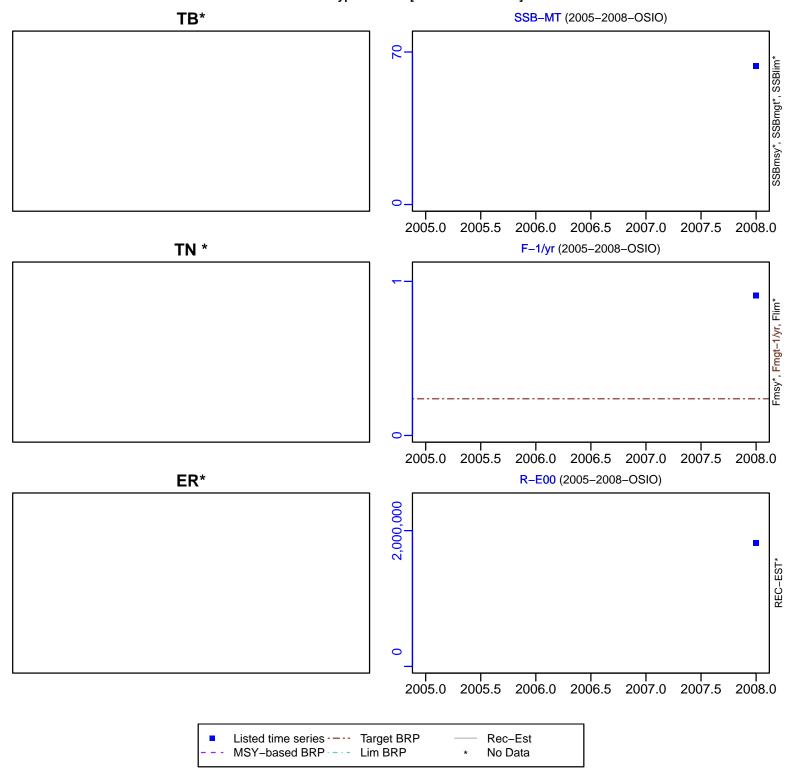
Metadata				
Scientific Name Mullus barbatus				
Current Assess ID STECF-RMULLMEDGSA25-2005-2008-OSIO				
Area Cyprus Island				
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states			
Assessor Scientific, Technical and Economic Committee for Fisheries				
Asmts in RAM	2008			

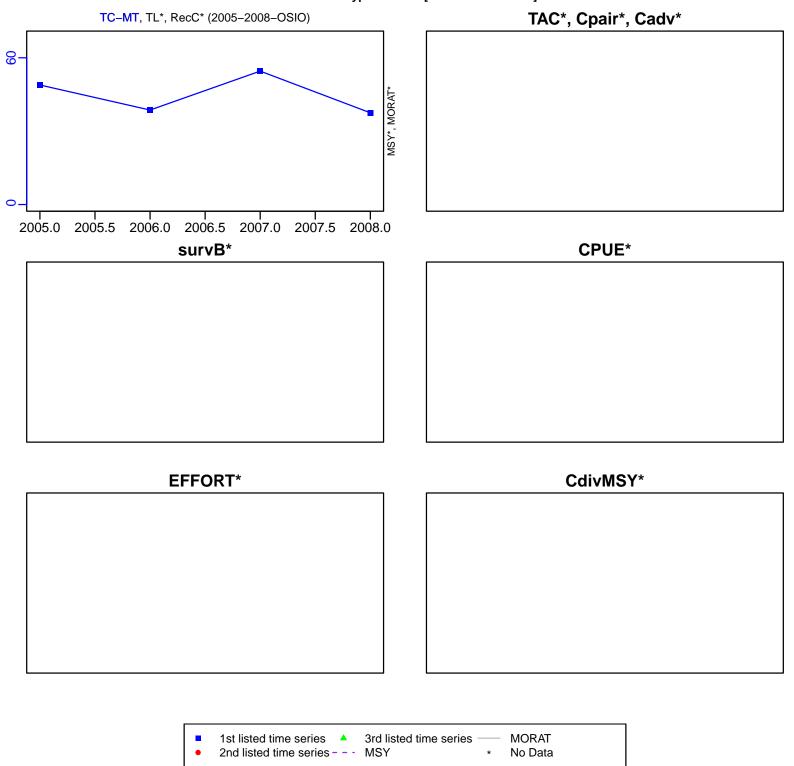
Reference Points				
Туре	ID	Value		
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2008	0.22	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2008	58	-	-
TN	-	-	-	-	-
R	R-E00	2008	1,480,000	-	-
F	F-1/yr	2008	0.84	-	-
ER	-	-	-	-	-
TC	TC-MT	2008	33		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2008	3.818		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data



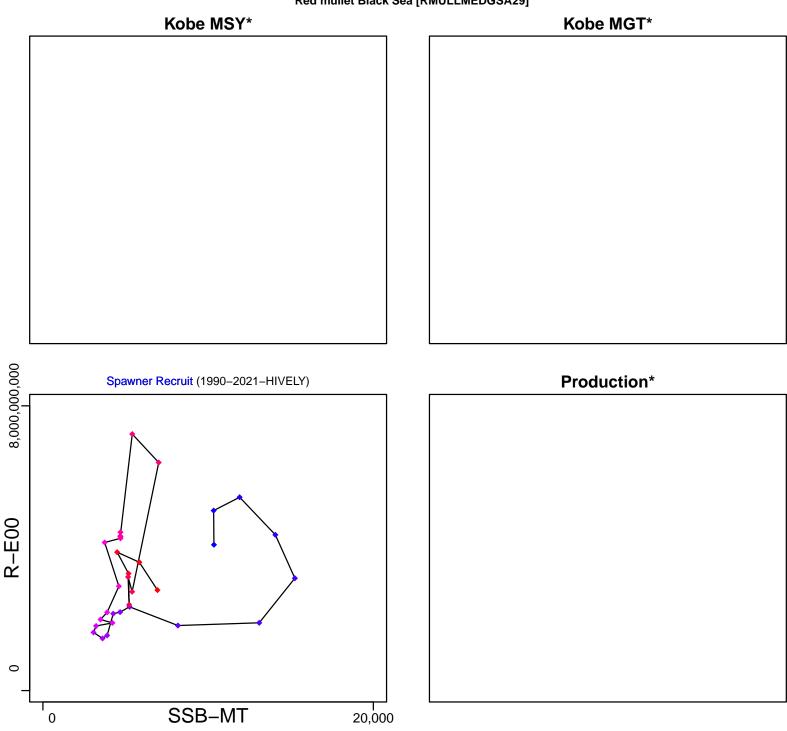


# Red mullet Black Sea [RMULLMEDGSA29]

Metadata			
Scientific Name	Mullus barbatus		
Current Assess ID	SGSABS-RMULLMEDGSA29-1990-2021-HIVELY		
Area Black Sea			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Subregional Group on Stock Assessment for the Black Sea		
Asmts in RAM	2021, 2014, 2016		

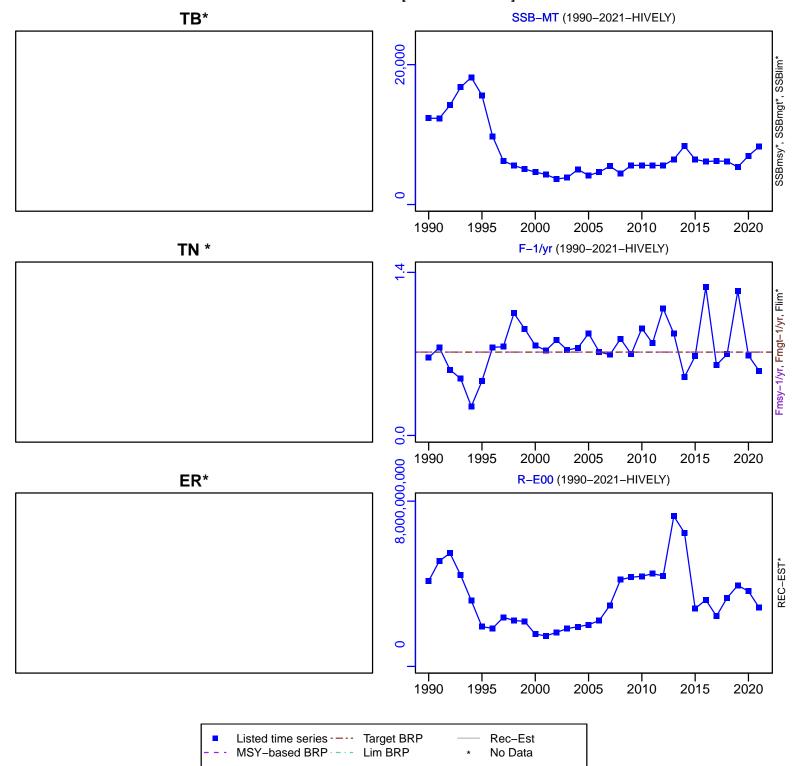
Reference Points				
Туре				
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2021	0.7	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2021	0.7	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2021	6933	-	-
TN	-	-	-	-	-
R	R-E00	2021	2,822,999,790	-	0
F	F-1/yr	2021	0.542	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	3617		
TL	TL-MT	2021	3151		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2021	0.775		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	0.775		
ER/ERmgt	-	-	-		

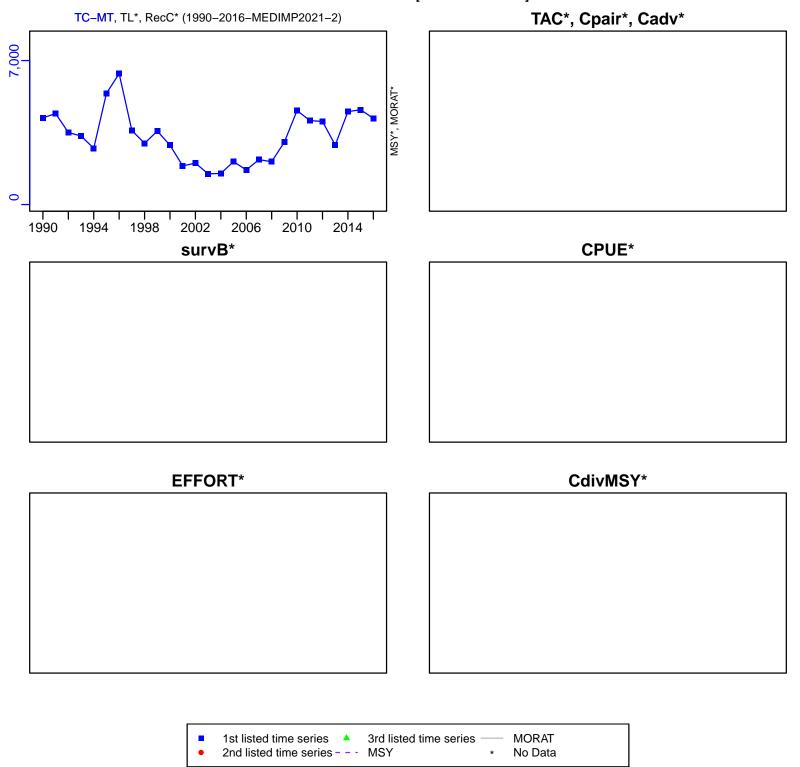


Start Year • End Year \* No Data

# Red mullet Black Sea [RMULLMEDGSA29]



### Red mullet Black Sea [RMULLMEDGSA29]

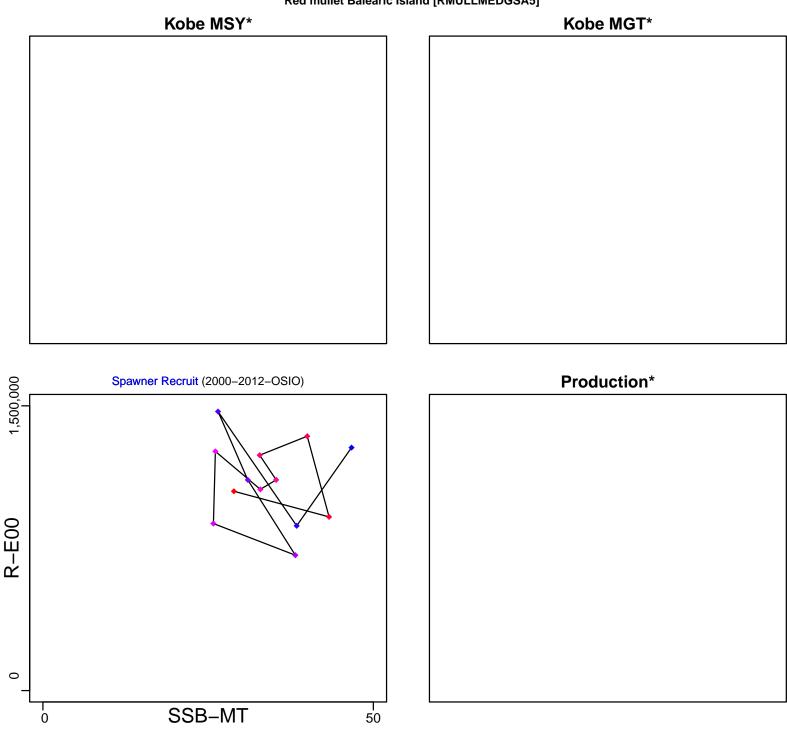


# Red mullet Balearic Island [RMULLMEDGSA5]

Metadata				
Scientific Name	Mullus barbatus			
Current Assess ID STECF-RMULLMEDGSA5-2000-2012-OSIO				
Area Balearic Island				
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states			
Assessor Scientific, Technical and Economic Committee for Fisheries				
Asmts in RAM	2012			

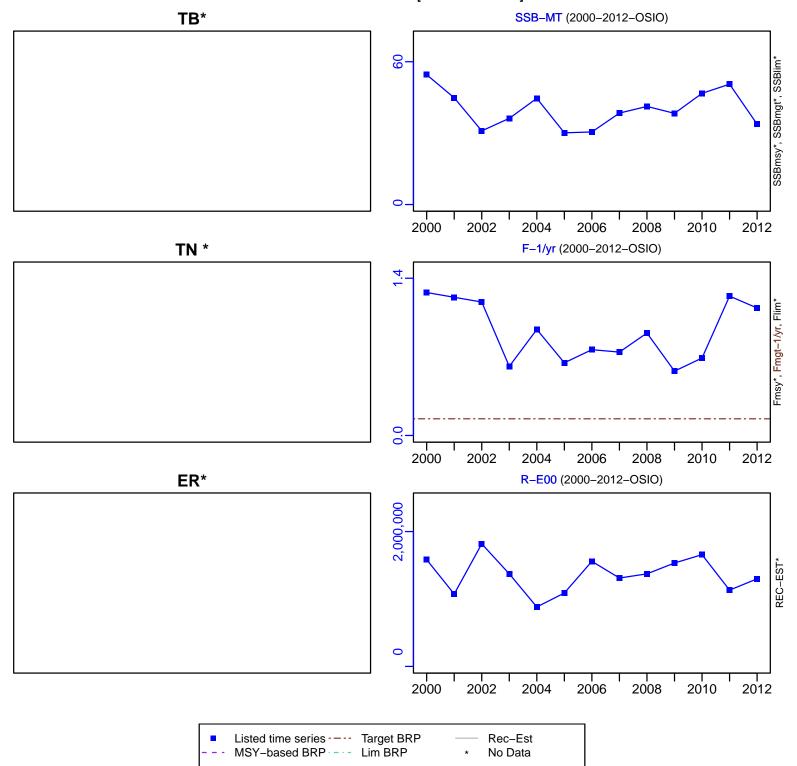
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2012	0.14	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2012	29	-	1+
TN	-	-	-	-	-
R	R-E00	2012	1,050,000	-	-
F	F-1/yr	2012	1.07	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	16		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	7.643		
ER/ERmgt	-	-	-		

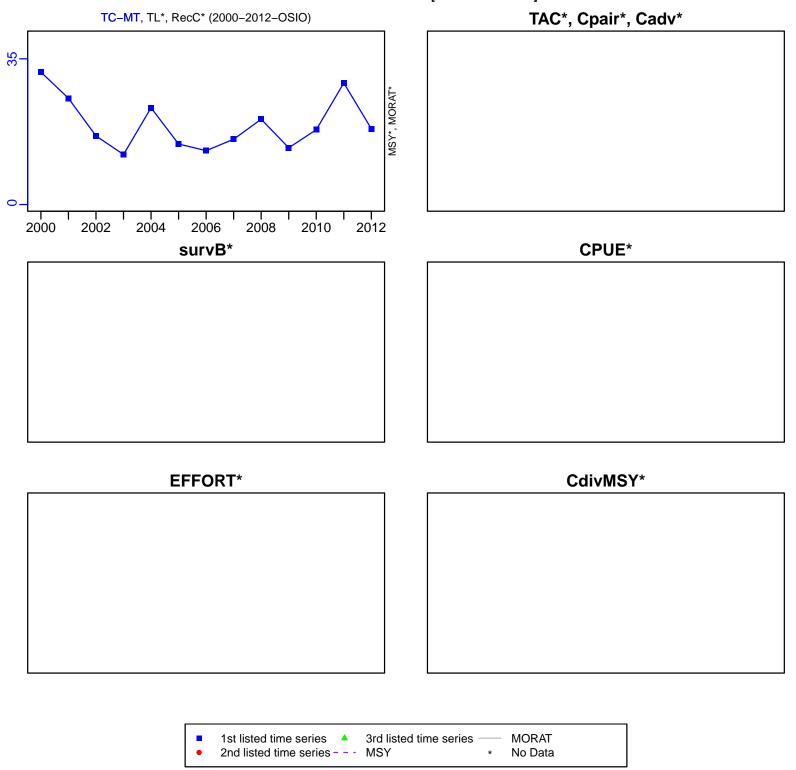


Start Year • End Year \* No Data

### Red mullet Balearic Island [RMULLMEDGSA5]



### Red mullet Balearic Island [RMULLMEDGSA5]

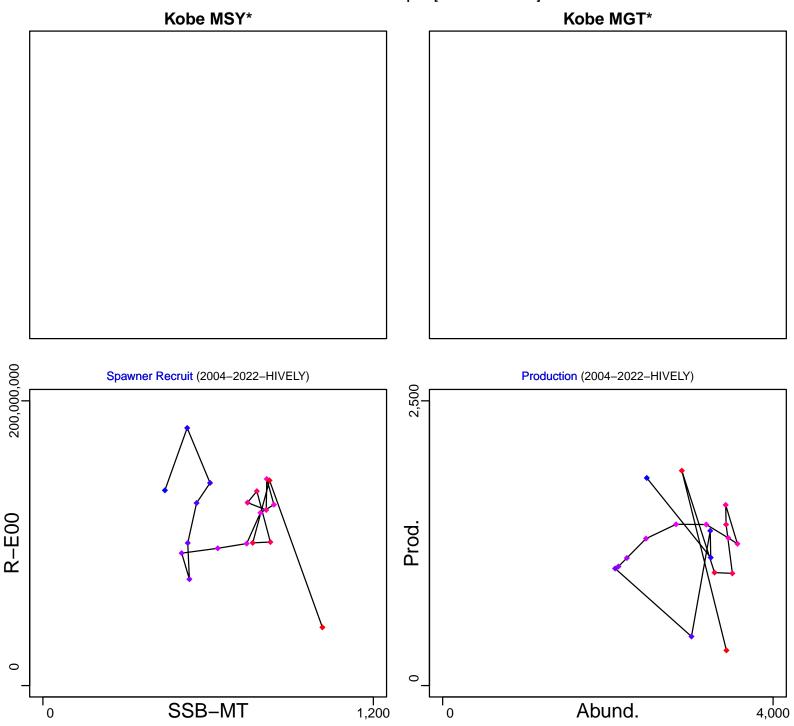


# Red mullet Northern Spain [RMULLMEDGSA6]

Metadata			
Scientific Name Mullus barbatus			
Current Assess ID WGSAD-RMULLMEDGSA6-2004-2022-HIVELY			
Area Northern Spain			
Management Authority General Fisheries Council for the Mediterranean, DG MARE, and national s			
Assessor Working Group on Stock Assessment of Demersal Species			
Asmts in RAM	2013, 2019, 2021, 2022		

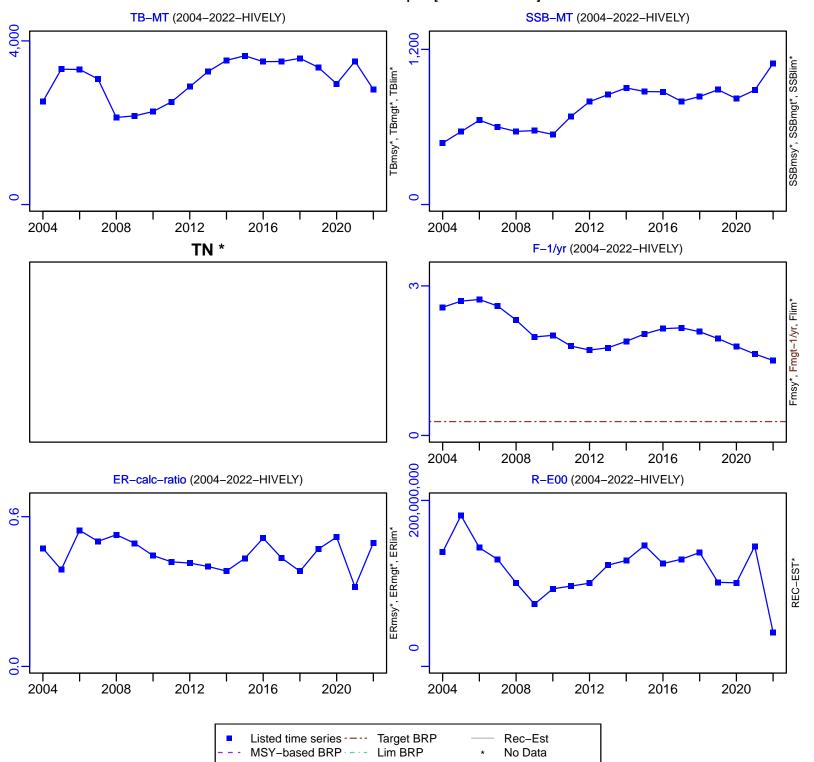
Reference Points					
Туре	ID	Asmt Year Val			
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2022	0.25		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series							
Туре	ID	Asmt Year	Curr Value	Sex	Age		
ТВ	TB-MT	2022	2762	-	-		
SSB	SSB-MT	2022	1015	-	-		
TN	-	-	-	-	-		
R	R-E00	2022	40,910,000	-	0		
F	F-1/yr	2022	1.349	-	1 to 3		
ER	ER-calc-ratio	2022	0.445	-	-		
TC	TC-MT	2019	1546				
TL	TL-MT	2022	1228				
TB/TBmsy	-	-	-				
SSB/SSBmsy	-	-	-				
F/Fmsy	-	-	-				
ER/ERmsy	-	-	-				
TB/TBmgt	-	-	-				
SSB/SSBmgt	-	-	-				
F/Fmgt	F-1/yr/Fmgt-1/yr	2022	5.396				
ER/ERmgt	-	-	-				

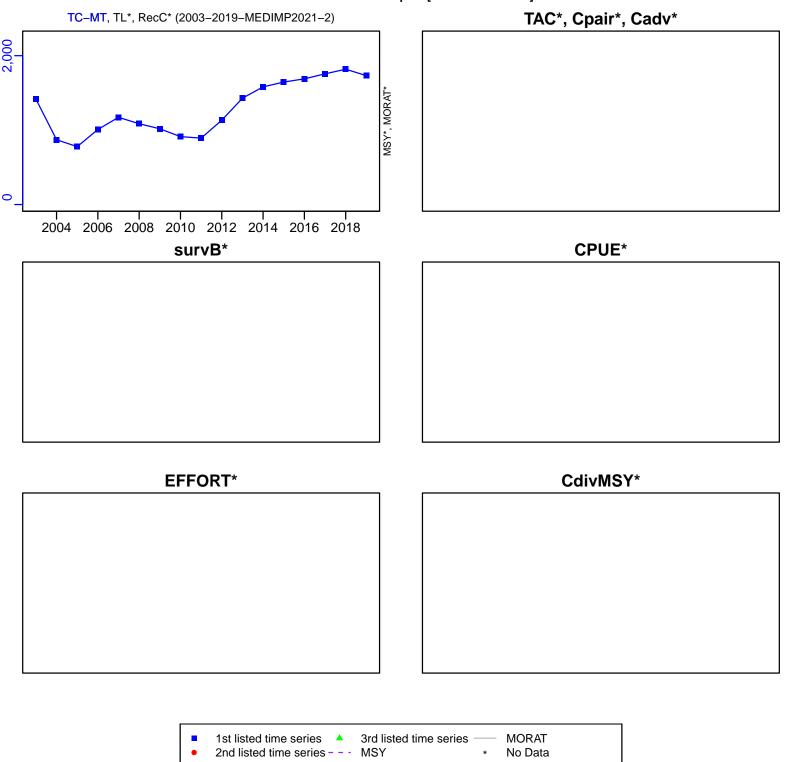


Start Year → End Year → No Data

#### Red mullet Northern Spain [RMULLMEDGSA6]



### Red mullet Northern Spain [RMULLMEDGSA6]



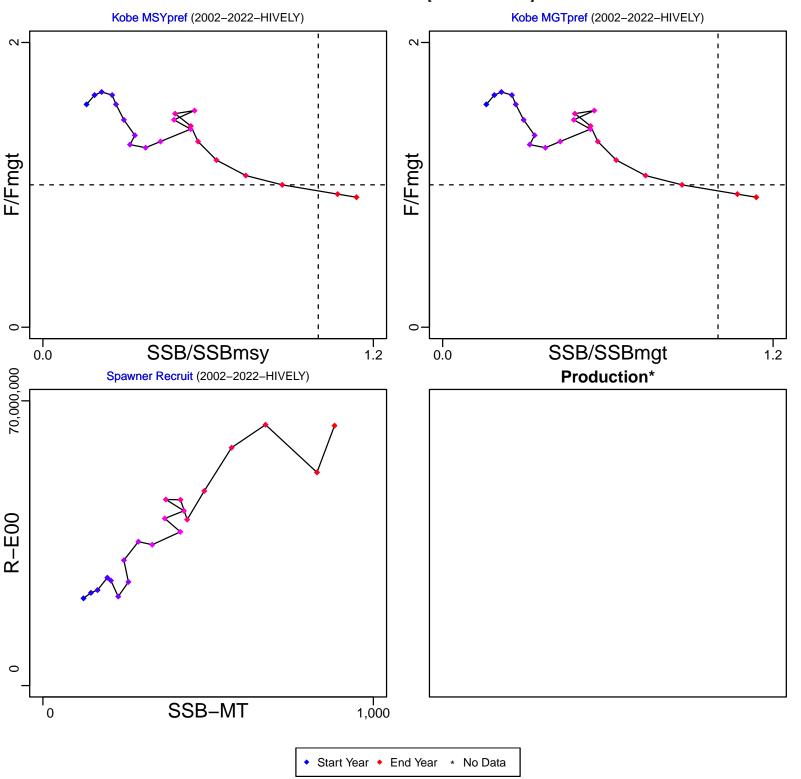
# Red mullet Gulf of Lions [RMULLMEDGSA7]

