# **South America Stocks**

v4.495 (Apr-21-2021)

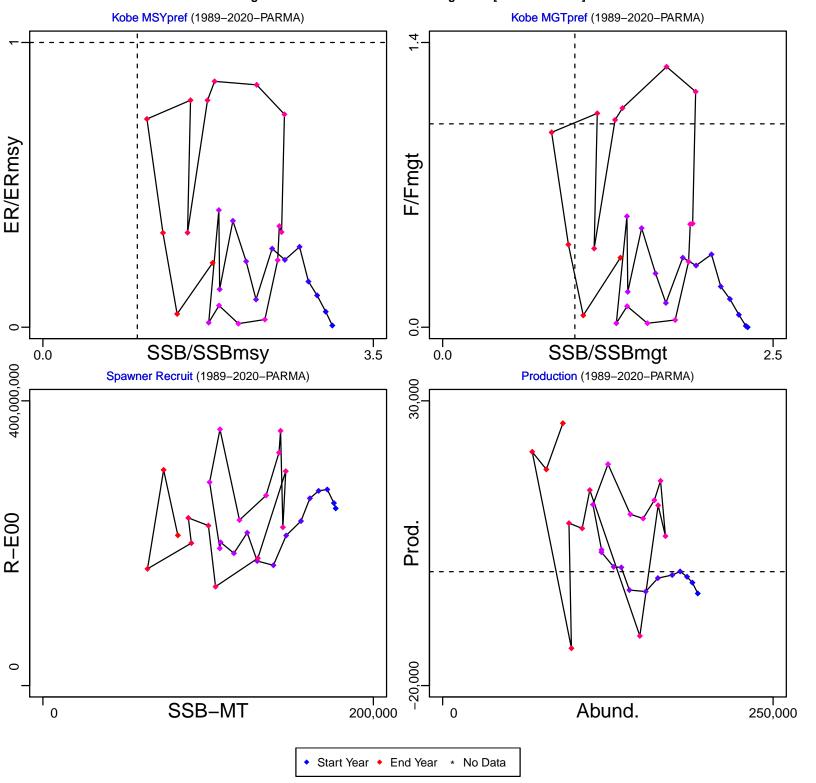
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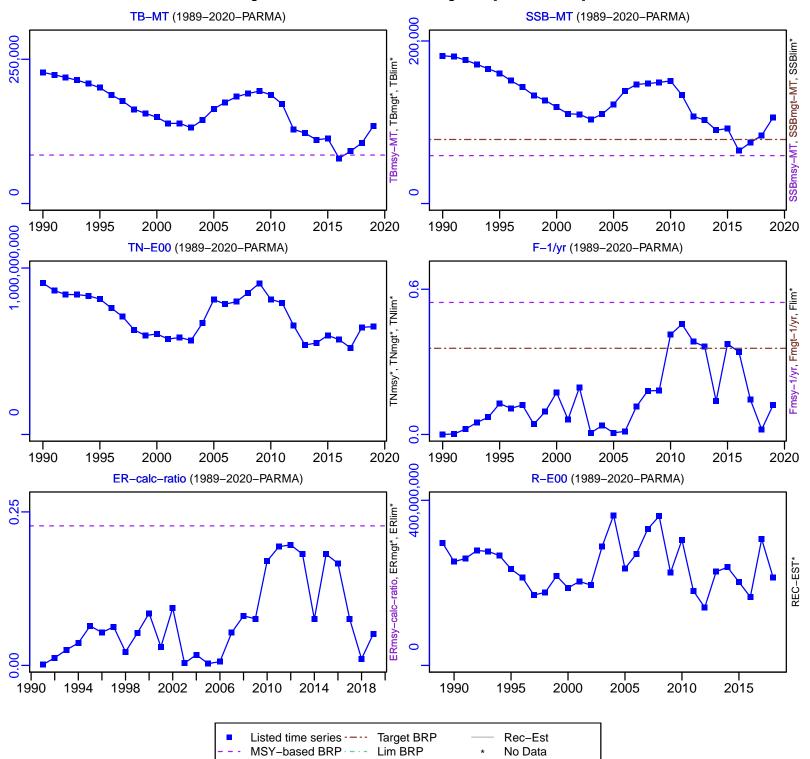
		Time Ser	ies Types	
Stock	B/Bmsy	U/Umsy		U/Umgt
ACMACKSARG [Argentine chub mackerel Southern Argentina]	TB SSB	ER F	TB SSB	ER F
2. AFLONCH [Alfonsino Chile]	TB SSB	ER F	TB SSB	ER F
3. ARGANCHONARG [Argentine anchoita Northern Argentina]	TB SSB	ER F	TB SSB	ER F
4. ARGANCHOSARG [Argentine anchoita Southern Argentina]	TB SSB	ER F	TB SSB	ER F
5. ARGHAKENARG [Argentine hake Northern Argentina]	TB SSB	ER F	TB SSB	ER F
6. ARGHAKESARG [Argentine hake Southern Argentina]	TB SSB	ER F	TB SSB	ER F
7. BSQLOBSTERCSCH [Yellow squat lobster Central-Southern Chile]	TB SSB	ER F	TB SSB	ER F
8. BSQLOBSTERNCH [Yellow squat lobster Northern Chile]	TB SSB	ER F	TB SSB	ER F
9. CHERRCHVX [Chilean herring Central-Southern Chile]	TB SSB	ER F	TB SSB	ER F
10. CHTRACCH [Chilean jack mackerel Chilean EEZ and offshore]	TB SSB	ER F	TB SSB	ER F
11. CSARDCSCH [Chilean sardine Central-Southern Chile]	TB SSB	ER F	TB SSB	ER F
12. NSHRIMPCSCH [Nylon shrimp Central-Southern Chile]	TB SSB	ER F	TB SSB	ER F
13. NSHRIMPNCH [Nylon shrimp Northern Chile]	TB SSB	ER F	TB SSB	ER F
14. OROUGHYCH [Orange roughy Chile]	TB SSB	ER F	TB SSB	ER F
15. PANCHCCH [Peruvian anchoveta Central Chile]	TB SSB	ER F	TB SSB	ER F
16. PANCHCSCH [Peruvian anchoveta Central-Southern Chile]	TB SSB	ER F	TB SSB	ER F
17. PANCHNCHSP [Peruvian anchoveta Northern Chile Southern Peru]	TB SSB	ER F	TB SSB	ER F
18. PANCHPERUNC [Peruvian anchoveta North-Central Peruvian coast]	TB SSB	ER F	TB SSB	ER F
19. PATCODARGS [Patagonian cod Southern Argentina]	TB SSB	ER F	TB SSB	ER F
20. PATGRENADIERCH [Patagonian grenadier Central-Southern Chile]	TB SSB	ER F	TB SSB	ER F
21. PATGRENADIERSARG [Patagonian grenadier Southern Argentina]	TB SSB	ER F	TB SSB	ER F
22. PCEELARGS [Pink cusk eel Southern Argentina]	TB SSB	ER F	TB SSB	ER F
23. PCEELCSCH [Pink cusk eel Central-Southern Chile]	TB SSB	ER F	TB SSB	ER F
24. PCEELSCH [Pink cusk eel Southern Chile]	TB SSB	ER F	TB SSB	ER F
25. PTOOTHFISHCH [Patagonian toothfish South Chile Argentina]	TB SSB	ER F	TB SSB	ER F
26. RSQLOBSTERCSCH [Red squat lobster Central-Southern Chile]	TB SSB	ER F	TB SSB	ER F
27. RSQLOBSTERNCH [Red squat lobster Northern Chile]	TB SSB	ER F	TB SSB	ER F
28. SBREAMCH [Deepwater cardinalfish Chile]	TB SSB	ER F	TB SSB	ER F
29. SBWHITARGS [Southern blue whiting Southern Argentina]	TB SSB	ER F	TB SSB	ER F
30. SBWHITCH [Southern blue whiting Central-Southern Chile]	TB SSB	ER F	TB SSB	ER F
31. SOUTHHAKECH [Southern hake Central-Southern Chile]	TB SSB	ER F	TB SSB	ER F
32. SPHAKECH [South Pacific hake Central-Southern Chile]	TB SSB	ER F	TB SSB	ER F
33. SSARDCH [Southern sardine Central-Southern Chile]	TB SSB	ER F	TB SSB	ER F
34. YNOSESKACSCH [Yellownose skate Central-Southern Chile]	TB SSB	ER F	TB SSB	ER F
35. YNOSESKASCH [Yellownose skate Southern Chile]	TB SSB	ER F	TB SSB	ER F

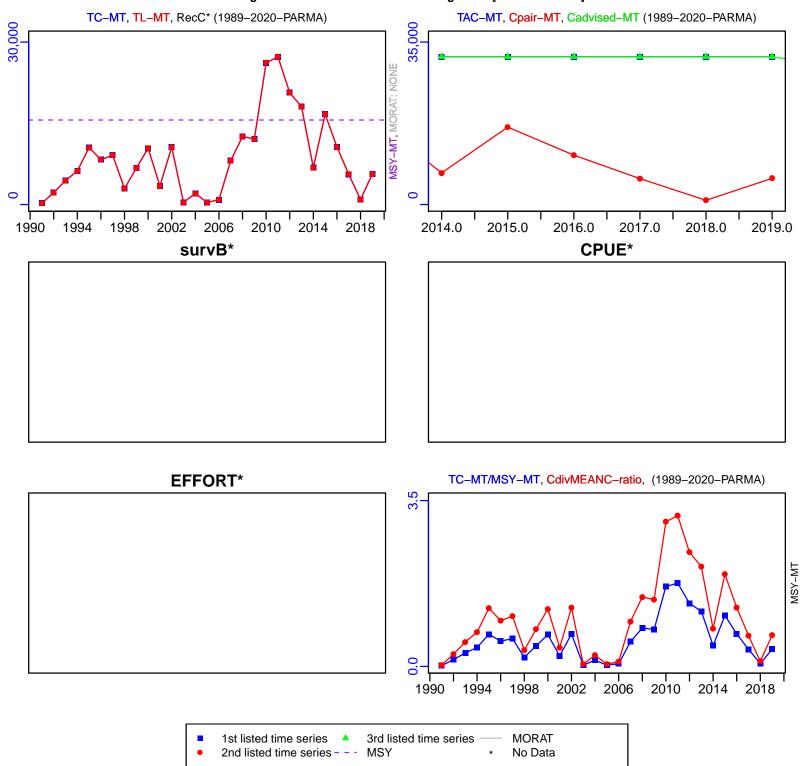
Metadata			
Scientific Name	Scomber colias		
Current Assess ID	INIDEP-ACMACKSARG-1989-2020-PARMA		
Area	Southern Argentina		
Management Authority	Consejo Federal Pesquero, Argentina national management		
Assessor	Instituto Nacional de Investigacion y Desarrollo Pesquero		
Asmts in RAM	2016, 2020		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-MT	2020	72,658	
SSBmsy	SSBmsy-MT	2020	57,455	
Fmsy	Fmsy-1/yr	2020	0.475	
ERmsy	ERmsy-calc-ratio	2020	0.209	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2020	76,800	
Fmgt	Fmgt-1/yr	2020	0.31	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2020	15,200	
М	M-1/yr	2020	0.38	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	59,000	
Flim	Flim-1/yr	2016	0.81	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2020	116,131	Both	10-Jan
SSB	SSB-MT	2020	103,295	Both	10-Jan
TN	TN-E00	2020	646,680,519	Both	10-Jan
R	R-E00	2020	211,084,354	Both	1
F	F-1/yr	2020	0.106	Both	10-Jul
ER	ER-calc-ratio	2020	0.047	-	-
TC	TC-MT	2020	5494		
TL	TL-MT	2020	5494		
TB/TBmsy	TB-MT/TBmsy-MT	2020	1.598		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2020	1.798		
F/Fmsy	F-1/yr/Fmsy-1/yr	2020	0.223		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2020	0.226		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2020	1.345		
F/Fmgt	F-1/yr/Fmgt-1/yr	2020	0.342		
ER/ERmgt	-	-	-		





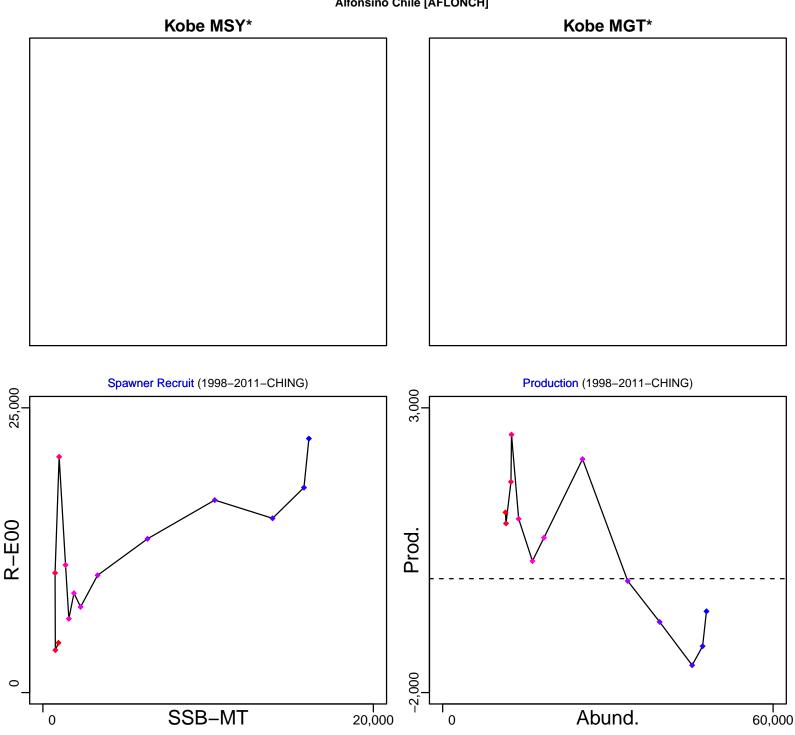


# Alfonsino Chile [AFLONCH]

Metadata			
Scientific Name	Beryx splendens		
Current Assess ID	SPRFMO-AFLONCH-1998-2011-CHING		
Area	Chile		
Management Authority	South Pacific Regional Fisheries Management Organization		
Assessor	South Pacific Regional Fisheries Management Organization		
Asmts in RAM	2011		

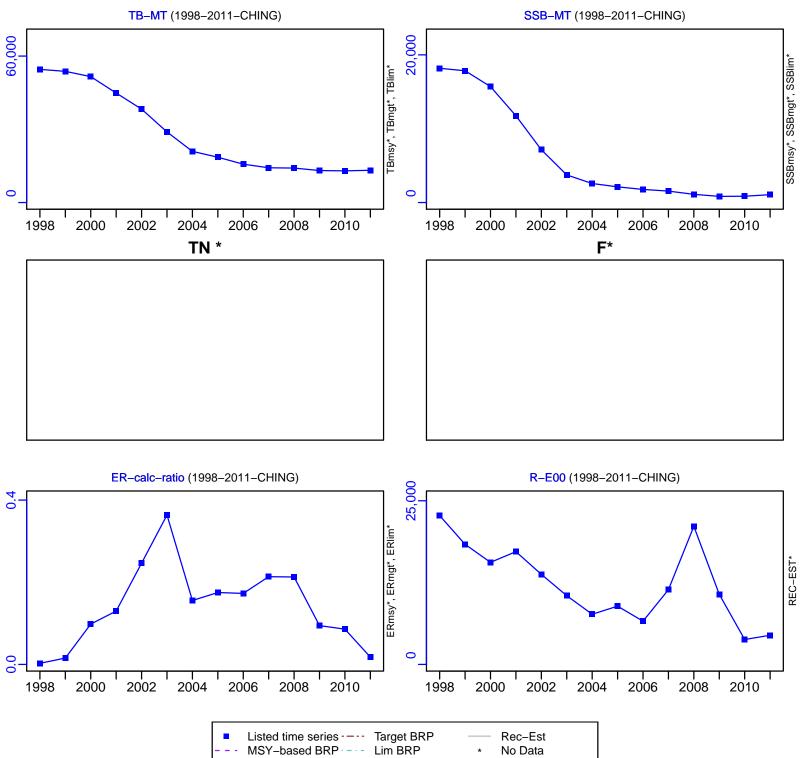
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2011	11,600	-	-
SSB	SSB-MT	2011	944	-	-
TN	-	-	-	-	-
R	R-E00	2011	4370	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2011	0.018	-	-
TC	-	-	-		
TL	TL-MT	2011	204		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

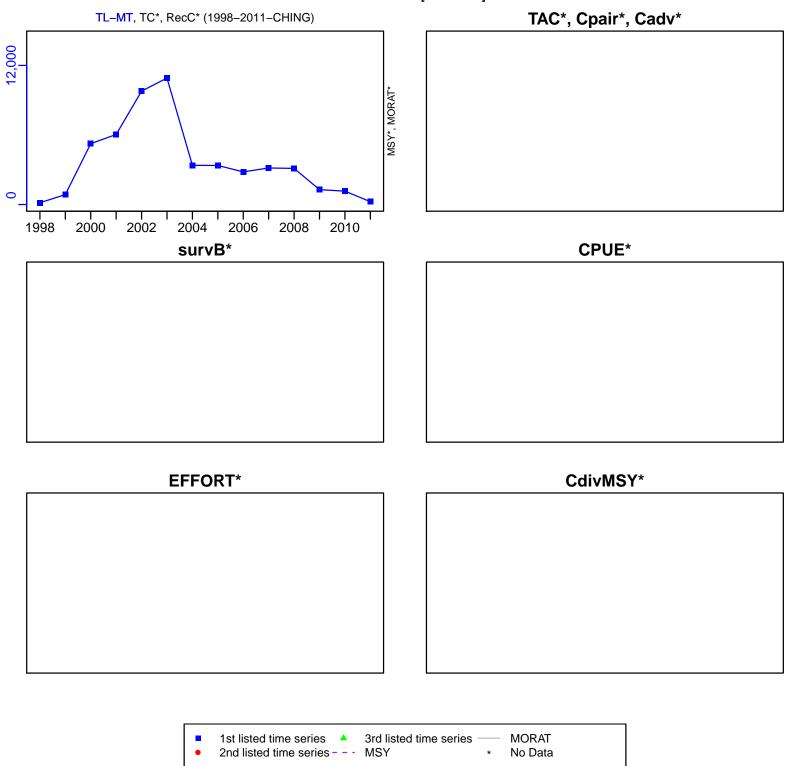


Start Year → End Year → No Data

## Alfonsino Chile [AFLONCH]



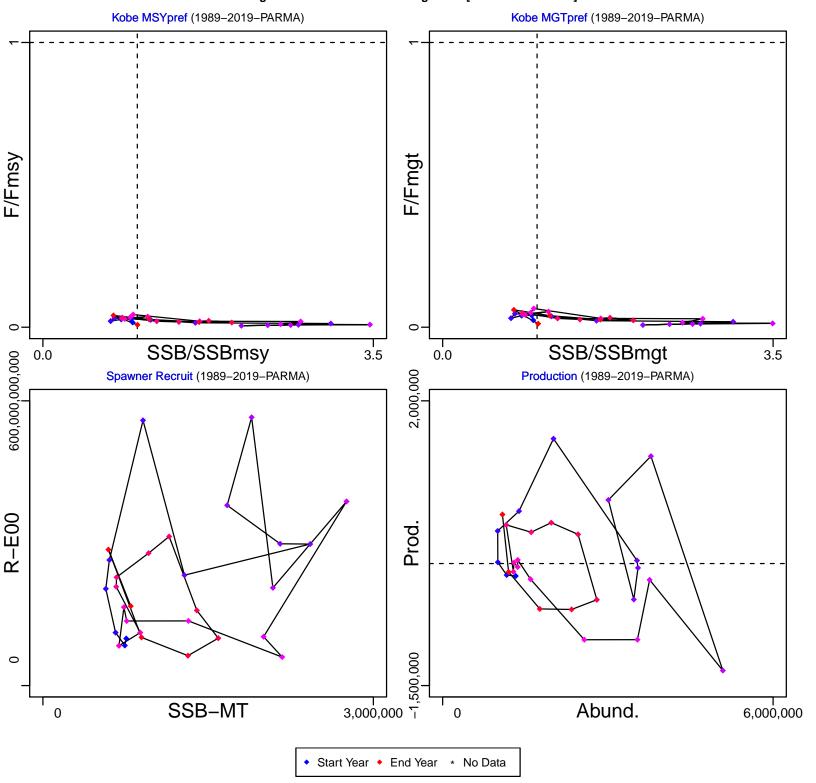
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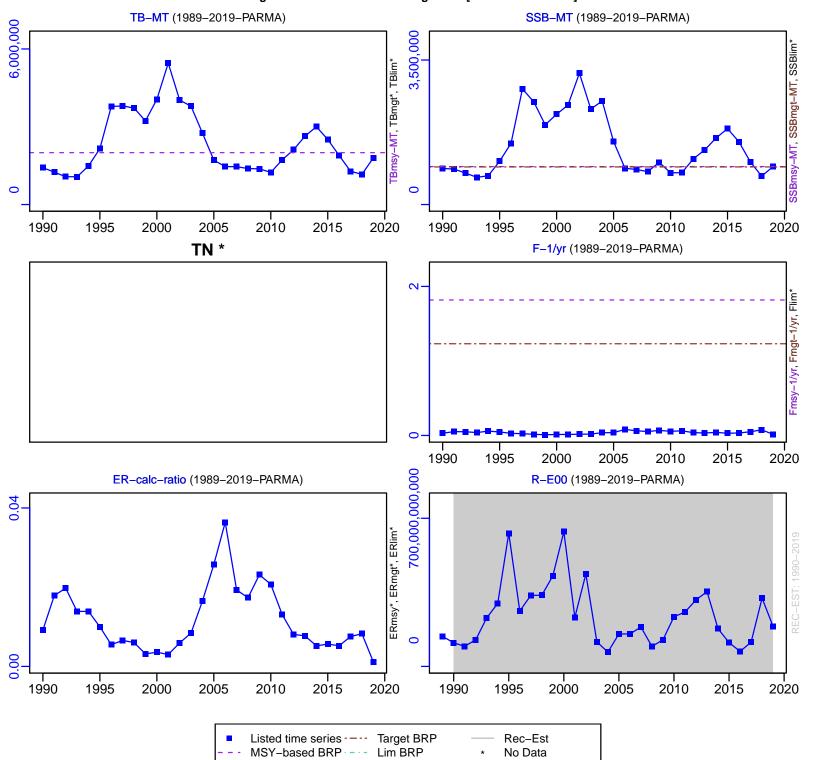


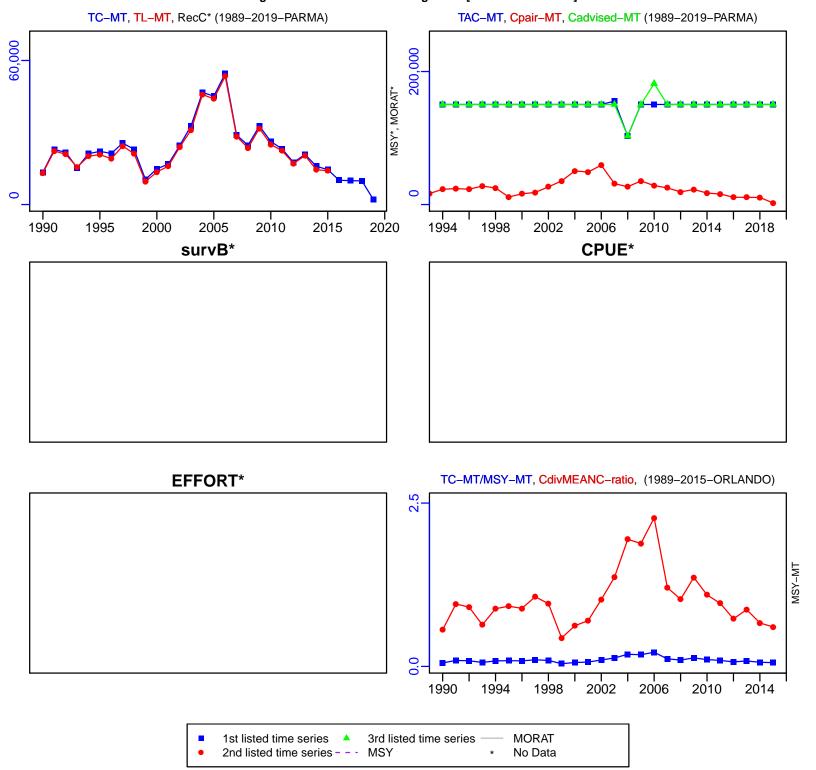
Metadata			
Scientific Name	Engraulis anchoita		
Current Assess ID	INIDEP-ARGANCHONARG-1989-2019-PARMA		
Area	Northern Argentina		
Management Authority	Consejo Federal Pesquero, Argentina national management		
Assessor	Instituto Nacional de Investigacion y Desarrollo Pesquero		
Asmts in RAM	2007, 2015, 2016, 2019		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-MT	2019	1,866,031	
SSBmsy	SSBmsy-MT	2019	795,744	
Fmsy	Fmsy-1/yr	2019	1.625	
ERmsy	ERmsy-ratio	2007	0.405	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2019	788,664	
Fmgt	Fmgt-1/yr	2019	1.1	
ERmgt	-	-	-	
TB0	TB0-MT	2016	3,370,285	
SSB0	SSB0-MT	2016	2,196,036	
MSY	MSY-MT	2015	222,163	
M	M-1/yr	2019	1.01	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	293,000	
Flim	Flim-1/yr	2016	4.4	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2019	1,679,482	Both	1+
SSB	SSB-MT	2019	797,357	Both	2+
TN	-	-	-	-	-
R	R-E00	2019	167,483,492,126	Both	1
F	F-1/yr	2019	0.014	Both	6
ER	ER-calc-ratio	2019	0.001	-	-
TC	TC-MT	2019	1815		
TL	TL-MT	2019	12,130		
TB/TBmsy	TB-MT/TBmsy-MT	2019	0.9		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2019	1.002		
F/Fmsy	F-1/yr/Fmsy-1/yr	2019	0.008		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	0.053		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2019	1.011		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	0.012		
ER/ERmgt	-	-	-		