Metadata			
Scientific Name	Mullus barbatus		
Current Assess ID	WGSAD-RMULLMEDGSA7-2002-2022-HIVELY		
Area	Gulf of Lions		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Working Group on Stock Assessment of Demersal Species		
Asmts in RAM	2019, 2013, 2021, 2022		

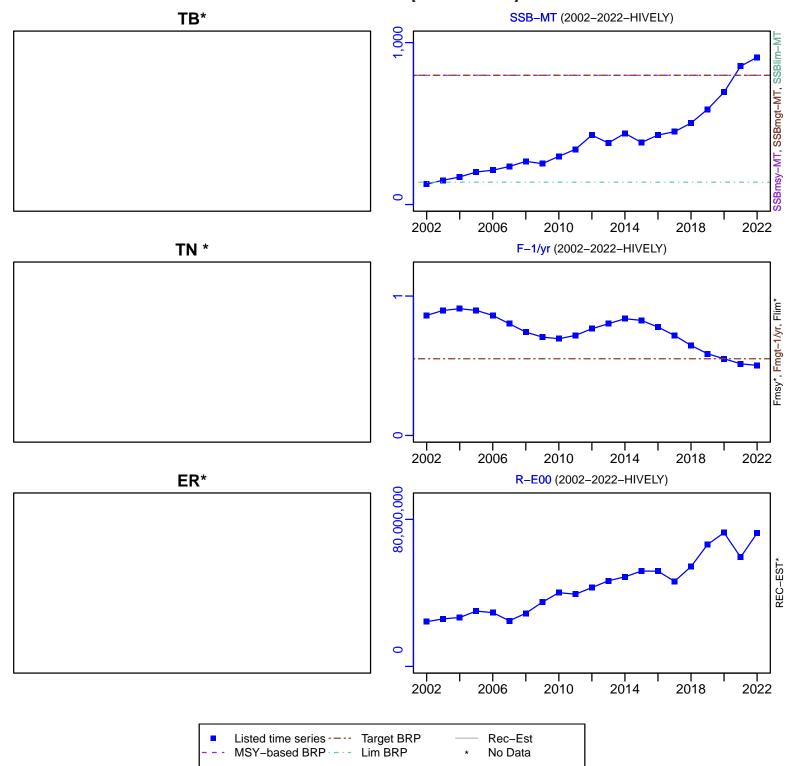
Reference Points					
Type	ID Asmt Year		Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-MT	2022	775		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2022	775		
Fmgt	Fmgt-1/yr	2022	0.46		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2022	134		
Flim	-	-	-		
ERlim	-	-	-		

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	SSB-MT	2022	883	-	-	
TN	-	-	-	-	-	
R	R-E00	2022	63,903,800	-	-	
F	F-1/yr	2022	0.42	-	1 to 3	
ER	-	-	-	-	-	
TC	TC-MT	2022	467			
TL	TL-MT	2021	432			
TB/TBmsy	-	-	-			
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2022	1.139			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2022	1.139			
F/Fmgt	F-1/yr/Fmgt-1/yr	2022	0.913			
ER/ERmgt	-	-	-			

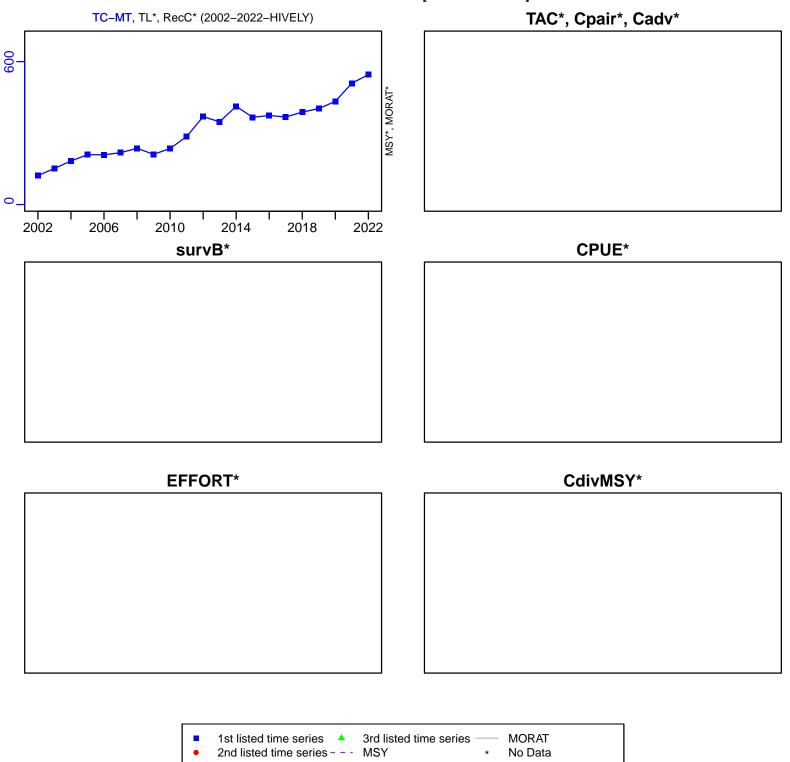
#### Red mullet Gulf of Lions [RMULLMEDGSA7]



#### Red mullet Gulf of Lions [RMULLMEDGSA7]



### Red mullet Gulf of Lions [RMULLMEDGSA7]

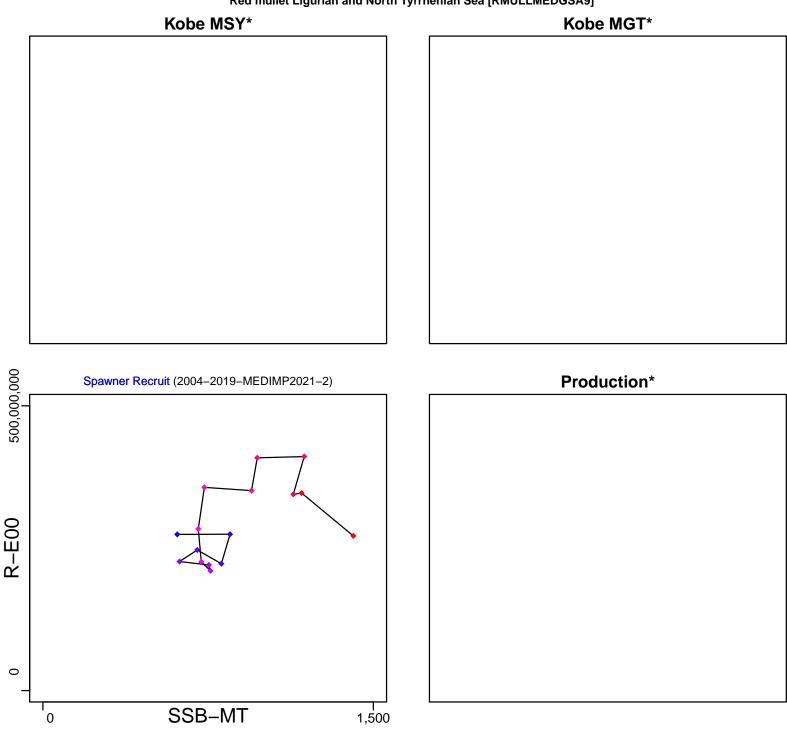


# Red mullet Ligurian and North Tyrrhenian Sea [RMULLMEDGSA9]

Metadata			
Scientific Name	Mullus barbatus		
Current Assess ID	STECF-RMULLMEDGSA9-2004-2019-MEDIMP2021-2		
Area Ligurian and North Tyrrhenian Sea			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2019, 2013		

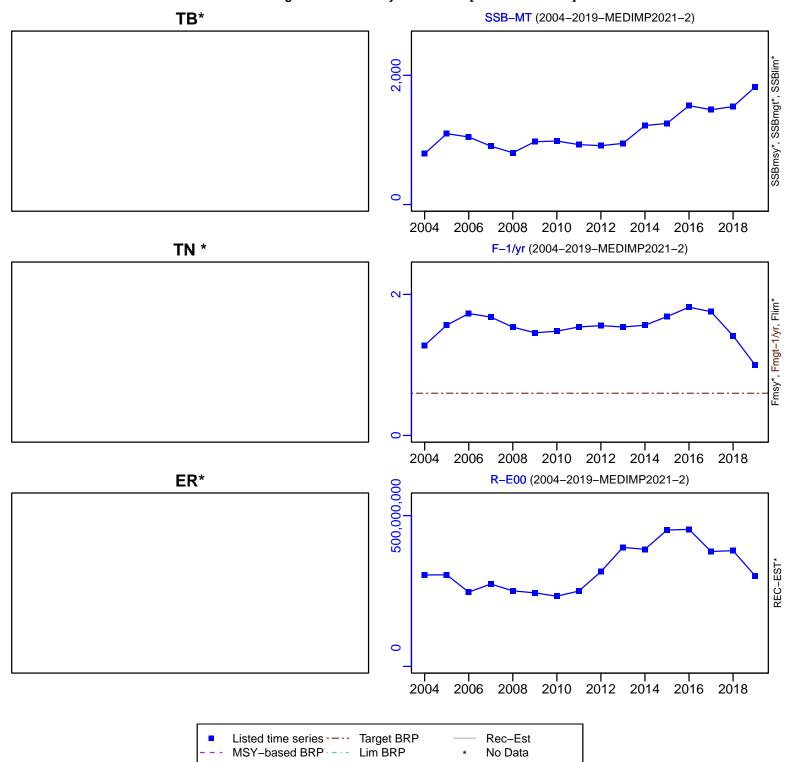
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	_	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2019	0.506	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M		-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	SSB-MT	2019	1409	-	-	
TN	-	-	-	-	-	
R	R-E00	2019	271,663,084	-	-	
F	F-1/yr	2019	0.846	-	-	
ER	-	-	-	-	-	
TC	TC-MT	2019	1011			
TL	-	-	-			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	•	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	1.67			
ER/ERmgt	-	-	-			

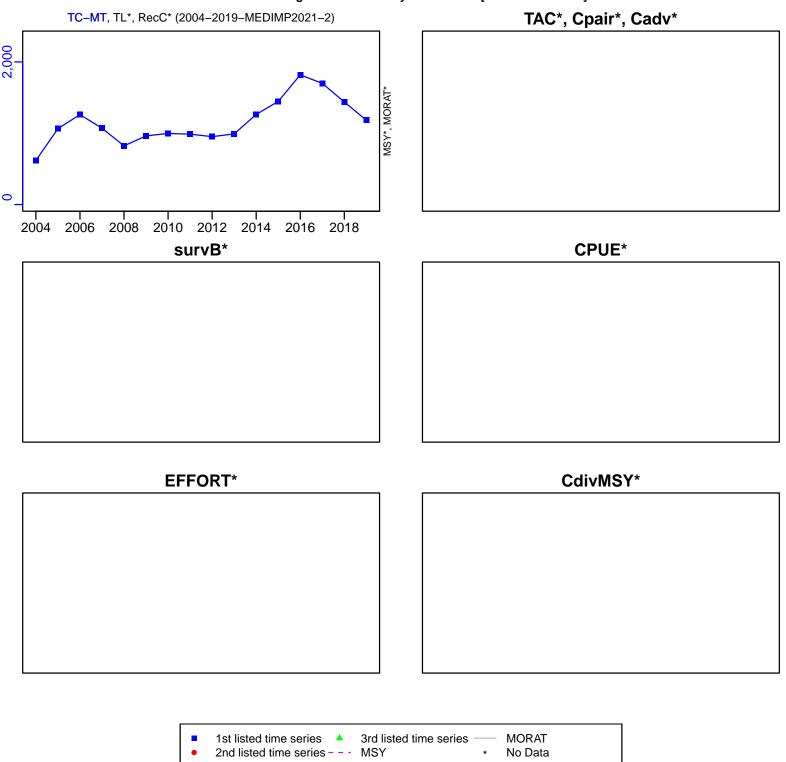


Start Year • End Year \* No Data

#### Red mullet Ligurian and North Tyrrhenian Sea [RMULLMEDGSA9]



### Red mullet Ligurian and North Tyrrhenian Sea [RMULLMEDGSA9]

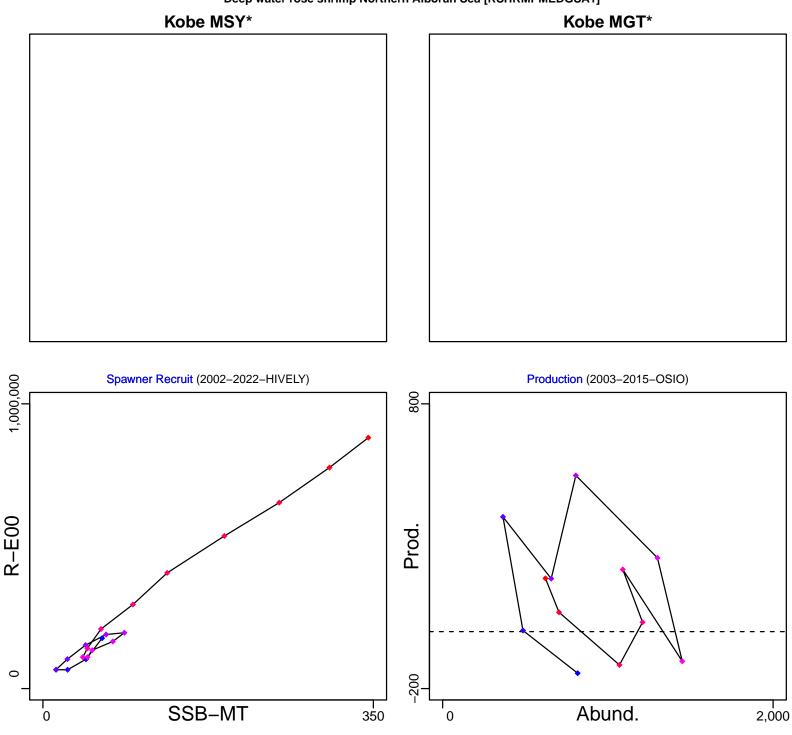


# Deep water rose shrimp Northern Alboran Sea [RSHRMPMEDGSA1]

Metadata			
Scientific Name	Parapenaeus longirostris		
Current Assess ID WGSAD-RSHRMPMEDGSA1-2002-2022-HIVELY			
Area Northern Alboran Sea			
Management Authority General Fisheries Council for the Mediterranean, DG MARE, and national state			
Assessor	Working Group on Stock Assessment of Demersal Species		
Asmts in RAM	2012, 2015, 2022		

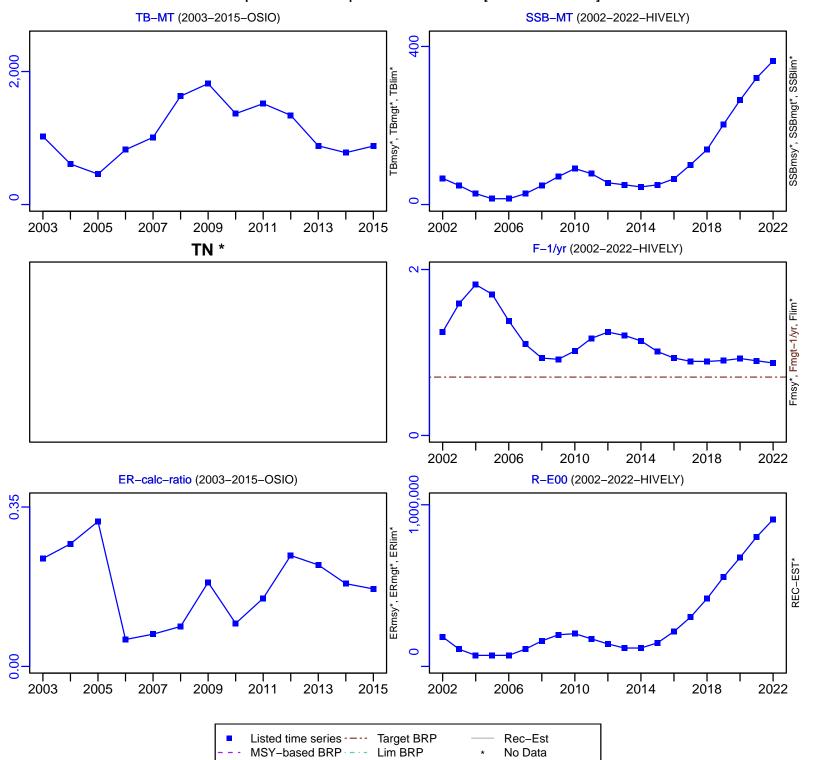
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2022	0.7	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	701	-	-
SSB	SSB-MT	2022	345	-	-
TN	-	-	-	-	-
R	R-E00	2022	881,104	-	-
F	F-1/yr	2022	0.869	-	0 to 2
ER	ER-calc-ratio	2015	0.163	-	-
TC	TC-MT	2022	686		
TL	TL-MT	2015	114		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2022	1.242		
ER/ERmgt	-	-	-		

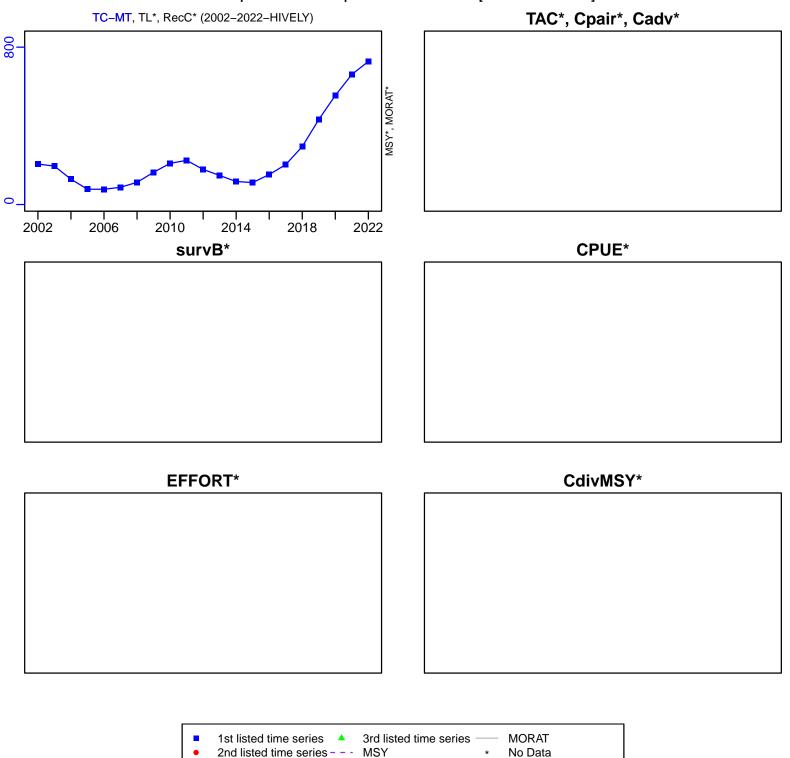


Start Year → End Year → No Data

#### Deep water rose shrimp Northern Alboran Sea [RSHRMPMEDGSA1]



### Deep water rose shrimp Northern Alboran Sea [RSHRMPMEDGSA1]

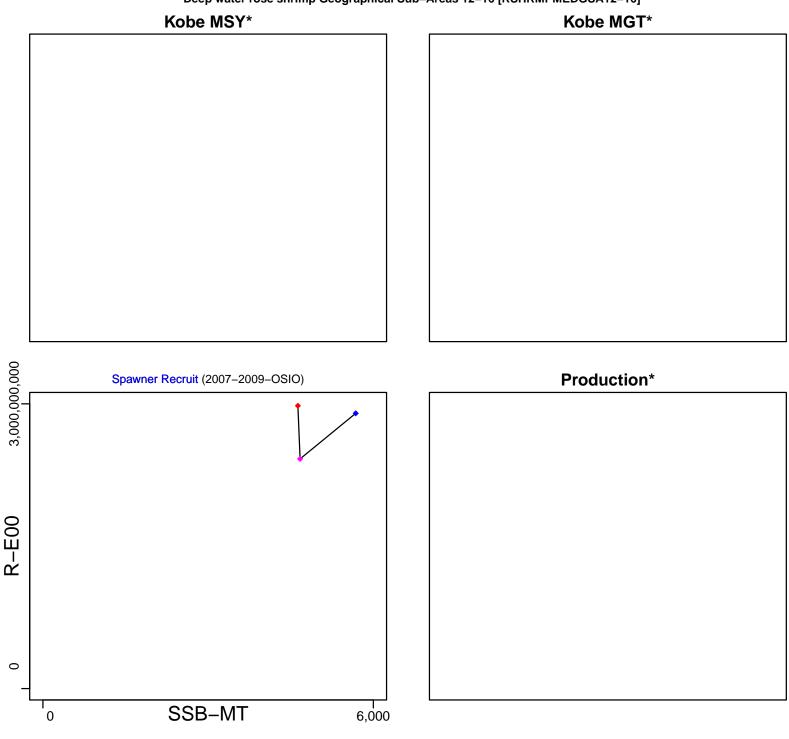


# Deep water rose shrimp Geographical Sub-Areas 12-16 [RSHRMPMEDGSA12-16]

Metadata			
Scientific Name	Parapenaeus longirostris		
Current Assess ID STECF-RSHRMPMEDGSA12-16-2007-2009-OSIO			
Area Geographical Sub-Areas 12-16			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2011, 2009		

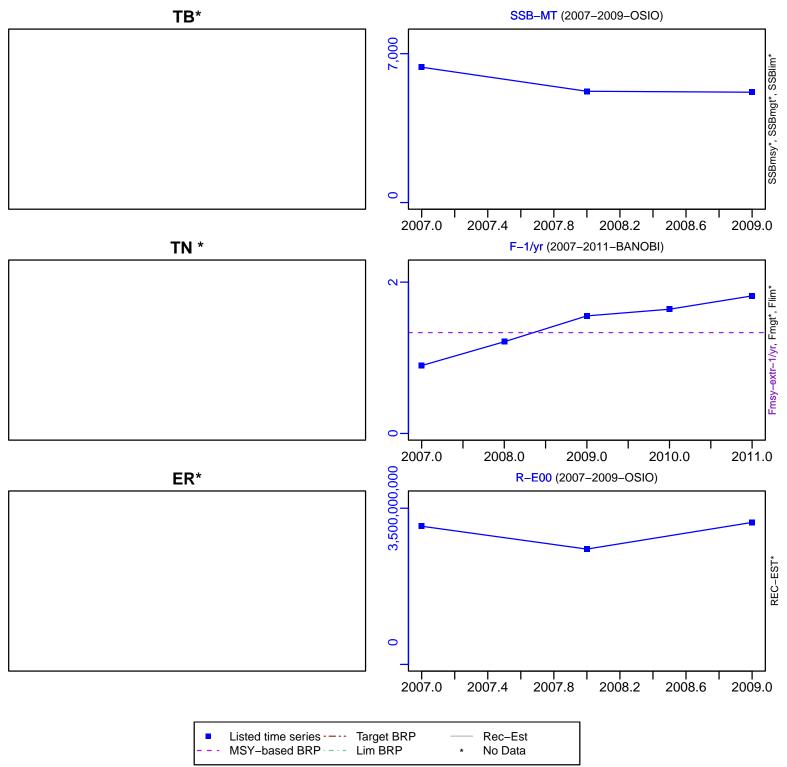
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-extr-1/yr	2011	1.21	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2009	0.9	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	M-1/yr	2011	1.05	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

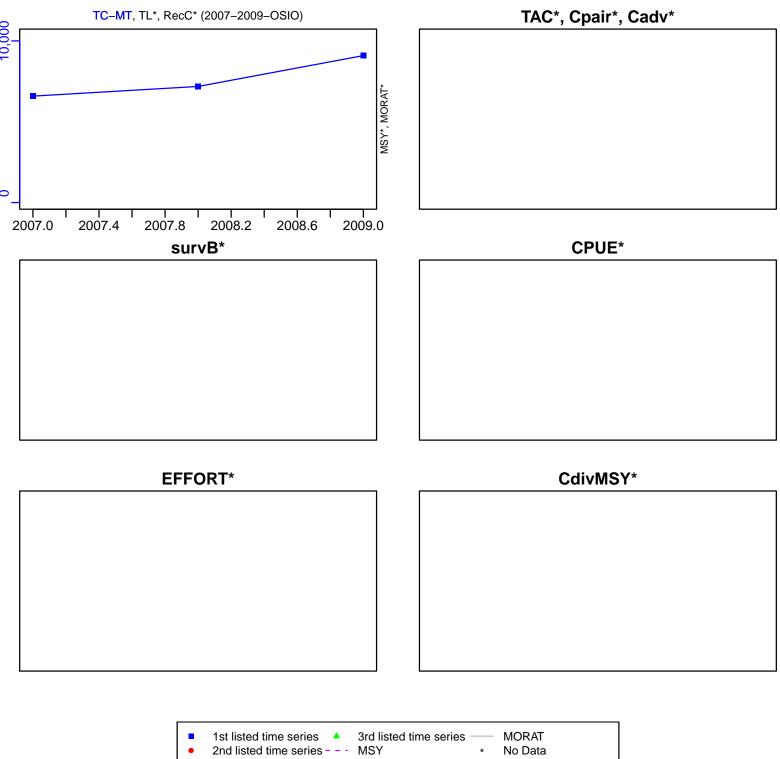
	Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	SSB-MT	2009	4630	Both	-	
TN	-	-	-	-	-	
R	R-E00	2009	$2.98 \times 10^{9}$	-	-	
F	F-1/yr	2011	1.65	-	-	
ER	-	-	-	-	-	
TC	TC-MT	2009	8810			
TL	-	-	-			
TB/TBmsy	1	-	-			
SSB/SSBmsy	1	-	-			
F/Fmsy	FdivFmsy-dimensionless	2011	1.4			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	F-1/yr/Fmgt-1/yr	2009	1.533			
ER/ERmgt	-	-	-			



Start Year • End Year \* No Data

0



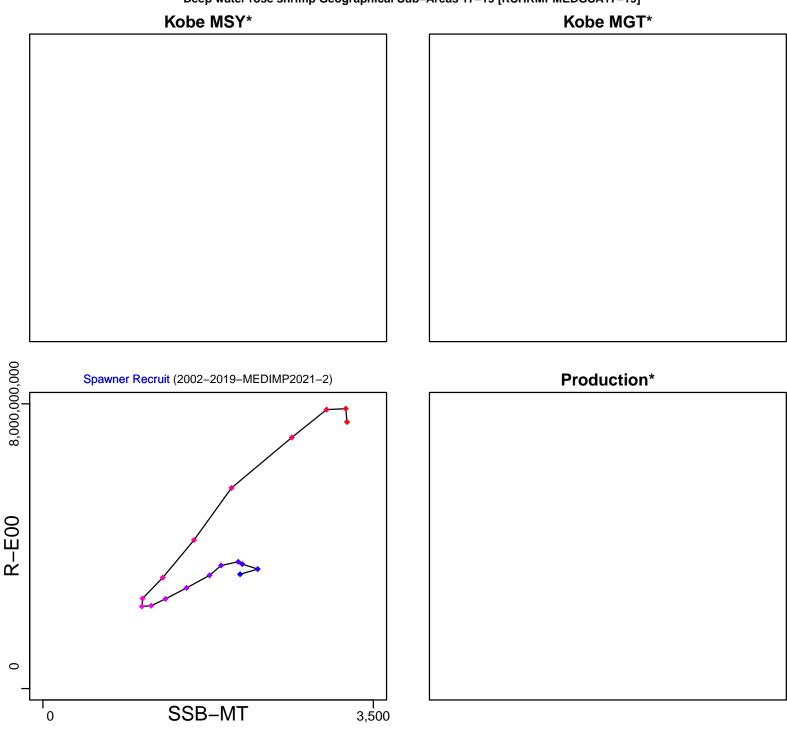


# Deep water rose shrimp Geographical Sub-Areas 17-19 [RSHRMPMEDGSA17-19]

Metadata			
Scientific Name	Parapenaeus longirostris		
Current Assess ID STECF-RSHRMPMEDGSA17-19-2002-2019-MEDIMP2021-2			
Area Geographical Sub-Areas 17-19			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2019, 2014		

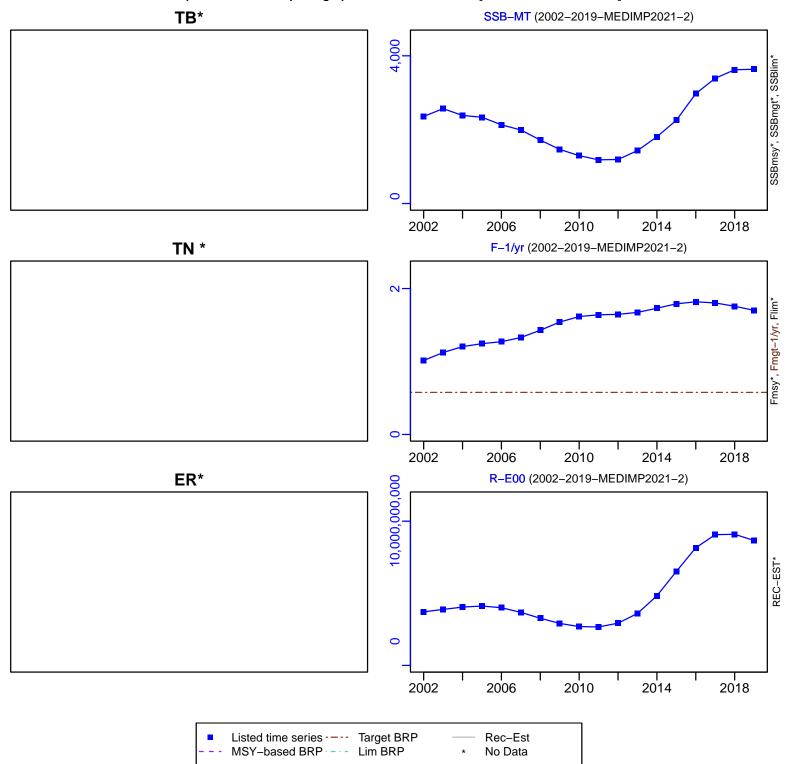
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2019	0.505	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-		

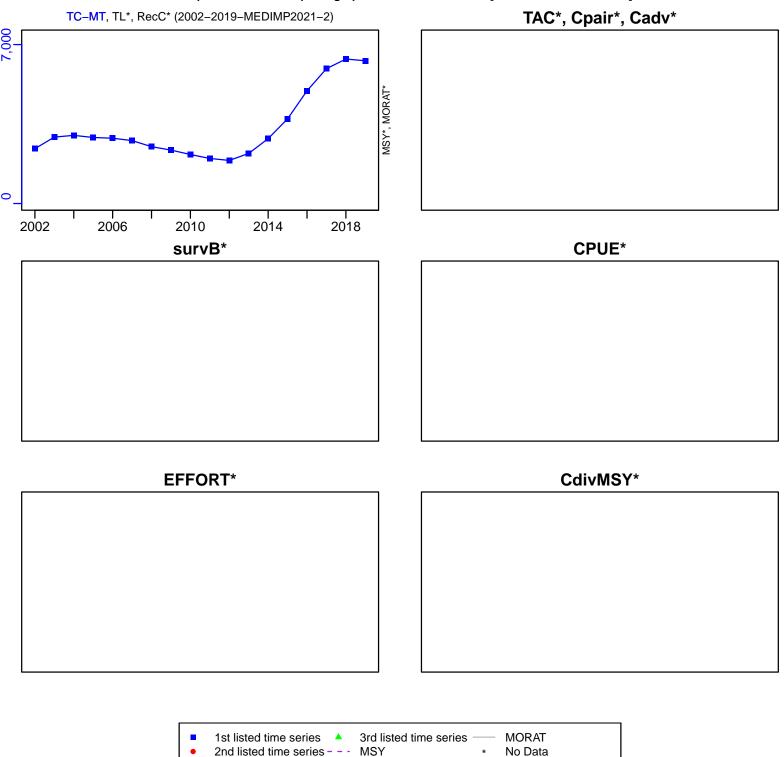
	Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	SSB-MT	2019	3221	-	-	
TN	-	-	-	-	-	
R	R-E00	2019	7,490,295,088	-	-	
F	F-1/yr	2019	1.488	-	-	
ER	-	-	-	-	-	
TC	TC-MT	2019	5993			
TL	-	-	-			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	2.949			
ER/ERmgt	-	-	-			



Start Year • End Year \* No Data

#### Deep water rose shrimp Geographical Sub-Areas 17-19 [RSHRMPMEDGSA17-19]





# Deep water rose shrimp Aegean Sea and Crete Island (GSA 22,23) [RSHRMPMEDGSA22-23]

Metadata			
Scientific Name	Parapenaeus longirostris		
Current Assess ID	STECF-RSHRMPMEDGSA22-23-1990-2006-MEDIMP2021-2		
Area Aegean Sea and Crete Island (GSA 22,23)			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2006		

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

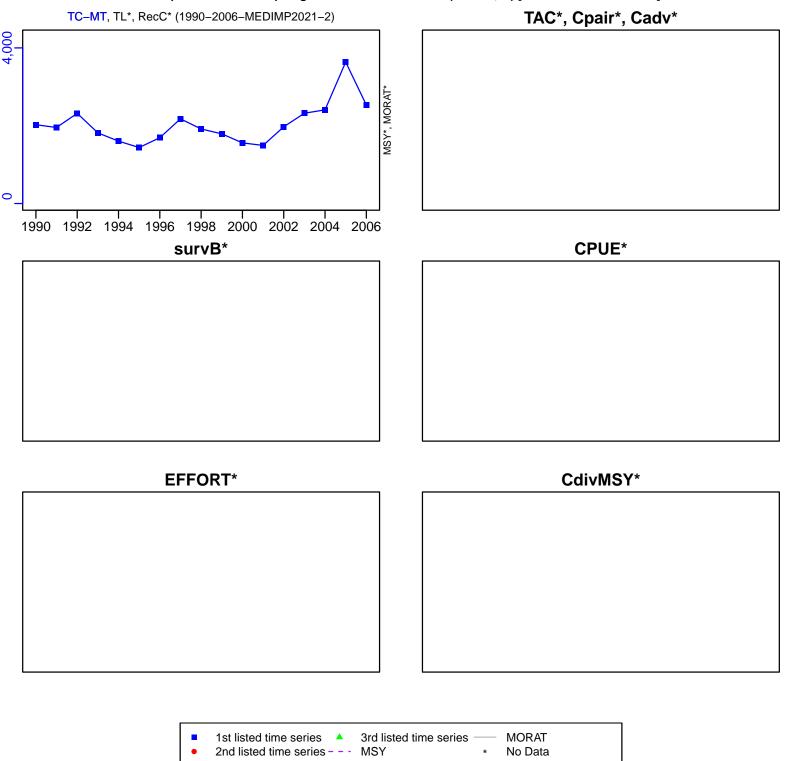
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	•
ER	-	-	-	-	-
TC	TC-MT	2006	2363		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Deep water rose shrimp Aegean Sea and Crete Island (GSA 22,23) [RSHRMPMEDGSA22-23] **Kobe MSY\* Kobe MGT\*** Spawner Recruit\* **Production\*** 

Deep water rose shrimp Aegean Sea and Crete Island (GSA 22,23) [RSHRMPMEDGSA22-23] TB\* SSB\* **TN** \* F\* ER\* Recruits\*

Rec-Est No Data

Listed time series ---- Target BRP MSY-based BRP --- Lim BRP

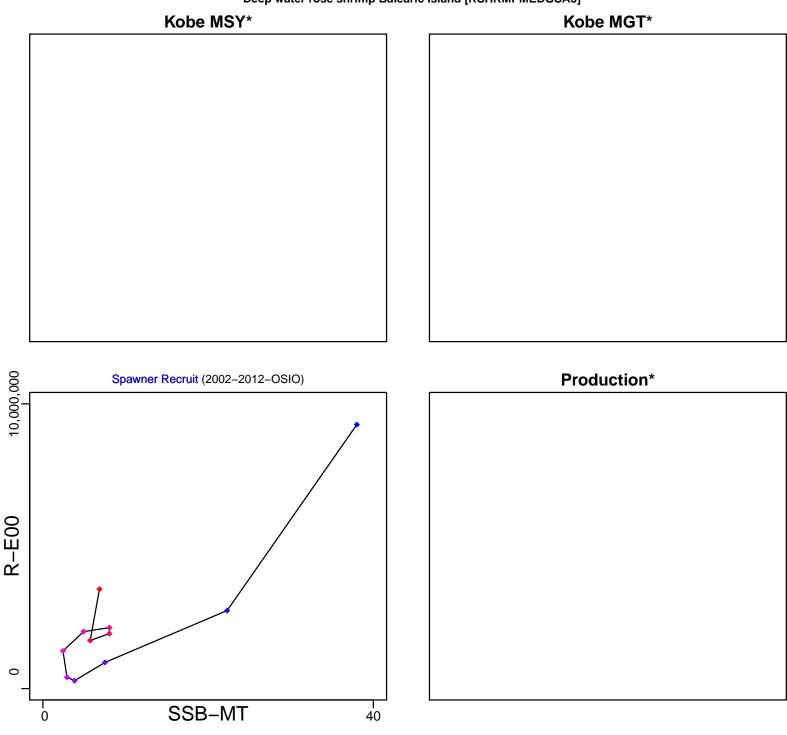


# Deep water rose shrimp Balearic Island [RSHRMPMEDGSA5]

Metadata				
Scientific Name	Parapenaeus longirostris			
Current Assess ID STECF-RSHRMPMEDGSA5-2002-2012-OSIO				
Area Balearic Island				
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states			
Assessor	Scientific, Technical and Economic Committee for Fisheries			
Asmts in RAM	2012			

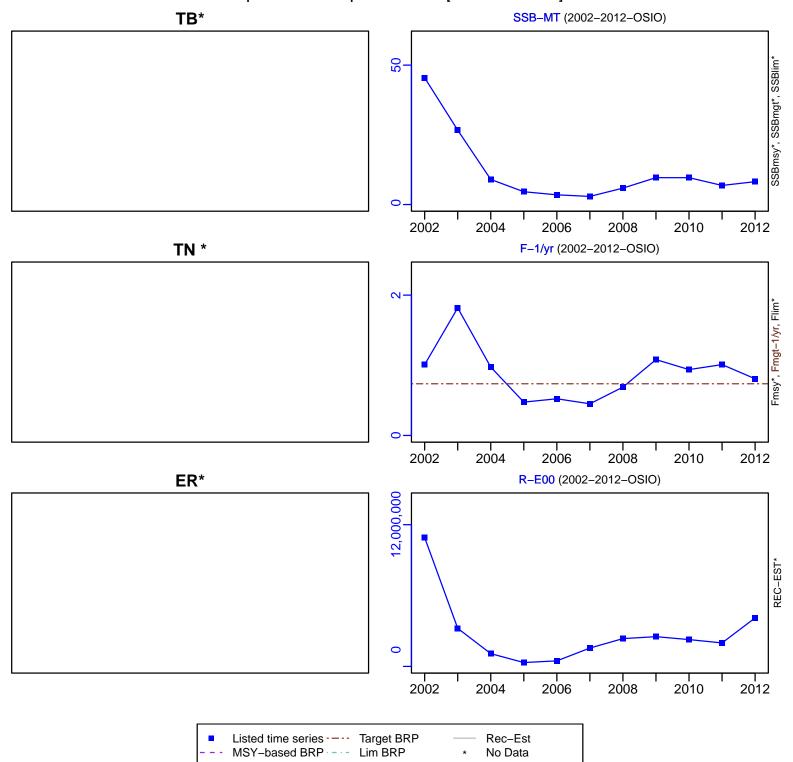
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2012	0.62		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2012	7	-	1+
TN	-	-	-	-	-
R	R-E00	2012	3,490,000	-	-
F	F-1/yr	2012	0.68	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	4.17		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	1.097		
ER/ERmgt	-	-	-		

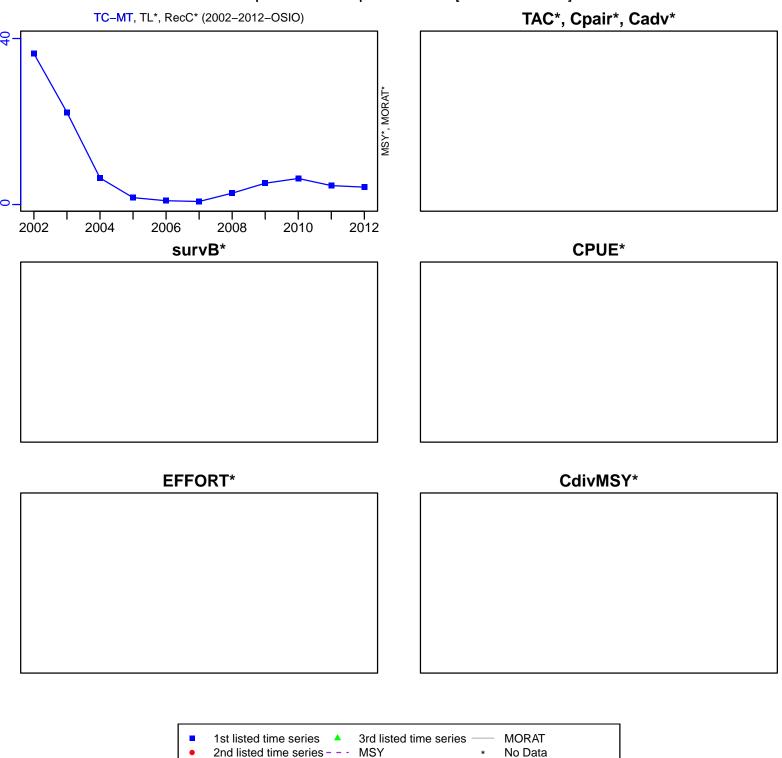


Start Year → End Year → No Data

#### Deep water rose shrimp Balearic Island [RSHRMPMEDGSA5]



### Deep water rose shrimp Balearic Island [RSHRMPMEDGSA5]

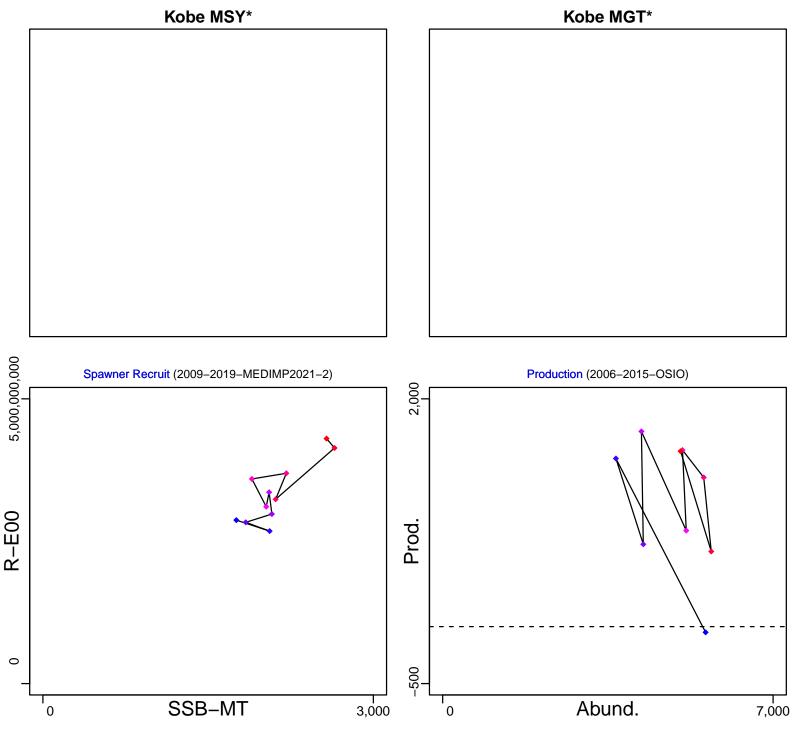


# Deep water rose shrimp Geographical Sub-Areas 9-11 [RSHRMPMEDGSA9-11]

Metadata			
Scientific Name	Parapenaeus longirostris		
Current Assess ID	STECF-RSHRMPMEDGSA9-11-2009-2019-MEDIMP2021-2		
Area Geographical Sub-Areas 9-11			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2015, 2019		

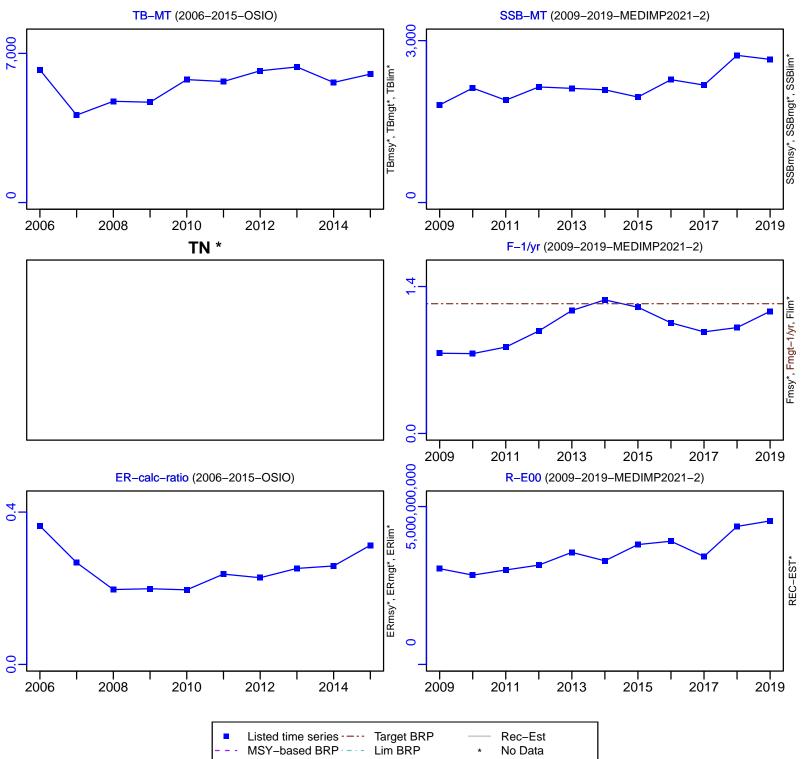
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2019	1.09		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	5390	-	-
SSB	SSB-MT	2019	2575	-	-
TN	-	-	-	-	-
R	R-E00	2019	4,302,305,361	-	-
F	F-1/yr	2019	1.025	-	-
ER	ER-calc-ratio	2015	0.286	-	-
TC	TC-MT	2019	1606		
TL	TL-MT	2015	1540		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	0.941		
ER/ERmgt	-	-	-		

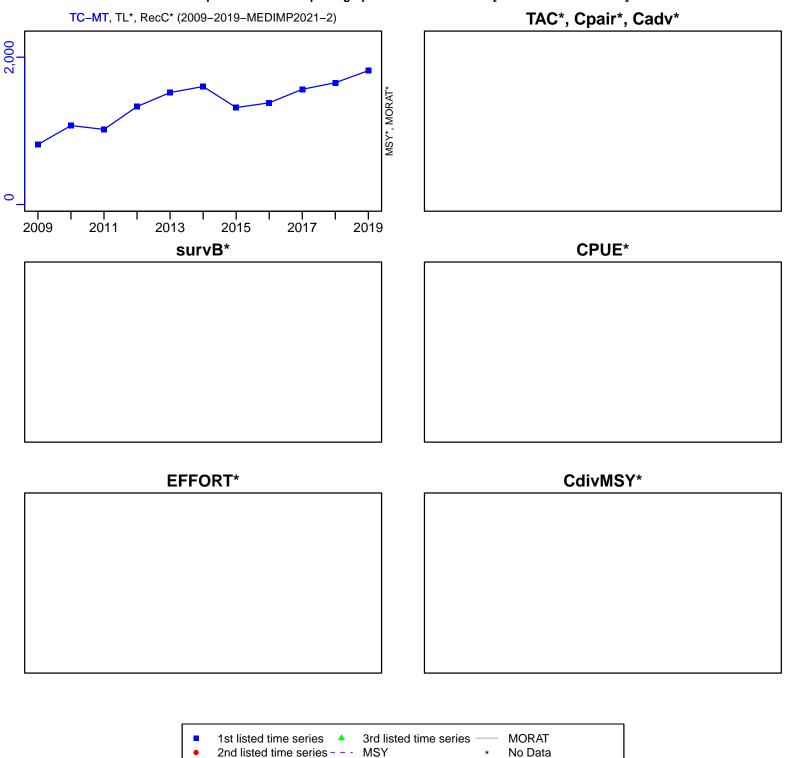


Start Year • End Year \* No Data

#### Deep water rose shrimp Geographical Sub-Areas 9-11 [RSHRMPMEDGSA9-11]



### Deep water rose shrimp Geographical Sub-Areas 9-11 [RSHRMPMEDGSA9-11]



Metadata			
Scientific Name	Sardina pilchardus		
Current Assess ID	STECF-SARDMEDGSA1-2002-2012-OSIO		
Area Northern Alboran Sea			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor Scientific, Technical and Economic Committee for Fisheries			
Asmts in RAM	2012		

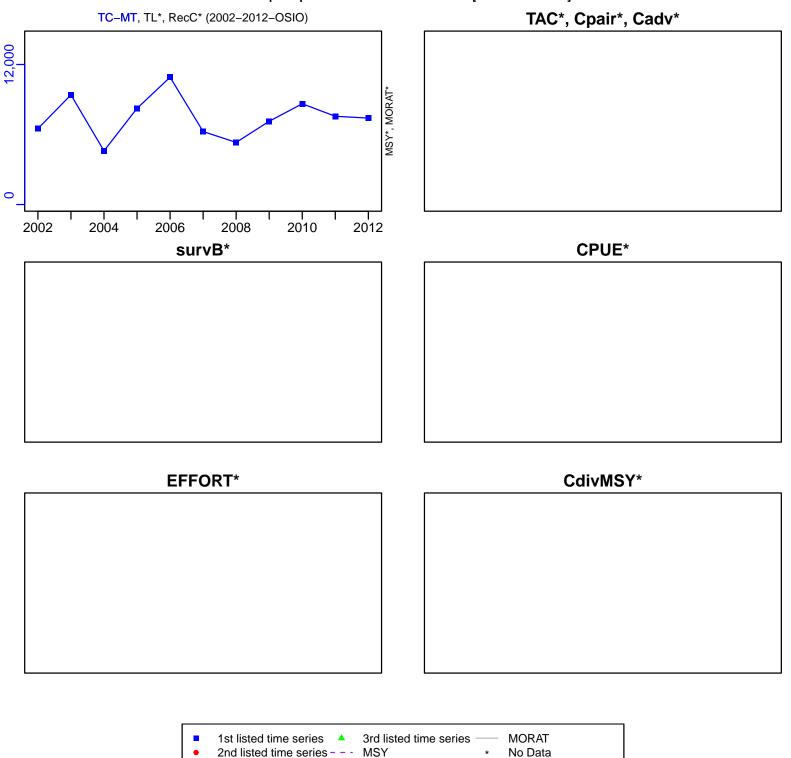
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-		-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	6220		
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 *	<b>F</b> *
ER*	Recruits*
EK	Recruits
Listed time series Ta	arget BRP — Rec-Est
MSY-based BRP Li	m BRP * No Data



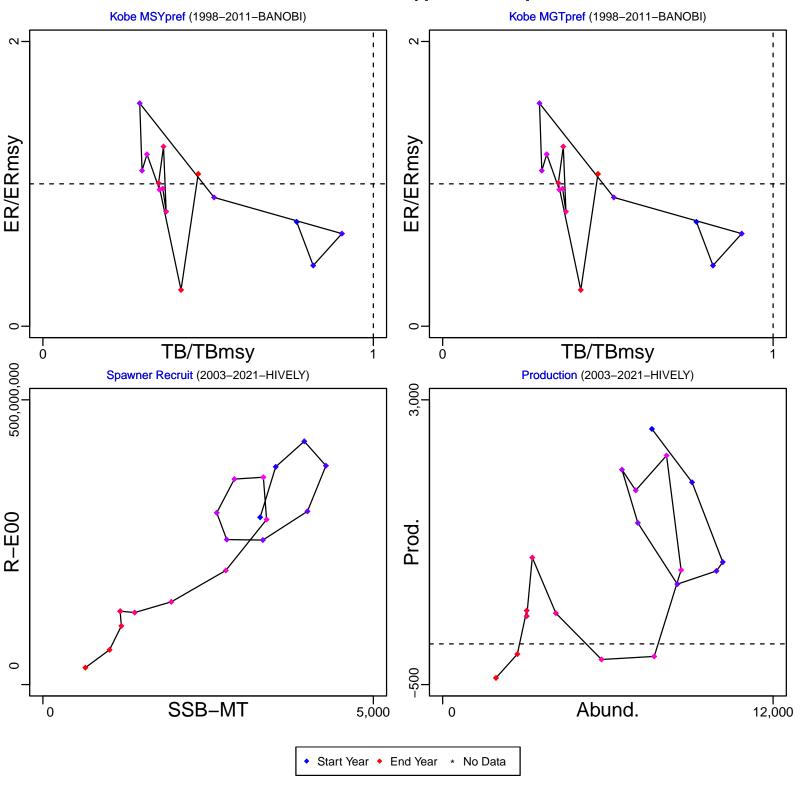
# Sardine South of Sicily [SARDMEDGSA16]

Metadata			
Scientific Name	Sardina pilchardus		
Current Assess ID	WGSASP-SARDMEDGSA16-2003-2021-HIVELY		
Area	South of Sicily		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Working Group on Stock Assessment of Small Pelagic species		
Asmts in RAM	2011, 2021		