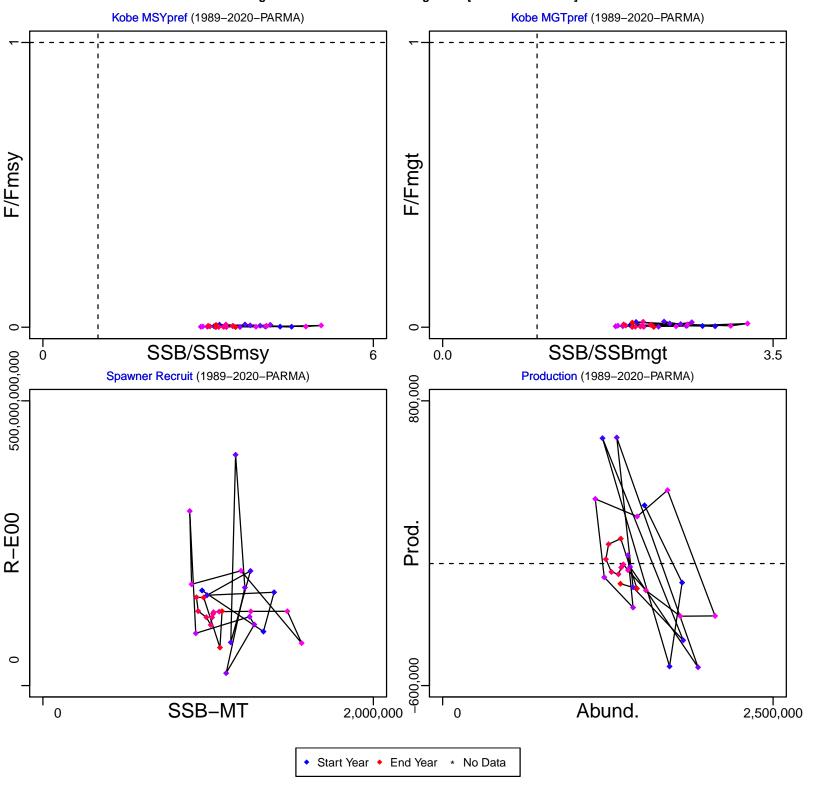


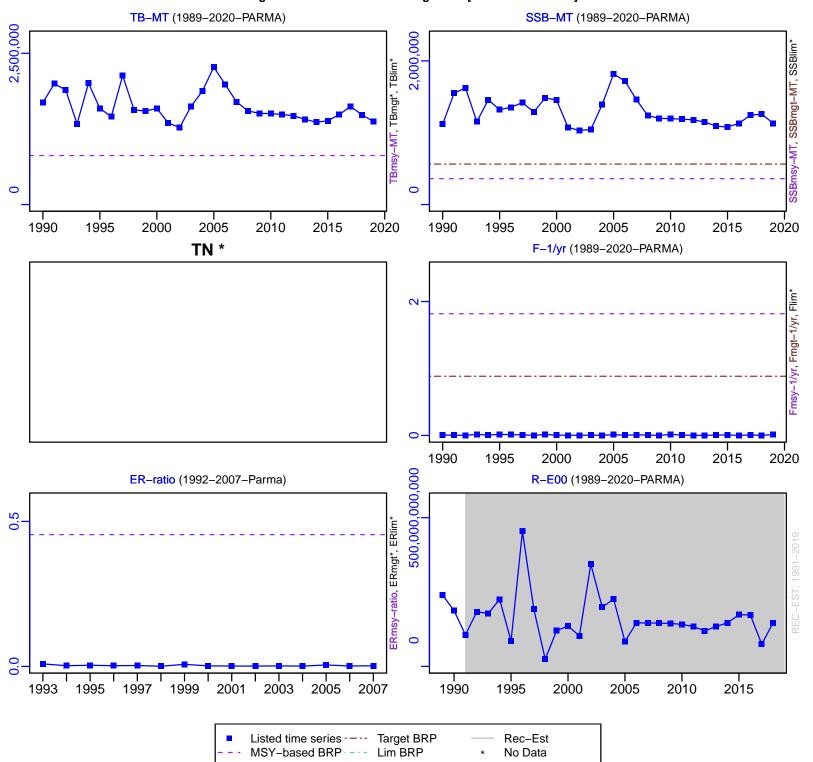


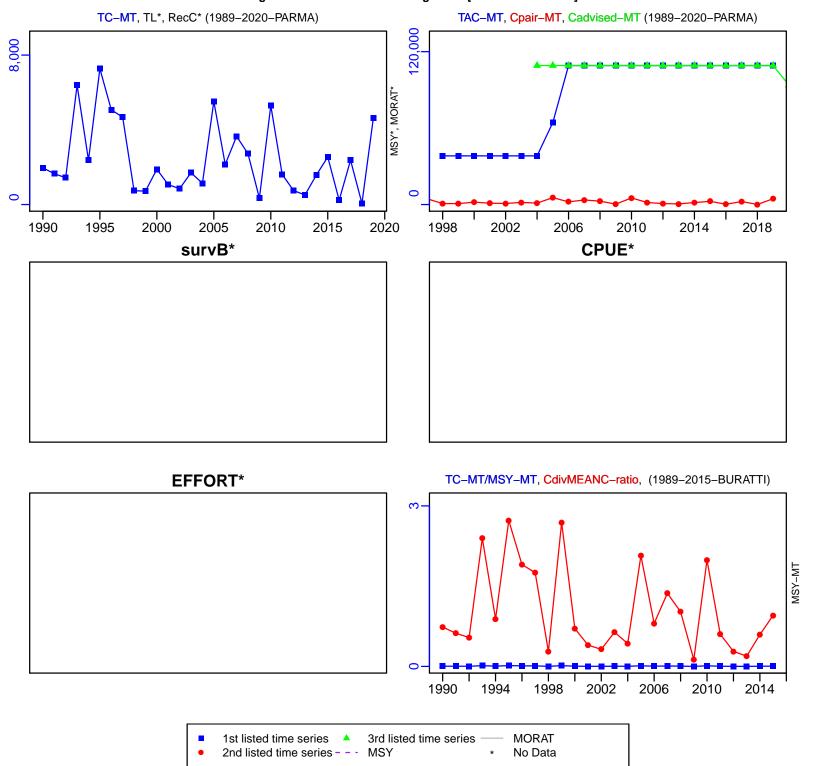
Metadata			
Scientific Name	Engraulis anchoita		
Current Assess ID	INIDEP-ARGANCHOSARG-1989-2020-PARMA		
Area	Southern Argentina		
Management Authority	Consejo Federal Pesquero, Argentina national management		
Assessor	Instituto Nacional de Investigacion y Desarrollo Pesquero		
Asmts in RAM	2015, 2020, 2007		

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-MT	2020	734,669		
SSBmsy	SSBmsy-MT	2020	309,895		
Fmsy	Fmsy-1/yr	2020	1.46		
ERmsy	ERmsy-ratio	2007	0.395		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2020	484,937		
Fmgt	Fmgt-1/yr	2020	0.71		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	MSY-MT	2015	454,000		
М	M-1/yr	2020	0.98		
TBlim	TBlim-MT	2007	350,000		
SSBlim	SSBlim-MT	2015	339,700		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2020	1,245,613	Both	1+
SSB	SSB-MT	2020	974,089	Both	1+
TN	-	-	-	-	-
R	R-E00	2020	130,555,866,339	Both	1
F	F-1/yr	2020	0.011	Both	6
ER	ER-calc-ratio	2020	0.003	-	-
TC	TC-MT	2020	4146		
TL	TL-MT	2015	2280		
TB/TBmsy	TB-MT/TBmsy-MT	2020	1.695		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2020	3.143		
F/Fmsy	F-1/yr/Fmsy-1/yr	2020	0.008		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	0.005		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2020	2.009		
F/Fmgt	F-1/yr/Fmgt-1/yr	2020	0.016		
ER/ERmgt	-	-	-		



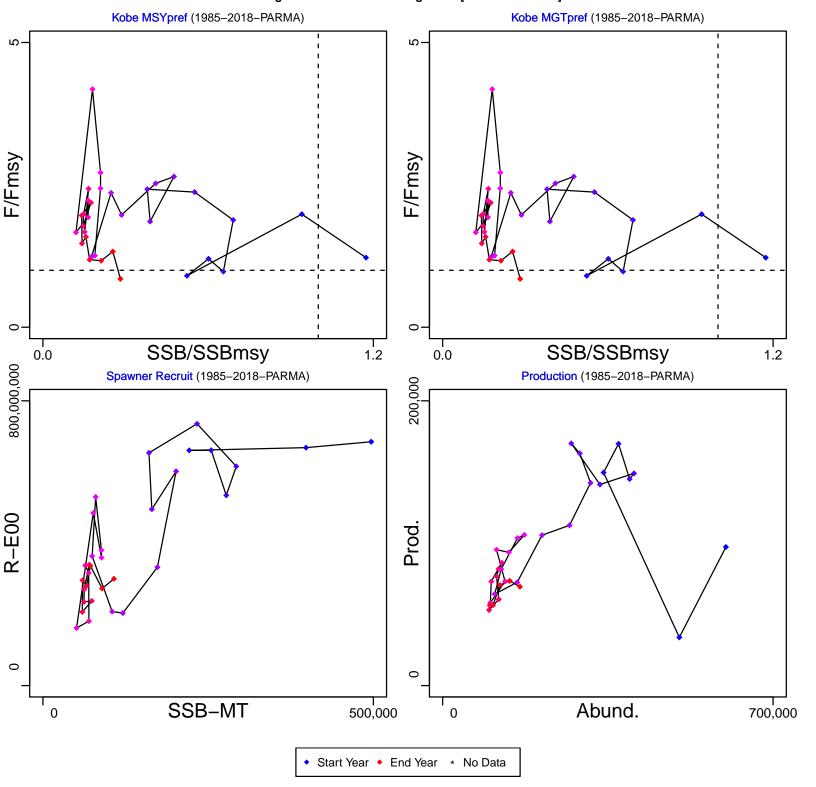


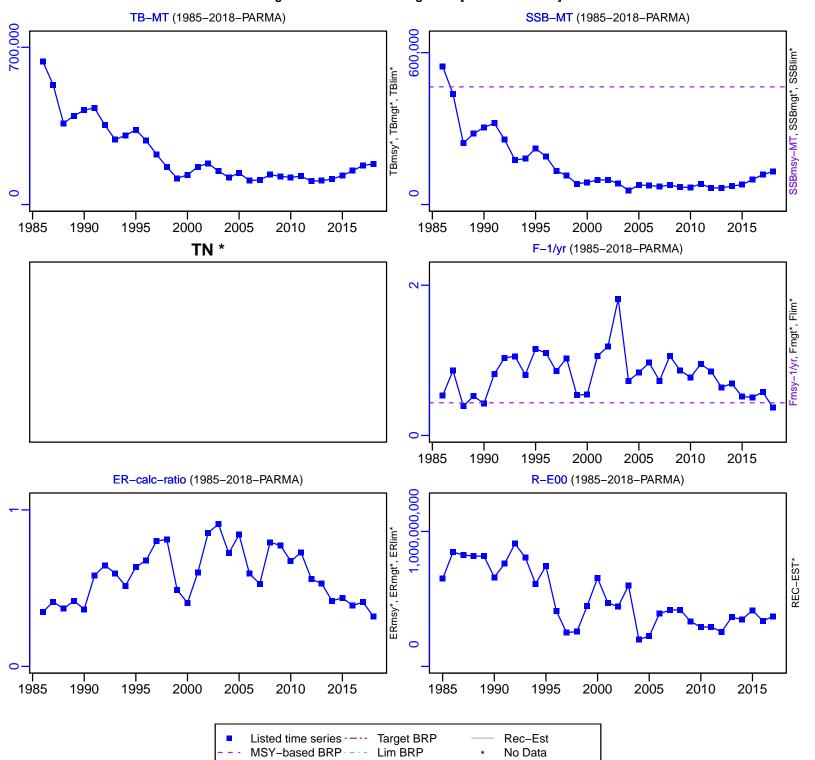


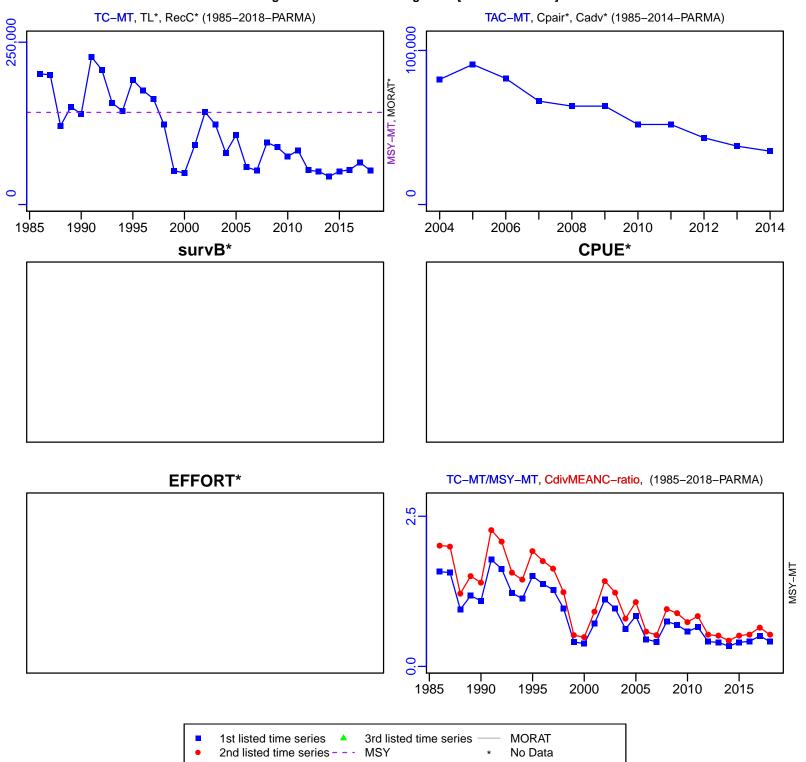
Metadata				
Scientific Name	Merluccius hubbsi			
Current Assess ID INIDEP-ARGHAKENARG-1985-2018-PARMA				
Area	Northern Argentina			
Management Authority	Consejo Federal Pesquero, Argentina national management			
Assessor	Instituto Nacional de Investigacion y Desarrollo Pesquero			
Asmts in RAM	2014, 2018, 2011			

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-MT	2018	423,330		
Fmsy	Fmsy-1/yr	2018	0.392		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	MSY-MT	2018	138,112		
M	M-1/yr	2018	0.3		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2014	230,000		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2018	170,125	Both	-
SSB	SSB-MT	2018	119,165	Both	-
TN	-	-	-	-	-
R	R-E00	2018	300,085,000	-	-
F	F-1/yr	2018	0.333	Both	6-Mar
ER	ER-calc-ratio	2018	0.3	-	-
TC	TC-MT	2018	51,099		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2018	0.281		
F/Fmsy	F-1/yr/Fmsy-1/yr	2018	0.849		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



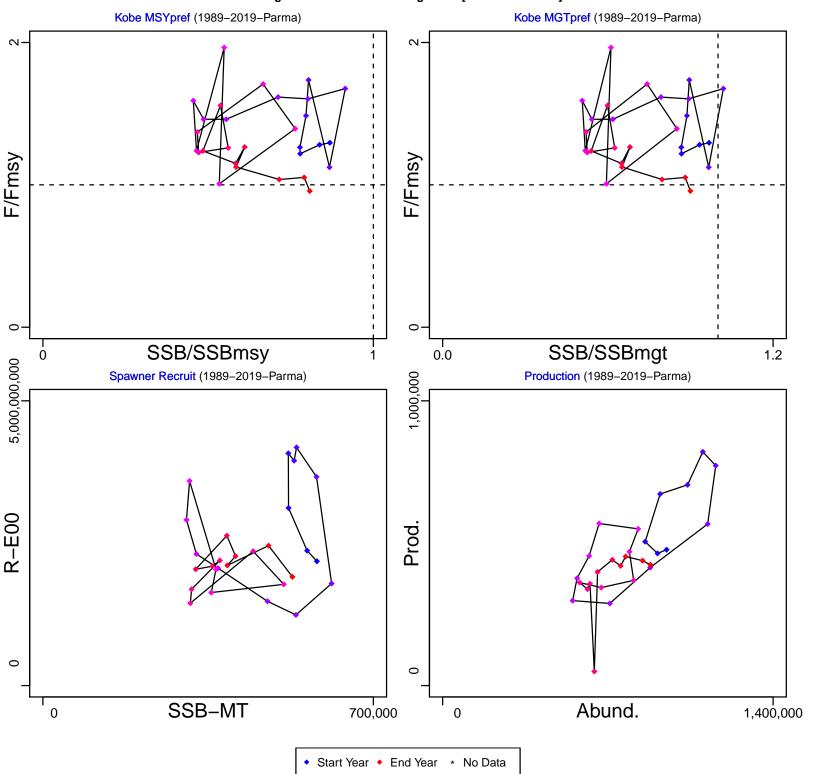


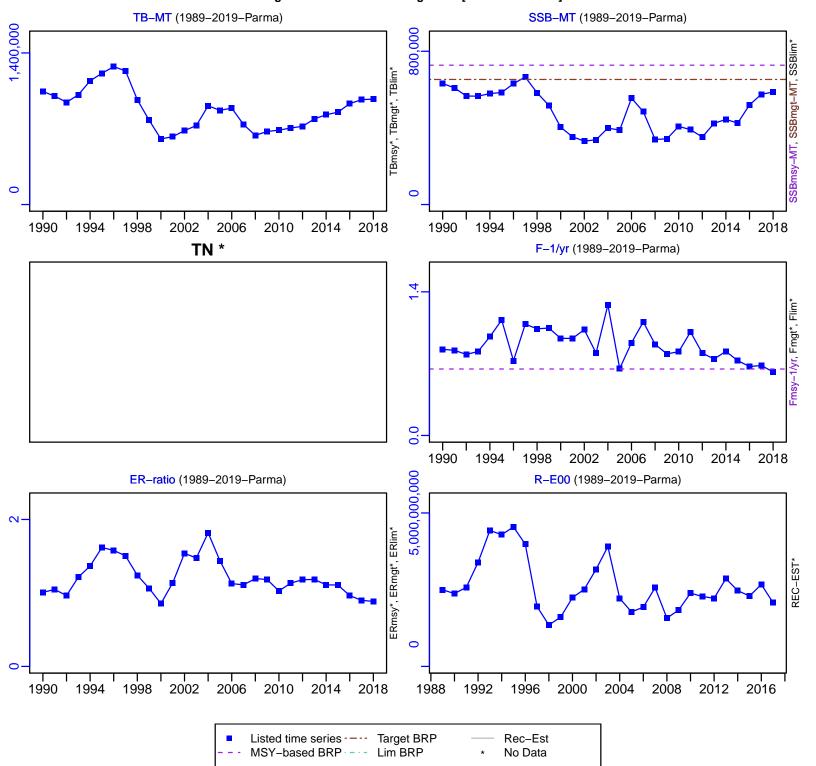


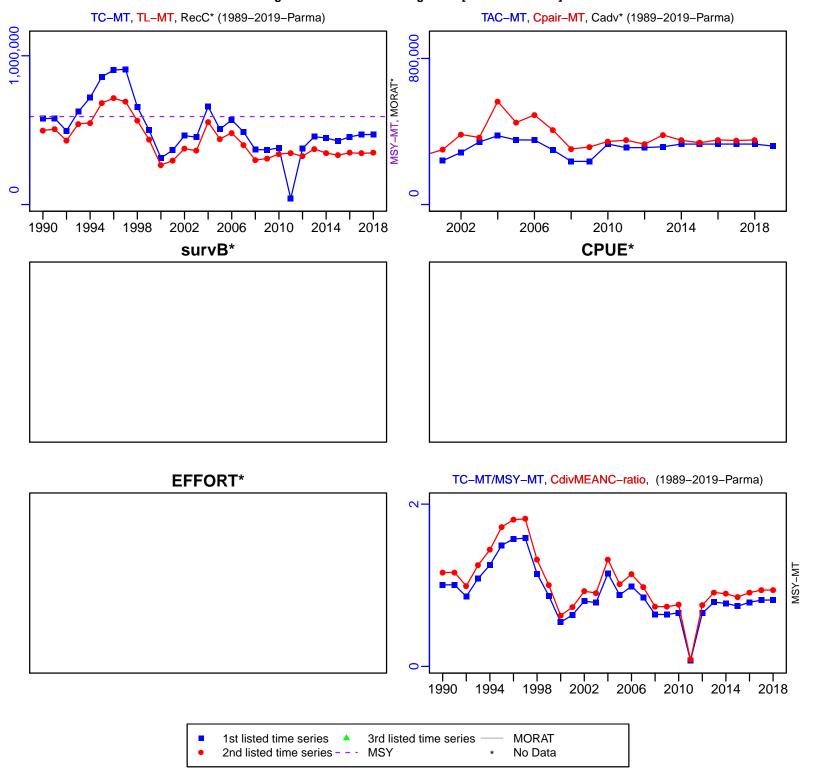
Metadata				
Scientific Name	Merluccius hubbsi			
Current Assess ID	INIDEP-ARGHAKESARG-1989-2019-Parma			
Area	Southern Argentina			
Management Authority	Consejo Federal Pesquero, Argentina national management			
Assessor	Instituto Nacional de Investigacion y Desarrollo Pesquero			
Asmts in RAM	2015, 2019, 2011			

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2019	668,386	
Fmsy	Fmsy-1/yr	2019	0.558	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2019	$6 \times 10^5$	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2019	527,521	
М	M-1/yr	2019	0.3	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2019	885,210	-	-
SSB	SSB-MT	2019	539,759	-	-
TN	-	-	-	-	-
R	R-E00	2019	1,909,620,000	-	1
F	F-1/yr	2019	0.534	Both	6-Mar
ER	ER-ratio	2019	0.779	Both	-
TC	TC-MT	2019	420,278		
TL	TL-MT	2019	309,862		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2019	0.808		
F/Fmsy	F-1/yr/Fmsy-1/yr	2019	0.957		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2019	0.9		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



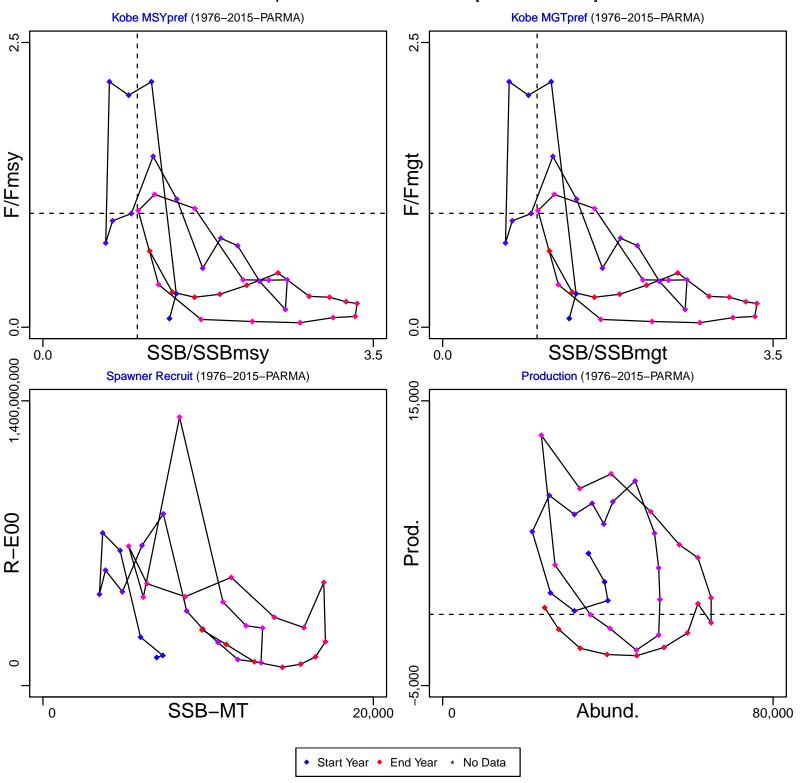


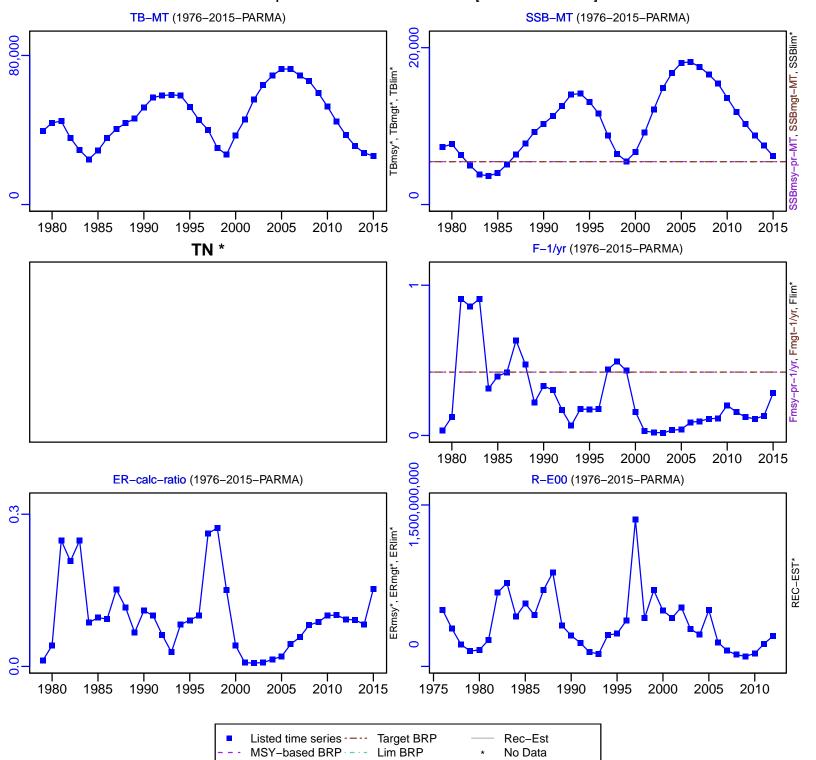


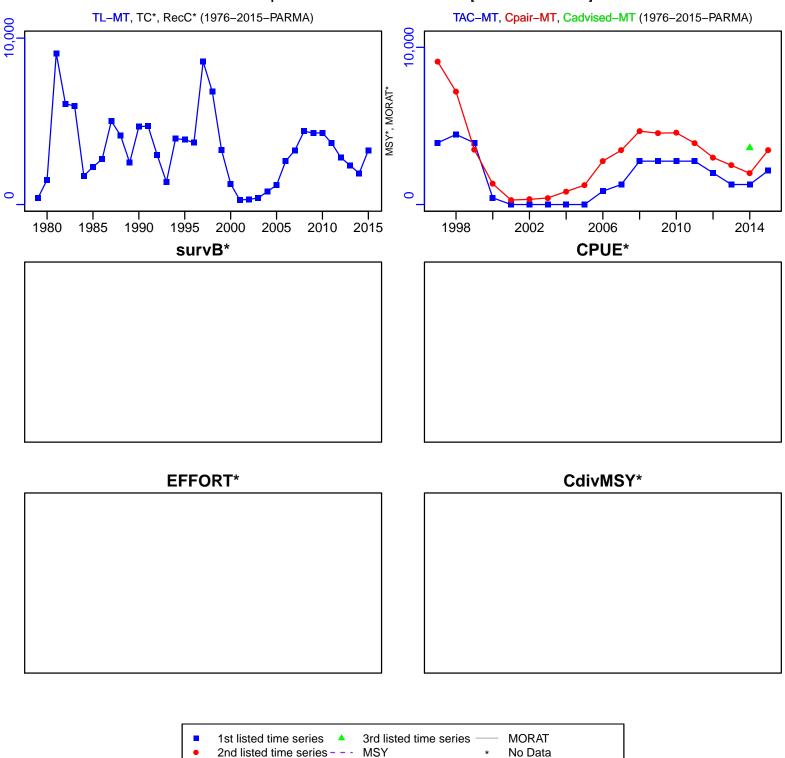
Metadata				
Scientific Name	Cervimunida johni			
Current Assess ID	IFOPCH-BSQLOBSTERCSCH-1976-2015-PARMA			
Area	Central-Southern Chile			
Management Authority	Subsecretaria de Pesca			
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute			
Asmts in RAM	2015			