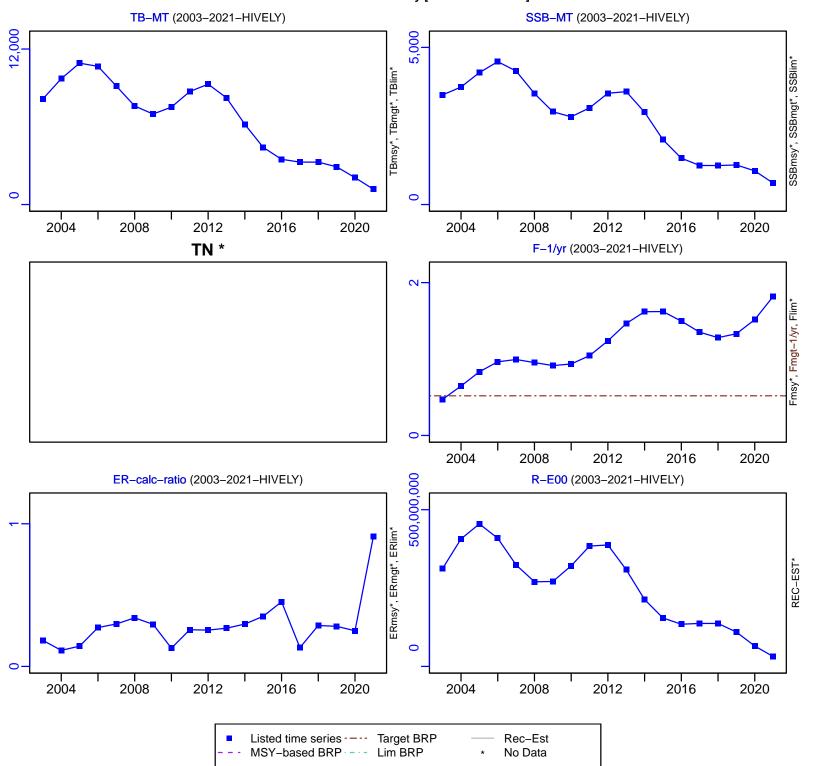
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-MT	2011	32,527		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2011	0.16		
ERmsy	ERmsy-calc-ratio	2011	0.163		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2021	0.476		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	MSY-MT	2011	5307		
M	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	TB-MT	2021	1103	-	-	
SSB	SSB-MT	2021	643	-	-	
TN	-	-	-	-	-	
R	R-E00	2021	29,746,000	-	-	
F	F-1/yr	2021	1.666	-	-	
ER	ER-calc-ratio	2021	0.777	-	-	
TC	TC-MT	2011	2670			
TL	TL-MT	2021	858			
TB/TBmsy	TBdivTBmsy-dimensionless	2011	0.47			
SSB/SSBmsy	-	-	-			
F/Fmsy	FdivFmsy-dimensionless	2011	1.07			
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2011	1.07			
TB/TBmgt		-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	3.502			
ER/ERmgt	-	-	-			

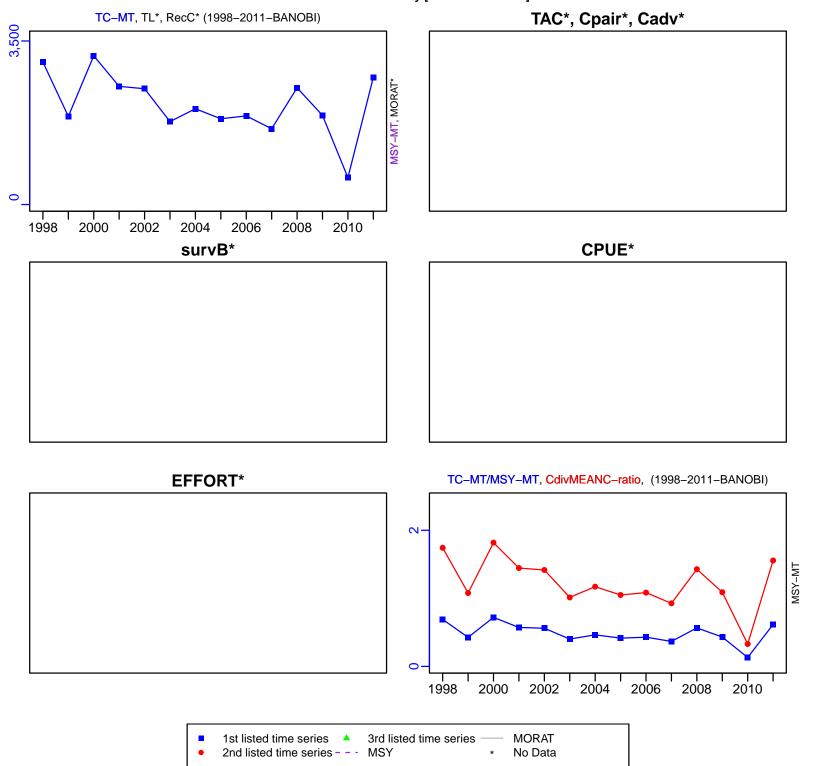
### Sardine South of Sicily [SARDMEDGSA16]



# Sardine South of Sicily [SARDMEDGSA16]



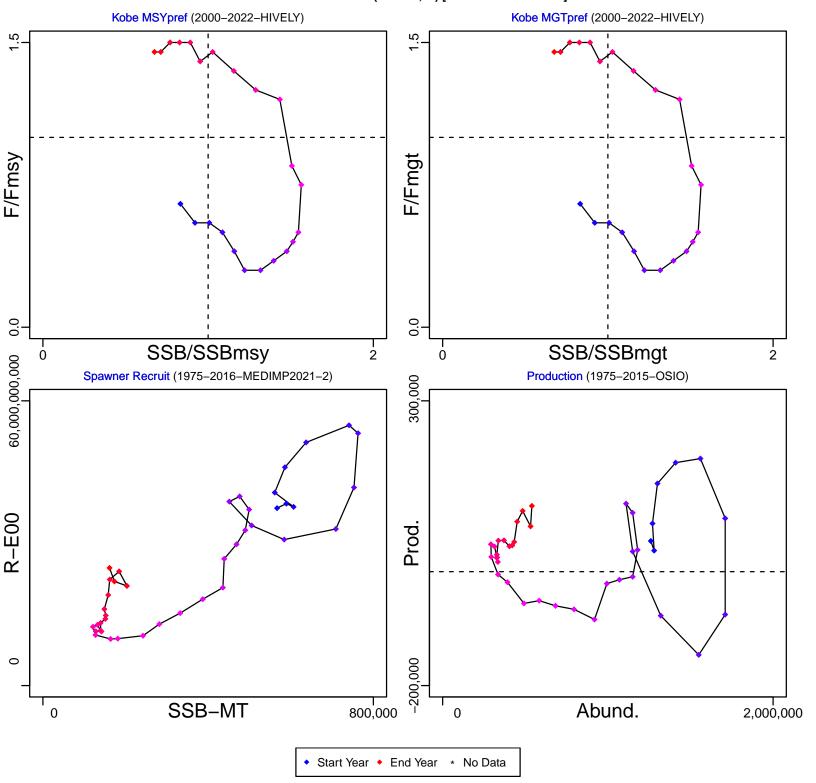
### Sardine South of Sicily [SARDMEDGSA16]

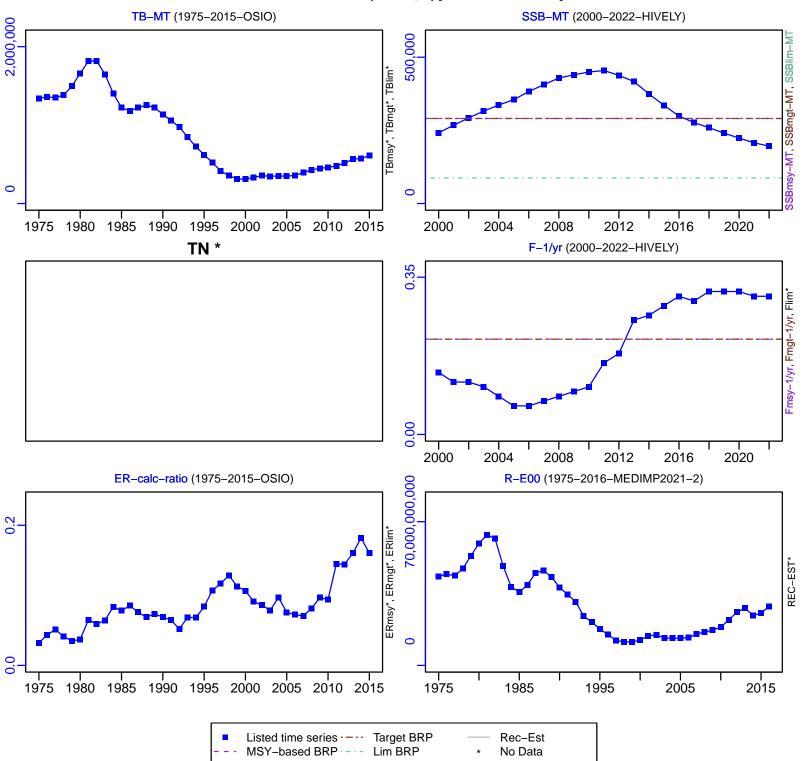


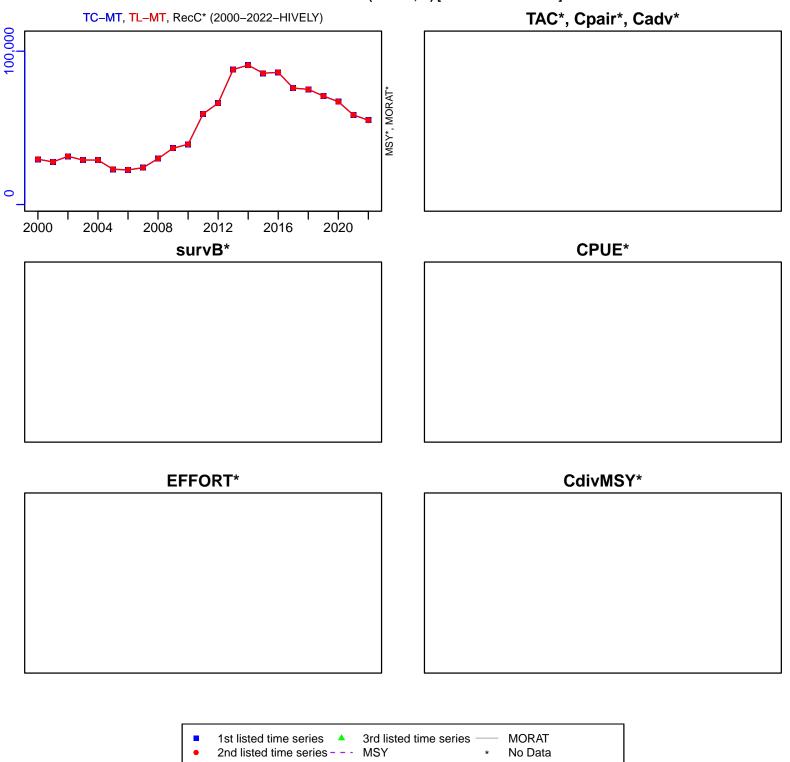
Metadata			
Scientific Name	Sardina pilchardus		
Current Assess ID WGSASP-SARDMEDGSA17-18-2000-2022-HIVELY			
Area Adriatic Sea (GSA 17,18)			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Working Group on Stock Assessment of Small Pelagic species		
Asmts in RAM	2013, 2015, 2016, 2022		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2022	254,971	
Fmsy	Fmsy-1/yr	2022	0.2	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2022	254,971	
Fmgt	Fmgt-1/yr	2022	0.2	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2022	76,491	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	573,000	-	-
SSB	SSB-MT	2022	172,167	-	-
TN	-	-	-	-	-
R	R-E00	2016	24,791,217,000	-	-
F	F-1/yr	2022	0.29	-	-
ER	ER-calc-ratio	2015	0.135	-	-
TC	TC-MT	2022	50,537		
TL	TL-MT	2022	50,537	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2022	0.675		
F/Fmsy	F-1/yr/Fmsy-1/yr	2022	1.45		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2022	0.675		
F/Fmgt	F-1/yr/Fmgt-1/yr	2022	1.45		
ER/ERmgt	-	-	-		





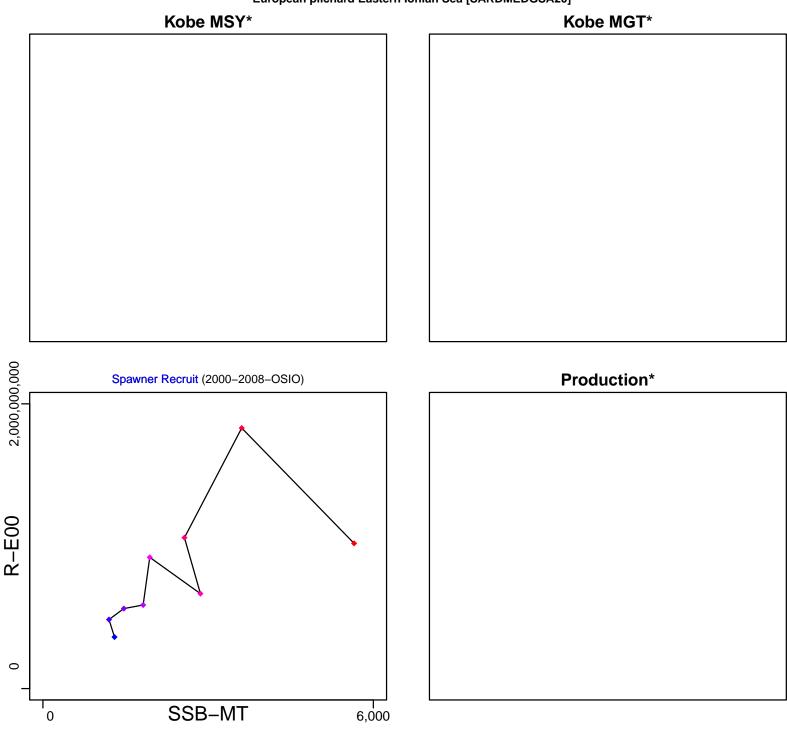


# European pilchard Eastern Ionian Sea [SARDMEDGSA20]

Metadata			
Scientific Name	Sardina pilchardus		
Current Assess ID	STECF-SARDMEDGSA20-2000-2008-OSIO		
Area Eastern Ionian Sea			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2008		

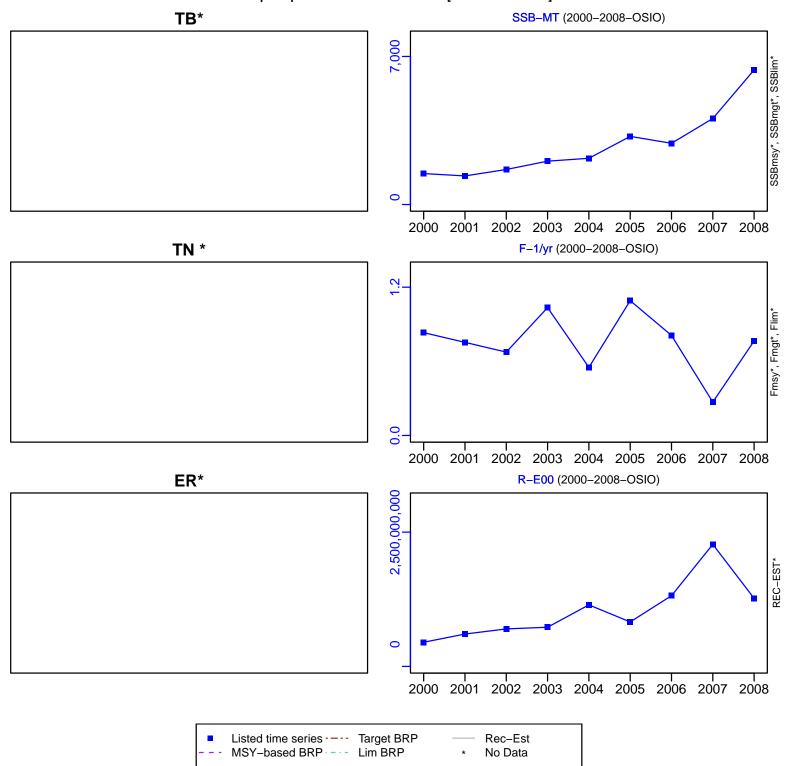
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age	
TB	-	-	-	-	-	
SSB	SSB-MT	2008	5650	-	1 to 3	
TN	-	-	-	-	-	
R	R-E00	2008	$1.02 \times 10^{9}$	-	-	
F	F-1/yr	2008	0.68	-	-	
ER	-	-	-	-	-	
TC	TC-MT	2008	2940			
TL	-	-	-			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	-	-	-			
ER/ERmgt	-	-	-			

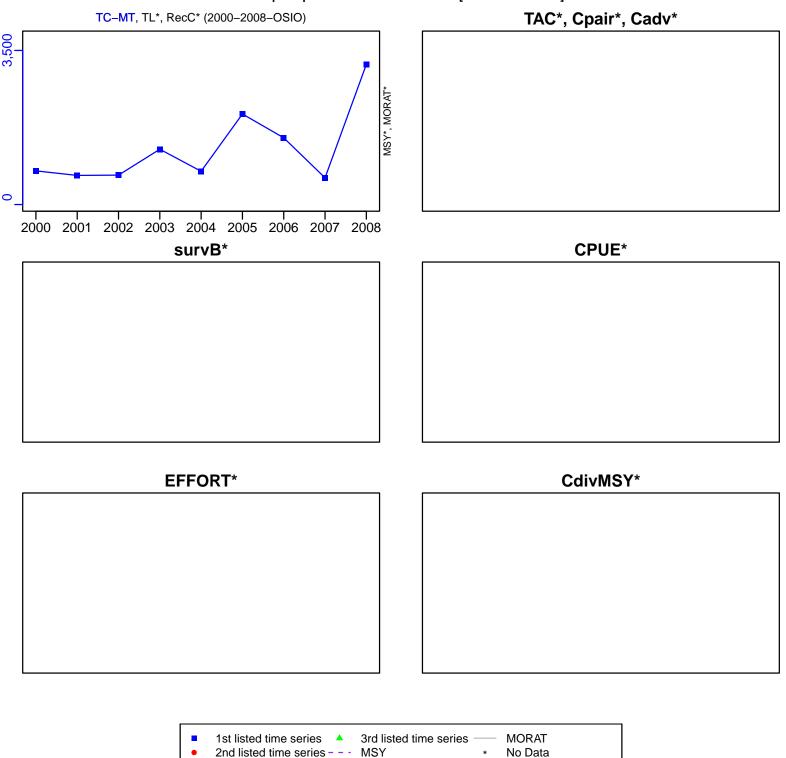


Start Year • End Year \* No Data

#### European pilchard Eastern Ionian Sea [SARDMEDGSA20]



# European pilchard Eastern Ionian Sea [SARDMEDGSA20]

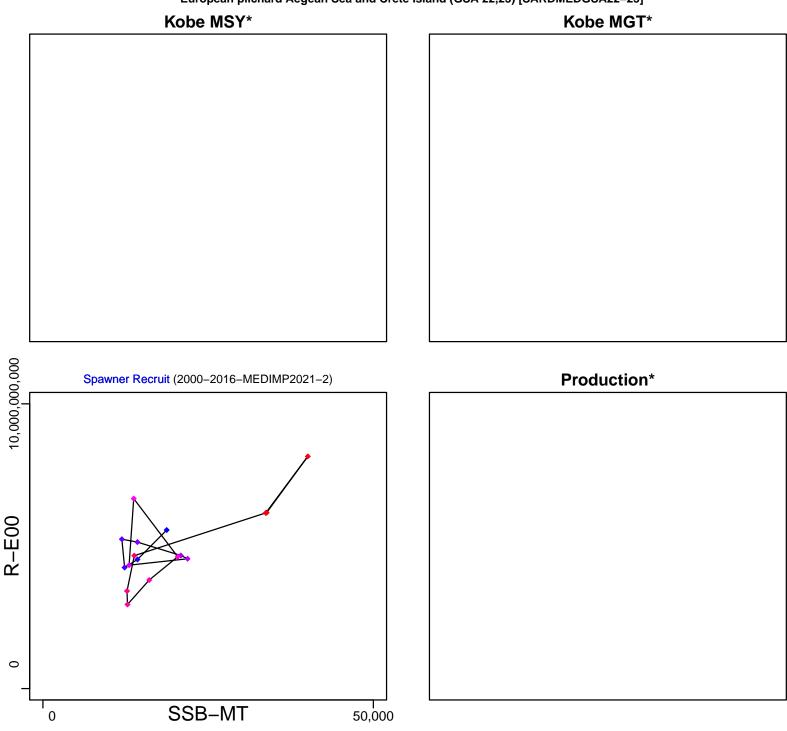


# European pilchard Aegean Sea and Crete Island (GSA 22,23) [SARDMEDGSA22-23]

Metadata			
Scientific Name	Sardina pilchardus		
Current Assess ID	STECF-SARDMEDGSA22-23-2000-2016-MEDIMP2021-2		
Area Aegean Sea and Crete Island (GSA 22,23)			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2016		

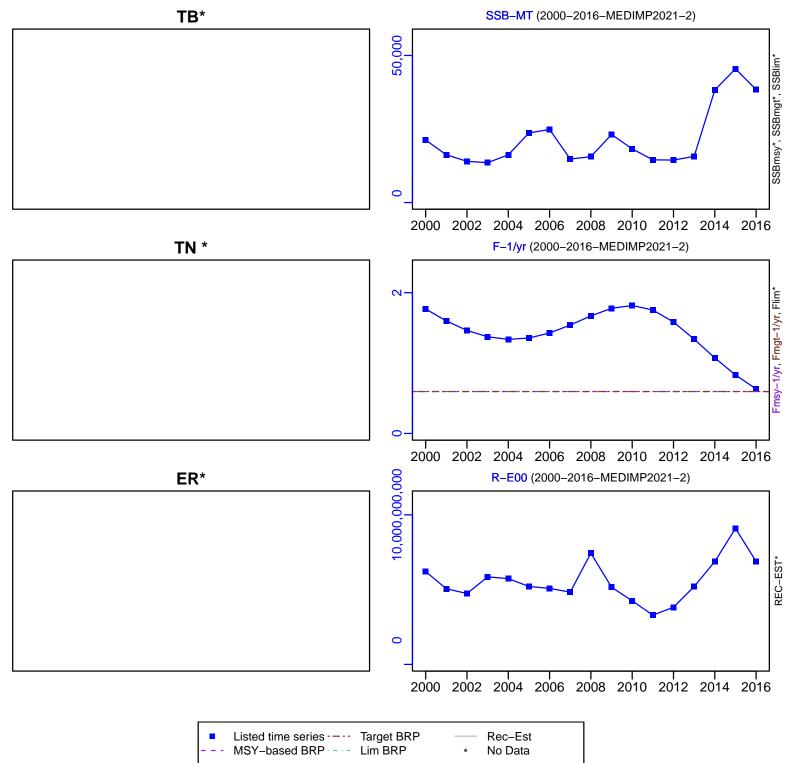
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.503	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2016	0.503	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	SSB-MT	2016	33,851	-	-	
TN	-	-	-	-	-	
R	R-E00	2016	6,176,295,000	-	-	
F	F-1/yr	2016	0.534	-	-	
ER	-	-	-	-	-	
TC	TC-MT	2016	9655			
TL	-	-	-			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.062			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.062			
ER/ERmgt	-	-	-			

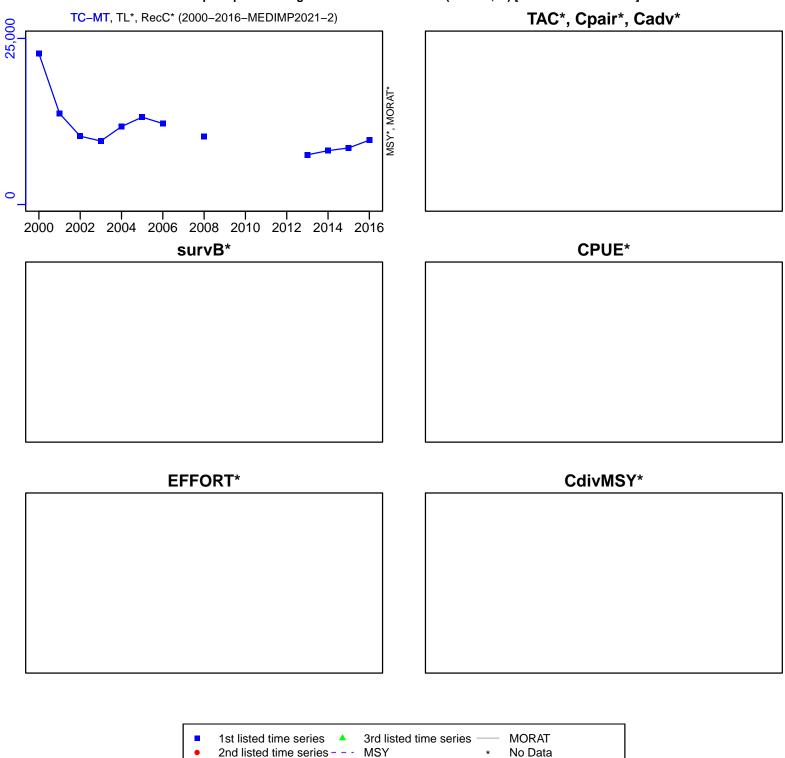


Start Year • End Year \* No Data

#### European pilchard Aegean Sea and Crete Island (GSA 22,23) [SARDMEDGSA22-23]



# European pilchard Aegean Sea and Crete Island (GSA 22,23) [SARDMEDGSA22-23]

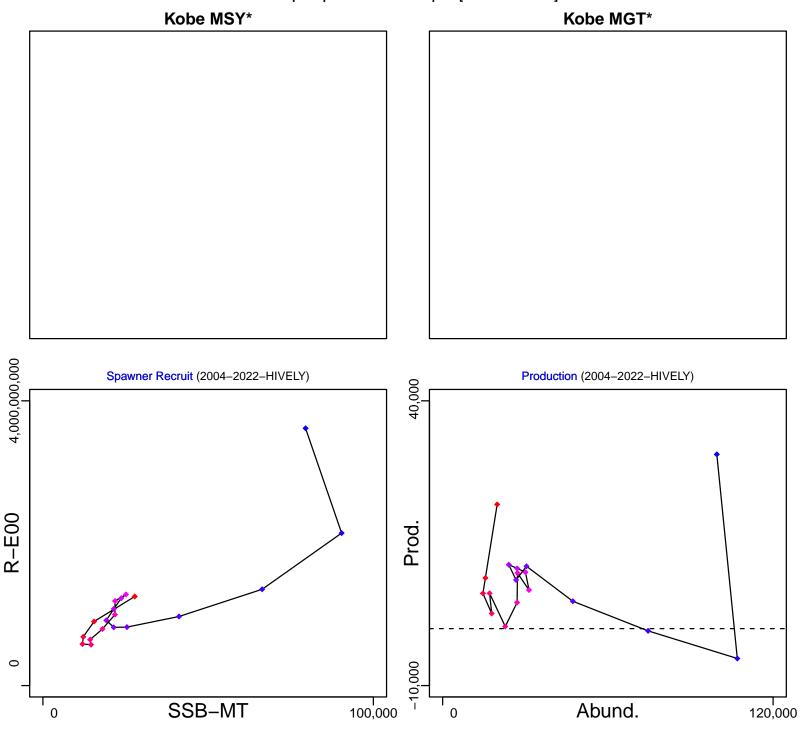


# **European pilchard Northern Spain [SARDMEDGSA6]**

Metadata			
Scientific Name	Sardina pilchardus		
Current Assess ID	WGSASP-SARDMEDGSA6-2004-2022-HIVELY		
Area Northern Spain			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Working Group on Stock Assessment of Small Pelagic species		
Asmts in RAM	2016, 2013, 2015, 2021, 2022		

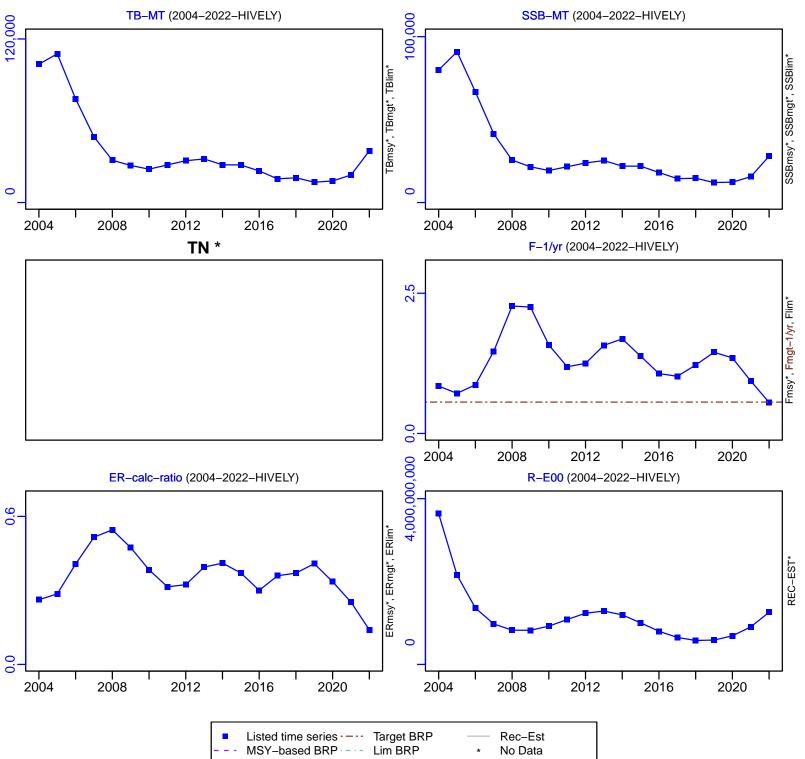
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2015	0.7	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2022	0.47	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2022	37,163	-	-
SSB	SSB-MT	2022	27,800	-	-
TN	-	-	-	-	-
R	R-E00	2022	1,251,817,000	-	-
F	F-1/yr	2022	0.465	-	-
ER	ER-calc-ratio	2022	0.124	-	-
TC	TC-MT	2022	4626		
TL	TL-MT	2022	4626		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	2.529		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2022	0.989		
ER/ERmgt	-	-	-		

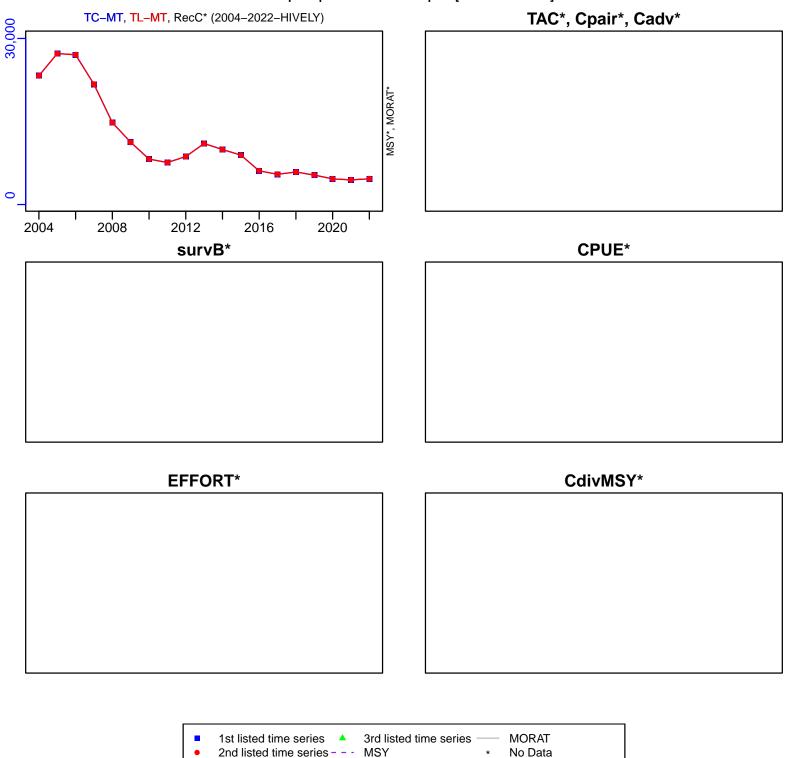


Start Year • End Year \* No Data

#### **European pilchard Northern Spain [SARDMEDGSA6]**



# **European pilchard Northern Spain [SARDMEDGSA6]**



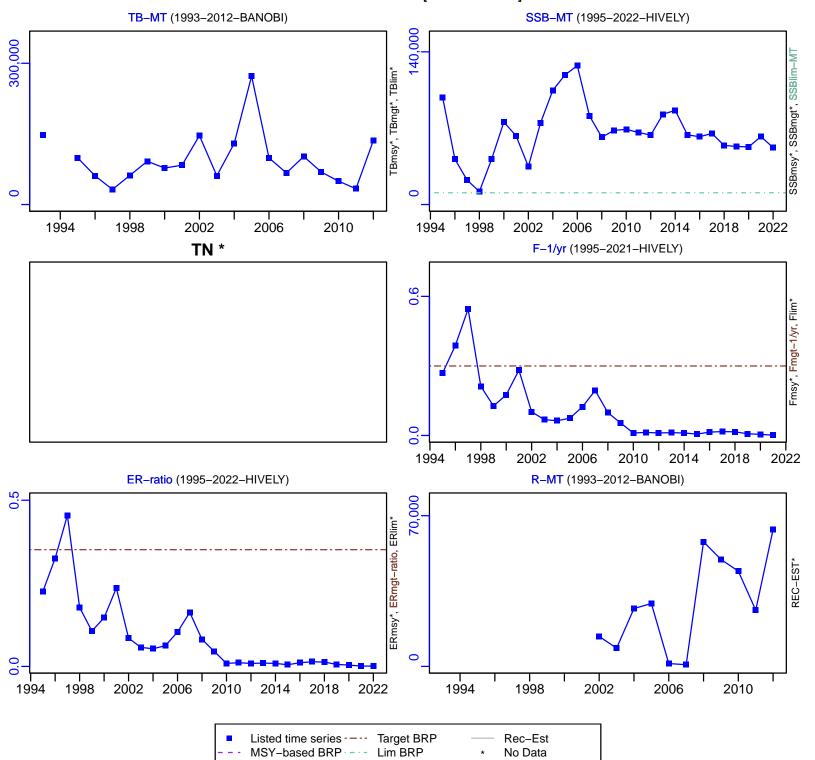
Metadata		
Scientific Name	Sardina pilchardus	
Current Assess ID	WGSASP-SARDMEDGSA7-1995-2022-HIVELY	
Area	Gulf of Lions	
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Working Group on Stock Assessment of Small Pelagic species	
Asmts in RAM	2012, 2021, 2022	

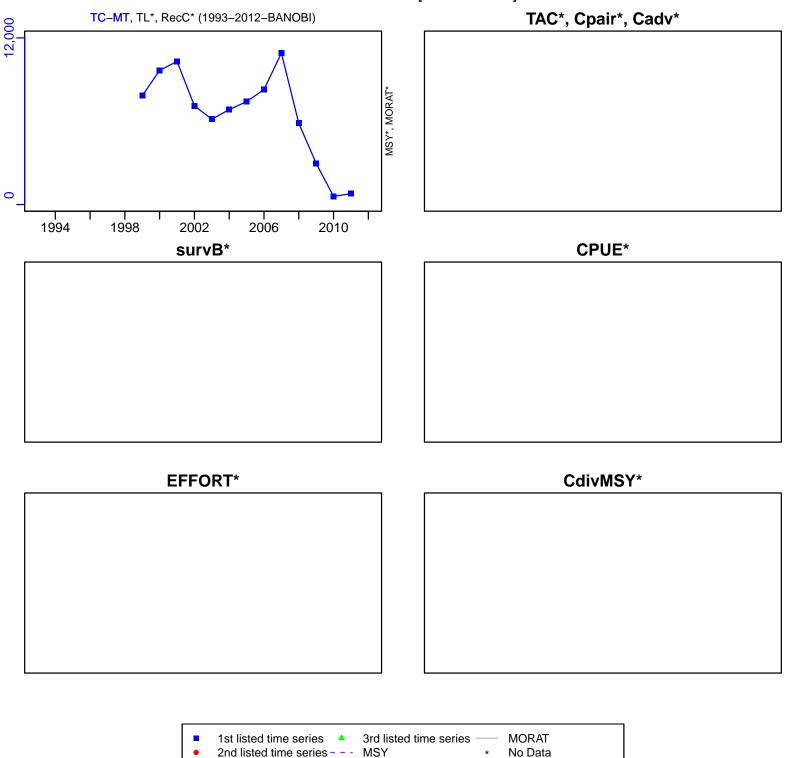
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2021	0.25		
ERmgt	ERmgt-ratio	2022	0.35		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2022	9861		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2012	115,000	-	-
SSB	SSB-MT	2022	47,815	-	-
TN	-	-	-	-	-
R	R-MT	2012	57,500	-	-
F	F-1/yr	2021	0.001	-	-
ER	ER-ratio	2022	0.001	-	-
TC	TC-MT	2012	782		
TL	TL-MT	2022	27		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	0.004		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data





Metadata		
Scientific Name	Sardina pilchardus	
Current Assess ID	STECF-SARDMEDGSA9-2006-2012-OSIO	
Area	Ligurian and North Tyrrhenian Sea	
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Scientific, Technical and Economic Committee for Fisheries	
Asmts in RAM	2012	

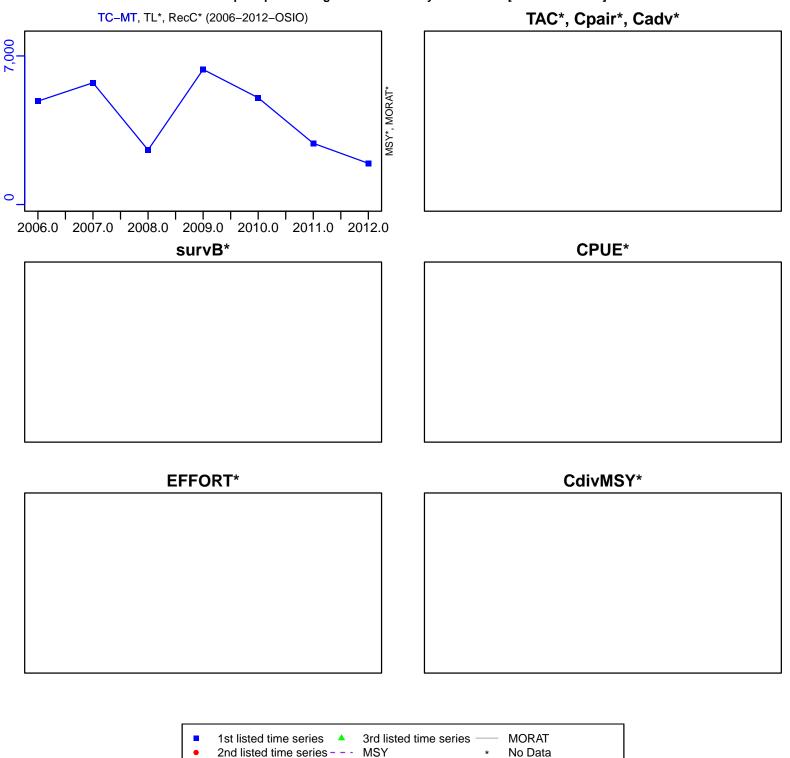
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	1730		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

TB*	SSB*
TN *	F*
ER*	Recruits*
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	arget BRP — Rec-Est m BRP * No Data

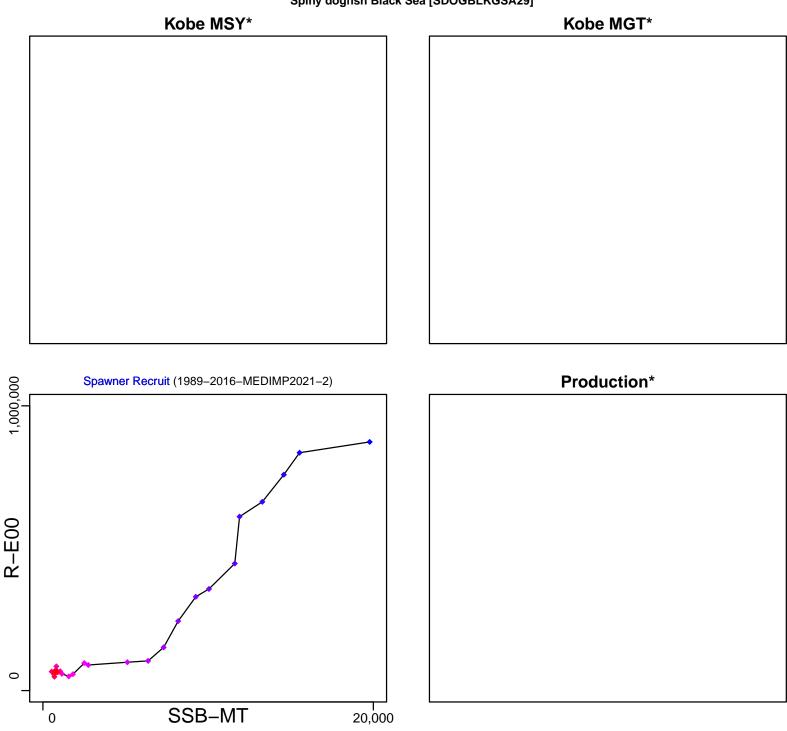


# Spiny dogfish Black Sea [SDOGBLKGSA29]

Metadata		
Scientific Name	Squalus acanthias	
Current Assess ID	STECF-SDOGBLKGSA29-1989-2016-MEDIMP2021-2	
Area	Black Sea	
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Scientific, Technical and Economic Committee for Fisheries	
Asmts in RAM	2011, 2014, 2016	

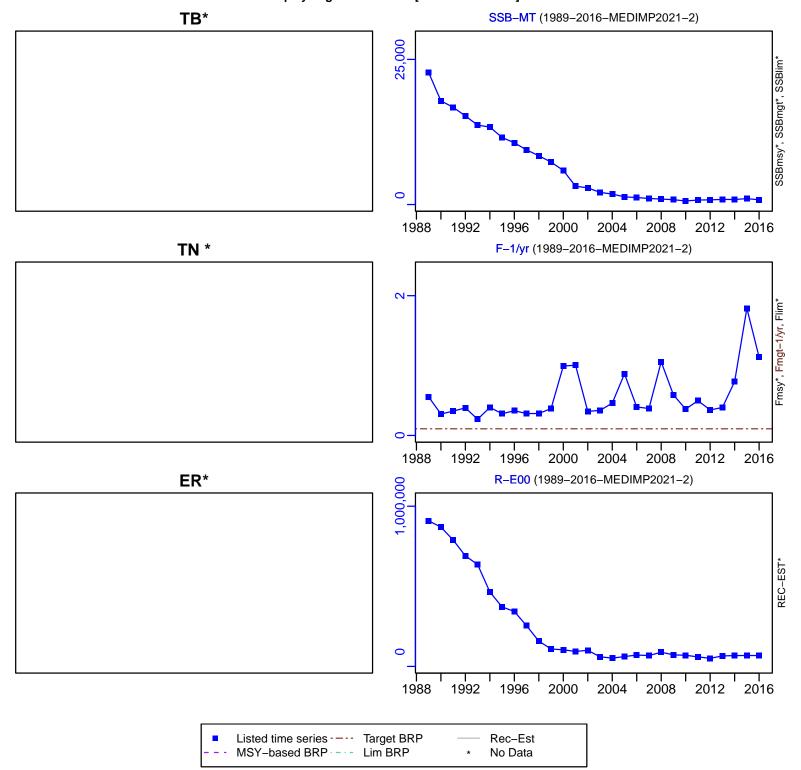
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2016	0.08		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	M-1/yr	2011	0.15		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

	Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	SSB-MT	2016	703	-	-	
TN	-	-	-	-	-	
R	R-E00	2016	65,271	-	-	
F	F-1/yr	2016	0.939	-	-	
ER	-	-	-	-	-	
TC	TC-MT	2016	137			
TL	-	-	-			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	11.735			
ER/ERmgt	-	-	-			

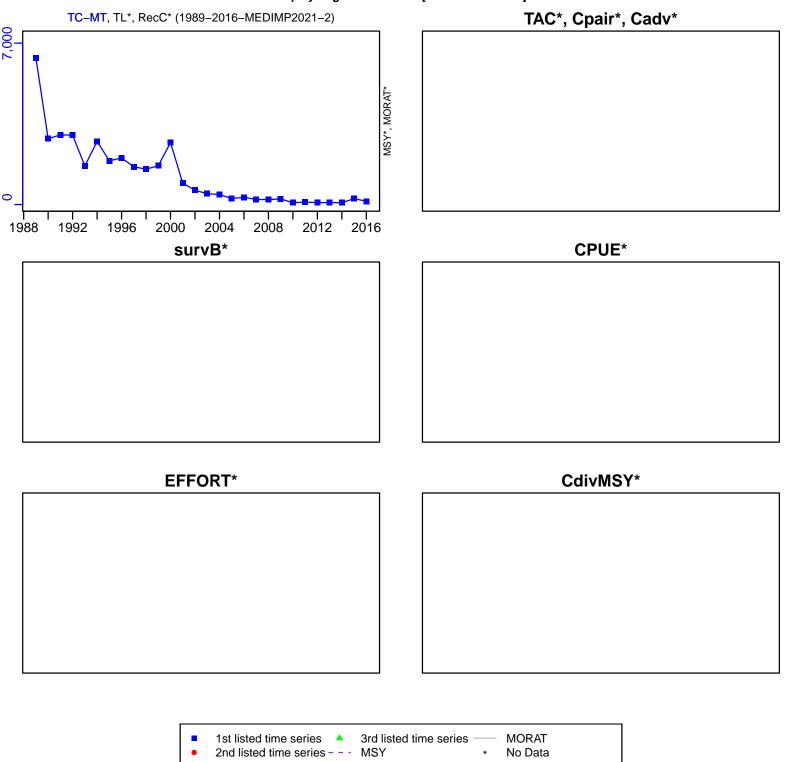


Start Year ◆ End Year \* No Data

#### Spiny dogfish Black Sea [SDOGBLKGSA29]



# Spiny dogfish Black Sea [SDOGBLKGSA29]



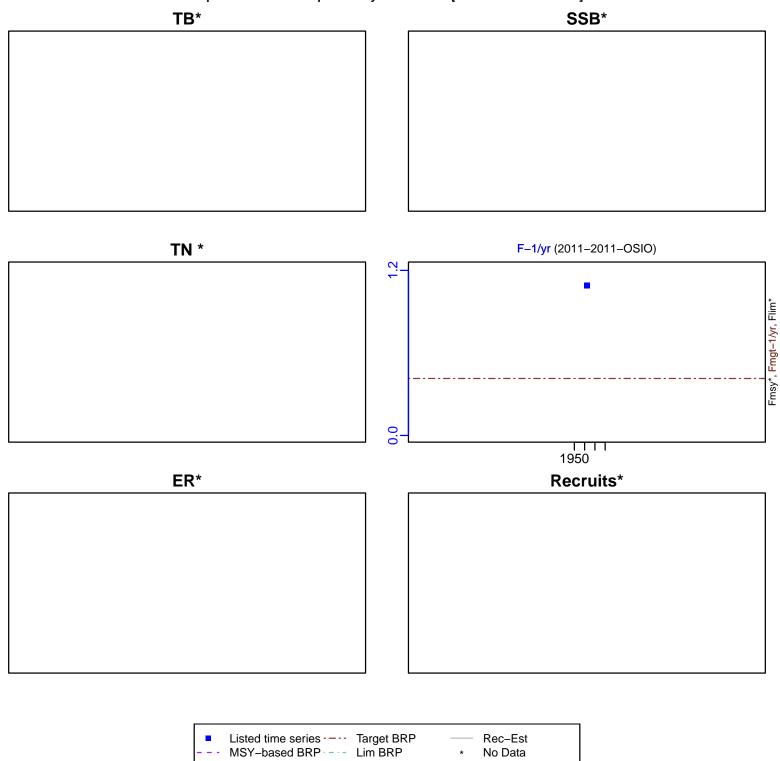
Metadata			
Scientific Name	Squilla mantis		
Current Assess ID STECF-SMSHRMPMEDGSA10-2011-2011-OSIO			
Area	South Tyrrhenian Sea		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2011		

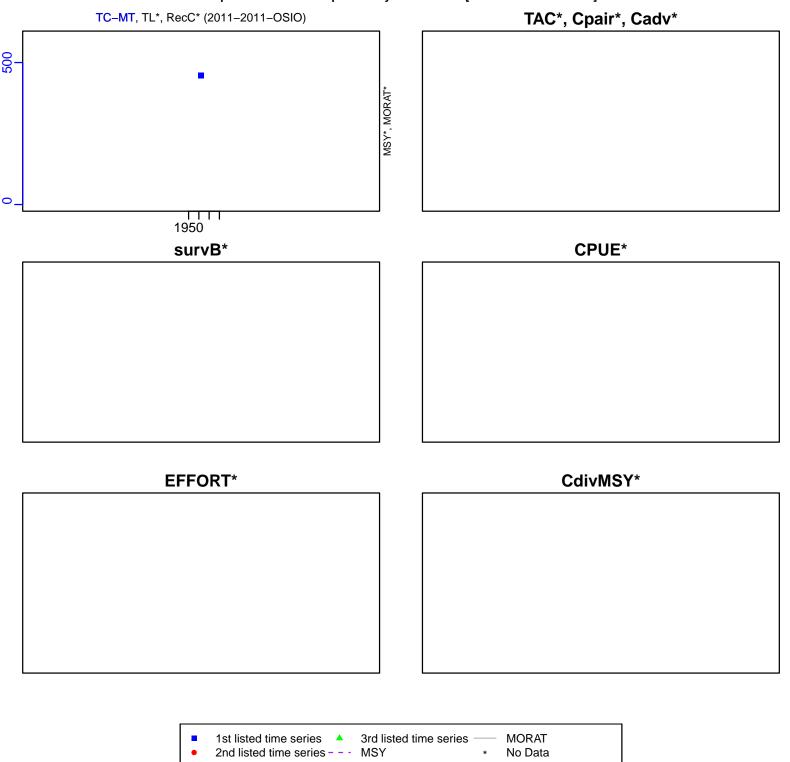
Reference Points					
Туре					
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2011	0.41		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2011	1.08	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	387		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	2.634		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*
оринно населена	

◆ Start Year ◆ End Year \* No Data



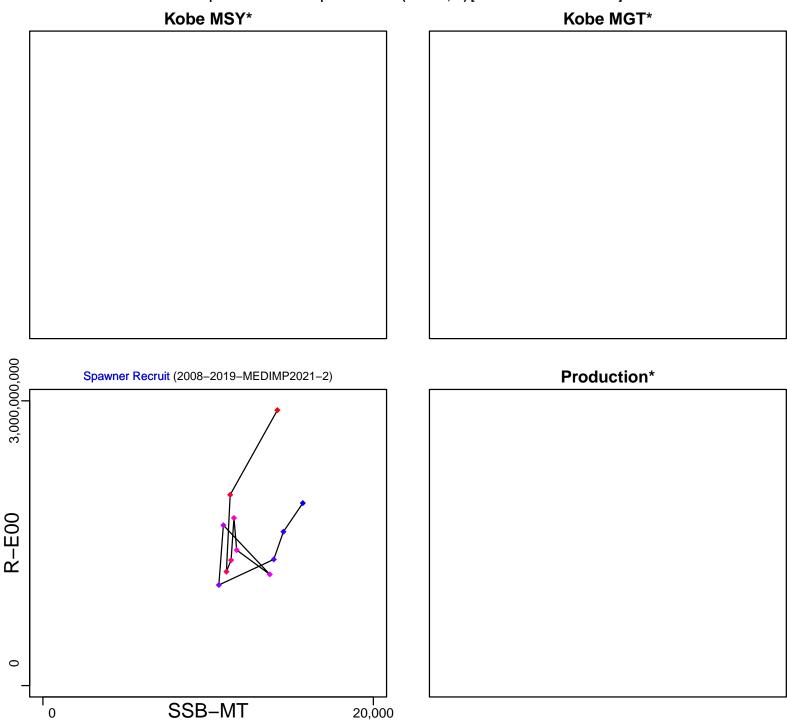


# Spottail mantis shrimp Adriatic Sea (GSA 17,18) [SMSHRMPMEDGSA17-18]

Metadata				
Scientific Name	Squilla mantis			
Current Assess ID	Assess ID STECF-SMSHRMPMEDGSA17-18-2008-2019-MEDIMP2021-2			
Area	Adriatic Sea (GSA 17,18)			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states			
Assessor	Scientific, Technical and Economic Committee for Fisheries			
Asmts in RAM	2014, 2019			

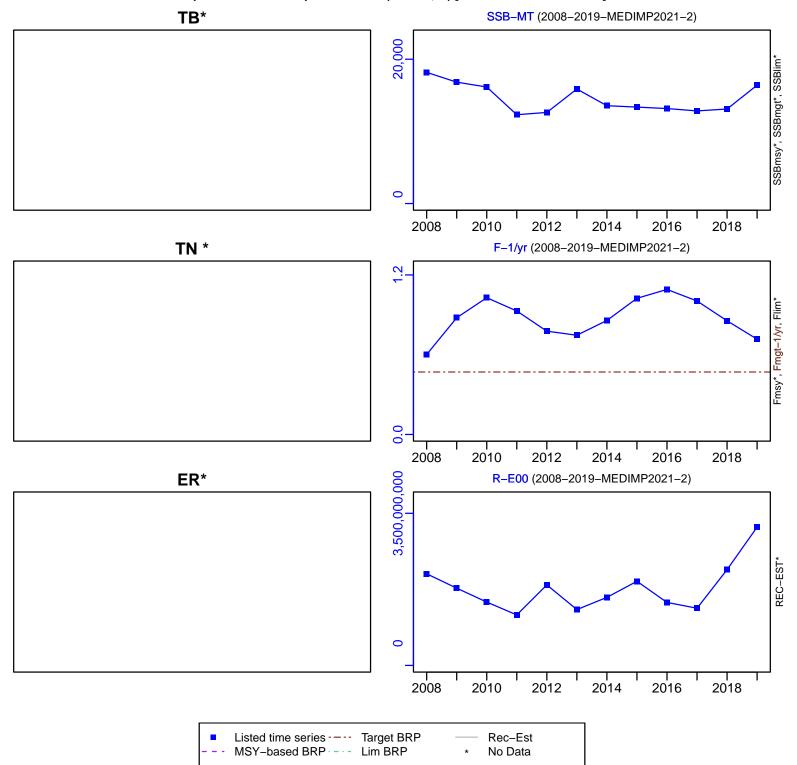
Reference Points					
Туре	ID Asmt Year Value				
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2019	0.449		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2019	14,193	-	-
TN	-	-	-	-	-
R	R-E00	2019	2,901,990,201	-	-
F	F-1/yr	2019	0.686	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	4372		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-	]	
TB/TBmgt	-	-	-	]	
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	1.526		
ER/ERmgt	-	-	-		