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-pr-MT	2015	5139	
Fmsy	Fmsy-pr-1/yr	2015	0.38	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2015	5139	
Fmgt	Fmgt-1/yr	2015	0.38	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	M-1/yr	2015	0.3	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	23,300	-	-
SSB	SSB-MT	2015	5810	Females	-
TN	-	-	-	-	-
R	R-E00	2015	$2.74 \times 10^{8}$	-	3
F	F-1/yr	2015	0.254	-	-
ER	ER-calc-ratio	2015	0.139	-	-
TC	-	-	-		
TL	TL-MT	2015	3250		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2015	1.131		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2015	0.668		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	1.131		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.668		
ER/ERmgt	-	-	-		



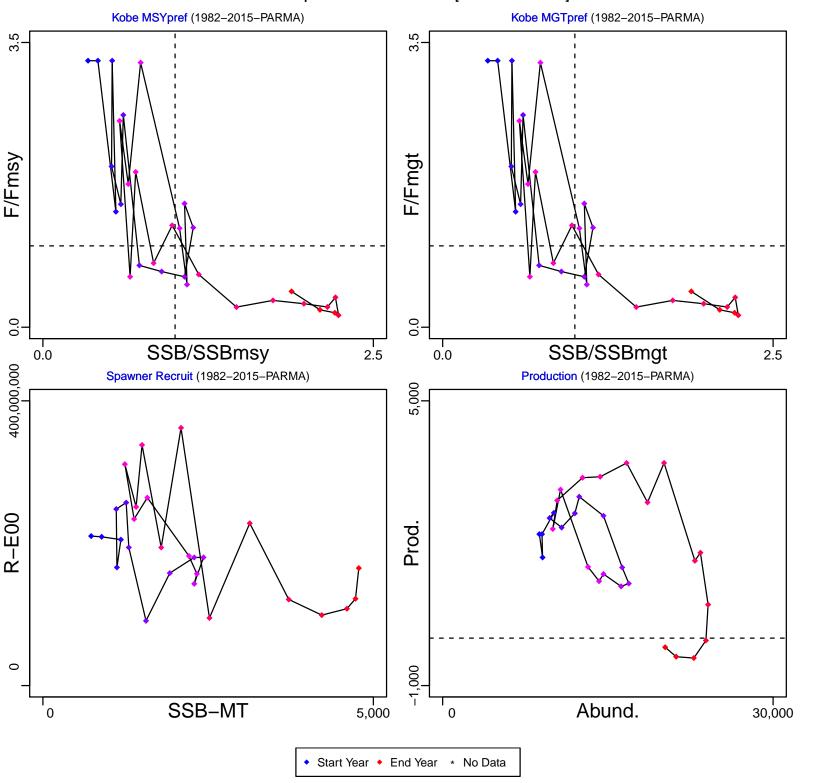


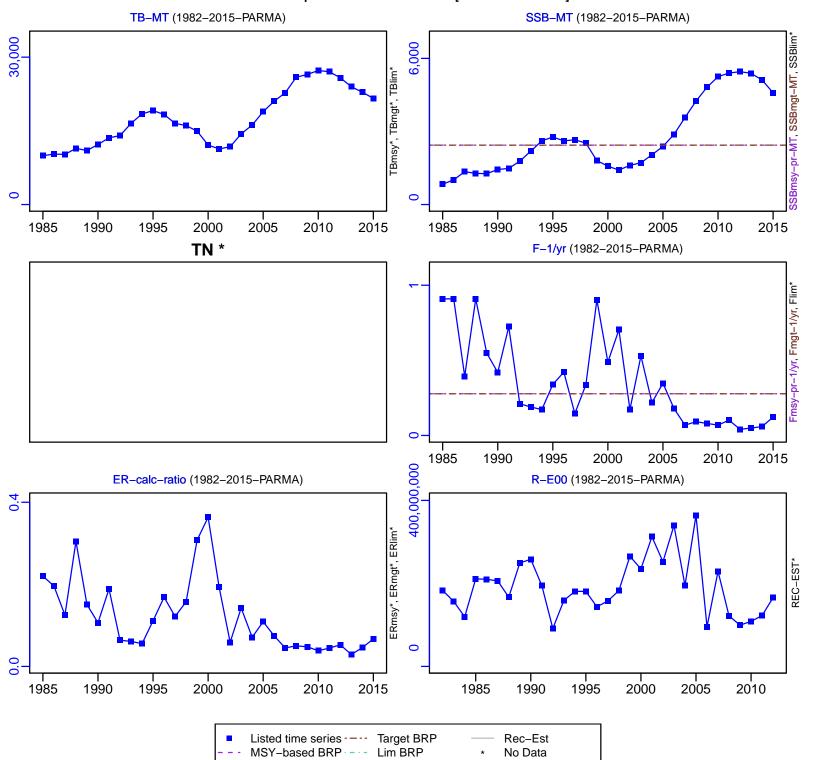


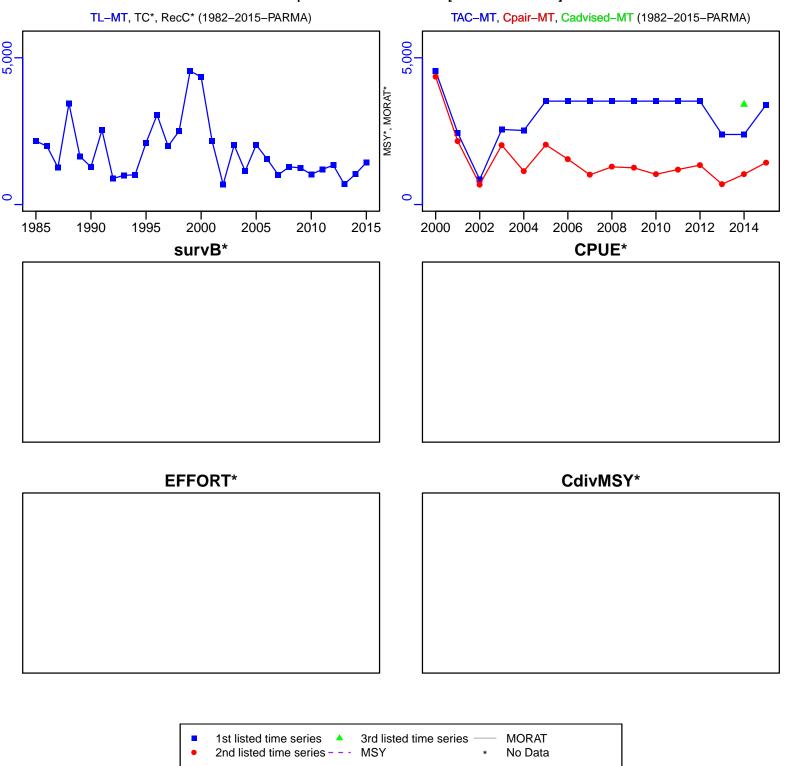
Metadata				
Scientific Name	Cervimunida johni			
Current Assess ID	IFOPCH-BSQLOBSTERNCH-1982-2015-PARMA			
Area	Northern Chile			
Management Authority	Subsecretaria de Pesca			
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute			
Asmts in RAM	2015			

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-pr-MT	2015	2137	
Fmsy	Fmsy-pr-1/yr	2015	0.25	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2015	2137	
Fmgt	Fmgt-1/yr	2015	0.25	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	M-1/yr	2015	0.3	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	TB-MT	2015	19,100	-	-	
SSB	SSB-MT	2015	4020	Females	-	
TN	-	-	-	-	-	
R	R-E00	2015	$1.65 \times 10^{8}$	-	3	
F	F-1/yr	2015	0.11	-	-	
ER	ER-calc-ratio	2015	0.066	-	-	
TC	-	-	-			
TL	TL-MT	2015	1260			
TB/TBmsy	-	-	-			
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2015	1.881			
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2015	0.44			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	1.881			
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.44			
ER/ERmgt	-	-	-			





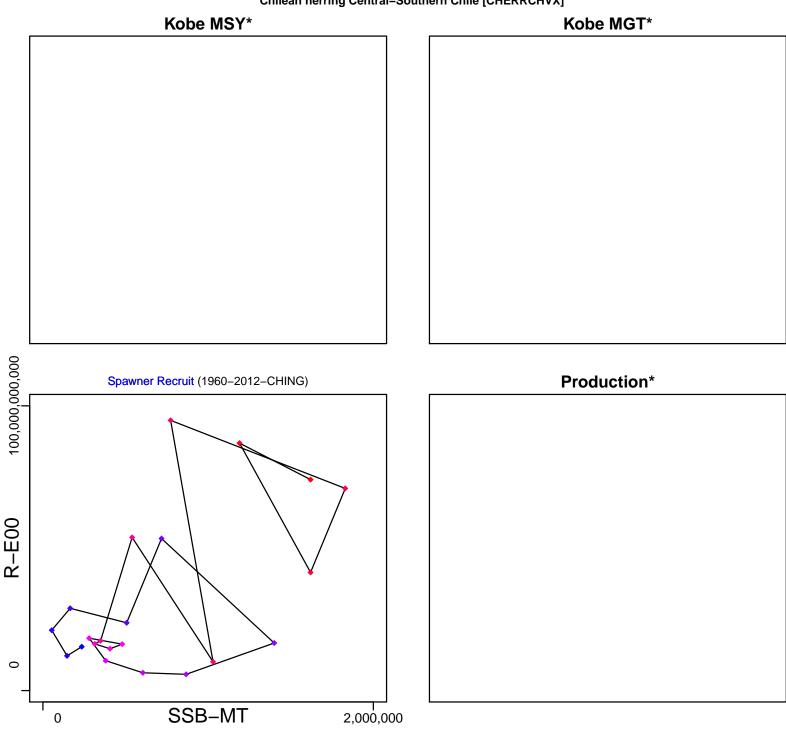


# Chilean herring Central-Southern Chile [CHERRCHVX]

Metadata				
Scientific Name Clupea bentincki				
Current Assess ID	IFOPCH-CHERRCHVX-1960-2012-CHING			
Area	Central-Southern Chile			
Management Authority	Subsecretaria de Pesca			
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute			
Asmts in RAM	2012			

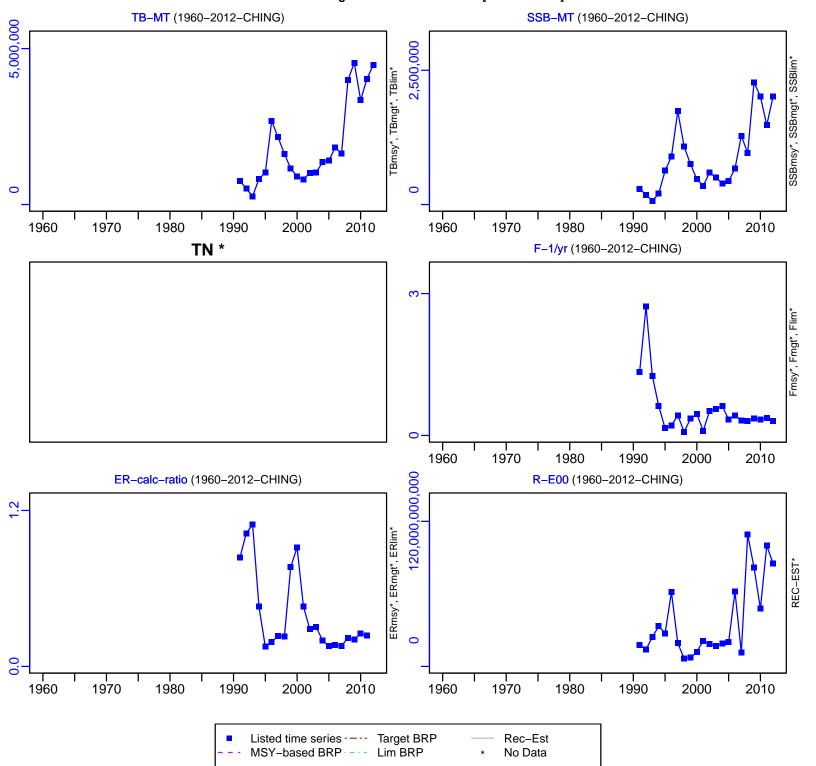
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series							
Туре	ID	Asmt Year	Curr Value	Sex	Age		
ТВ	TB-MT	2012	4,190,000	-	-		
SSB	SSB-MT	2012	1,620,000	-	-		
TN	-	-	-	-	-		
R	R-E00	2012	$7.41 \times 10^{10}$	-	-		
F	F-1/yr	2012	0.262	-	-		
ER	ER-calc-ratio	2012	0.221	-	-		
TC	-	-	-				
TL	TL-MT	2012	833,000	]			
TB/TBmsy	-	-	-	]			
SSB/SSBmsy	-	-	-				
F/Fmsy	-	-	-				
ER/ERmsy	-	-	-				
TB/TBmgt	-	-	-				
SSB/SSBmgt	-	-	-				
F/Fmgt	-	-	-				
ER/ERmgt	-	-	-				

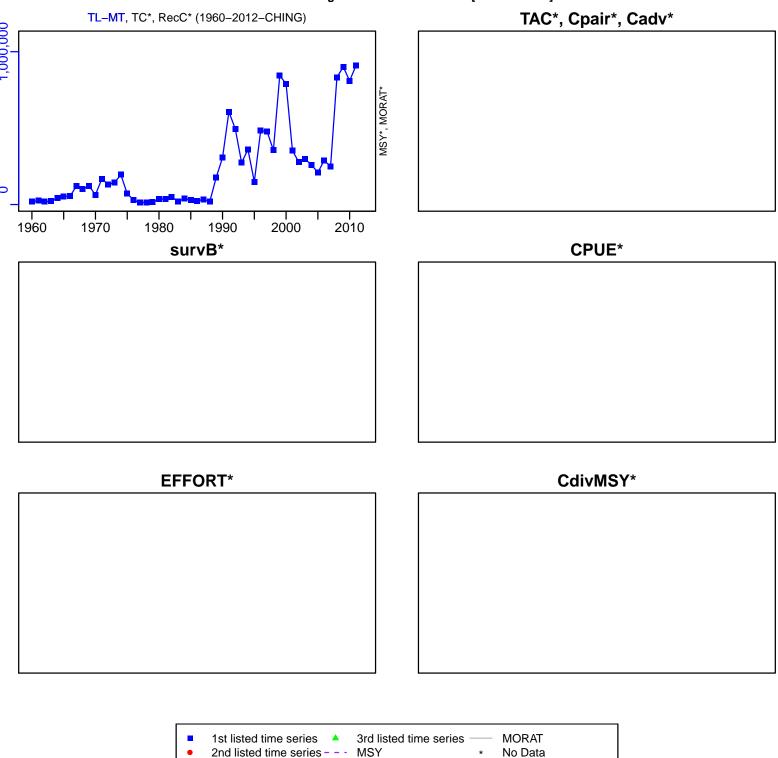


Start Year ◆ End Year \* No Data

#### Chilean herring Central-Southern Chile [CHERRCHVX]



## Chilean herring Central-Southern Chile [CHERRCHVX]

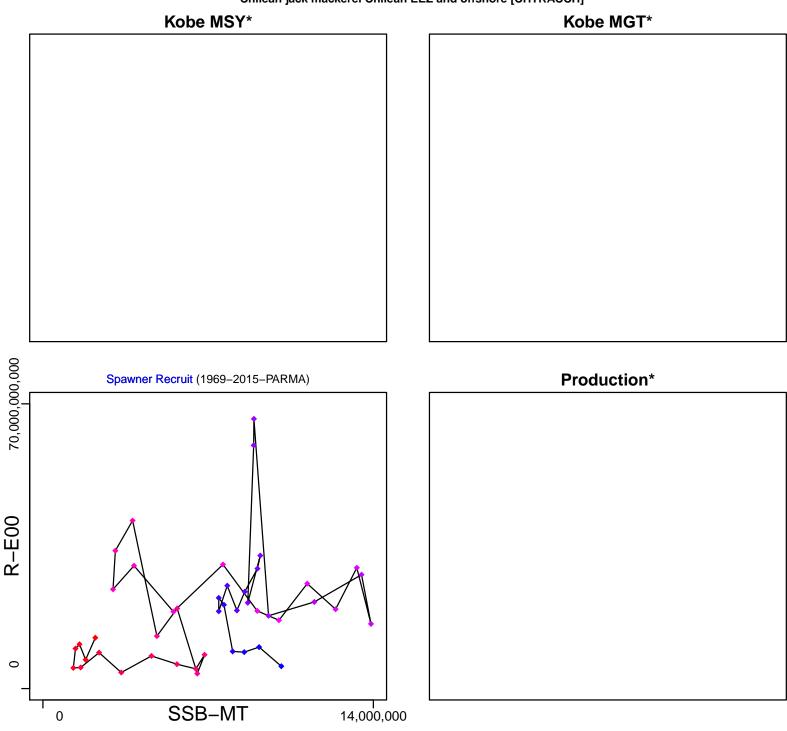


# Chilean jack mackerel Chilean EEZ and offshore [CHTRACCH]

Metadata			
Scientific Name	Trachurus murphyi		
Current Assess ID SPRFMO-CHTRACCH-1969-2015-PARMA			
Area Chilean EEZ and offshore			
Management Authority	South Pacific Regional Fisheries Management Organization		
Assessor	South Pacific Regional Fisheries Management Organization		
Asmts in RAM	2010, 2015		

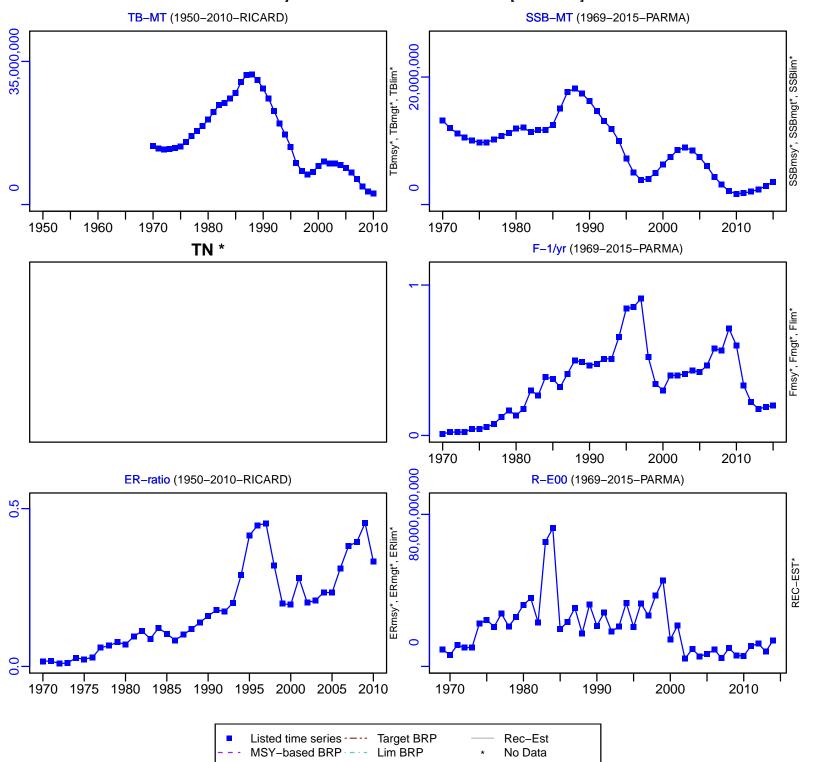
	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	M-1/yr	2015	0.23		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2010	2,360,000	-	-
SSB	SSB-MT	2015	2,720,000	-	-
TN	-	-	-	-	-
R	R-E00	2015	$1.25 \times 10^{10}$	-	1
F	F-1/yr	2015	0.18	-	1 to 12
ER	ER-ratio	2010	0.315	-	-
TC	TC-MT	2015	434,000		
TL	TL-MT	2015	434,000	]	
TB/TBmsy	-	-	-	]	
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

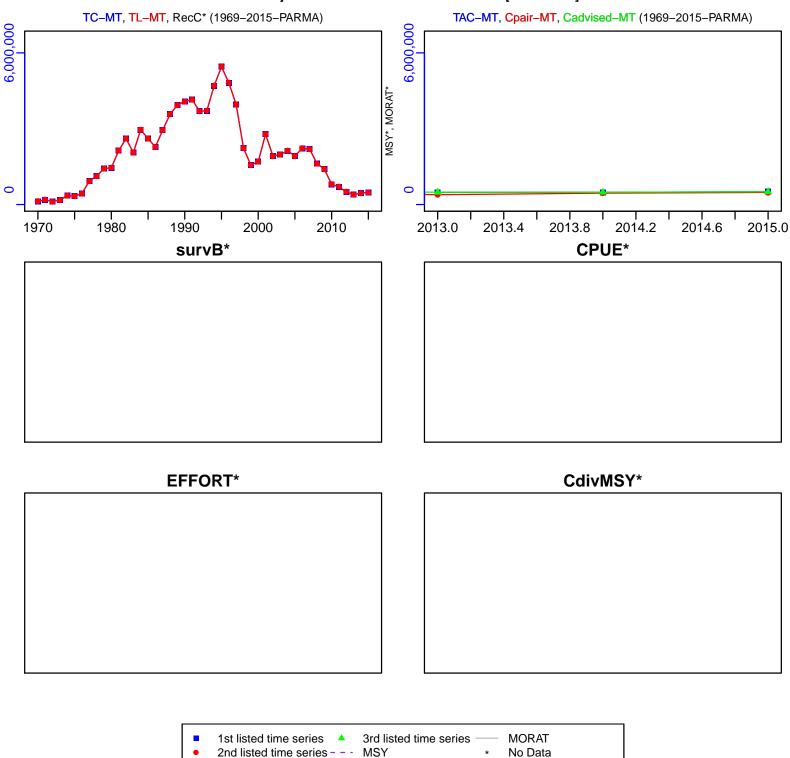


Start Year • End Year • No Data

#### Chilean jack mackerel Chilean EEZ and offshore [CHTRACCH]



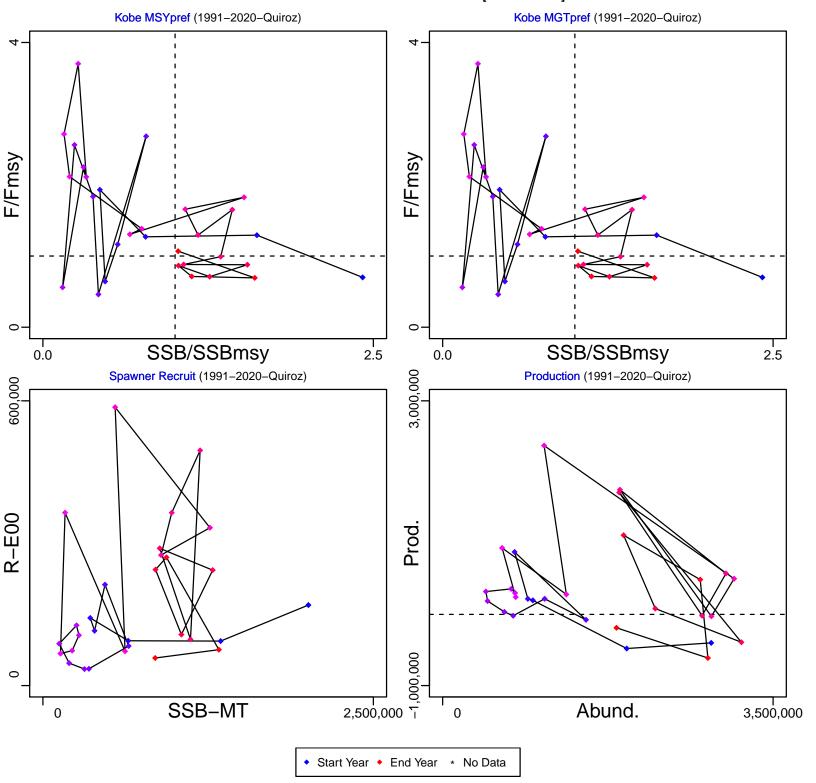
### Chilean jack mackerel Chilean EEZ and offshore [CHTRACCH]

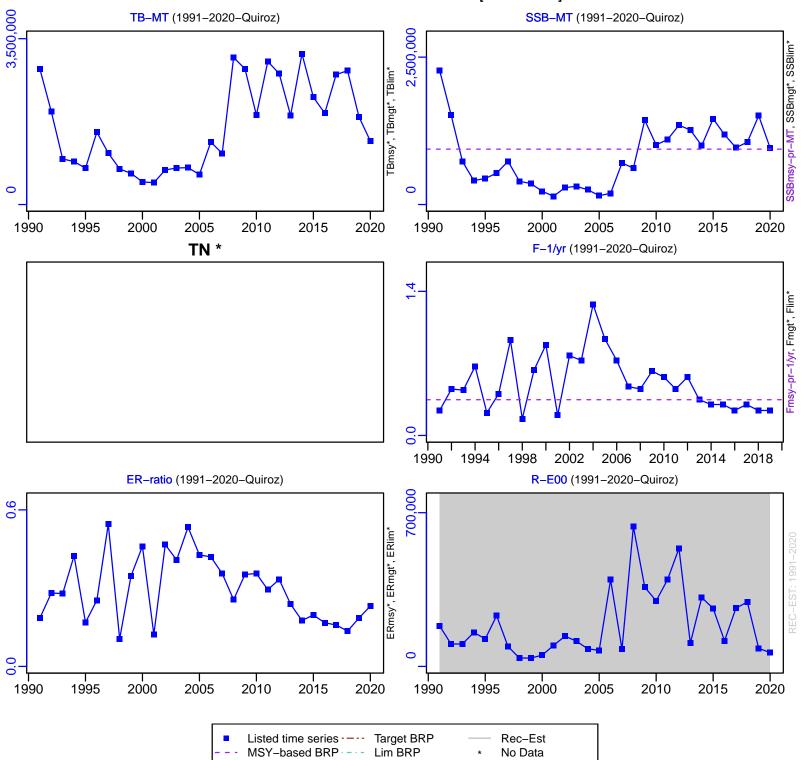


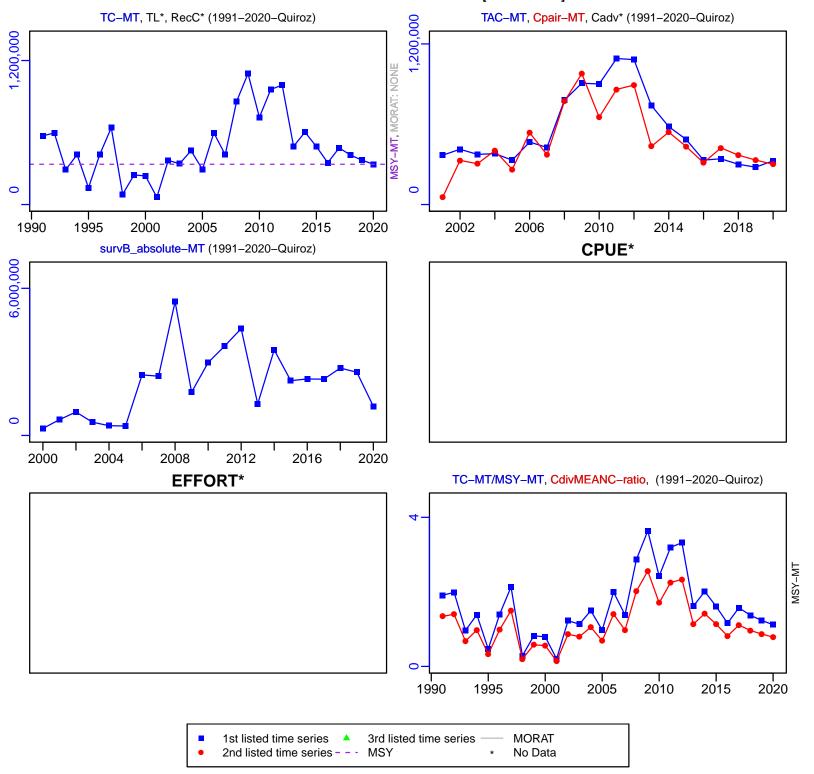
Metadata			
Scientific Name	Strangomera bentincki		
Current Assess ID IFOPCH-CSARDCSCH-1991-2020-Quiroz			
Area Central-Southern Chile			
Management Authority Subsecretaria de Pesca			
Assessor Instituto de Fomento Pesquero - Chilean Fisheries Development Inst			
Asmts in RAM	2015, 2020		

	Reference Points			
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-pr-MT	2020	830,339	
Fmsy	Fmsy-pr-1/yr	2020	0.3	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2015	889,000	
Fmgt	Fmgt-1/yr	2015	0.26	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2020	1,509,710	
MSY	MSY-MT	2020	289,790	
М	M-1/yr	2020	1	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2015	444,000	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2020	1,333,000	-	-
SSB	SSB-MT	2020	849,310	Both	-
TN	-	-	-	-	-
R	R-E00	2020	58,067	Both	-
F	F-1/yr	2020	0.21	Both	-
ER	ER-ratio	2020	0.217	-	-
TC	TC-MT	2020	289,779		
TL	TL-MT	2015	431,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2020	1.023		
F/Fmsy	FdivFmsy-dimensionless	2020	1.068		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	1.485		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.735		
ER/ERmgt	-	-	-		



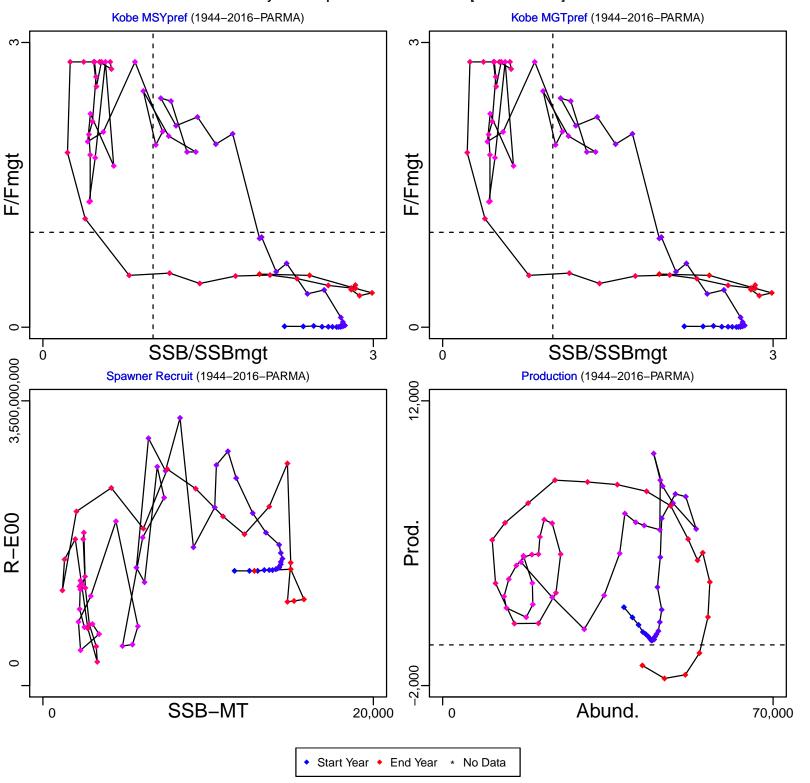


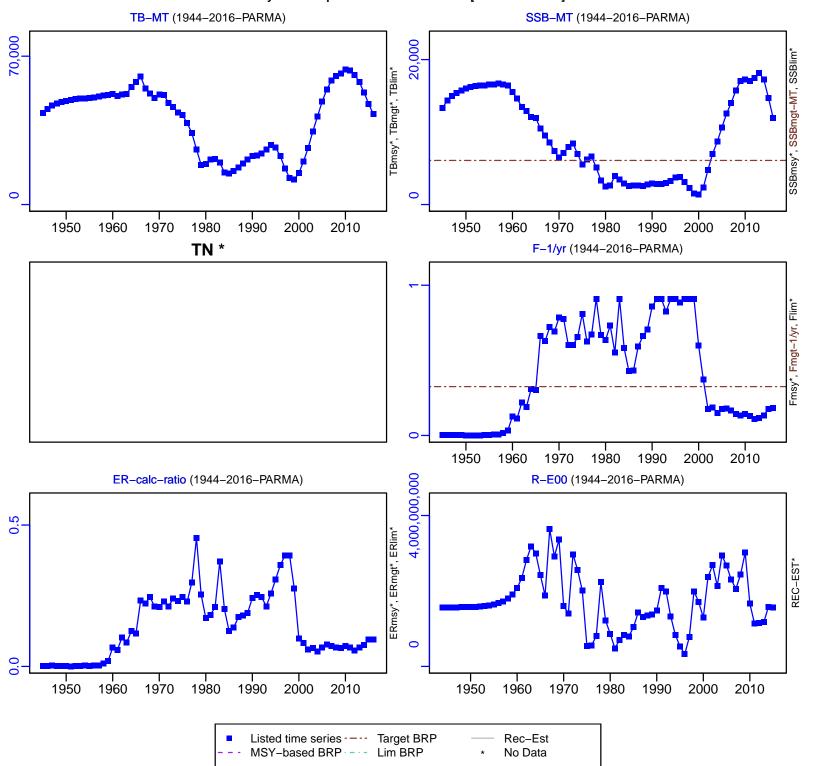


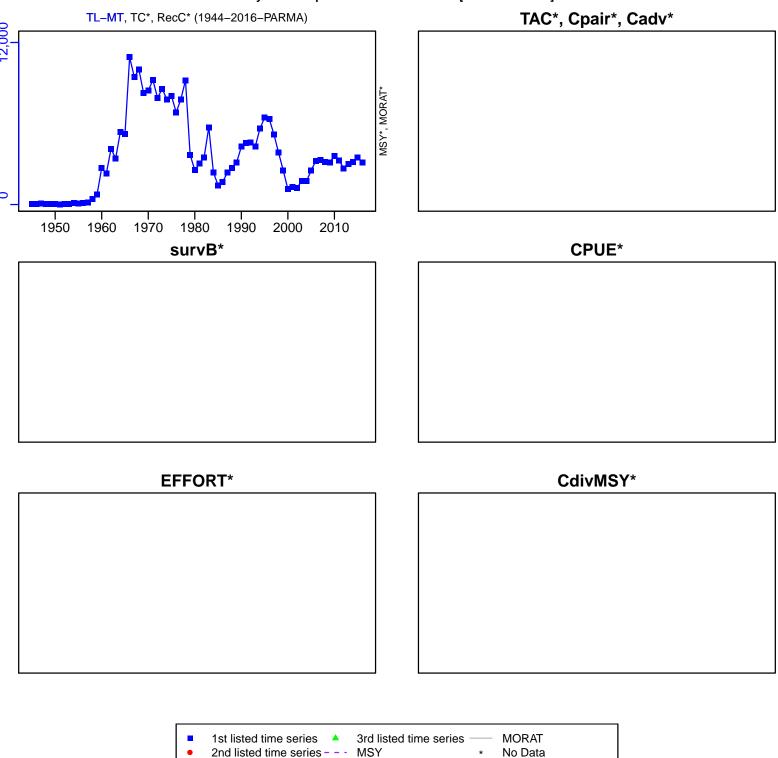
Metadata			
Scientific Name	Heterocarpus reedi		
Current Assess ID IFOPCH-NSHRIMPCSCH-1944-2016-PARMA			
Area Central-Southern Chile			
Management Authority Subsecretaria de Pesca			
Assessor Instituto de Fomento Pesquero - Chilean Fisheries Development Instit			
Asmts in RAM	2016		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	5287	
Fmgt	Fmgt-1/yr	2016	0.293	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2016	11,750	
MSY	-	-	-	
М	M-1/yr	2016	0.36	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	37,900	Both	-
SSB	SSB-MT	2016	10,400	Females	1 to 6
TN	-	-	-	-	-
R	R-E00	2016	$1.41 \times 10^{9}$	Females	1
F	F-1/yr	2016	0.164	Females	-
ER	ER-calc-ratio	2016	0.08	-	-
TC	-	-	-		
TL	TL-MT	2016	3040		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.967		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.56		
ER/ERmgt	-	-	-		



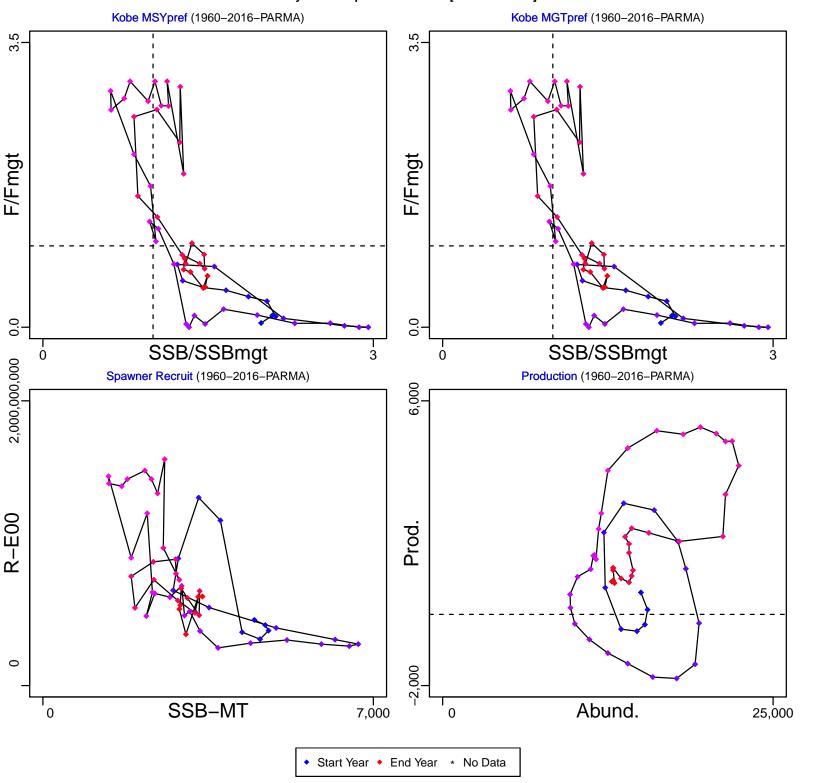


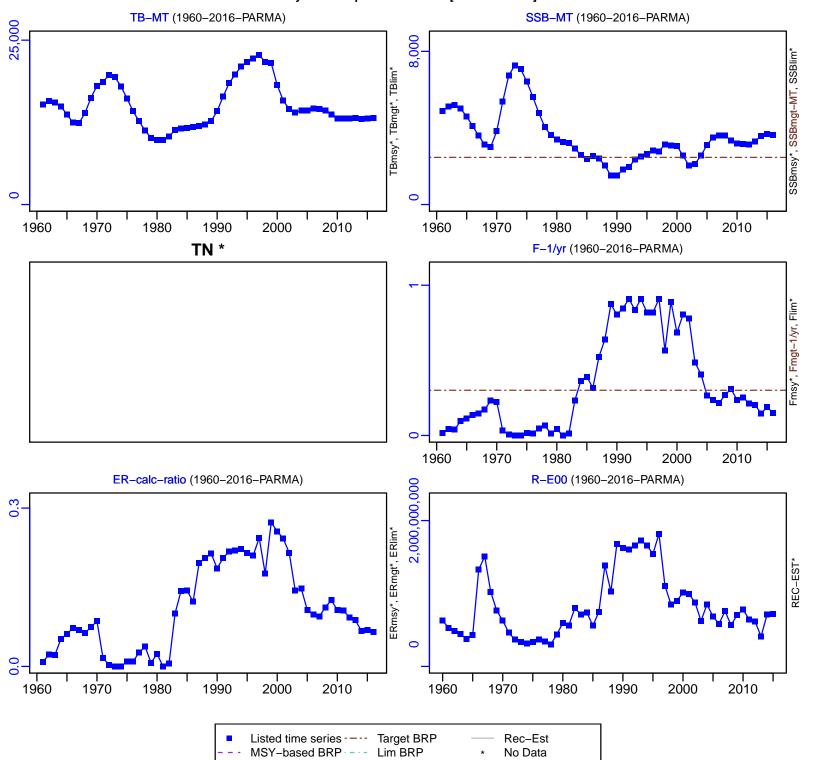


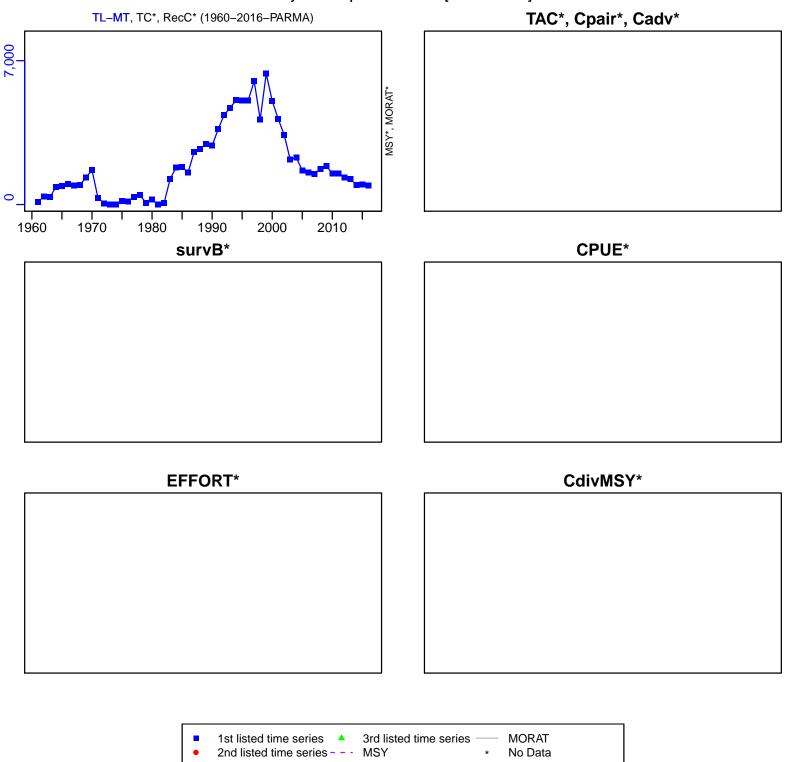
Metadata			
Scientific Name	Heterocarpus reedi		
Current Assess ID IFOPCH-NSHRIMPNCH-1960-2016-PARMA			
Area Northern Chile			
Management Authority	Subsecretaria de Pesca		
Assessor Instituto de Fomento Pesquero - Chilean Fisheries Development			
Asmts in RAM	2016		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	2261	
Fmgt	Fmgt-1/yr	2016	0.271	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2016	5025	
MSY	-	-	-	
M	M-1/yr	2016	0.36	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	TB-MT	2016	13,000	Both	-	
SSB	SSB-MT	2016	3330	Females	-	
TN	-	-	-	-	-	
R	R-E00	2016	$6.26 \times 10^{8}$	Females	1	
F	F-1/yr	2016	0.134	Females	-	
ER	ER-calc-ratio	2016	0.062	-	-	
TC	-	-	-			
TL	TL-MT	2016	803			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.473			
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.494			
ER/ERmgt	-	-	-			



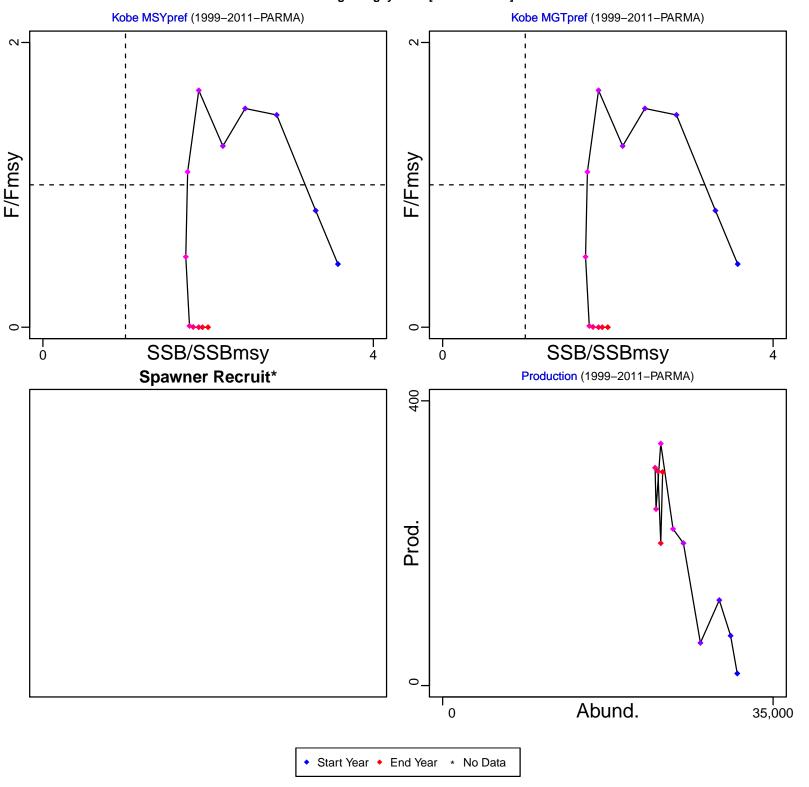


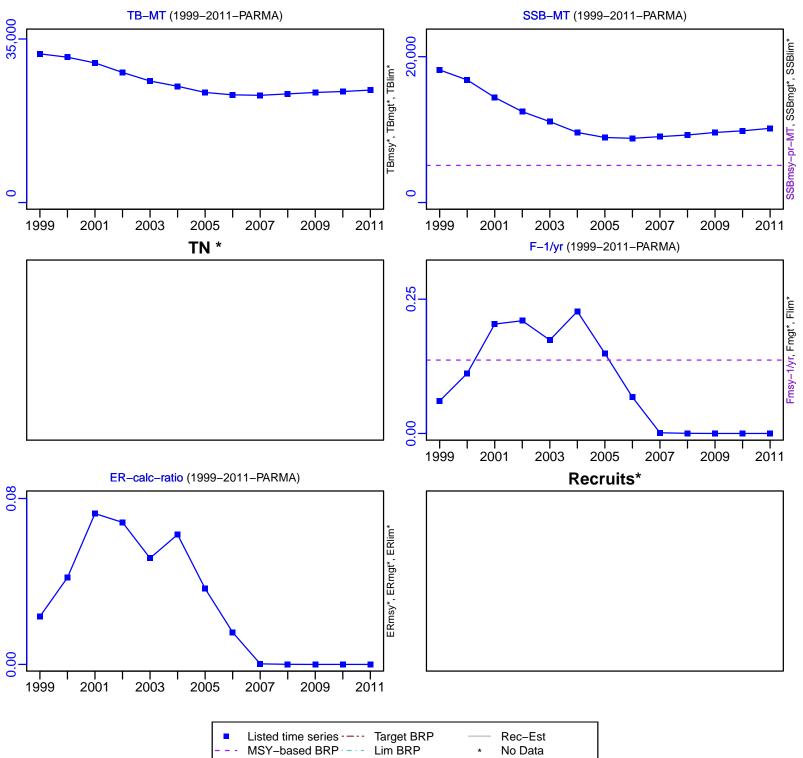


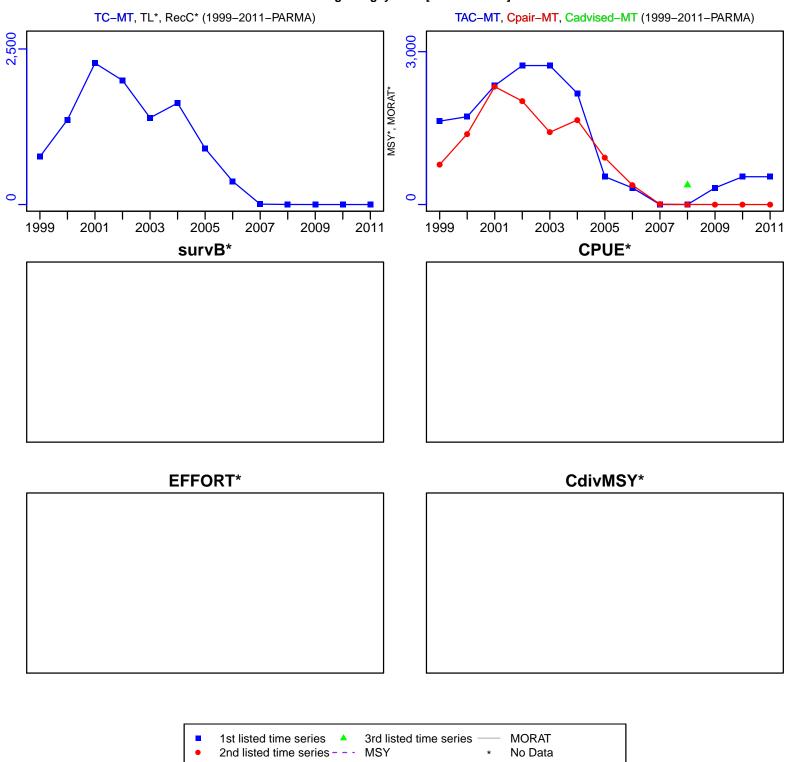
Metadata			
Scientific Name	Hoplostethus atlanticus		
Current Assess ID	SPRFMO-OROUGHYCH-1999-2011-PARMA		
Area	Chile		
Management Authority	South Pacific Regional Fisheries Management Organization		
Assessor	South Pacific Regional Fisheries Management Organization		
Asmts in RAM	2011		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-pr-MT	2011	4452	
Fmsy	Fmsy-1/yr	2011	0.11	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	M-1/yr	2011	0.045	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2011	23,600	-	-
SSB	SSB-MT	2011	8900	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2011	0	-	-
ER	ER-calc-ratio	2011	0	-	-
TC	TC-MT	2011	0		
TL	-	-	-		
TB/TBmsy	-	-	-	]	
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2011	1.999	]	
F/Fmsy	F-1/yr/Fmsy-1/yr	2011	0		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