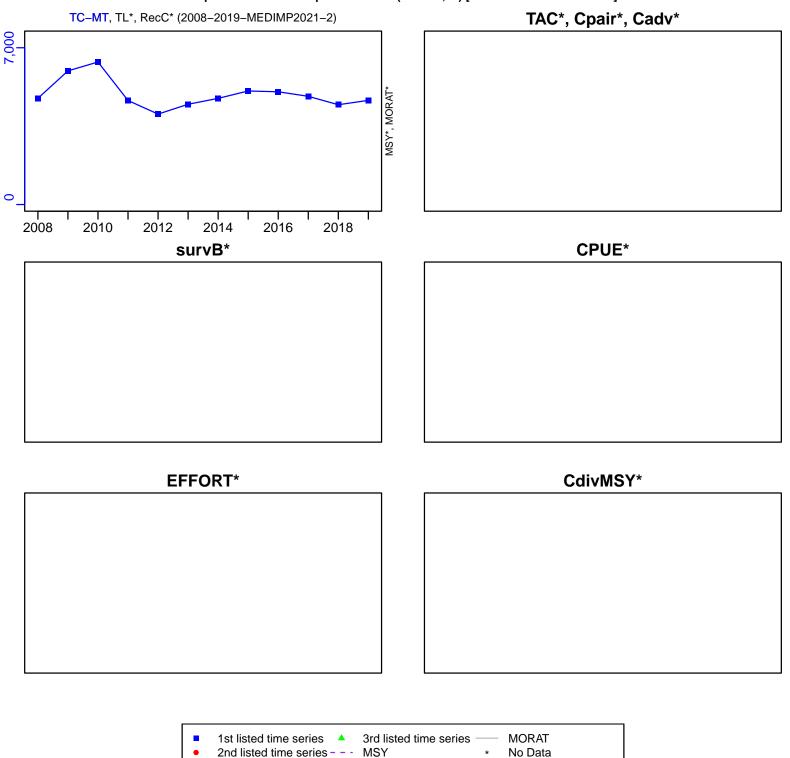


Start Year • End Year \* No Data

### Spottail mantis shrimp Adriatic Sea (GSA 17,18) [SMSHRMPMEDGSA17-18]



## Spottail mantis shrimp Adriatic Sea (GSA 17,18) [SMSHRMPMEDGSA17-18]

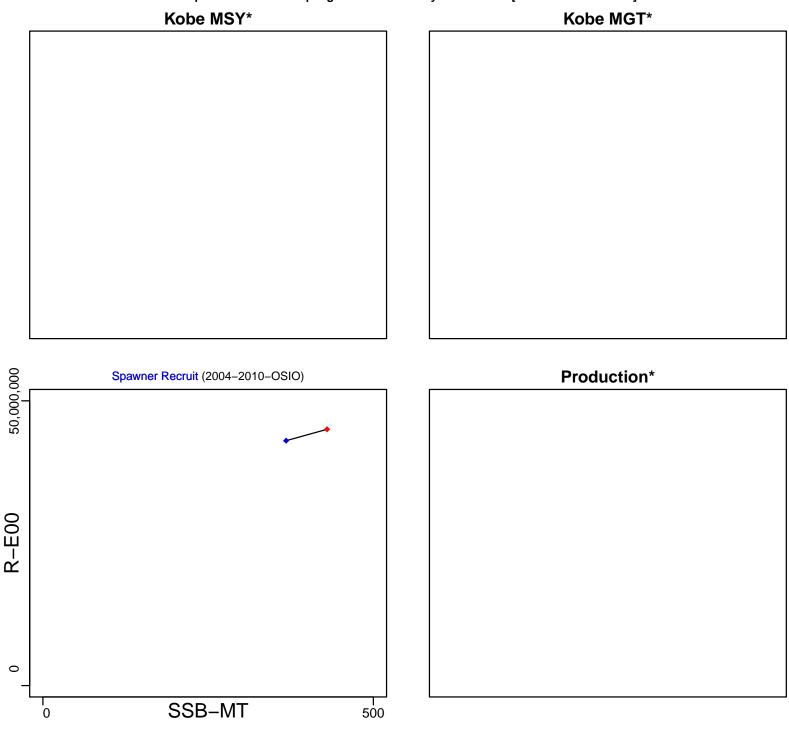


## Spottail mantis shrimp Ligurian and North Tyrrhenian Sea [SMSHRMPMEDGSA9]

Metadata			
Scientific Name	Squilla mantis		
Current Assess ID	STECF-SMSHRMPMEDGSA9-2004-2010-OSIO		
Area Ligurian and North Tyrrhenian Sea			
Management Authority General Fisheries Council for the Mediterranean, DG MARE, and national sta			
Assessor Scientific, Technical and Economic Committee for Fisheries			
Asmts in RAM	2010		

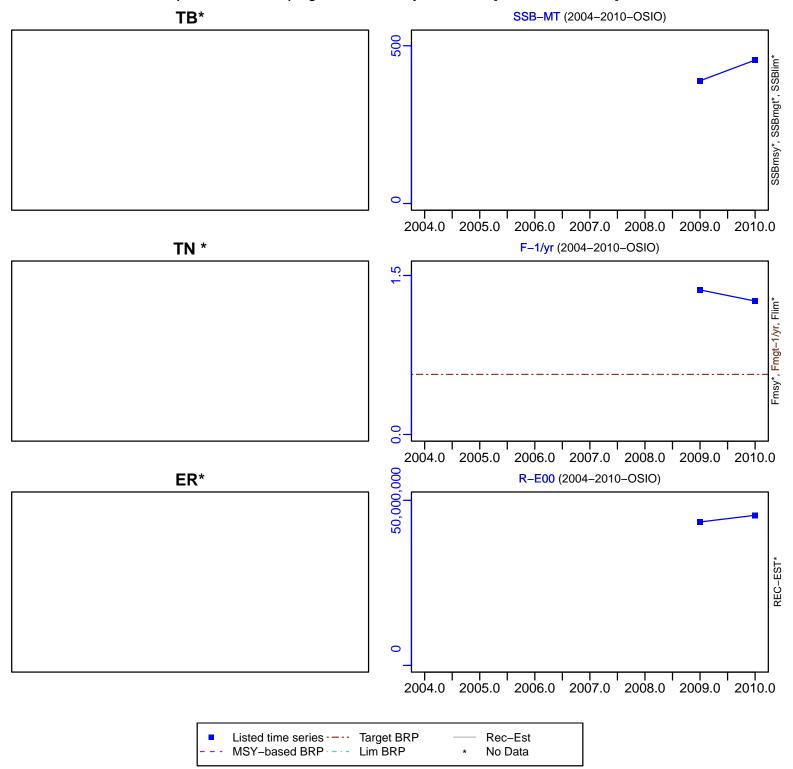
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2010	0.54	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2010	430	-	-
TN	-	-	-	-	-
R	R-E00	2010	$4.5 \times 10^{7}$	-	-
F	F-1/yr	2010	1.2	-	-
ER	-	-	-	-	-
TC	TC-MT	2010	386		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2010	2.222		
ER/ERmgt	-	-	-		

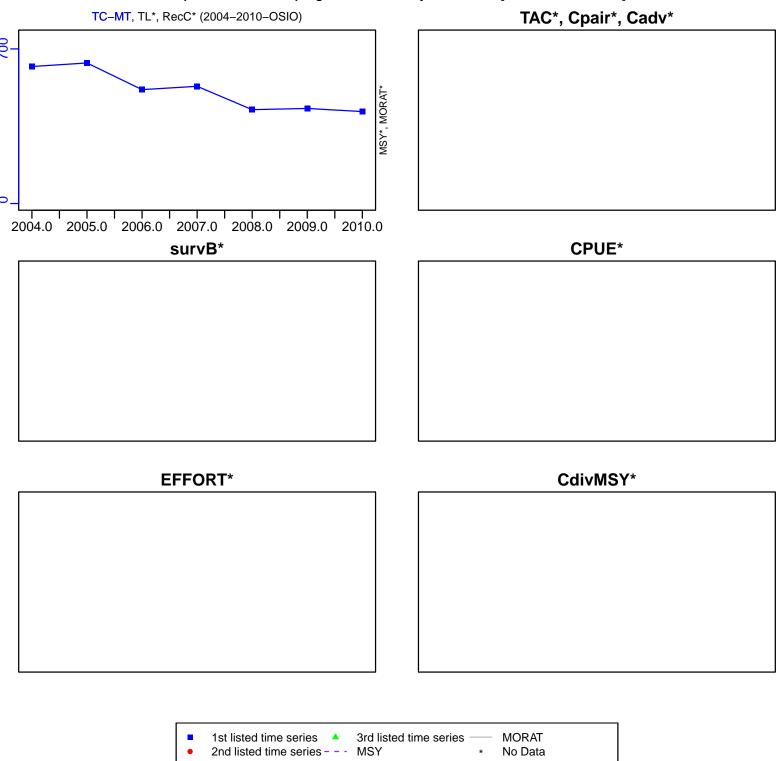


Start Year • End Year \* No Data

#### **Spottail mantis shrimp Ligurian and North Tyrrhenian Sea [SMSHRMPMEDGSA9]**



## Spottail mantis shrimp Ligurian and North Tyrrhenian Sea [SMSHRMPMEDGSA9]

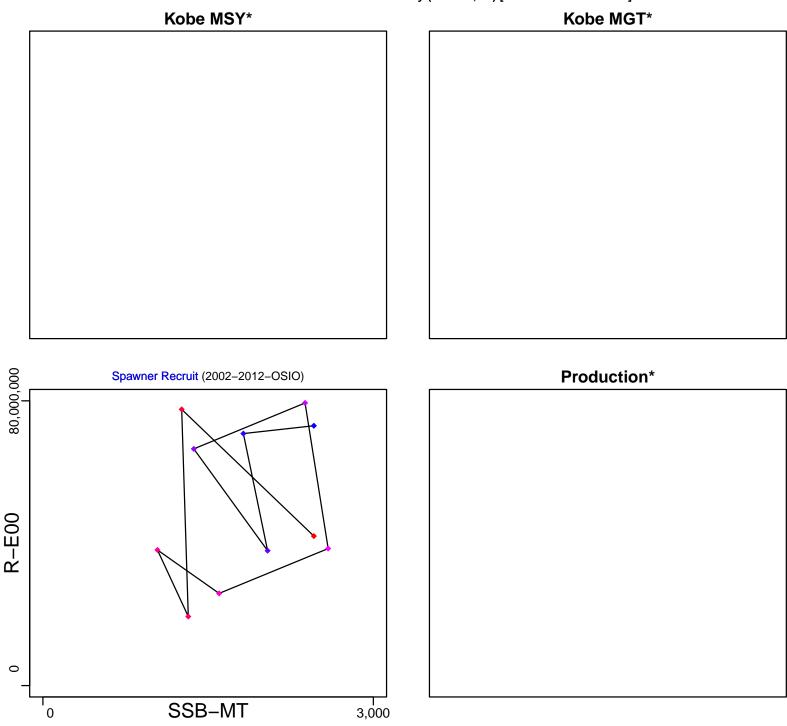


# Surmullet Malta Island and South of Sicily (GSA 15, 16) [SMULLMEDGSA15-16]

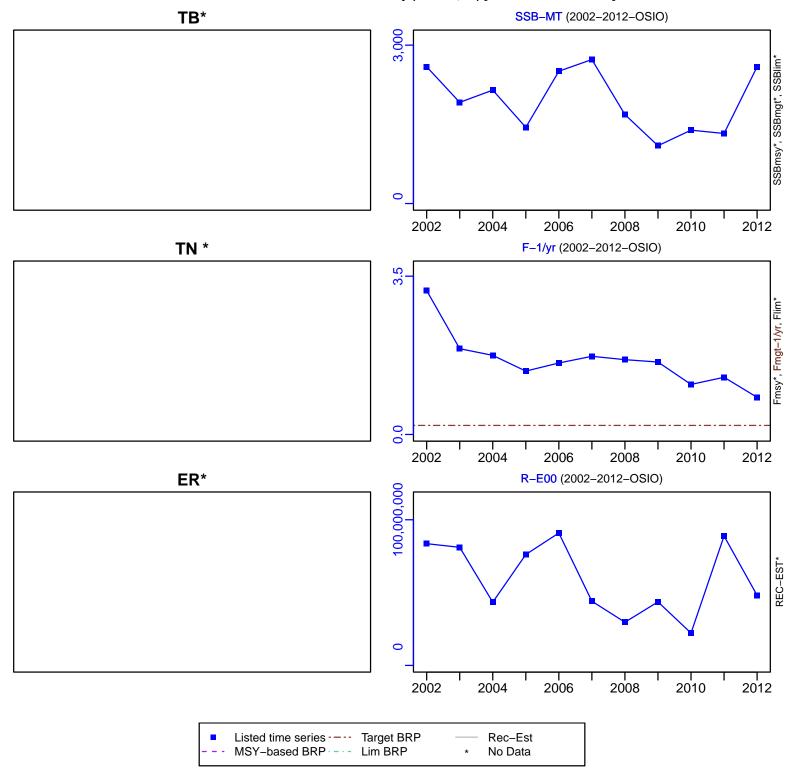
Metadata			
Scientific Name	Mullus surmuletus		
Current Assess ID STECF-SMULLMEDGSA15-16-2002-2012-OSIO			
Area Malta Island and South of Sicily (GSA 15, 16)			
Management Authority General Fisheries Council for the Mediterranean, DG MARE, and national st			
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2012		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2012	0.19	
ERmgt	•	-	-	
TB0	•	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

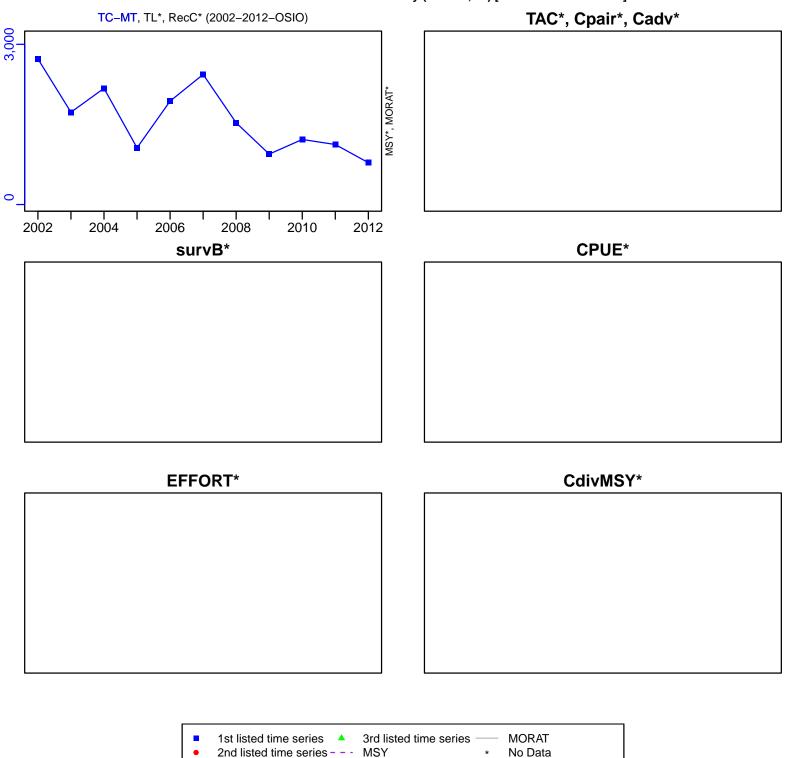
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2012	2460	-	2+
TN	-	-	-	-	-
R	R-E00	2012	$4.2 \times 10^{7}$	-	-
F	F-1/yr	2012	0.78	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	753		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	4.105		
ER/ERmgt	-	-	-		



Start Year • End Year \* No Data



## Surmullet Malta Island and South of Sicily (GSA 15, 16) [SMULLMEDGSA15-16]

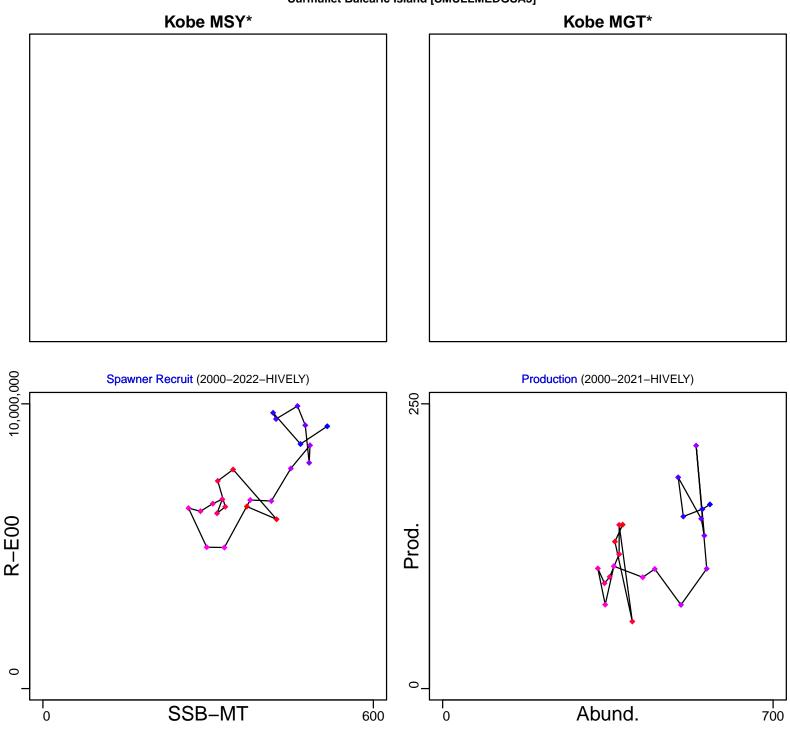


## **Surmullet Balearic Island [SMULLMEDGSA5]**

Metadata			
Scientific Name	Mullus surmuletus		
Current Assess ID WGSAD-SMULLMEDGSA5-2000-2022-HIVELY			
Area Balearic Island			
Management Authority General Fisheries Council for the Mediterranean, DG MARE, and national sta			
Assessor	Working Group on Stock Assessment of Demersal Species		
Asmts in RAM	2012, 2019, 2021, 2022		

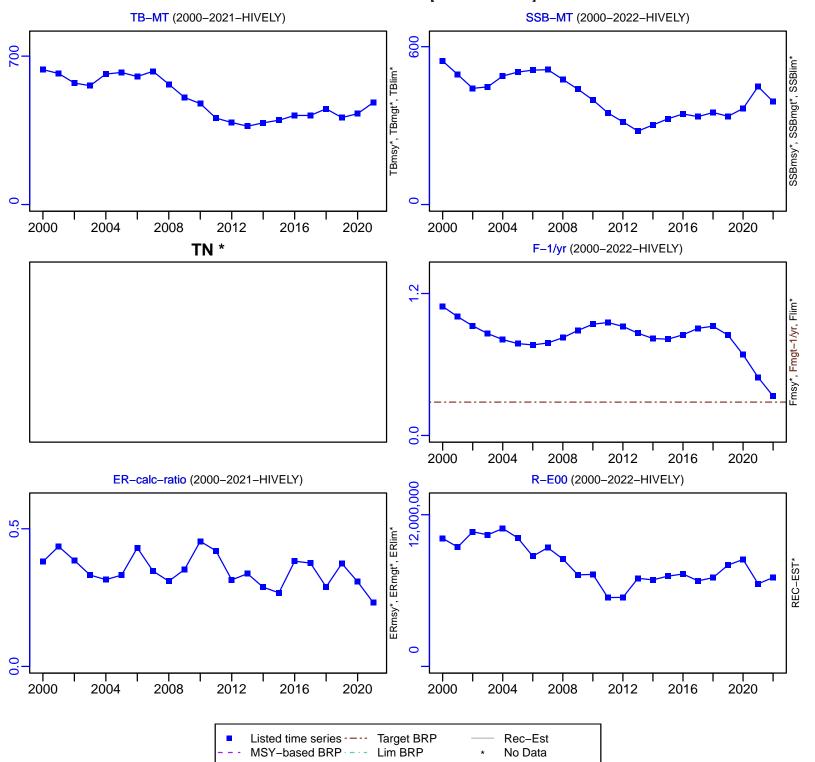
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2022	0.24	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2021	428	-	-
SSB	SSB-MT	2022	370	-	-
TN	-	-	-	-	-
R	R-E00	2022	6,393,800	-	-
F	F-1/yr	2022	0.283	-	1 to 3
ER	ER-calc-ratio	2021	0.191	-	-
TC	TC-MT	2022	83		
TL	TL-MT	2022	83		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2022	1.18		
ER/ERmgt	-	-	-		

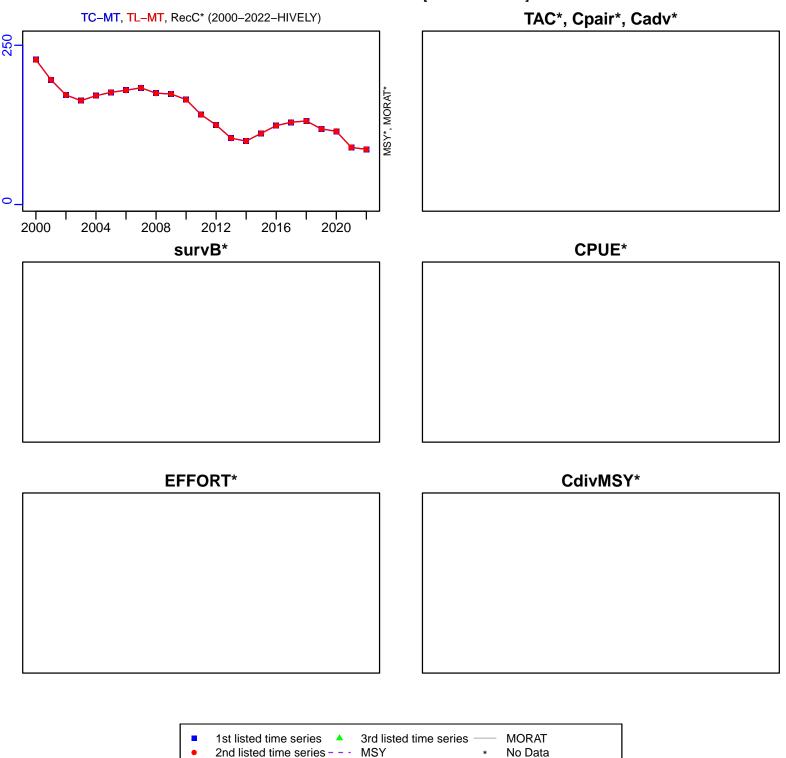


Start Year → End Year → No Data

#### **Surmullet Balearic Island [SMULLMEDGSA5]**



### **Surmullet Balearic Island [SMULLMEDGSA5]**

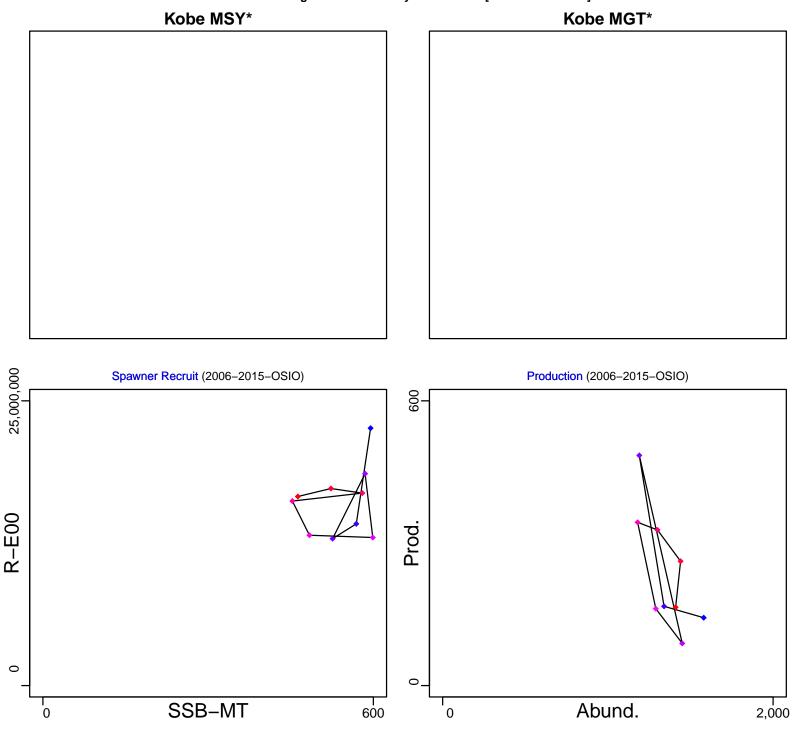


# **Surmullet Ligurian and North Tyrrhenian Sea [SMULLMEDGSA9]**

Metadata			
Scientific Name	Mullus surmuletus		
Current Assess ID STECF-SMULLMEDGSA9-2006-2015-OSIO			
Area Ligurian and North Tyrrhenian Sea			
Management Authority General Fisheries Council for the Mediterranean, DG MARE, and national sta			
Assessor Scientific, Technical and Economic Committee for Fisheries			
Asmts in RAM	2010, 2015		

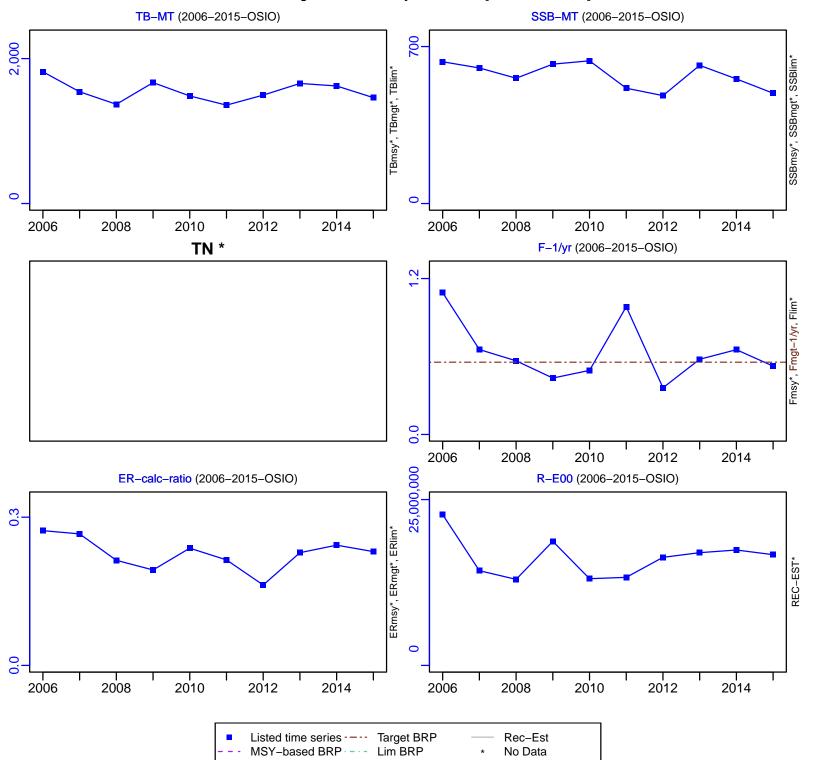
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2015	0.52	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	TB-MT	2015	1270	-	-	
SSB	SSB-MT	2015	463	Both	-	
TN	-	-	-	-	-	
R	R-E00	2015	16,600,000	-	-	
F	F-1/yr	2015	0.492	-	-	
ER	ER-calc-ratio	2015	0.205	-	-	
TC	TC-MT	2015	260			
TL	TL-MT	2015	260			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.946			
ER/ERmgt	-	-	-			