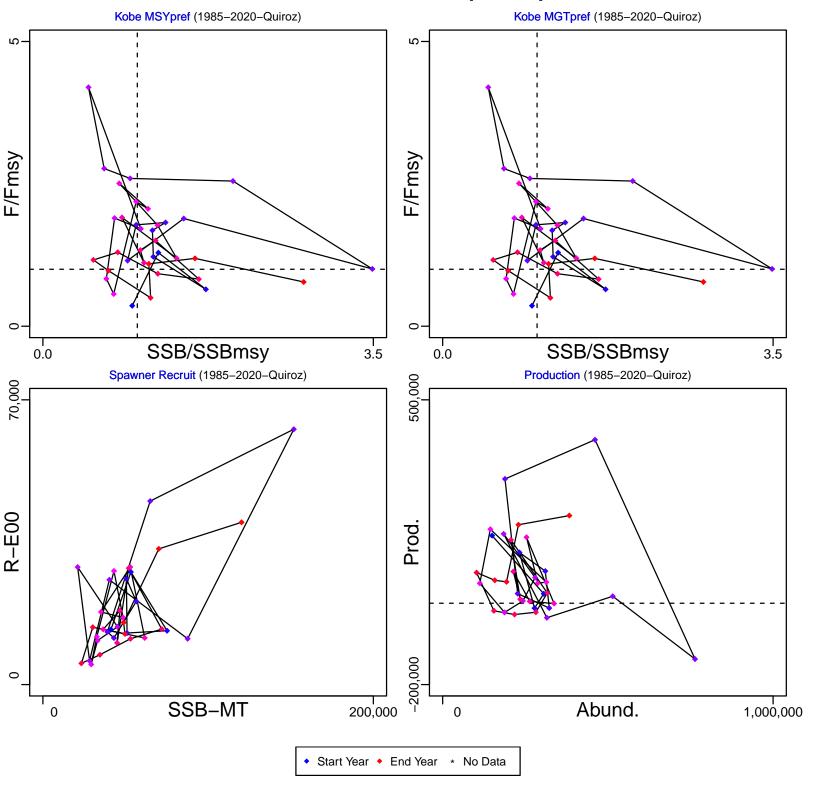


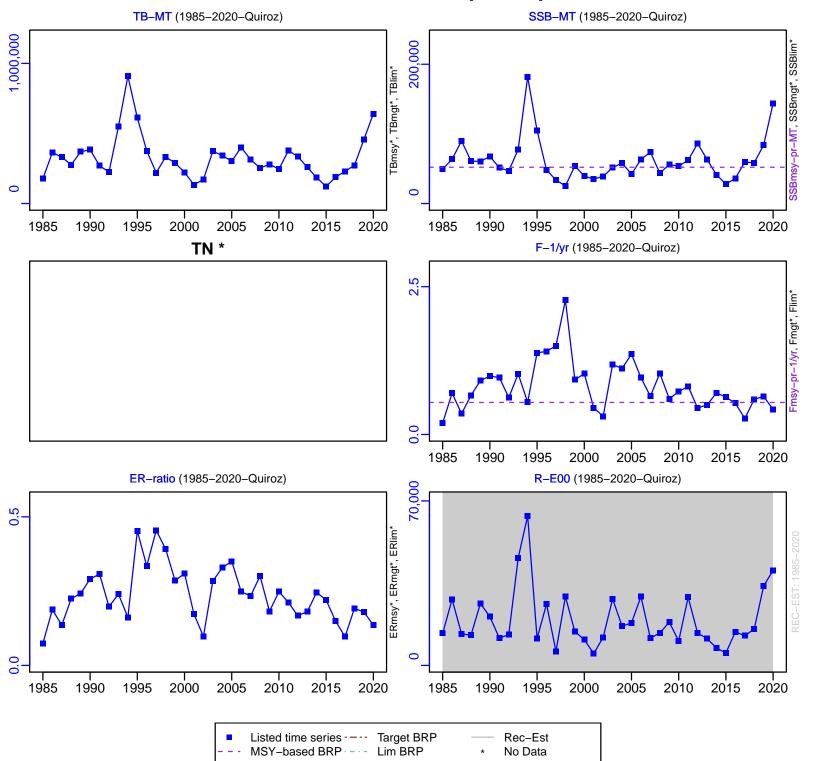


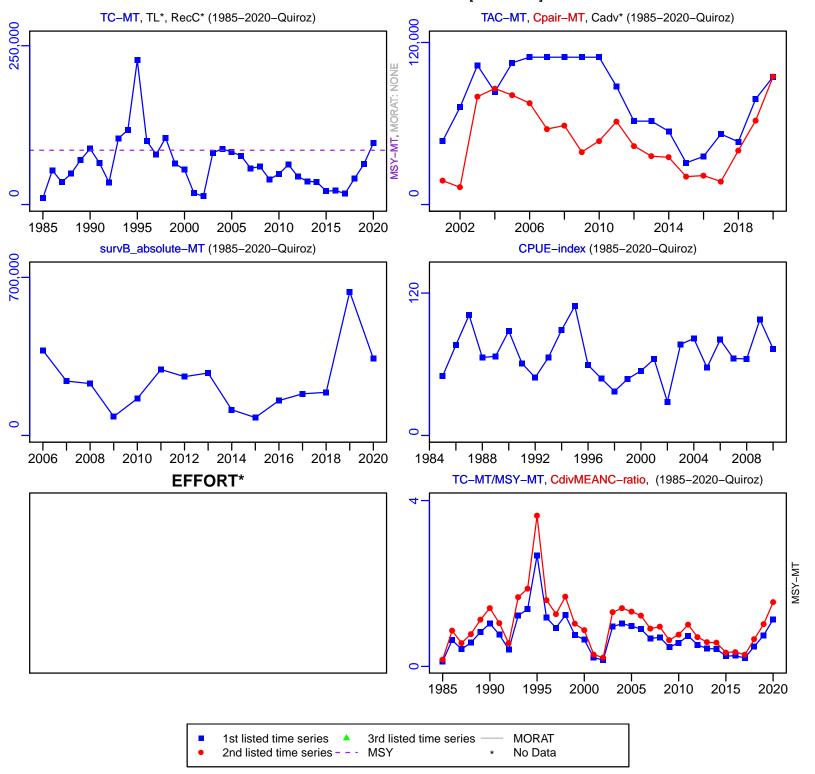
Metadata			
Scientific Name	Engraulis ringens		
Current Assess ID	IFOPCH-PANCHCCH-1985-2020-Quiroz		
Area Central Chile			
Management Authority	Subsecretaria de Pesca		
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute		
Asmts in RAM	2016, 2020		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-pr-MT	2020	43,530		
Fmsy	Fmsy-pr-1/yr	2020	0.48		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2016	51,000		
Fmgt	Fmgt-1/yr	2016	0.47		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	SSB0-MT	2020	78,953		
MSY	MSY-MT	2020	81,367		
М	M-1/yr	2020	1.3		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2020	538,270	-	-
SSB	SSB-MT	2020	120,240	Both	-
TN	-	-	-	-	-
R	R-E00	2020	39,889	Both	-
F	F-1/yr	2020	0.373	Both	-
ER	ER-ratio	2020	0.121	-	-
TC	TC-MT	2020	91,927		
TL	TL-MT	2016	36,400		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2020	2.762		
F/Fmsy	FdivFmsy-dimensionless	2020	0.777		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.061		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.894		
ER/ERmgt	-	-	-		



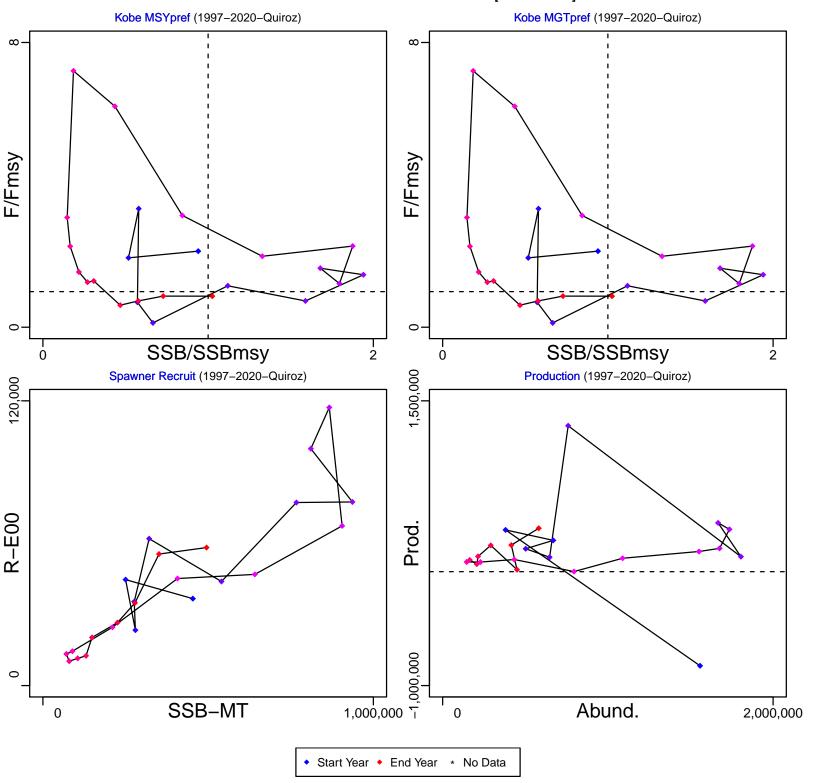


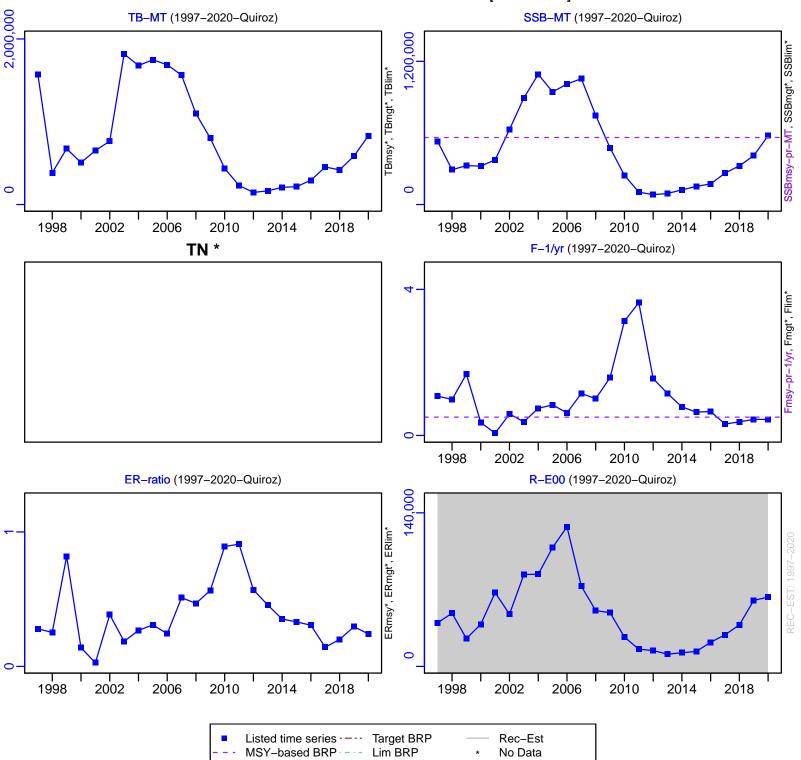


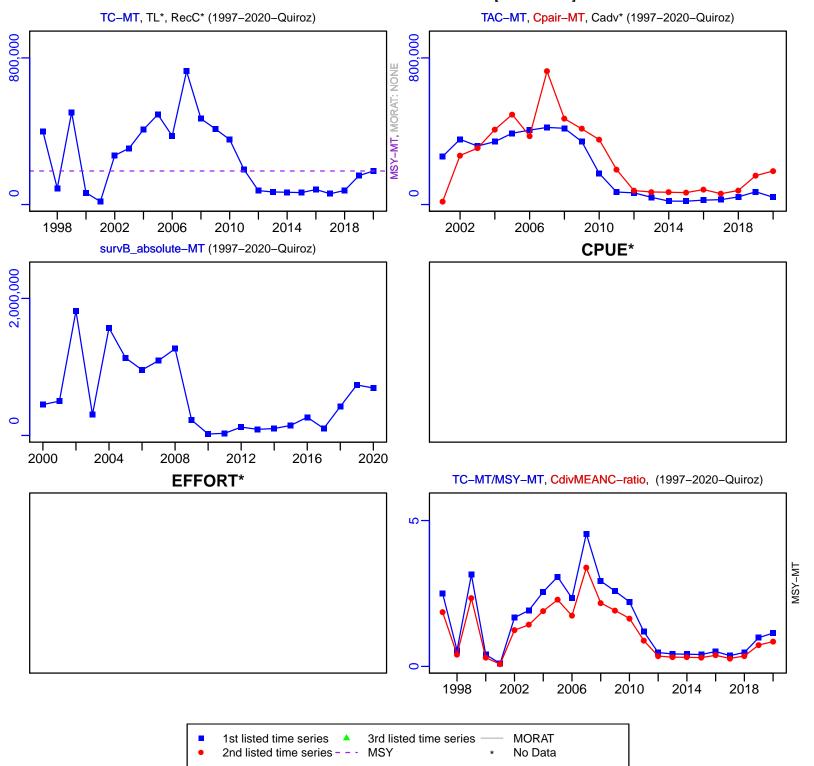
Metadata			
Scientific Name	Engraulis ringens		
Current Assess ID	IFOPCH-PANCHCSCH-1997-2020-Quiroz		
Area Central-Southern Chile			
Management Authority	Subsecretaria de Pesca		
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute		
Asmts in RAM	2016, 2020		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-pr-MT	2020	482,277		
Fmsy	Fmsy-pr-1/yr	2020	0.44		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2016	562,000		
Fmgt	Fmgt-1/yr	2016	0.396		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	SSB0-MT	2020	877,959		
MSY	MSY-MT	2020	160,810		
M	M-1/yr	2020	0.7		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2016	281,000		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2020	824,040	-	-
SSB	SSB-MT	2020	495,110	Both	-
TN	-	-	-	-	-
R	R-E00	2020	58,165	Both	-
F	F-1/yr	2020	0.385	Both	-
ER	ER-ratio	2020	0.195	-	-
TC	TC-MT	2020	160,799		
TL	TL-MT	2016	44,600		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2020	1.025		
F/Fmsy	FdivFmsy-dimensionless	2020	0.872		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.363		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.995		
ER/ERmgt	-	-	-		



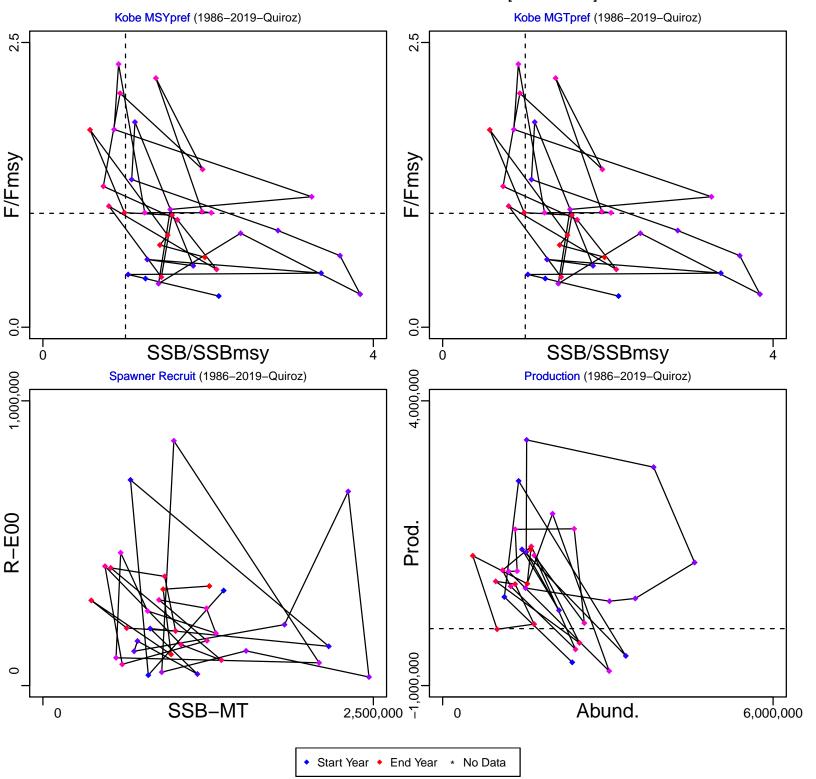


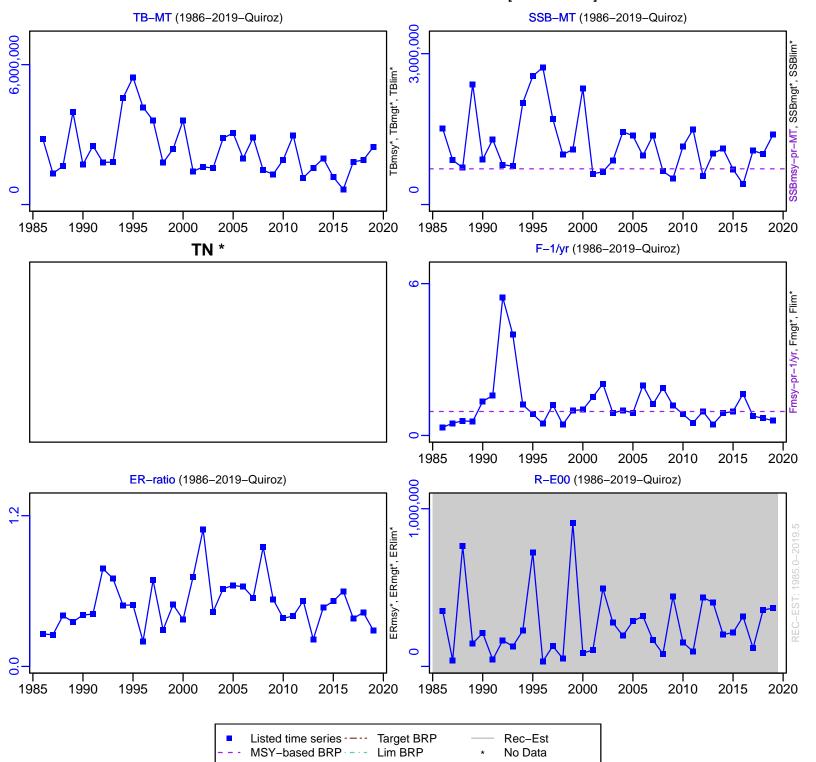


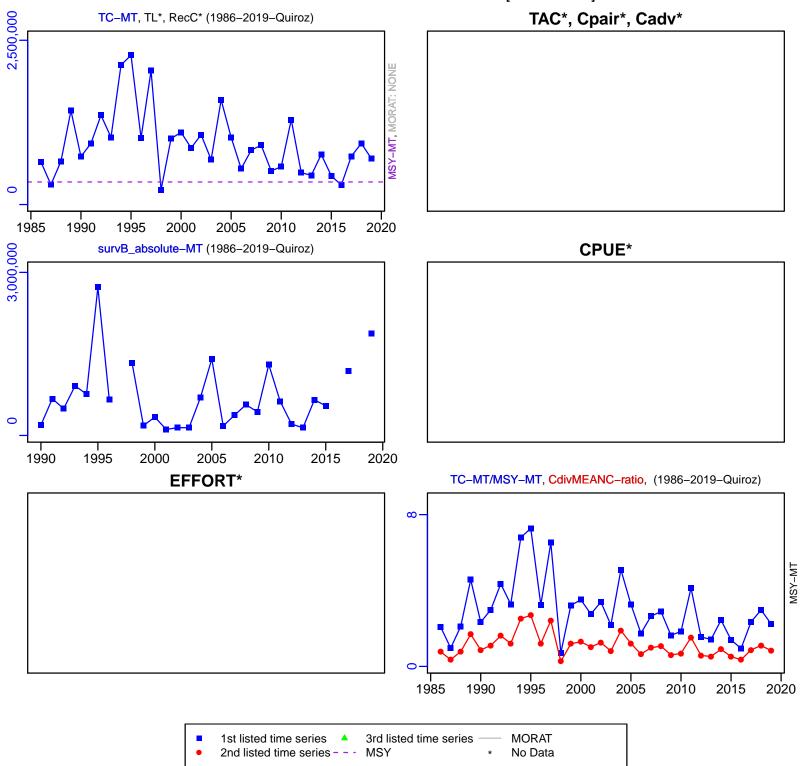
Metadata			
Scientific Name	Engraulis ringens		
Current Assess ID	IFOPCH-PANCHNCHSP-1986-2019-Quiroz		
Area Northern Chile Southern Peru			
Management Authority	Subsecretaria de Pesca		
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute		
Asmts in RAM	2015, 2019		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-pr-MT	2019	642,260	
Fmsy	Fmsy-pr-1/yr	2019	0.863	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2015	2,021,000	
Fmgt	Fmgt-1/yr	2015	1.18	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2019	1,284,520	
MSY	MSY-MT	2019	338,192	
M	M-1/yr	2019	2.2	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2019	2,069,000	-	-
SSB	SSB-MT	2019	1,259,400	Both	-
TN	-	-	-	-	-
R	R-E00	2019	349,460	Both	-
F	F-1/yr	2019	0.53	Both	-
ER	ER-ratio	2019	0.259	-	-
TC	TC-MT	2019	690,083		
TL	TL-MT	2015	1,200,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2019	1.961		
F/Fmsy	FdivFmsy-dimensionless	2019	0.614		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	0.599		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	3.576		
ER/ERmgt	-	-	-		





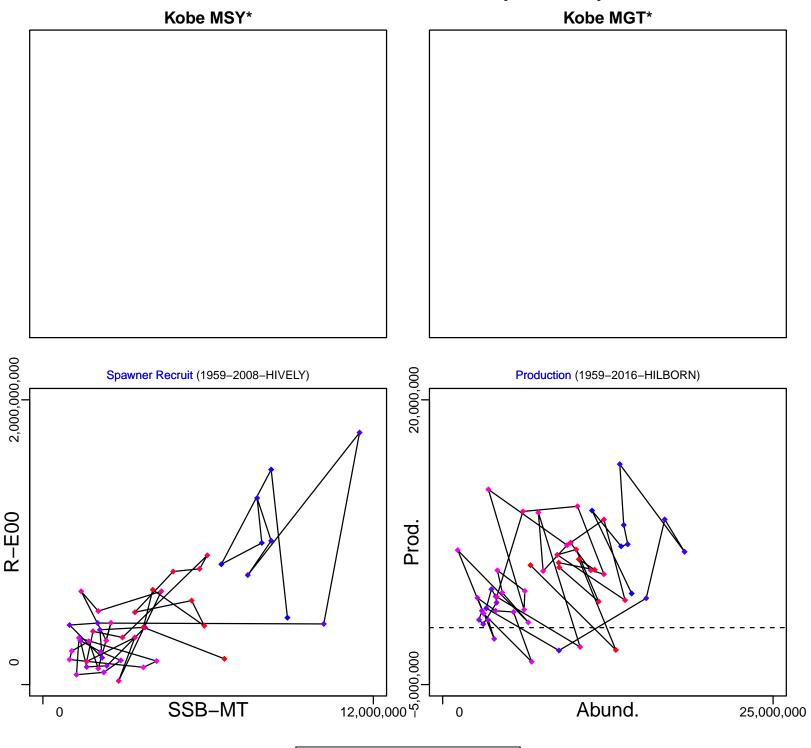


# Peruvian anchoveta North-Central Peruvian coast [PANCHPERUNC]

Metadata				
Scientific Name	Engraulis ringens			
Current Assess ID	IMARPE-PANCHPERUNC-1953-2020-DIAZ			
Area	North-Central Peruvian coast			
Management Authority	Instituto del Mar del Peru, Peru national management			
Assessor	Instituto del Mar del Peru			
Asmts in RAM	2020, 2008, 2016			

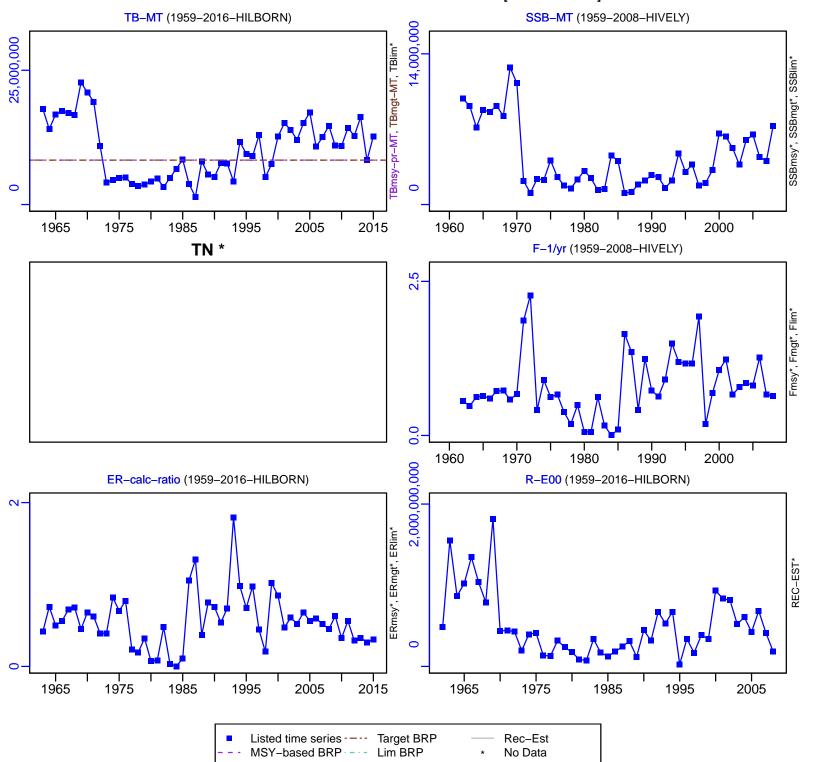
Reference Points						
Туре	ID	Asmt Year	Value			
TBmsy	TBmsy-pr-MT	2016	6,660,000			
SSBmsy	-	-	-			
Fmsy	-	-	-			
ERmsy	-	-	-			
TBmgt	TBmgt-MT	2016	6,660,000			
SSBmgt	-	-	-			
Fmgt	-	-	-			
ERmgt	-	-	-			
TB0	-	-	-			
SSB0	-	-	-			
MSY	-	-	-			
M	-	-	-			
TBlim	-	-	-			
SSBlim	-	-	-			
Flim	-	-	-			
ERlim	-	-	-			

Time Series							
Туре	ID	Asmt Year	Curr Value	Sex	Age		
ТВ	TB-MT	2016	10,200,000	Both	-		
SSB	SSB-MT	2008	6,590,000	-	-		
TN	-	-	-	-	-		
R	R-E00	2016	$1.81 \times 10^{8}$	Both	-		
F	F-1/yr	2008	0.588	-	-		
ER	ER-calc-ratio	2016	0.325	-	-		
TC	-	-	-				
TL	TL-MT	2020	3,151,481				
TB/TBmsy	TB-MT/TBmsy-pr-MT	2016	1.532				
SSB/SSBmsy	-	-	-				
F/Fmsy	-	-	-				
ER/ERmsy	-	-	-				
TB/TBmgt	TB-MT/TBmgt-MT	2016	1.532				
SSB/SSBmgt	-	-	-				
F/Fmgt	-	-	-				
ER/ERmgt	-	-	-				

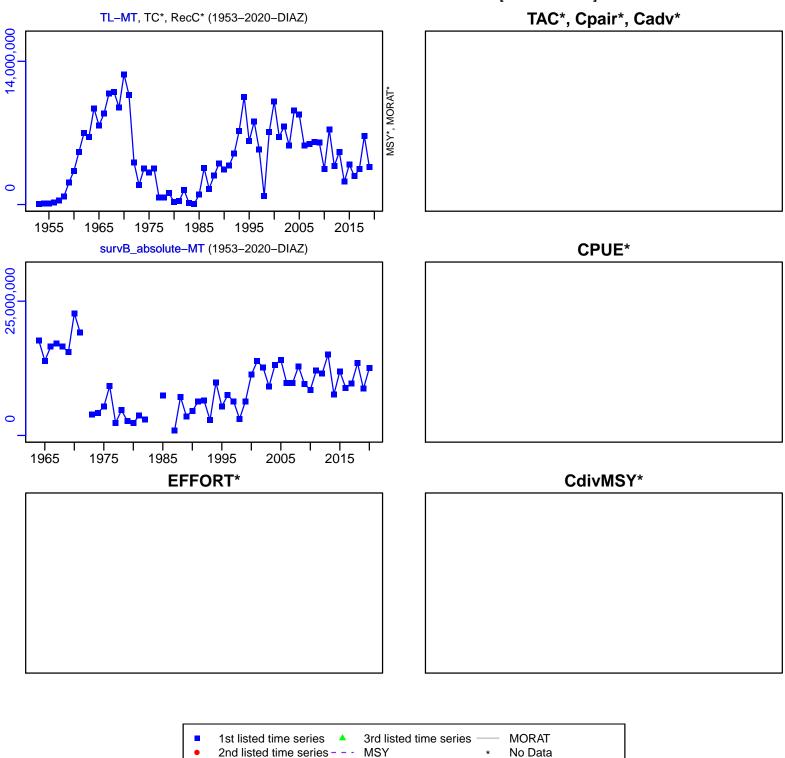


Start Year • End Year • No Data

#### Peruvian anchoveta North-Central Peruvian coast [PANCHPERUNC]



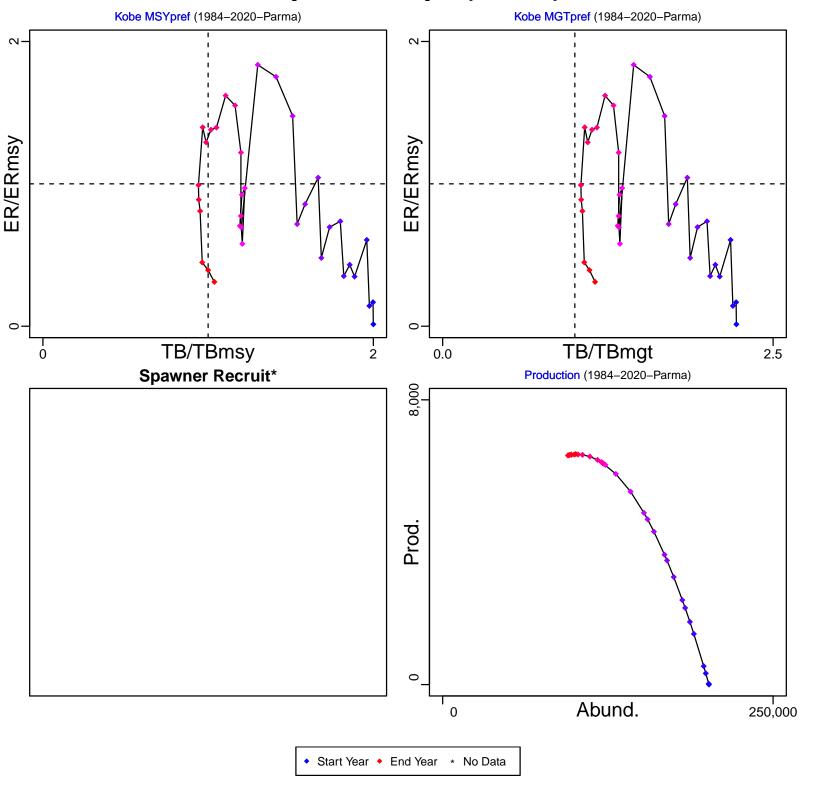
## Peruvian anchoveta North-Central Peruvian coast [PANCHPERUNC]

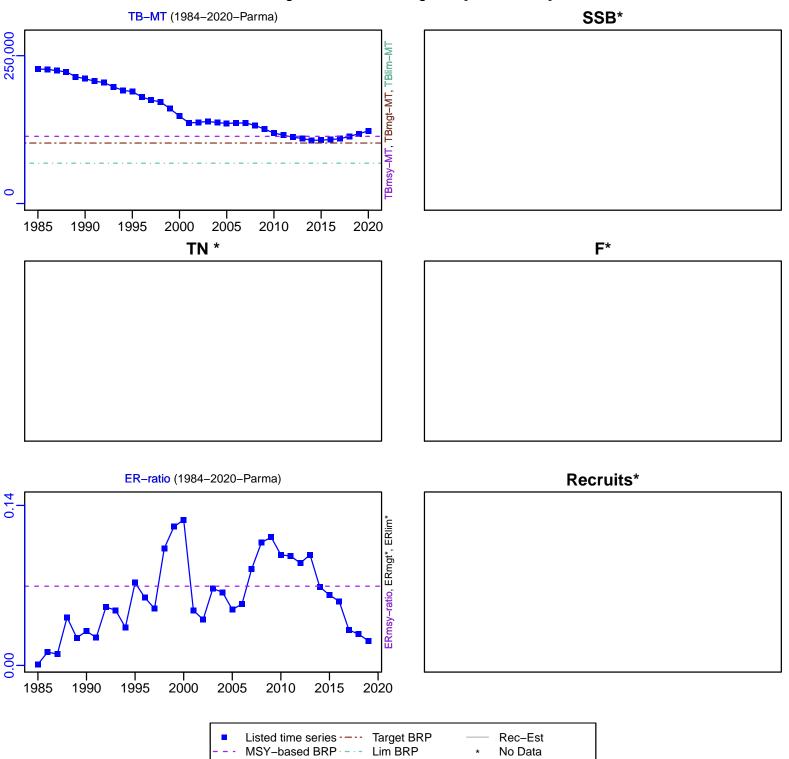


Metadata			
Scientific Name	Salilota australis		
Current Assess ID INIDEP-PATCODARGS-1984-2020-Parma			
Area Southern Argentina			
Management Authority	Consejo Federal Pesquero, Argentina national management		
Assessor Instituto Nacional de Investigacion y Desarrollo Pesquero			
Asmts in RAM	2020		

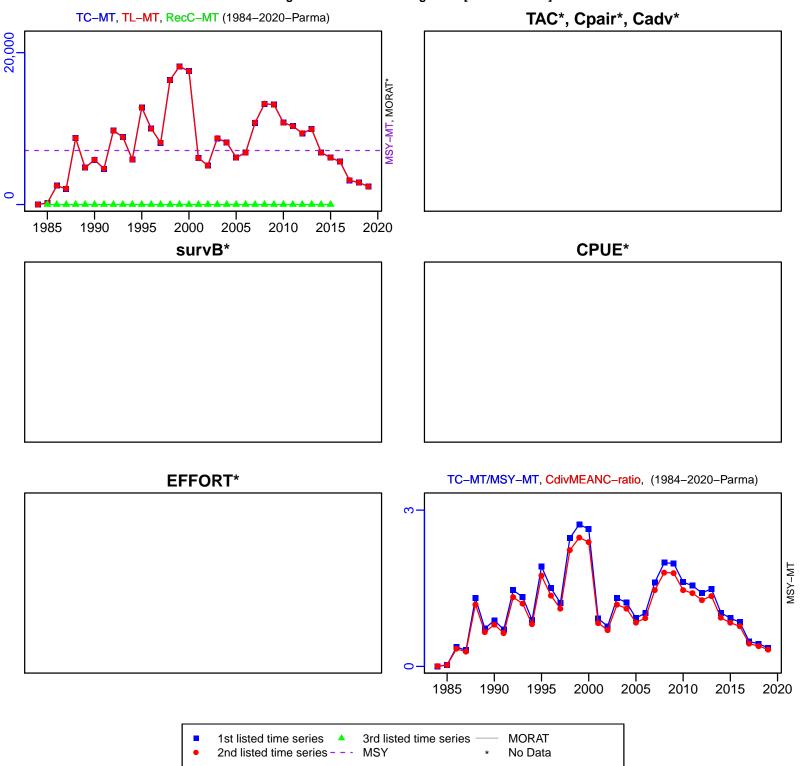
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-MT	2020	100,734	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2020	0.066	
TBmgt	TBmgt-MT	2020	90,660	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	TB0-MT	2020	201,468	
SSB0	-	-	-	
MSY	MSY-MT	2020	6478	
М	-	-	-	
TBlim	TBlim-MT	2020	60,440	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2020	108,844	-	1+
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2020	0.021	Both	-
TC	TC-MT	2020	2164		
TL	TL-MT	2020	2164		
TB/TBmsy	TB-MT/TBmsy-MT	2020	1.081		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2020	0.311		
TB/TBmgt	TB-MT/TBmgt-MT	2020	1.201		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





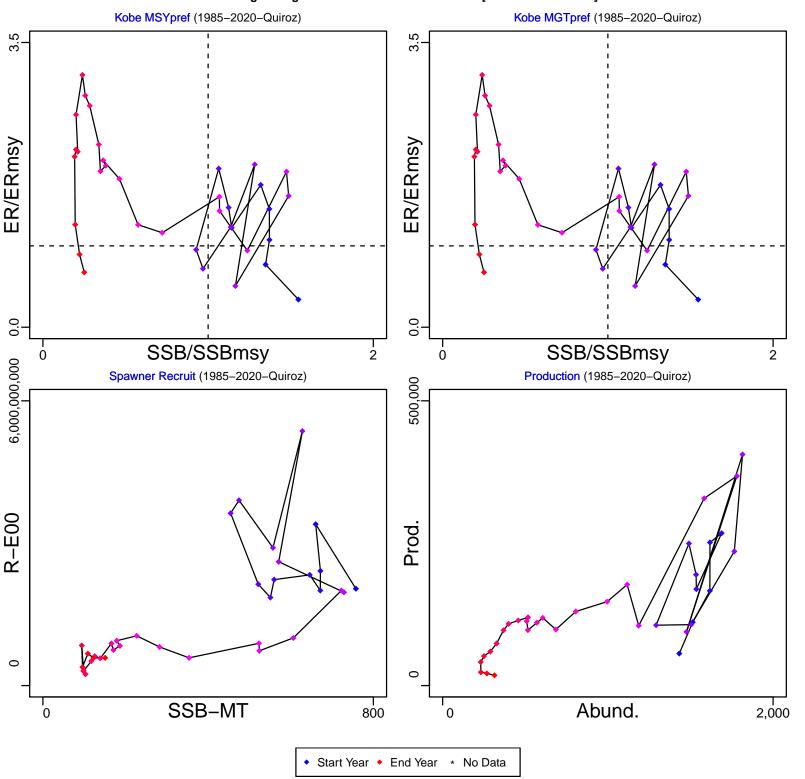
No Data

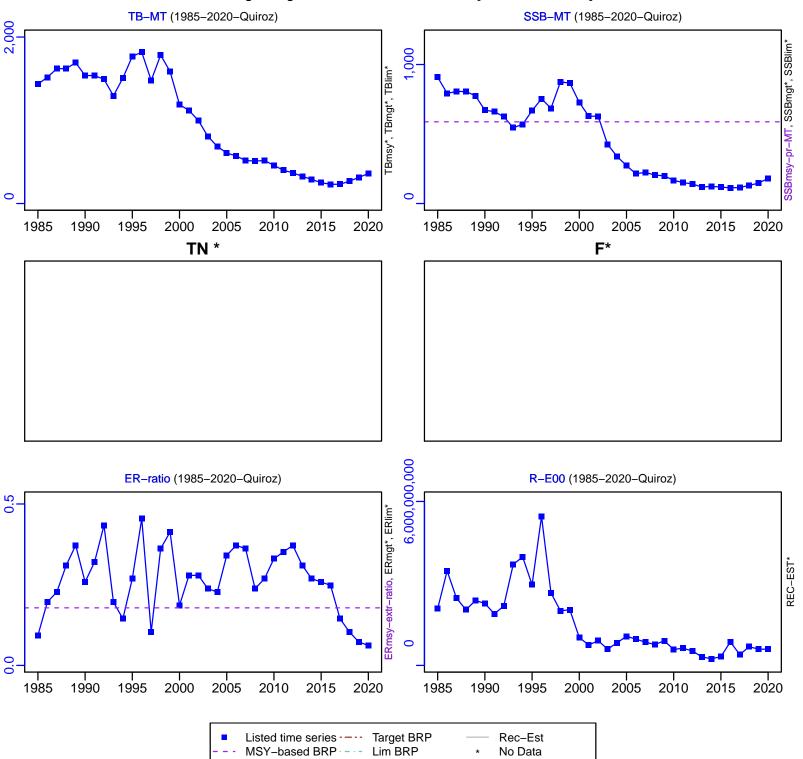


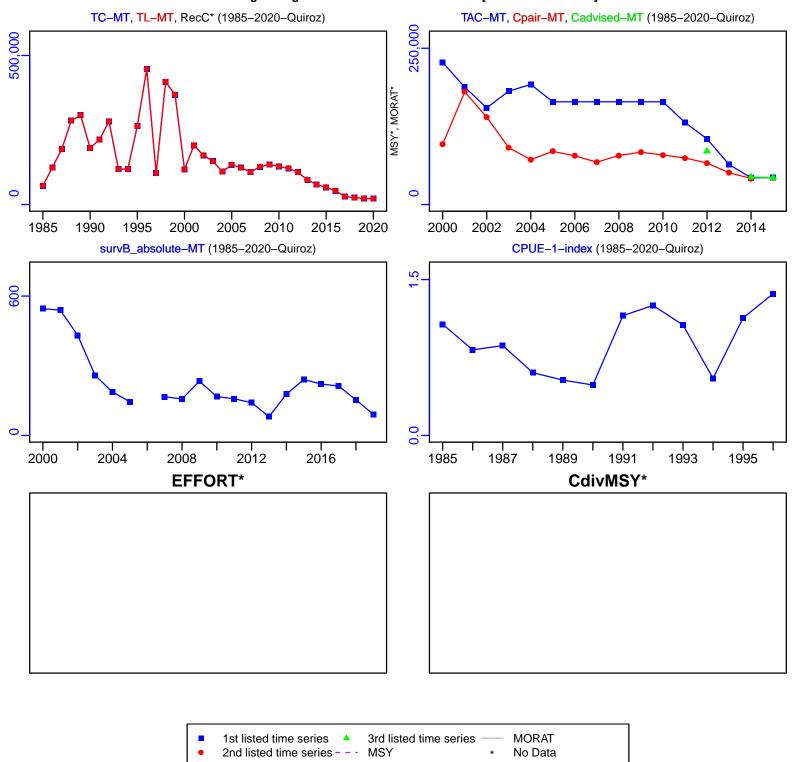
Metadata			
Scientific Name	Macruronus magellanicus		
Current Assess ID IFOPCH-PATGRENADIERCH-1985-2020-Quiroz			
Area Central-Southern Chile			
Management Authority	Subsecretaria de Pesca		
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute		
Asmts in RAM	2012, 2015, 2020		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-pr-MT	2020	490	
Fmsy	-	-	-	
ERmsy	ERmsy-extr-ratio	2020	0.173	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	M-1/yr	2015	0.35	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2020	359	-	-
SSB	SSB-MT	2020	151	-	-
TN	-	-	-	-	-
R	R-E00	2020	584,268,000	-	-
F	-	-	-	-	-
ER	ER-ratio	2020	0.06	-	-
TC	TC-MT	2020	17,902		
TL	TL-MT	2020	17,902		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2020	0.25		
F/Fmsy	-	-	-		
ER/ERmsy	ERdivERmsy-dimensionless	2020	0.675		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



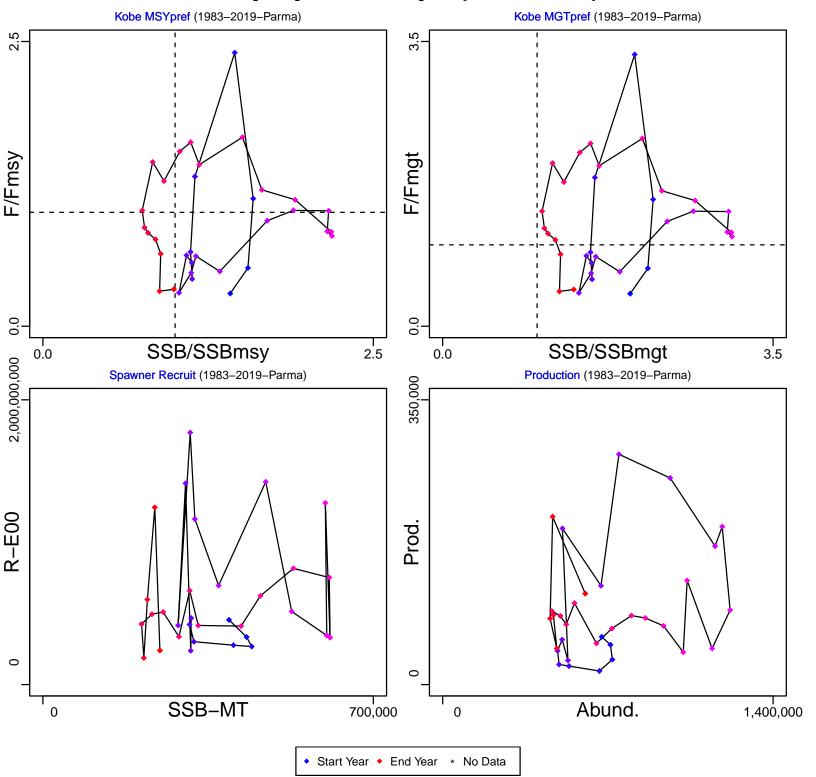


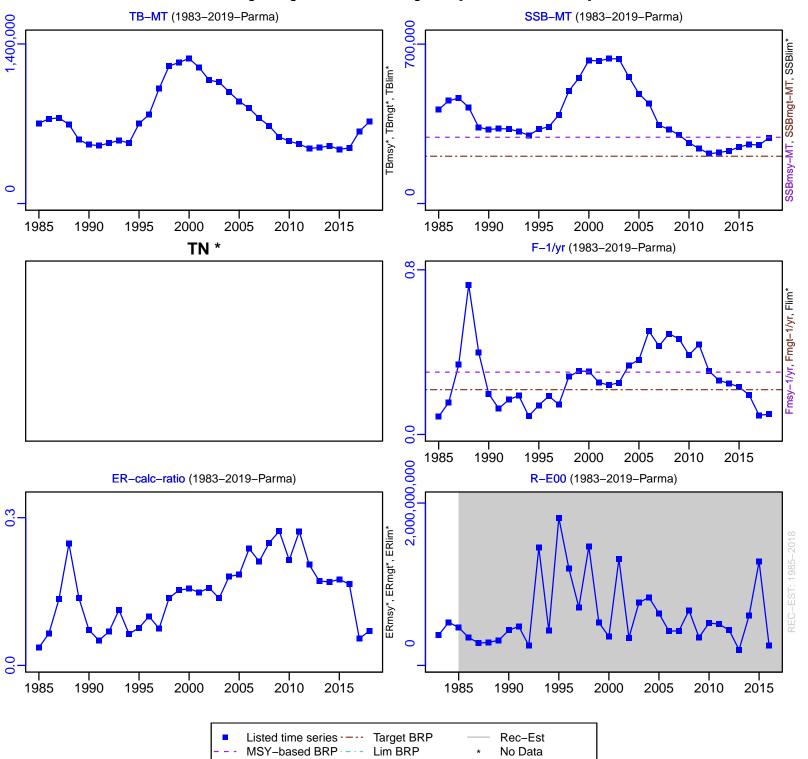


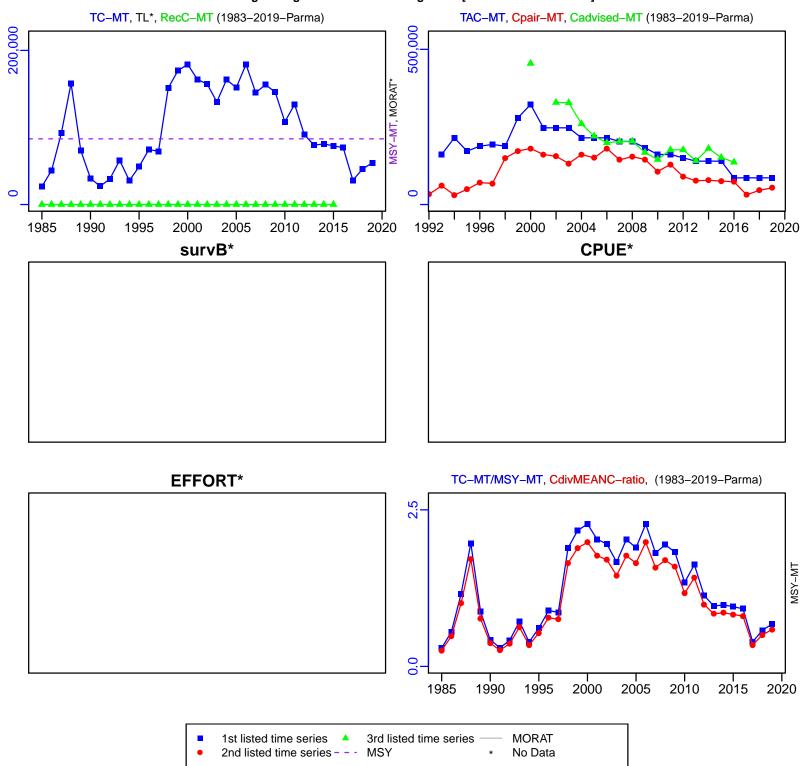
Metadata			
Scientific Name	Macruronus magellanicus		
Current Assess ID INIDEP-PATGRENADIERSARG-1983-2019-Parma			
Area Southern Argentina			
Management Authority	Consejo Federal Pesquero, Argentina national management		
Assessor	Instituto Nacional de Investigacion y Desarrollo Pesquero		
Asmts in RAM	2006, 2015, 2019		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-MT	2006	642,031	
SSBmsy	SSBmsy-MT	2019	278,120	
Fmsy	Fmsy-1/yr	2019	0.299	
ERmsy	ERmsy-ratio	2006	0.206	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2019	198,474	
Fmgt	Fmgt-1/yr	2019	0.215	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2019	496,186	
MSY	MSY-MT	2019	78,761	
M	M-1/yr	2019	0.35	
TBlim	TBlim-MT	2006	415,041	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2019	686,905	-	1+
SSB	SSB-MT	2019	275,663	-	2+
TN	-	-	-	-	-
R	R-E00	2019	239,478,000	-	1
F	F-1/yr	2019	0.097	-	3-11+
ER	ER-calc-ratio	2019	0.062	-	-
TC	TC-MT	2019	50,000		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-MT	2006	2.149		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2019	0.991		
F/Fmsy	F-1/yr/Fmsy-1/yr	2019	0.324		
ER/ERmsy	ER-ratio/ERmsy-ratio	2006	0.534		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2019	1.389		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	0.451		
ER/ERmgt	-	-	-		





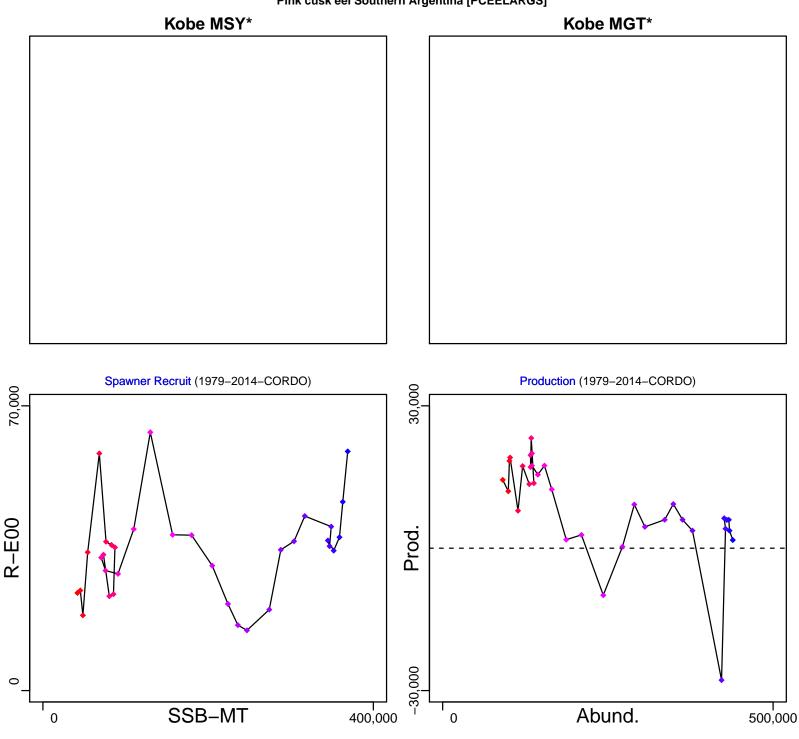


# Pink cusk eel Southern Argentina [PCEELARGS]

Metadata			
Scientific Name	Genypterus blacodes		
Current Assess ID INIDEP-PCEELARGS-1979-2014-CORDO			
Area Southern Argentina			
Management Authority Consejo Federal Pesquero, Argentina national manageme			
Assessor	Instituto Nacional de Investigacion y Desarrollo Pesquero		
Asmts in RAM	2014		

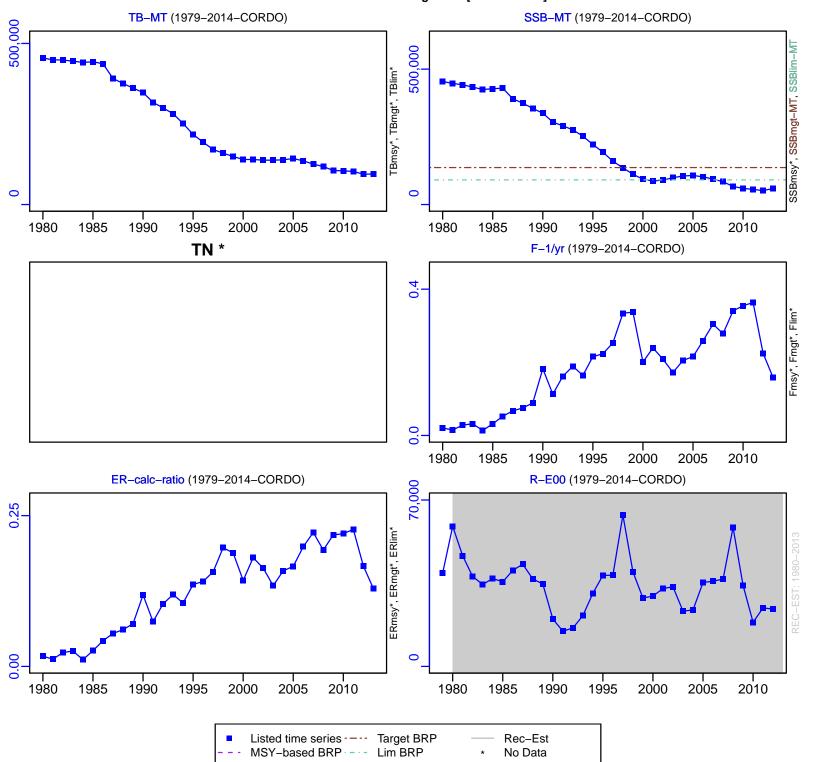
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2014	110,823	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2014	11,700	
М	M-1/yr	2014	0.2	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2014	73,882	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2014	91,600	-	-
SSB	SSB-MT	2014	48,000	-	-
TN	-	-	-	-	-
R	R-E00	2014	24,000	Both	1
F	F-1/yr	2014	0.139	-	-
ER	ER-calc-ratio	2014	0.117	-	-
TC	TC-MT	2014	9480		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	0.433		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