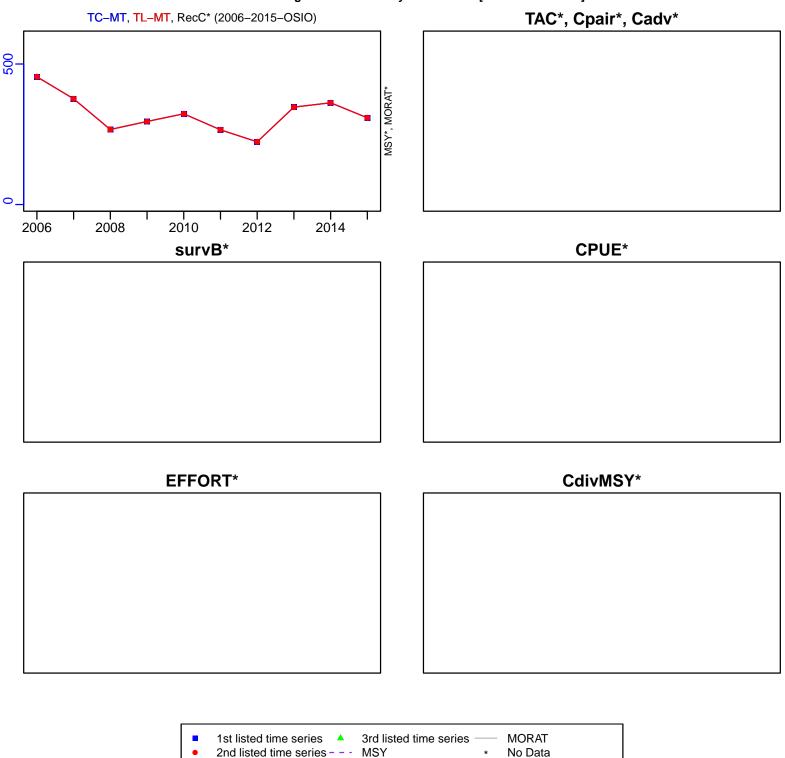


Start Year → End Year → No Data

#### Surmullet Ligurian and North Tyrrhenian Sea [SMULLMEDGSA9]



## Surmullet Ligurian and North Tyrrhenian Sea [SMULLMEDGSA9]

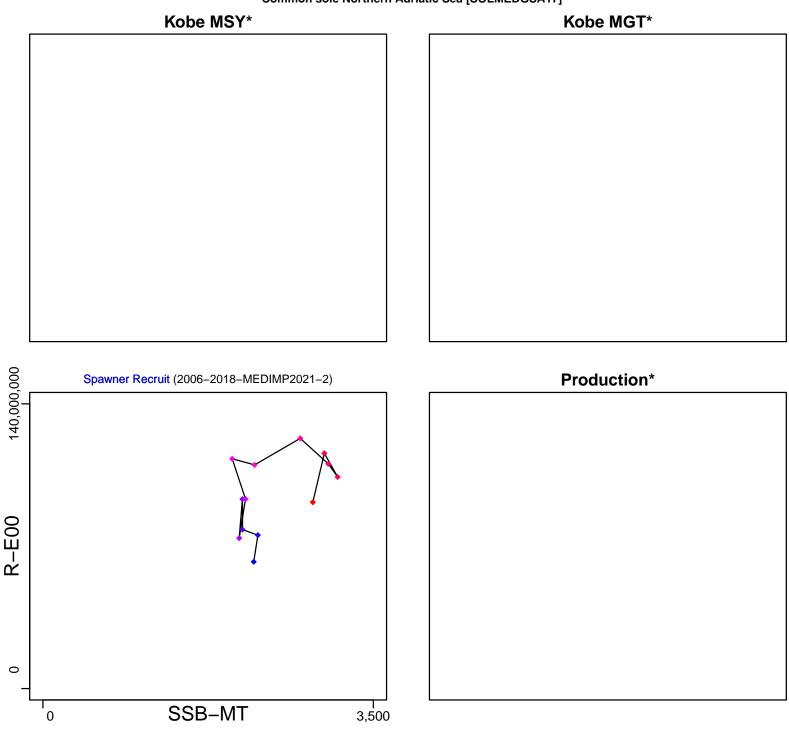


## Common sole Northern Adriatic Sea [SOLMEDGSA17]

Metadata			
Scientific Name	Solea solea		
Current Assess ID	STECF-SOLMEDGSA17-2006-2018-MEDIMP2021-2		
Area Northern Adriatic Sea			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2011, 2014, 2018		

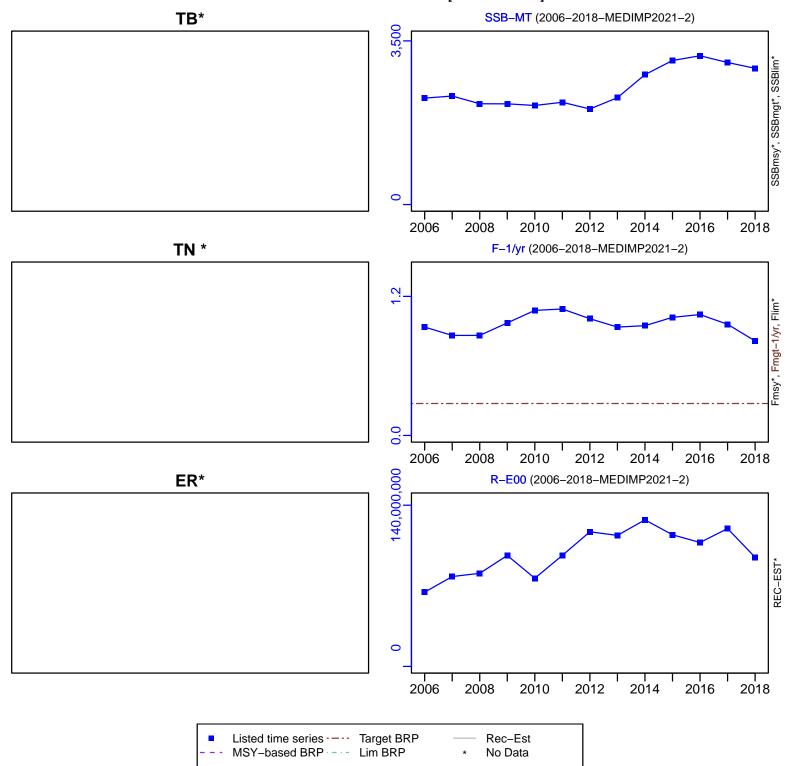
	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2018	0.23		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	M-1/yr	2011	0.35		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2018	2859	-	-
TN	-	-	-	-	-
R	R-E00	2018	91,628,000	-	-
F	F-1/yr	2018	0.68	-	-
ER	-	-	-	-	-
TC	TC-MT	2018	1849		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2018	2.957		
ER/ERmgt	-	-	-		

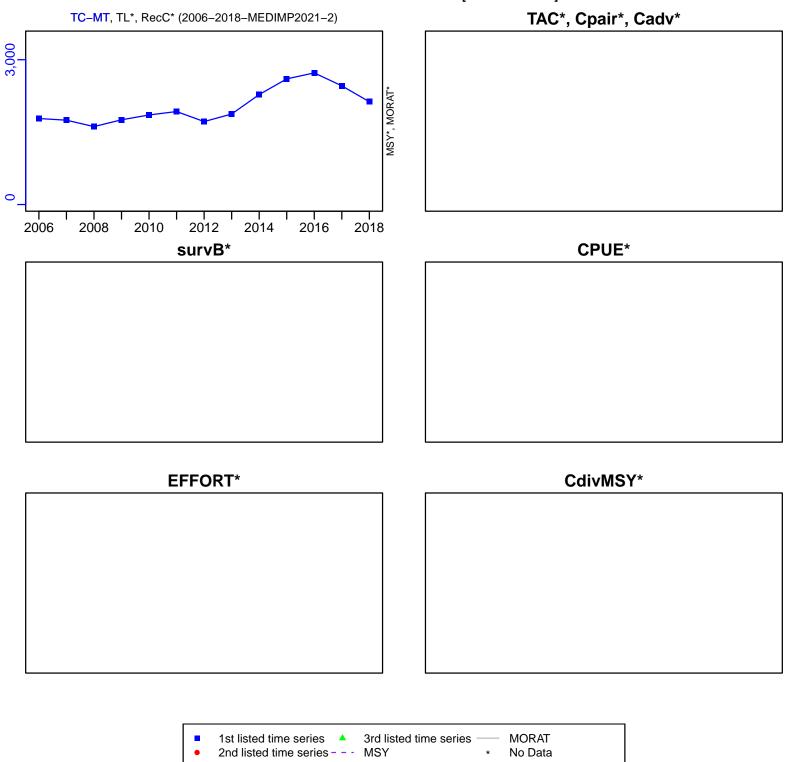


Start Year • End Year \* No Data

### Common sole Northern Adriatic Sea [SOLMEDGSA17]



## Common sole Northern Adriatic Sea [SOLMEDGSA17]

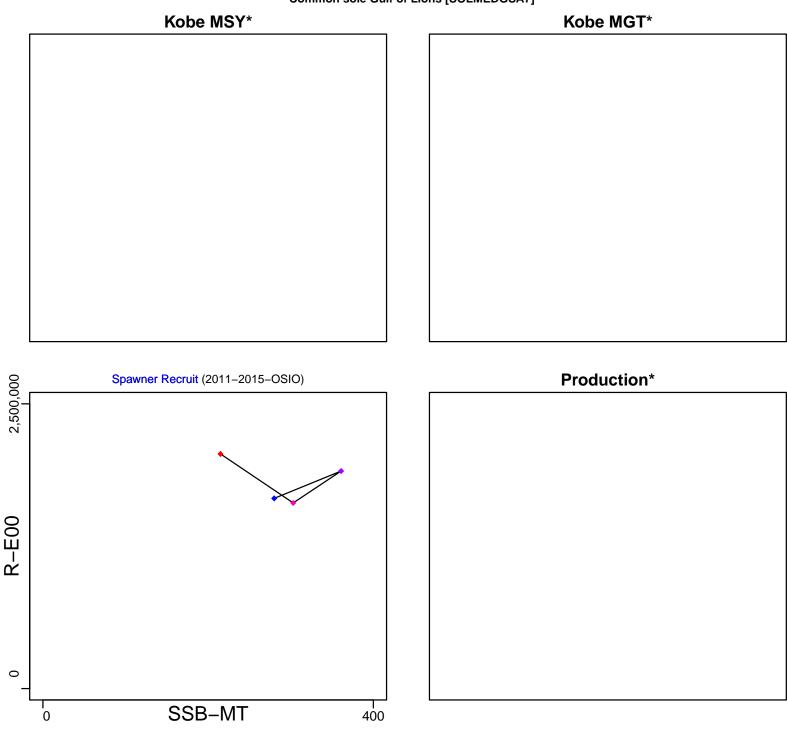


# Common sole Gulf of Lions [SOLMEDGSA7]

Metadata			
Scientific Name	Solea solea		
Current Assess ID	STECF-SOLMEDGSA7-2011-2015-OSIO		
Area Gulf of Lions			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Scientific, Technical and Economic Committee for Fisheries		
Asmts in RAM	2015		

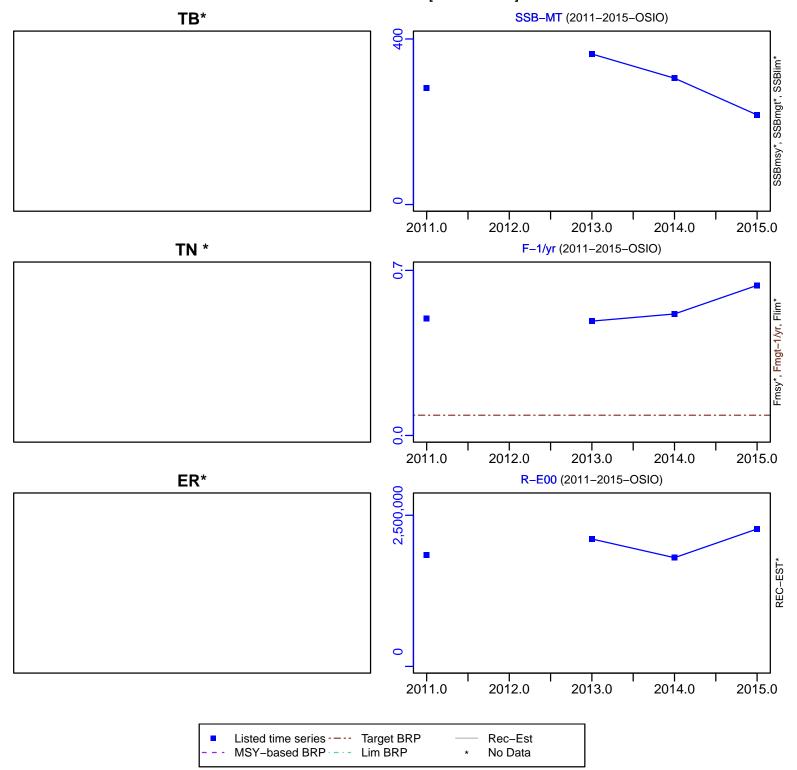
Reference Points				
Type	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2015	0.085	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2015	215	-	-
TN	-	-	-	-	-
R	R-E00	2015	2,060,000	-	-
F	F-1/yr	2015	0.63	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	184		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	7.412		
ER/ERmgt	-	-	-		

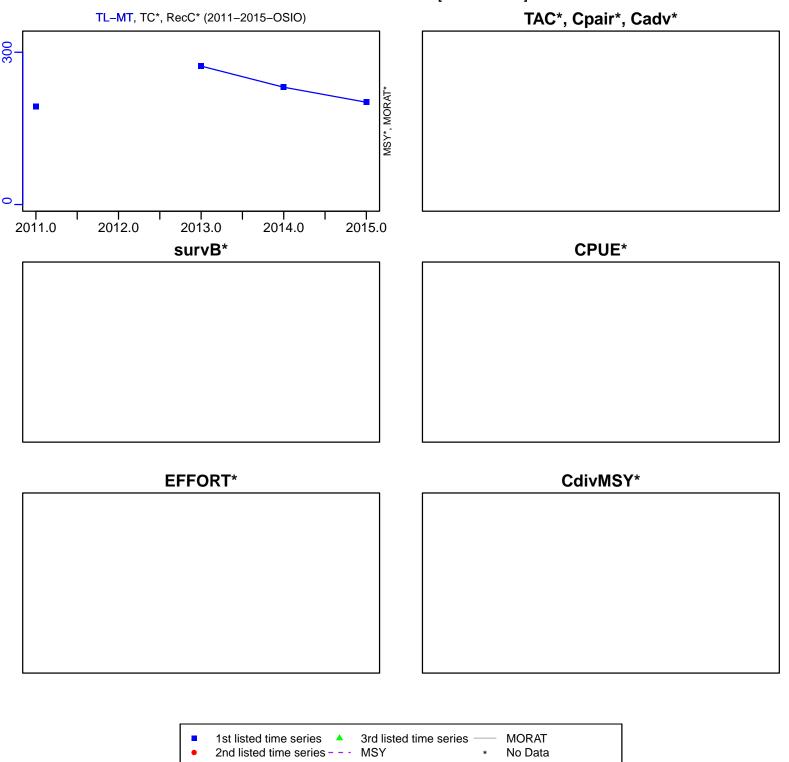


Start Year • End Year \* No Data

## Common sole Gulf of Lions [SOLMEDGSA7]



## Common sole Gulf of Lions [SOLMEDGSA7]

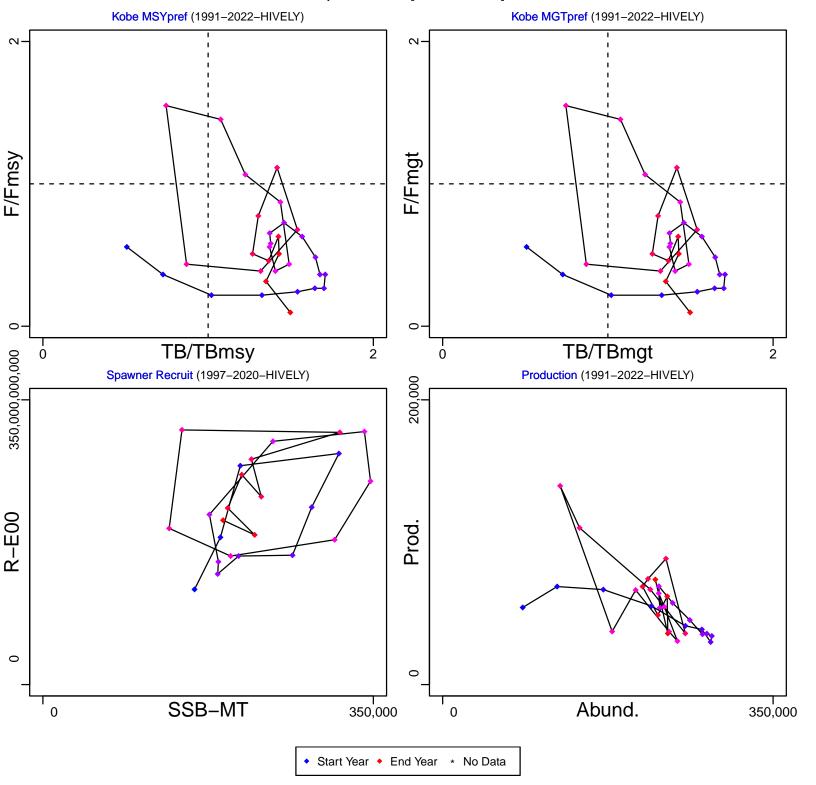


# Sprat Black Sea [SPRBLKGSA29]

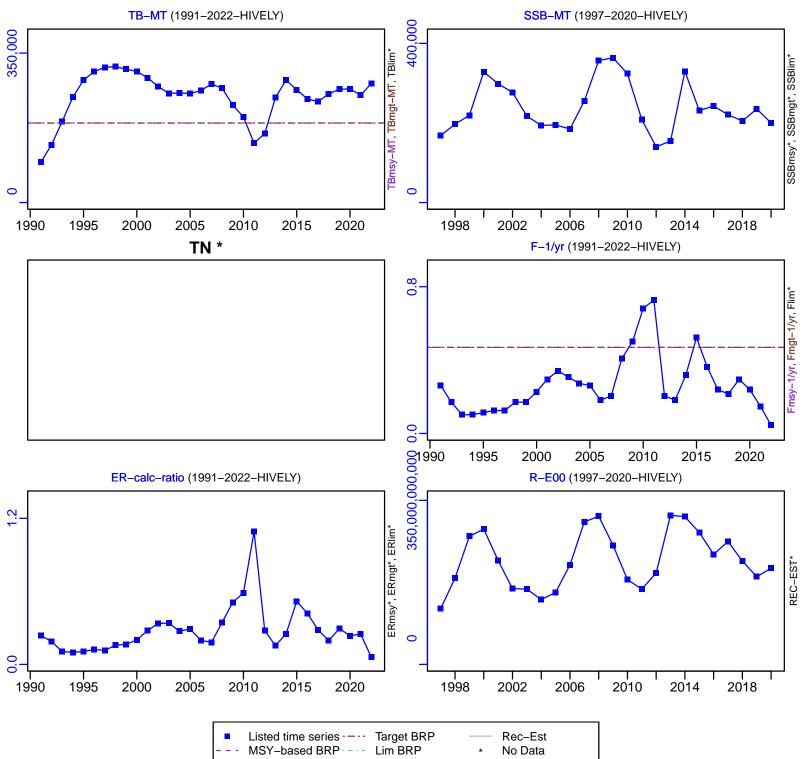
Metadata			
Scientific Name	Sprattus sprattus		
Current Assess ID	SGSABS-SPRBLKGSA29-1991-2022-HIVELY		
Area Black Sea			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states		
Assessor	Subregional Group on Stock Assessment for the Black Sea		
Asmts in RAM	2022, 2020, 2010, 2014, 2016		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-MT	2022	166,832	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2022	0.413	
ERmsy	-	-	-	
TBmgt	TBmgt-MT	2022	166,832	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2022	0.413	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	M-1/yr	2010	0.95	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	Flim-1/yr	2010	0.64	
ERlim	-	-	-	

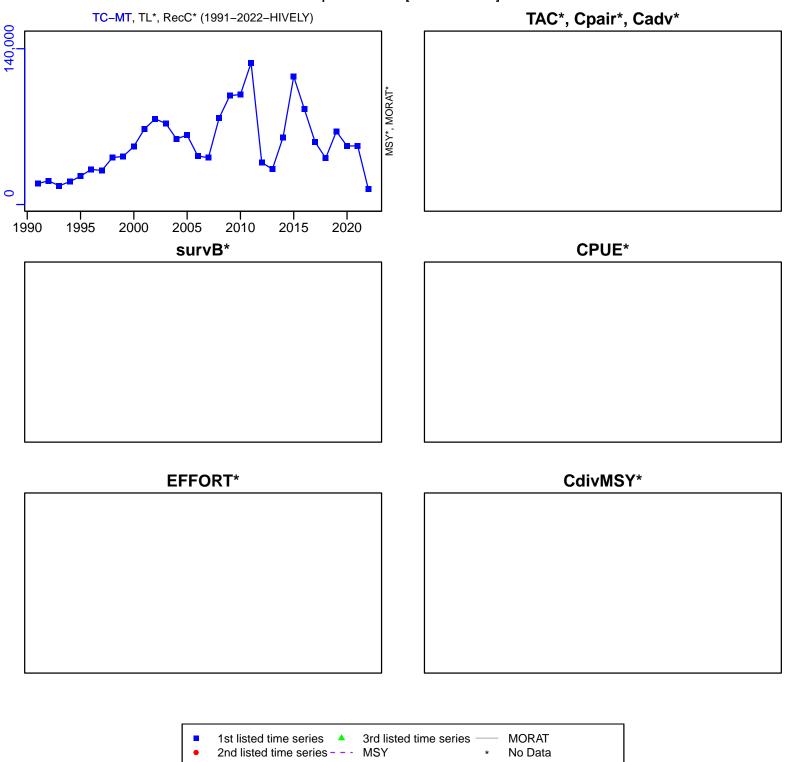
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2022	249,802	-	-
SSB	SSB-MT	2020	190,865	-	-
TN	-	-	-	-	-
R	R-E00	2020	$2.02 \times 10^{11}$	-	-
F	F-1/yr	2022	0.04	-	-
ER	ER-calc-ratio	2022	0.052	-	-
TC	TC-MT	2022	12,951		
TL	TL-MT	2010	91,700		
TB/TBmsy	TB-MT/TBmsy-MT	2022	1.497		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2022	0.097		
ER/ERmsy	-	-	-		
TB/TBmgt	TB-MT/TBmgt-MT	2022	1.497		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2022	0.097		
ER/ERmgt	-	-	-		



#### Sprat Black Sea [SPRBLKGSA29]



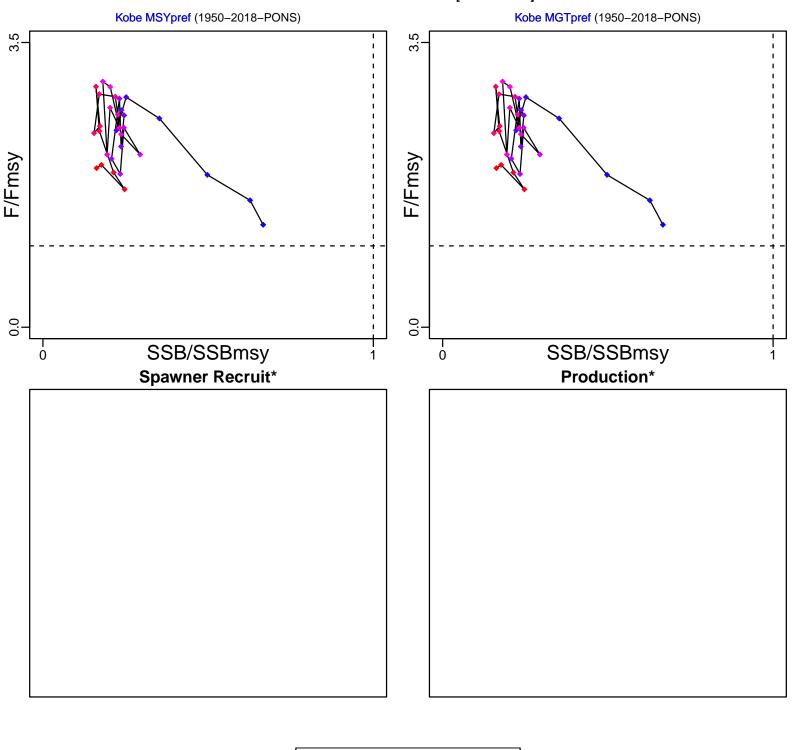
### Sprat Black Sea [SPRBLKGSA29]



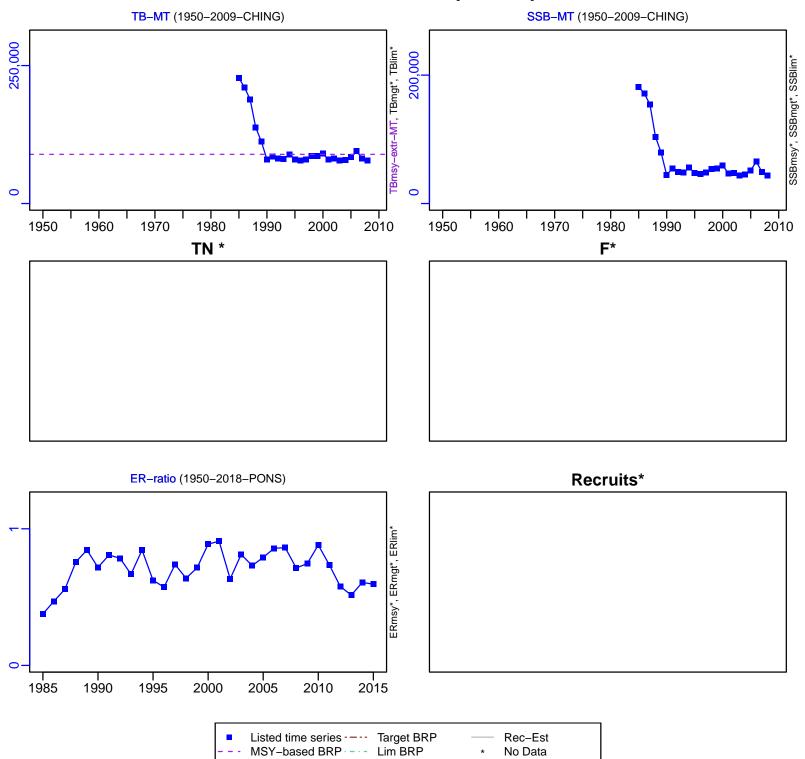
Metadata			
Scientific Name	Xiphias gladius		
Current Assess ID	ICCAT-SWORDMED-1950-2018-PONS		
Area	Mediterranean Sea		
Management Authority	International Commission for the Conservation of Atlantic Tunas		
Assessor	International Commission for the Conservation of Atlantic Tunas		
Asmts in RAM	2009, 2018		