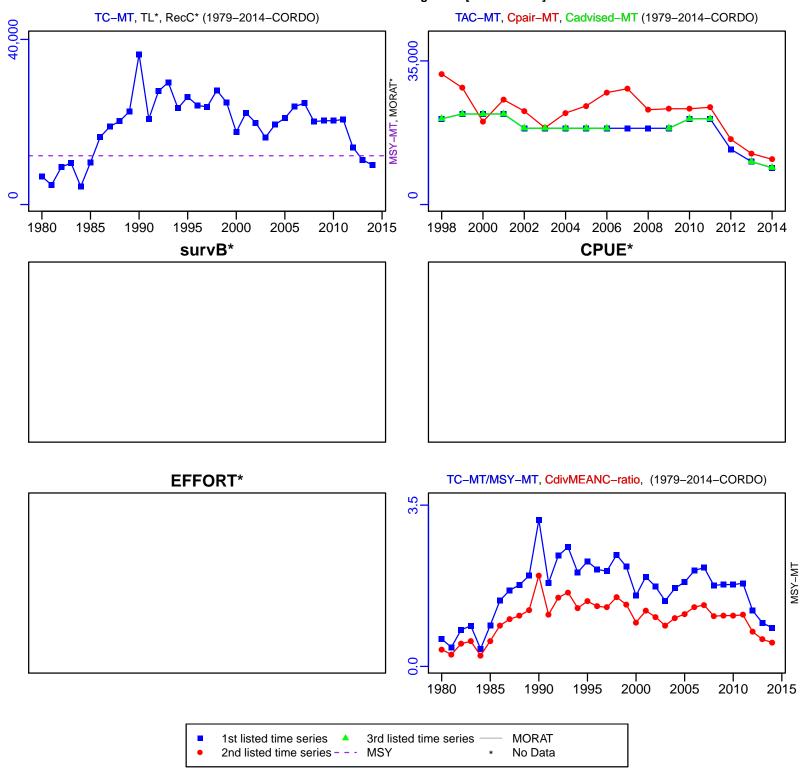


Start Year → End Year → No Data

#### Pink cusk eel Southern Argentina [PCEELARGS]



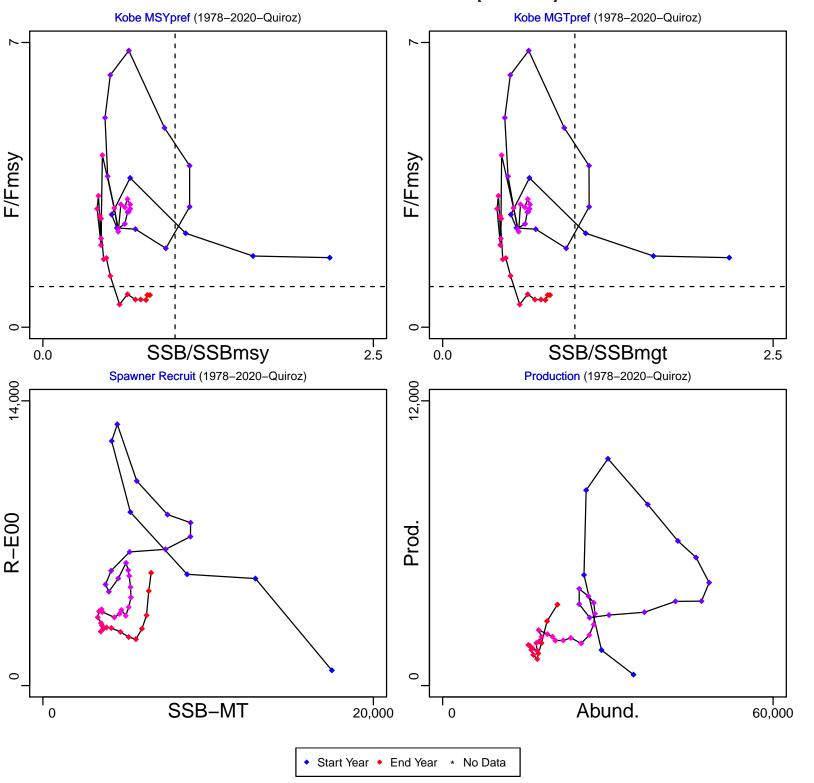
## Pink cusk eel Southern Argentina [PCEELARGS]

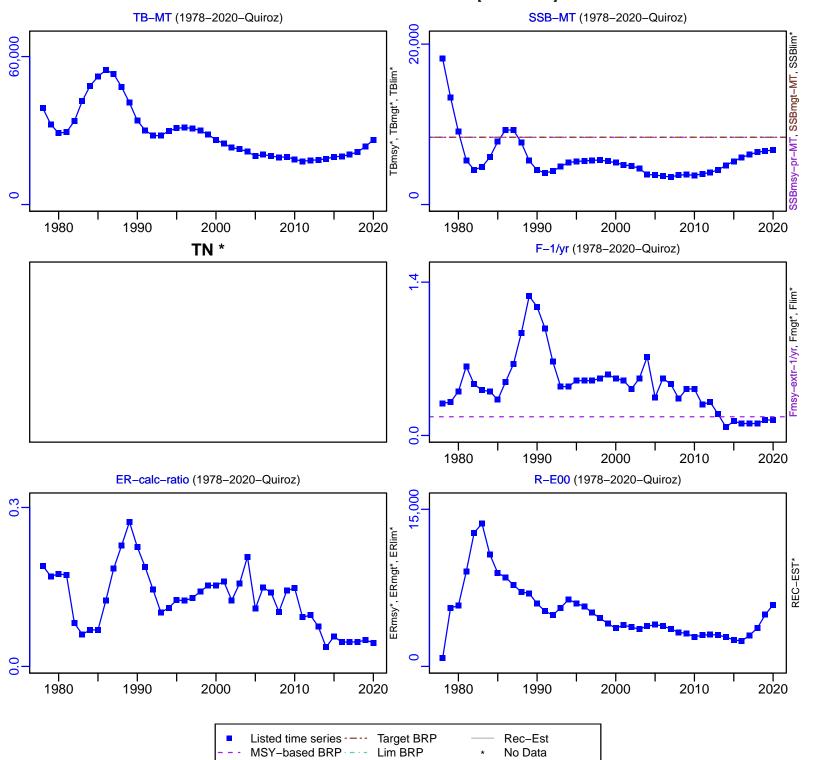


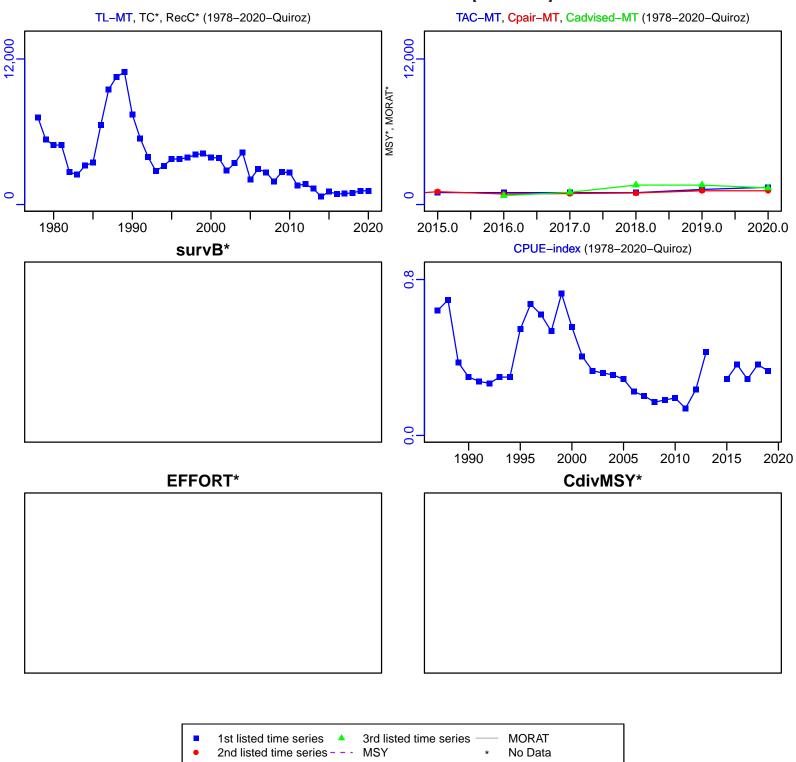
Metadata			
Scientific Name	Genypterus blacodes		
Current Assess ID	IFOPCH-PCEELCSCH-1978-2020-Quiroz		
Area Central-Southern Chile			
Management Authority Subsecretaria de Pesca			
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute		
Asmts in RAM	2015, 2020		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-pr-MT	2020	8066		
Fmsy	Fmsy-extr-1/yr	2020	0.157		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2020	8067		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	SSB0-MT	2020	20,167		
MSY	-	-	-		
М	M-1/yr	2015	0.27		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2015	3746		
Flim	-	-	-		
ERIIM	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2020	23,267	Both	-
SSB	SSB-MT	2020	6552	Both	-
TN	-	-	-	-	-
R	R-E00	2020	5544	Both	-
F	F-1/yr	2020	0.13	Both	-
ER	ER-calc-ratio	2020	0.043	-	-
TC	-	-	-		
TL	TL-MT	2020	989		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2020	0.81		
F/Fmsy	FdivFmsy-dimensionless	2020	0.79		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2020	0.812		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





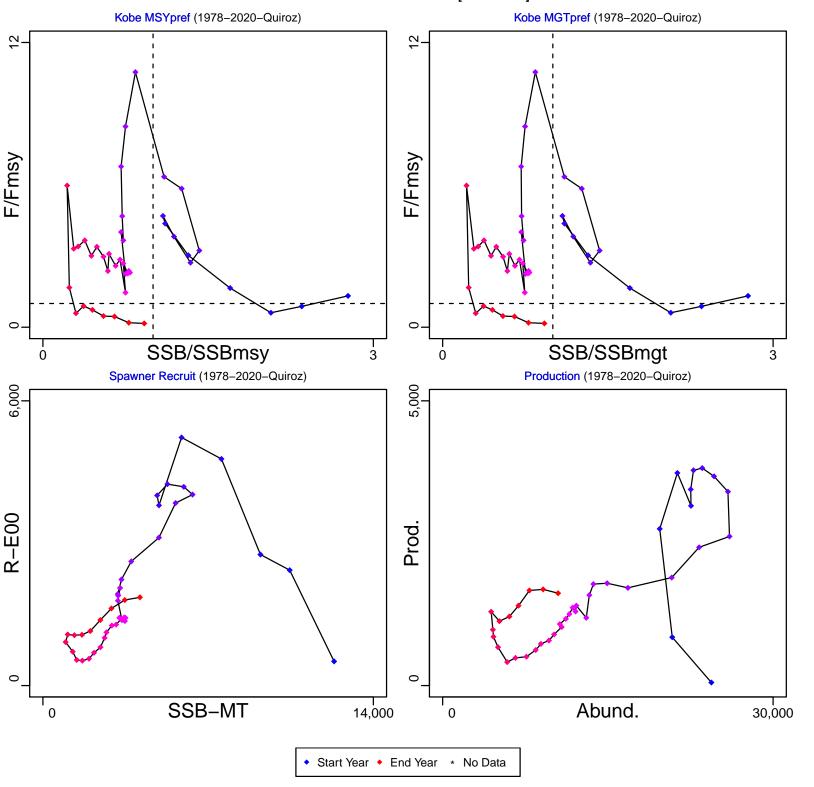


# Pink cusk eel Southern Chile [PCEELSCH]

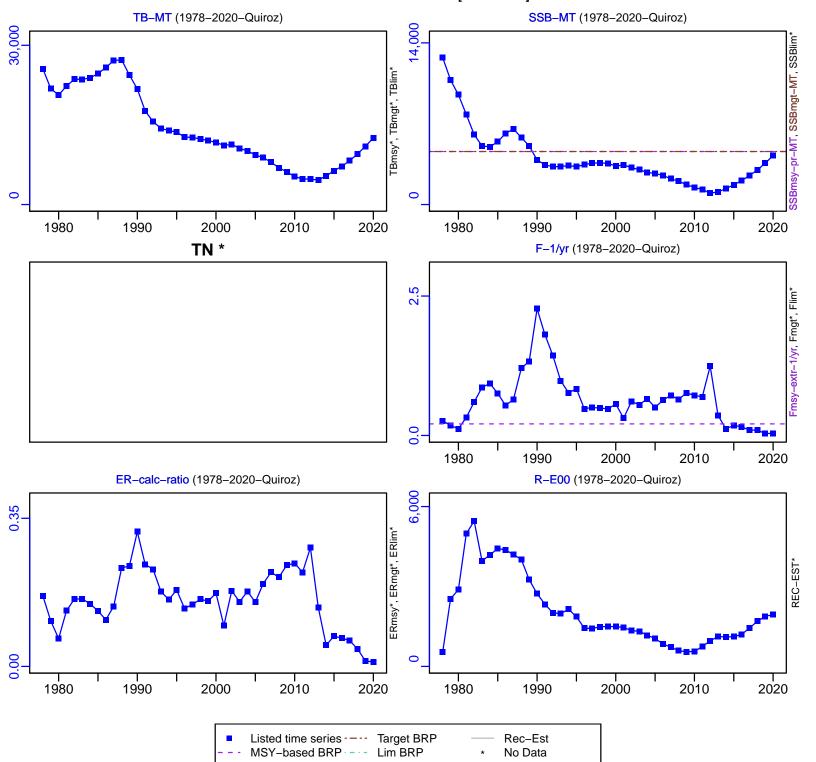
Metadata			
Scientific Name	Genypterus blacodes		
Current Assess ID	IFOPCH-PCEELSCH-1978-2020-Quiroz		
Area Southern Chile			
Management Authority Subsecretaria de Pesca			
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute		
Asmts in RAM	2015, 2020		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-pr-MT	2020	4450	
Fmsy	Fmsy-extr-1/yr	2020	0.174	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2020	4450	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2020	11,125	
MSY	-	-	-	
М	M-1/yr	2015	0.23	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2015	1825	
Flim	-	-	-	
ERlim	-	-	-	

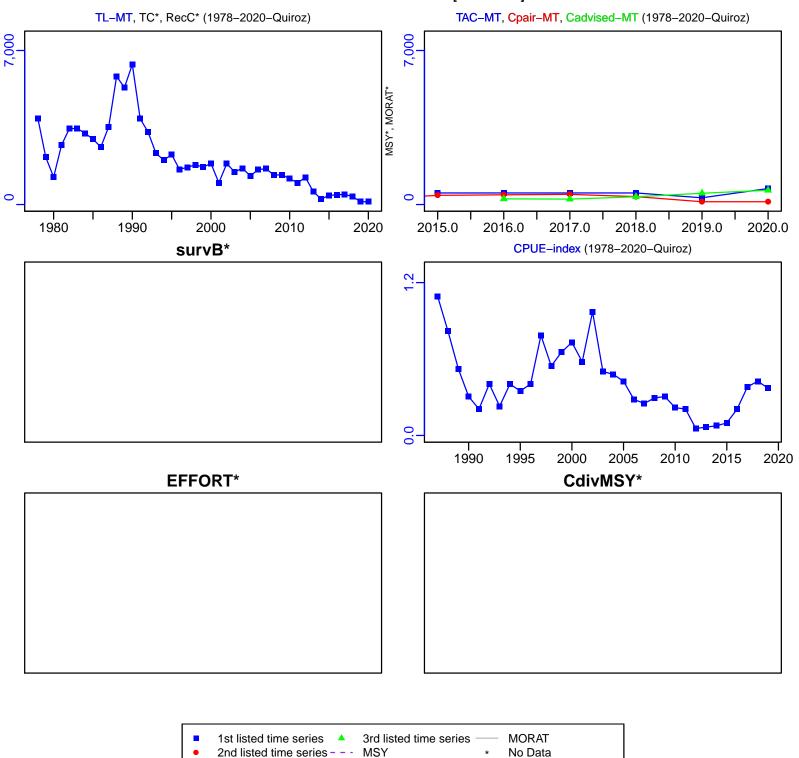
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2020	11,983	Both	-
SSB	SSB-MT	2020	4109	Both	-
TN	-	-	-	-	-
R	R-E00	2020	1860	Both	-
F	F-1/yr	2020	0.03	Both	-
ER	ER-calc-ratio	2020	0.01	-	-
TC	-	-	-		
TL	TL-MT	2020	117		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2020	0.92		
F/Fmsy	FdivFmsy-dimensionless	2020	0.16		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2020	0.923		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



## Pink cusk eel Southern Chile [PCEELSCH]



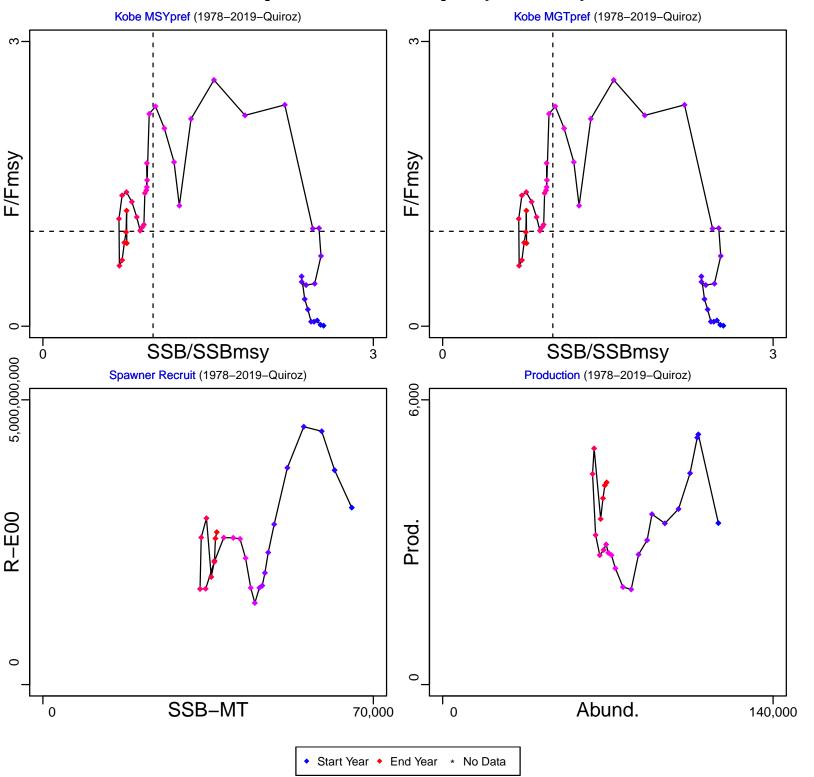
## Pink cusk eel Southern Chile [PCEELSCH]

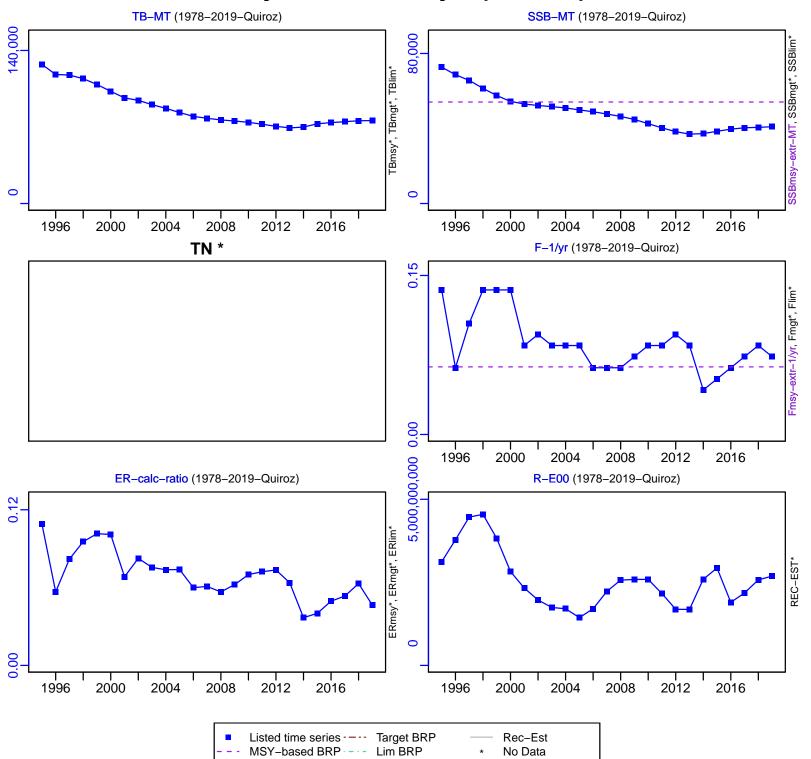


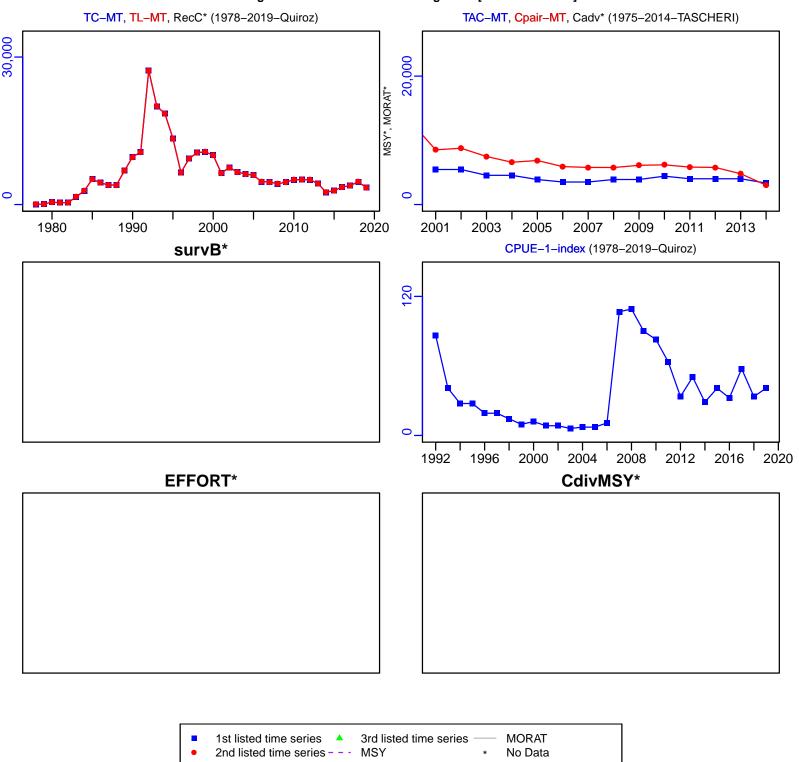
Metadata			
Scientific Name	Dissostichus eleginoides		
Current Assess ID IFP-PTOOTHFISHCH-1978-2019-Quiroz			
Area South Chile Argentina			
Management Authority   Separate management by Chile (SUBPESCA) and Argentina (CF			
Assessor Instituto de Fomento Pesquero - Chilean Fisheries Development Institute			
Asmts in RAM	2014, 2019, 2011		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-extr-MT	2019	48,689		
Fmsy	Fmsy-extr-1/yr	2019	0.061		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	M-1/yr	2014	0.15		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2019	69,644	Both	-
SSB	SSB-MT	2019	36,836	Both	-
TN	-	-	-	-	-
R	R-E00	2019	$2.676 \times 10^{9}$	Both	-
F	F-1/yr	2019	0.07	-	-
ER	ER-calc-ratio	2019	0.043	-	-
TC	TC-MT	2019	3024		
TL	TL-MT	2019	3024		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2019	0.761		
F/Fmsy	FdivFmsy-dimensionless	2019	0.874		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