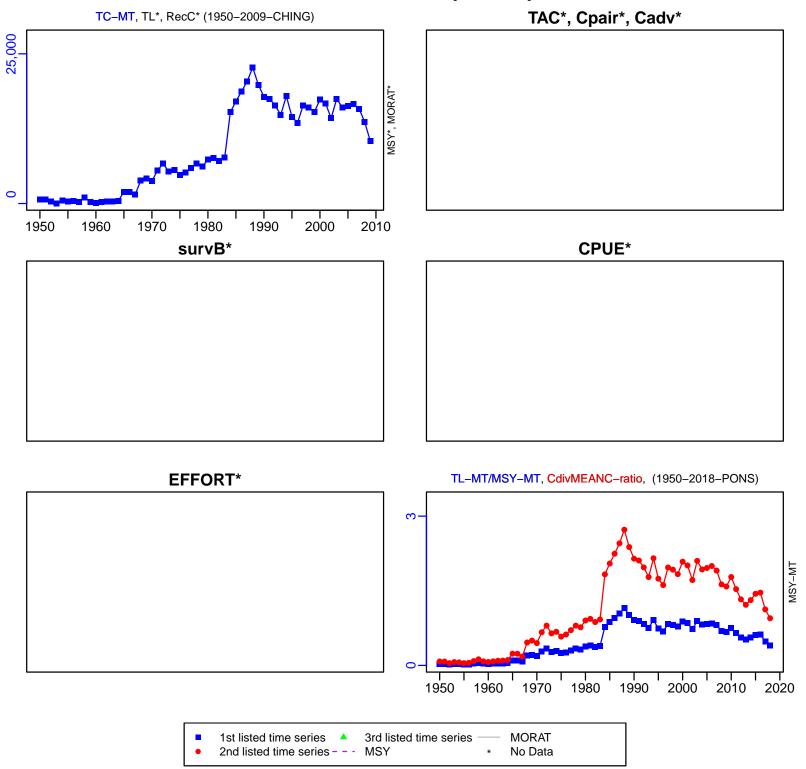
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-extr-MT	2009	73,728	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2009	0.26	
ERmsy	ERmsy-calc-ratio	2009	0.198	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2018	19,683	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2009	64,600	-	-
SSB	SSB-MT	2009	33,600	-	3+
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2018	0.487	-	-
TC	TC-MT	2009	9340		
TL	TL-MT	2018	7079		
TB/TBmsy	TBdivTBmsy-dimensionless	2009	0.96		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2018	0.163		
F/Fmsy	FdivFmsy-dimensionless	2018	1.956		
ER/ERmsy	ER-ratio/ERmsy-calc-ratio	2009	0.954		
TB/TBmgt	-	-	-		
SSB/SSBmgt	1	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



Start Year • End Year \* No Data





## Thornback skate Black Sea [TBSKAMEDGSA29]

Metadata				
Scientific Name	Raja clavata			
Current Assess ID	STECF-TBSKAMEDGSA29-2008-2014-OSIO			
Area	Black Sea			
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national state			
Assessor	Scientific, Technical and Economic Committee for Fisheries			
Asmts in RAM	2014			

Reference Points						
Туре	ID	Asmt Year	Value			
TBmsy	-	-	-			
SSBmsy	-	-	-			
Fmsy	-	-	-			
ERmsy	-	-	-			
TBmgt	-	-	-			
SSBmgt	-	-	-			
Fmgt	Fmgt-1/yr	2014	0.16			
ERmgt	-	-	-			
TB0	-	-	-			
SSB0	-	-	-			
MSY	-	-	-			
М	-	-	-			
TBlim	-	-	-			
SSBlim	-	-	-			
Flim	-	-	-			
ERlim	-	-	-			

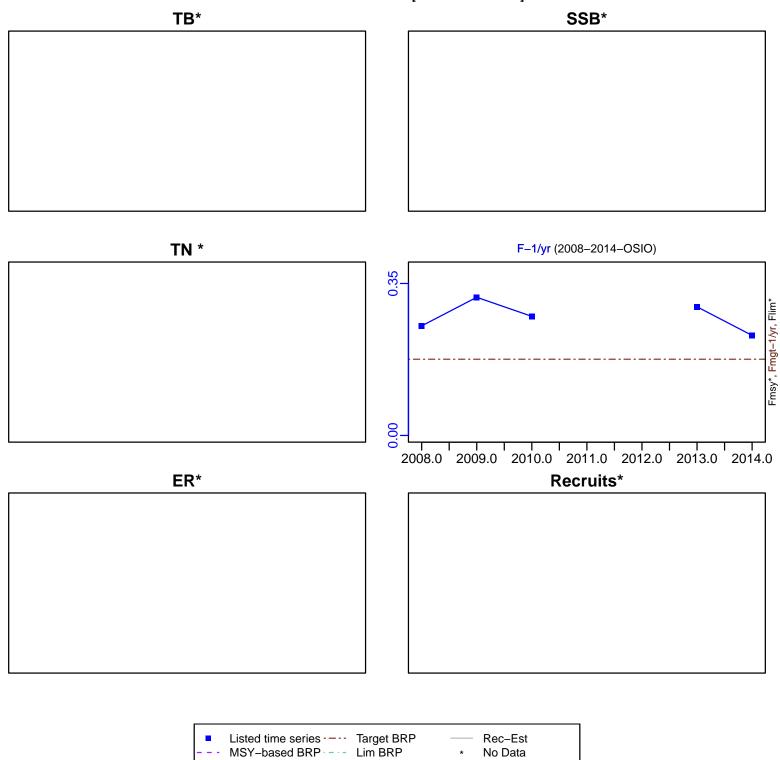
Time Series							
Туре	ID	Asmt Year	Curr Value	Sex	Age		
ТВ	-	-	-	-	-		
SSB	-	-	-	-	-		
TN	-	-	-	-	-		
R	-	-	-	-	-		
F	F-1/yr	2014	0.21	-	-		
ER	-	-	-	-	-		
TC	TC-MT	2014	96				
TL	-	-	-				
TB/TBmsy	-	-	-				
SSB/SSBmsy	-	-	-				
F/Fmsy	-	-	-				
ER/ERmsy	-	-	-				
TB/TBmgt	-	-	-				
SSB/SSBmgt	-	-	-				
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.312				
ER/ERmgt	-	-	-				

## Thornback skate Black Sea [TBSKAMEDGSA29]

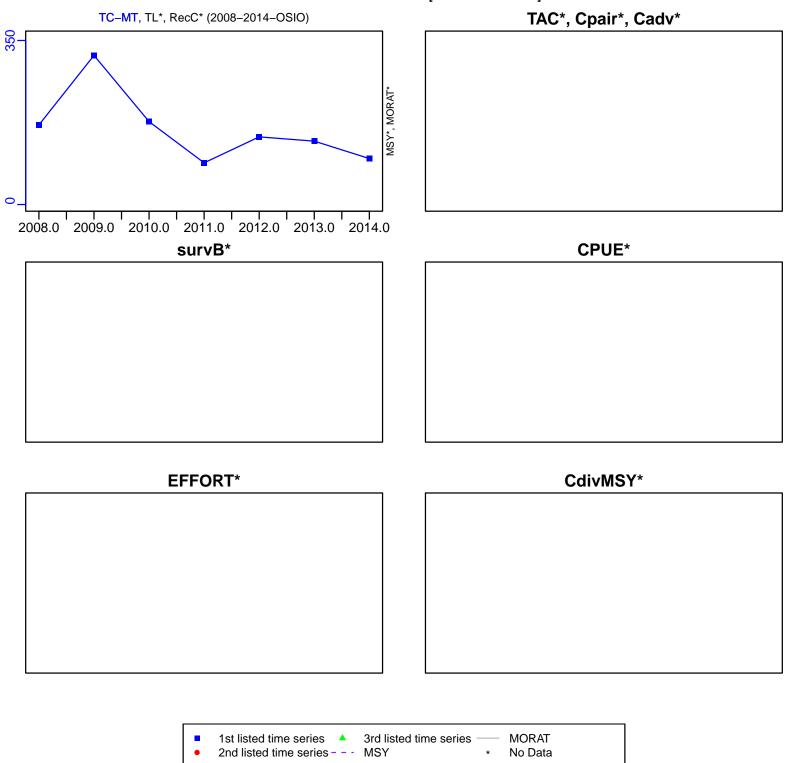
Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

## Thornback skate Black Sea [TBSKAMEDGSA29]



## Thornback skate Black Sea [TBSKAMEDGSA29]

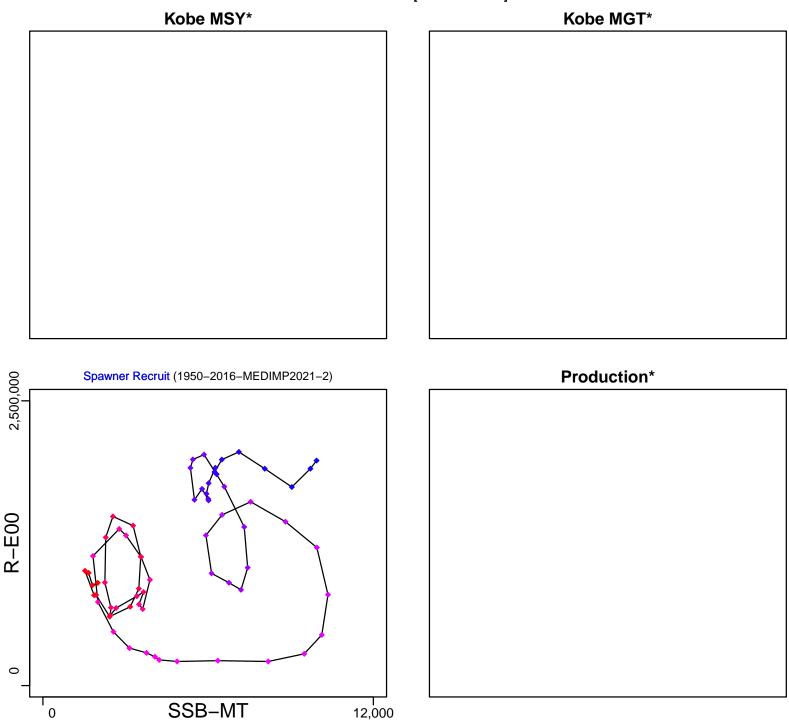


# Turbot Black Sea [TURBLKGSA29]

Metadata		
Scientific Name	Psetta maxima	
Current Assess ID	STECF-TURBLKGSA29-1950-2016-MEDIMP2021-2	
Area	Black Sea	
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Scientific, Technical and Economic Committee for Fisheries	
Asmts in RAM	2014, 2016, 2010	

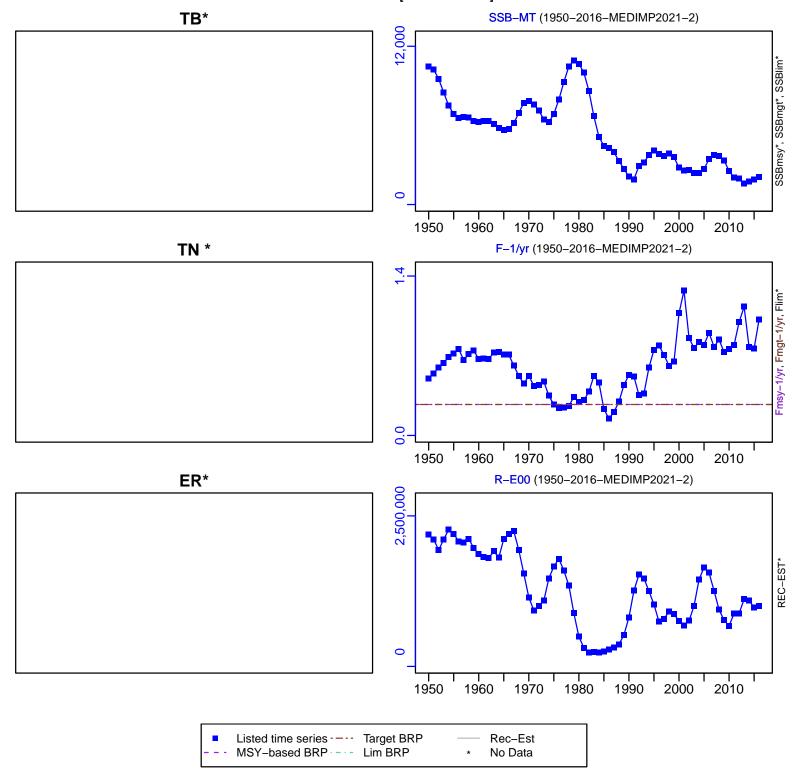
Reference Points						
Туре	ID Asmt Year Value					
TBmsy	-	-	-			
SSBmsy	-	-	-			
Fmsy	Fmsy-1/yr	2016	0.26			
ERmsy	-	-	-			
TBmgt	-	-	-			
SSBmgt	-	-	-			
Fmgt	Fmgt-1/yr	2016	0.26			
ERmgt	-	-	-			
TB0	-	-	-			
SSB0	-	-	-			
MSY	-	-	-			
М	M-1/yr	2010	0.19			
TBlim	-	-	-			
SSBlim	SSBlim-MT	2014	3535			
Flim	-	-	-			
ERlim	-	-	-			

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2016	1993	-	-
TN	-	-	-	-	-
R	R-E00	2016	901,897	-	-
F	F-1/yr	2016	0.974	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	1100		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	3.744		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	3.744		
ER/ERmgt	-	-	-		

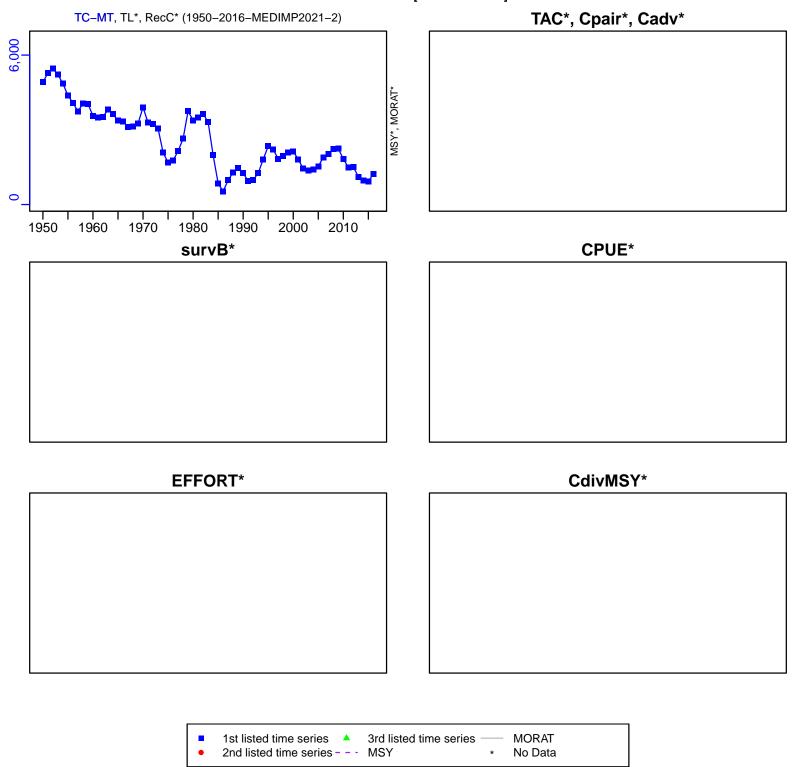


Start Year • End Year \* No Data

### Turbot Black Sea [TURBLKGSA29]



### Turbot Black Sea [TURBLKGSA29]

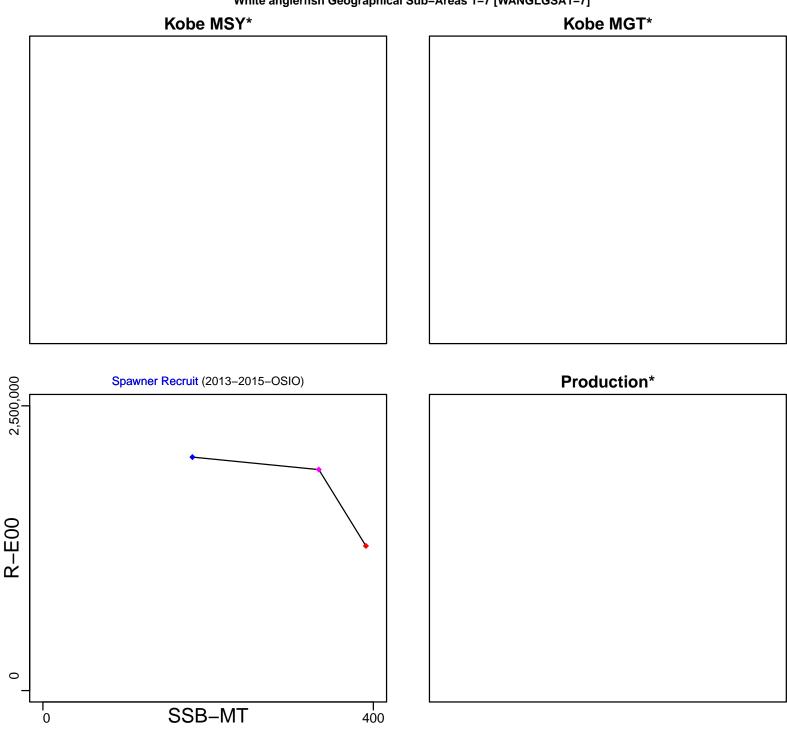


# White anglerfish Geographical Sub-Areas 1-7 [WANGLGSA1-7]

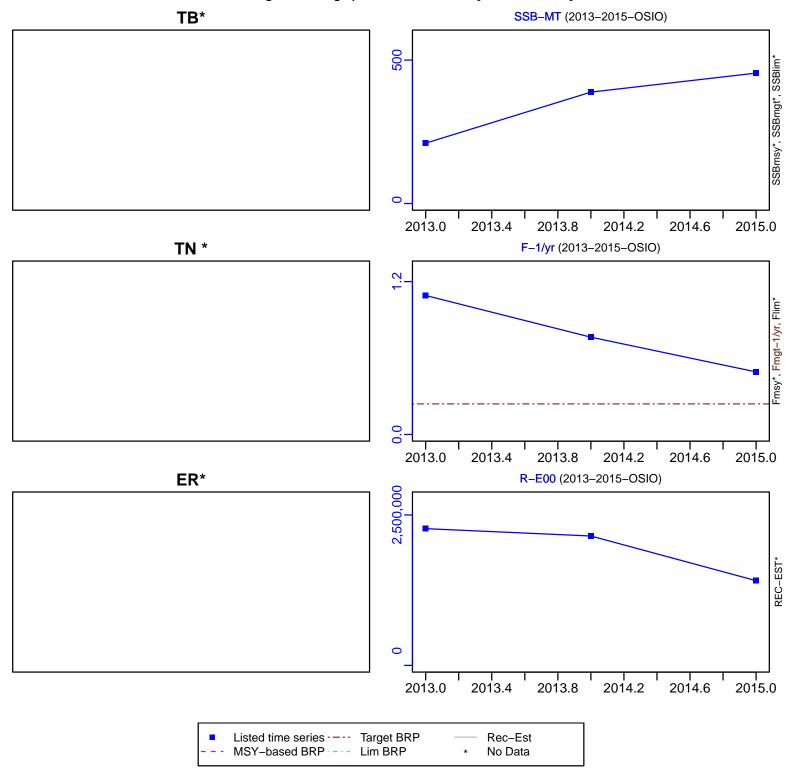
Metadata		
Scientific Name	Lophius piscatorius	
Current Assess ID	STECF-WANGLGSA1-7-2013-2015-OSIO	
Area Geographical Sub-Areas 1-7		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Scientific, Technical and Economic Committee for Fisheries	
Asmts in RAM	2015	

Reference Points					
Type ID Asmt Year Value					
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2015	0.22		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

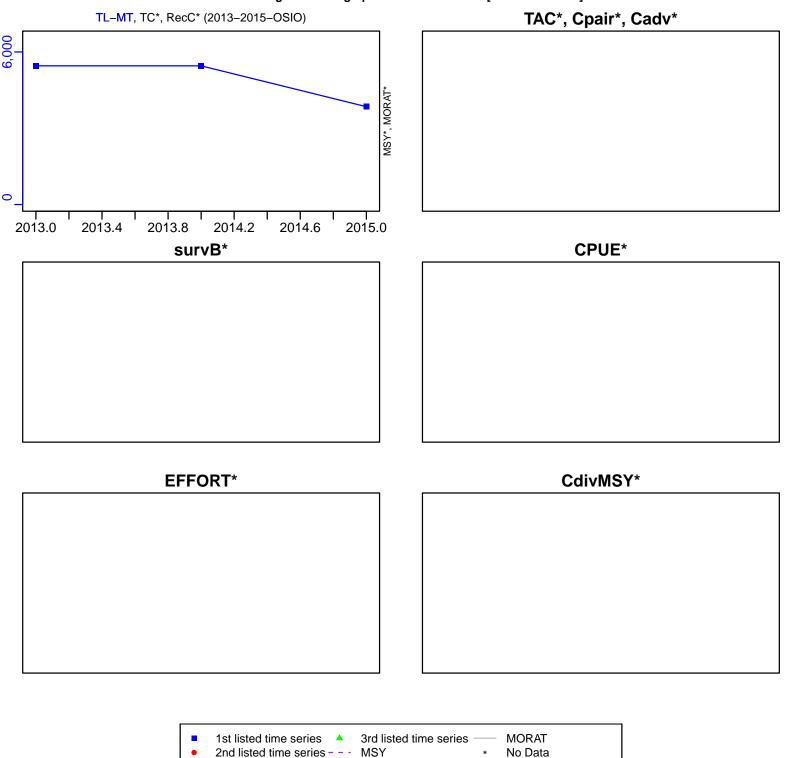
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2015	391	-	-
TN	-	-	-	-	-
R	R-E00	2015	1,270,000	-	-
F	F-1/yr	2015	0.45	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	3520		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	2.045		
ER/ERmgt	-	-	-		



Start Year • End Year \* No Data



## White anglerfish Geographical Sub-Areas 1-7 [WANGLGSA1-7]

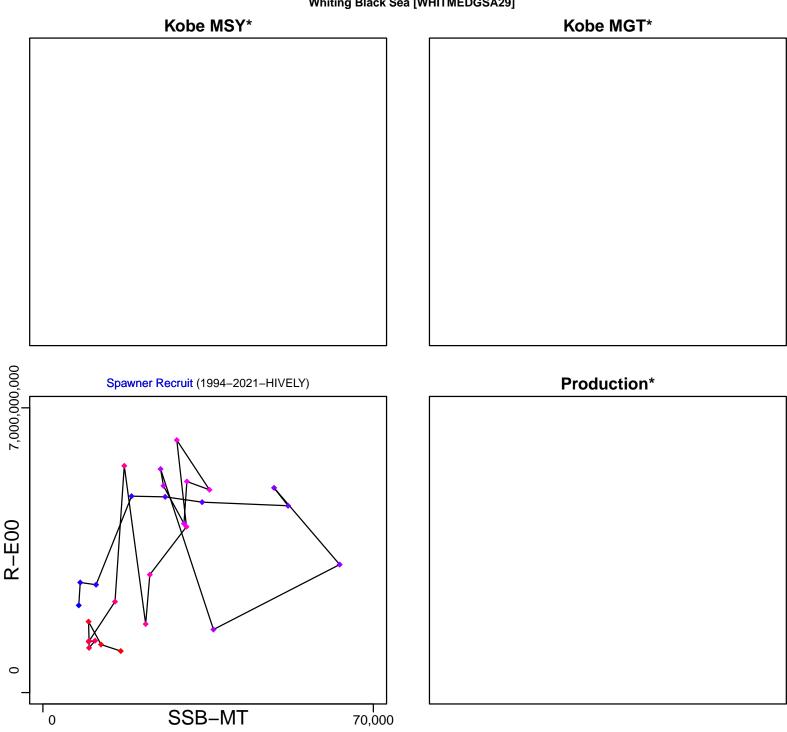


# Whiting Black Sea [WHITMEDGSA29]

Metadata		
Scientific Name	Merlangius merlangus	
Current Assess ID	SGSABS-WHITMEDGSA29-1994-2021-HIVELY	
Area Black Sea		
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states	
Assessor	Subregional Group on Stock Assessment for the Black Sea	
Asmts in RAM	2021, 2011, 2014, 2016	

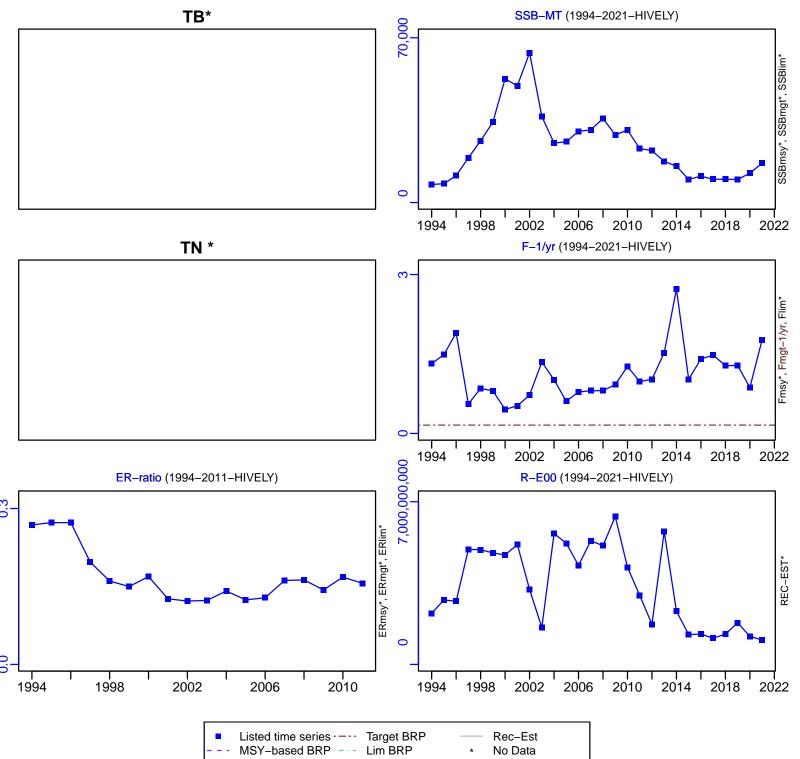
Reference Points				
Type ID Asmt Year Value				
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.63	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2021	0.15	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	M-1/yr	2011	0.46	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series							
Туре	Type ID Asmt Year   Curr Value   Sex   A						
ТВ	-	-	-	-	-		
SSB	SSB-MT	2021	16,497	-	-		
TN	-	-	-	-	-		
R	R-E00	2021	1,020,114,000	-	0		
F	F-1/yr	2021	1.685	-	-		
ER	ER-ratio	2011	0.146	-	-		
TC	TC-MT	2016	11,078				
TL	TL-MT	2021	10,039				
TB/TBmsy	-	-	-				
SSB/SSBmsy	-	-	-				
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	2.317				
ER/ERmsy	-	-	-				
TB/TBmgt	-	-	-				
SSB/SSBmgt	-	-	-				
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	11.234				
ER/ERmgt	-	-	-				



Start Year → End Year → No Data

#### Whiting Black Sea [WHITMEDGSA29]



## Whiting Black Sea [WHITMEDGSA29]