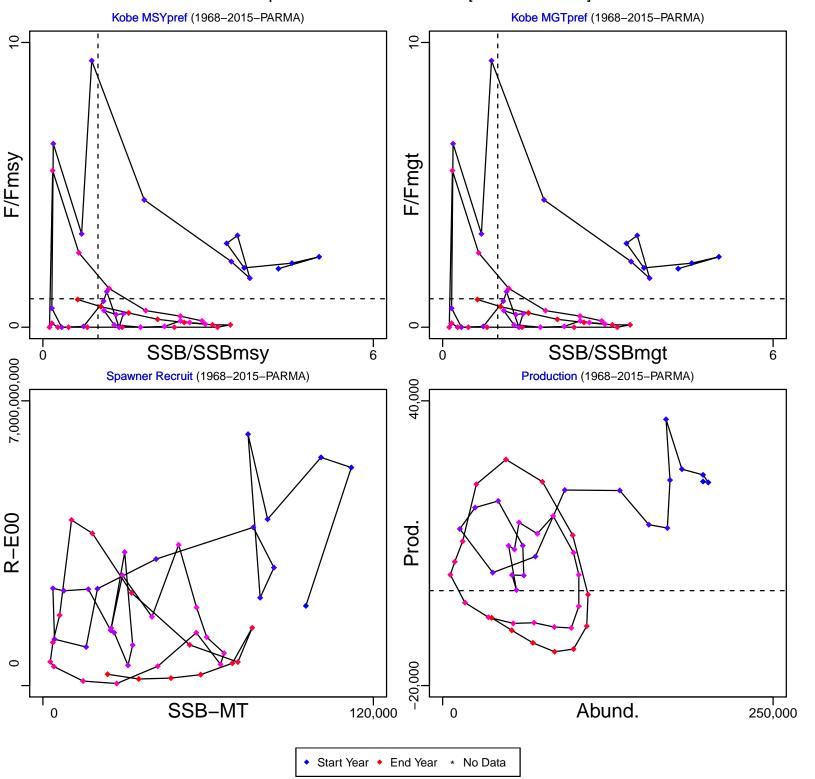


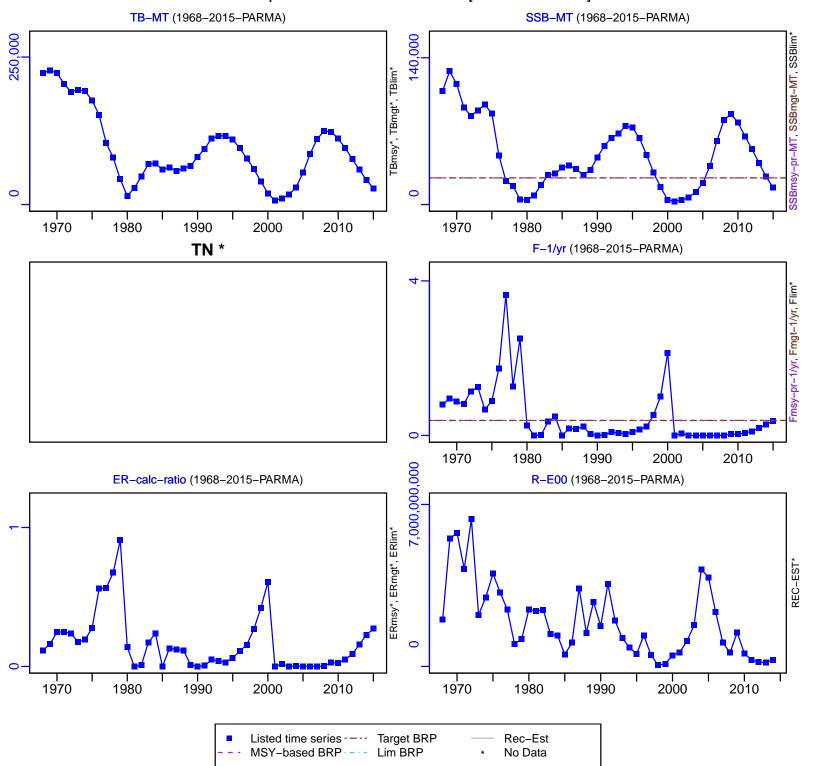


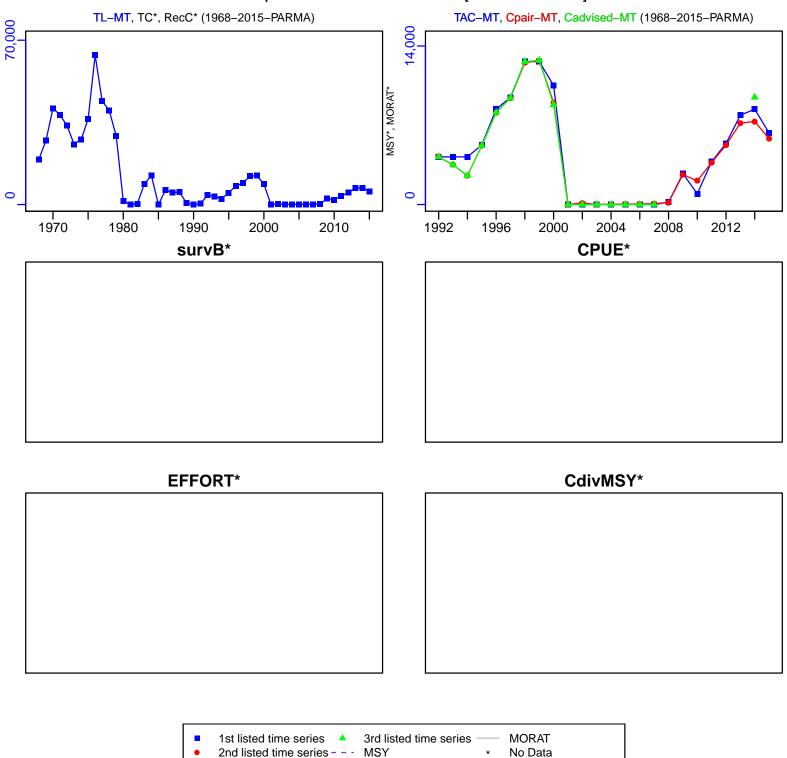
Metadata			
Scientific Name	Pleuroncodes monodon		
Current Assess ID IFOPCH-RSQLOBSTERCSCH-1968-2015-PARMA			
Area Central-Southern Chile			
Management Authority Subsecretaria de Pesca			
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute		
Asmts in RAM	2015		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-pr-MT	2015	22,330	
Fmsy	Fmsy-pr-1/yr	2015	0.36	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2015	22,330	
Fmgt	Fmgt-1/yr	2015	0.36	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	M-1/yr	2015	0.35	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	TB-MT	2015	24,400	Both	-	
SSB	SSB-MT	2015	14,100	Both	-	
TN	-	-	-	-	-	
R	R-E00	2015	$2.78 \times 10^{8}$	Both	1	
F	F-1/yr	2015	0.35	Both	-	
ER	ER-calc-ratio	2015	0.226	-	-	
TC	-	-	-			
TL	TL-MT	2015	5520			
TB/TBmsy	-	-	-			
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2015	0.631			
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2015	0.972			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	0.631			
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.972			
ER/ERmgt	-	-	-			







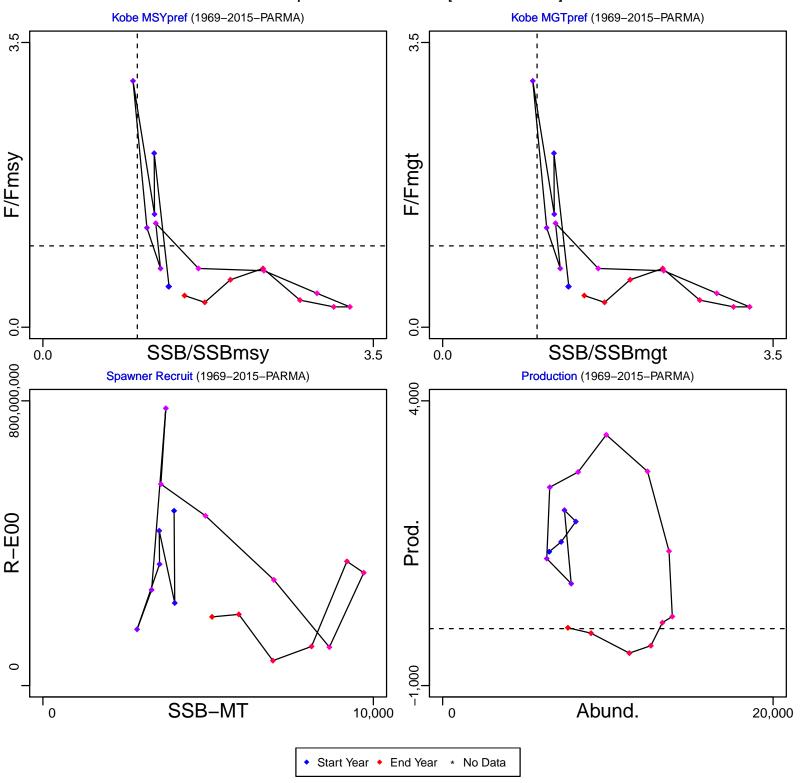
# Red squat lobster Northern Chile [RSQLOBSTERNCH]

Metadata				
Scientific Name	Pleuroncodes monodon			
Current Assess ID	IFOPCH-RSQLOBSTERNCH-1969-2015-PARMA			
Area	Northern Chile			
Management Authority	Subsecretaria de Pesca			
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute			
Asmts in RAM	2015			

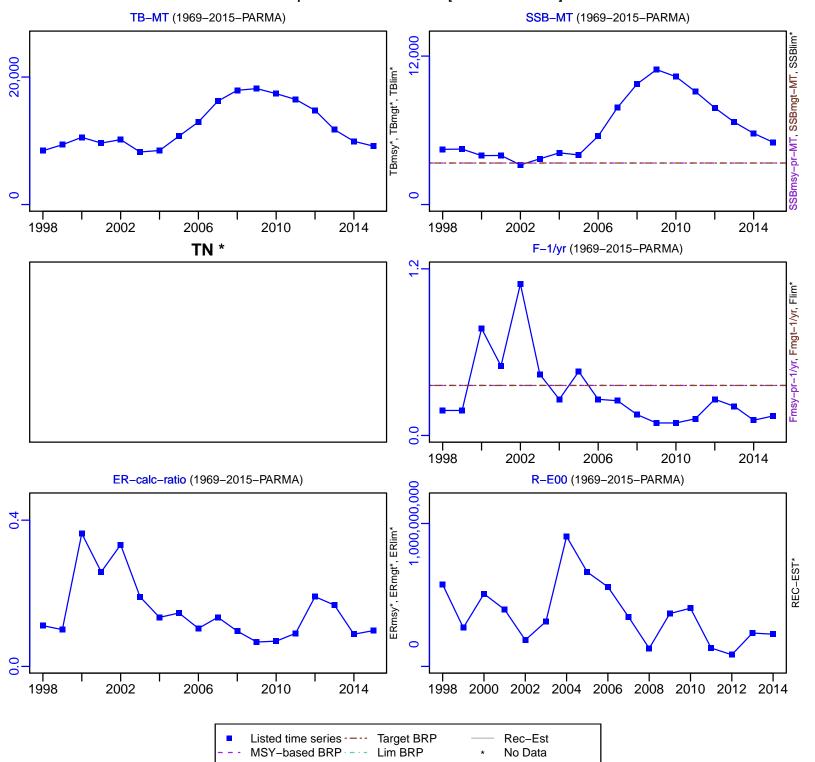
Reference Points						
Туре	ID	Asmt Year	Value			
TBmsy	-	-	-			
SSBmsy	SSBmsy-pr-MT	2015	2986			
Fmsy	Fmsy-pr-1/yr	2015	0.36			
ERmsy	-	-	-			
TBmgt	-	-	-			
SSBmgt	SSBmgt-MT	2015	2986			
Fmgt	Fmgt-1/yr	2015	0.36			
ERmgt	-	-	-			
TB0	-	-	-			
SSB0	-	-	-			
MSY	-	-	-			
М	M-1/yr	2015	0.35			
TBlim	-	-	-			
SSBlim	-	-	-			
Flim	-	-	-			
ERlim	-	-	-			

Time Series							
Туре	ID	Asmt Year	Curr Value	Sex	Age		
ТВ	TB-MT	2015	7010	Both	-		
SSB	SSB-MT	2015	4480	Both	-		
TN	-	-	-	-	-		
R	R-E00	2015	$1.93 \times 10^{8}$	Both	1		
F	F-1/yr	2015	0.14	Both	-		
ER	ER-calc-ratio	2015	0.086	-	-		
TC	-	-	-				
TL	TL-MT	2015	602				
TB/TBmsy	-	-	-				
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2015	1.5				
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2015	0.389				
ER/ERmsy	-	-	-				
TB/TBmgt	-	-	-				
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	1.5				
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.389				
ER/ERmgt	-	-	-				

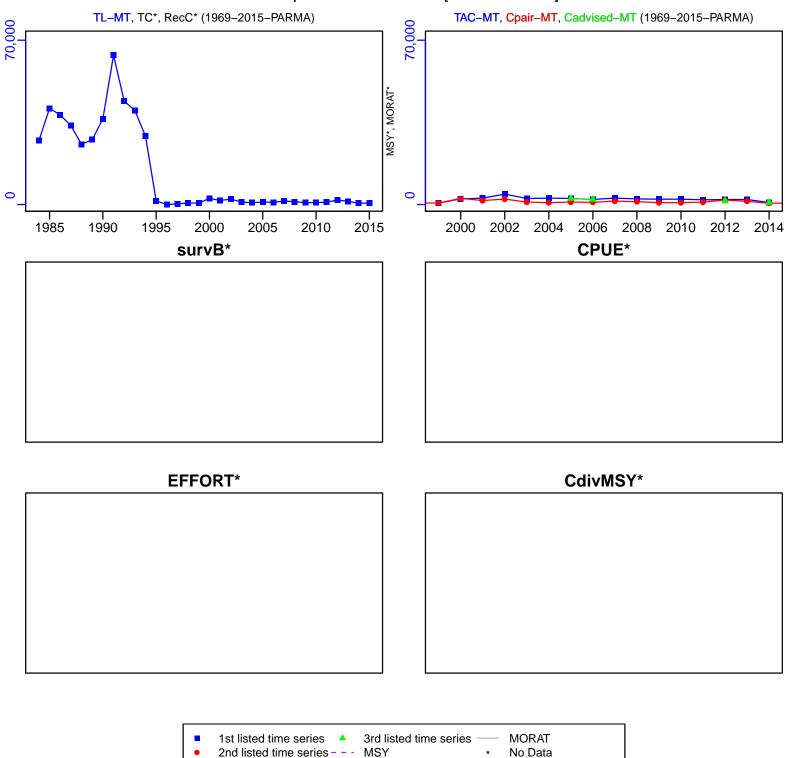
## Red squat lobster Northern Chile [RSQLOBSTERNCH]



#### Red squat lobster Northern Chile [RSQLOBSTERNCH]



## Red squat lobster Northern Chile [RSQLOBSTERNCH]

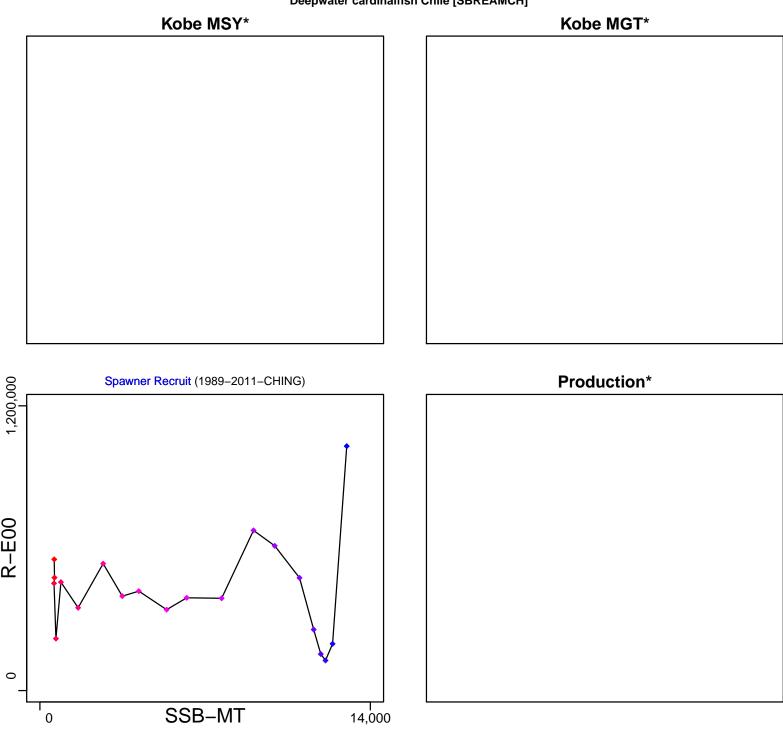


# Deepwater cardinalfish Chile [SBREAMCH]

Metadata			
Scientific Name	Epigonus crassicaudus		
Current Assess ID	SPRFMO-SBREAMCH-1989-2011-CHING		
Area	Chile		
Management Authority	South Pacific Regional Fisheries Management Organization		
Assessor	South Pacific Regional Fisheries Management Organization		
Asmts in RAM	2011		

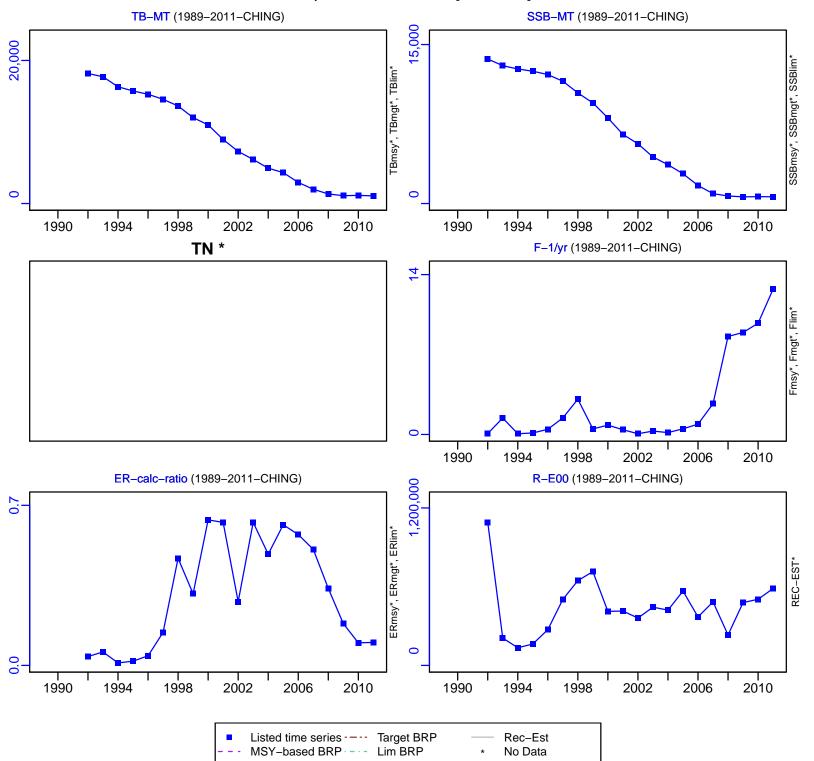
F	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2011	920	-	-
SSB	SSB-MT	2011	607	-	-
TN	-	-	-	-	-
R	R-E00	2011	553,000	-	-
F	F-1/yr	2011	12.2	-	-
ER	ER-calc-ratio	2011	0.097	-	-
TC	-	-	-		
TL	TL-MT	2011	89	]	
TB/TBmsy	-	-	-	]	
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

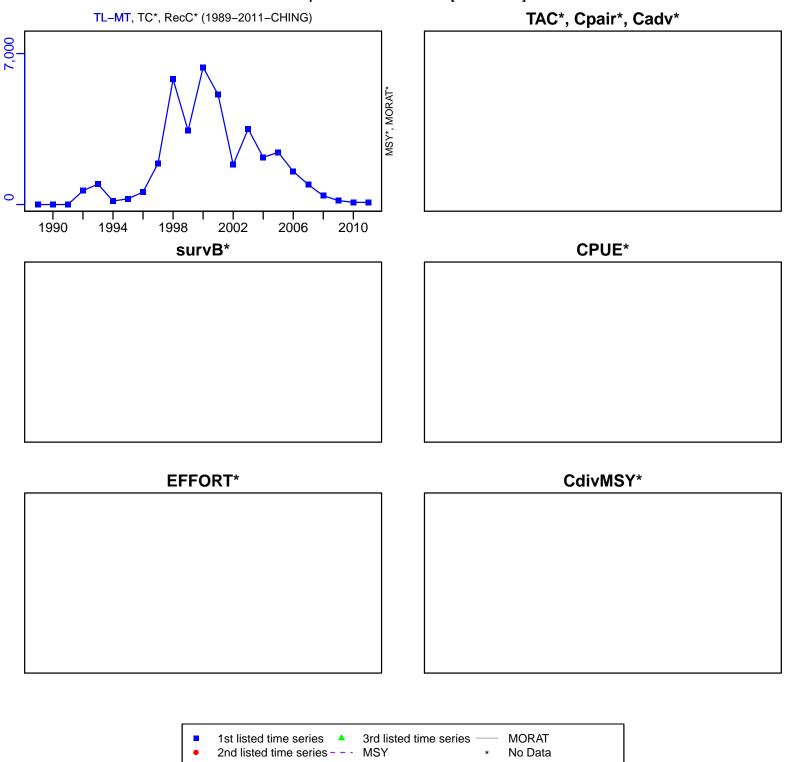


Start Year → End Year → No Data

# Deepwater cardinalfish Chile [SBREAMCH]



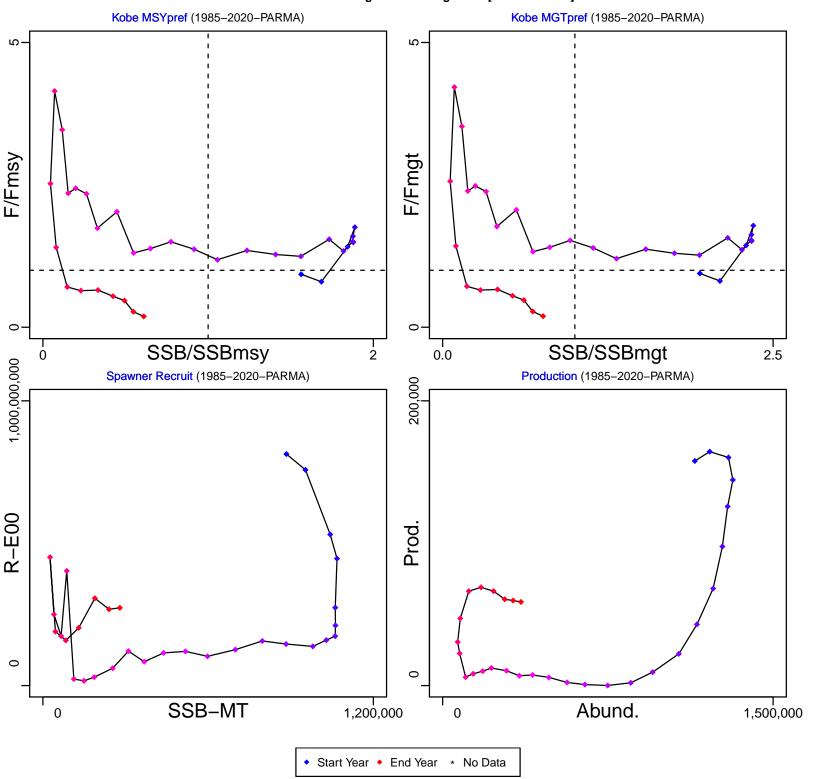
# Deepwater cardinalfish Chile [SBREAMCH]

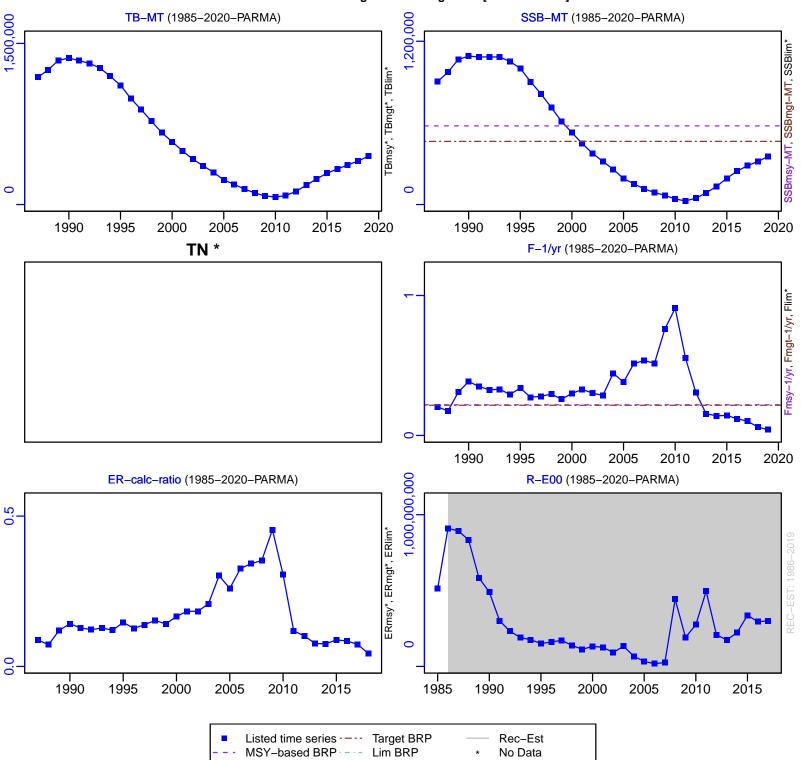


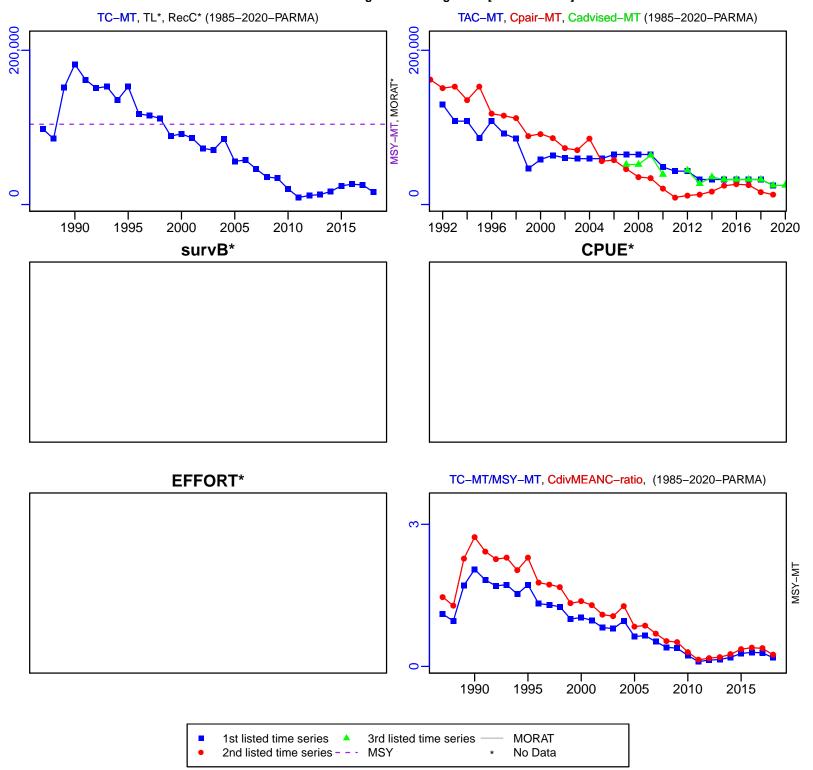
Metadata			
Scientific Name	Micromesistius australis		
Current Assess ID	INIDEP-SBWHITARGS-1985-2020-PARMA		
Area Southern Argentina			
Management Authority	Consejo Federal Pesquero, Argentina national management		
Assessor	Instituto Nacional de Investigacion y Desarrollo Pesquero		
Asmts in RAM	2007, 2015, 2020		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2020	565,722	
Fmsy	Fmsy-1/yr	2020	0.184	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2020	454,500	
Fmgt	Fmgt-1/yr	2020	0.181	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2015	1,515,000	
MSY	MSY-MT	2020	96,296	
М	M-1/yr	2020	0.15	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2015	303,000	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	TB-MT	2020	435,368	-	1+	
SSB	SSB-MT	2020	345,247	Both	2+	
TN	-	-	-	-	-	
R	R-E00	2020	273,046,667	-	1	
F	F-1/yr	2020	0.035	-	3-21+	
ER	ER-calc-ratio	2020	0.039	-	-	
TC	TC-MT	2020	15,050			
TL	-	-	-			
TB/TBmsy	-	-	-			
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2020	0.61			
F/Fmsy	F-1/yr/Fmsy-1/yr	2020	0.19			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2020	0.76			
F/Fmgt	F-1/yr/Fmgt-1/yr	2020	0.193			
ER/ERmgt	-	-	-			



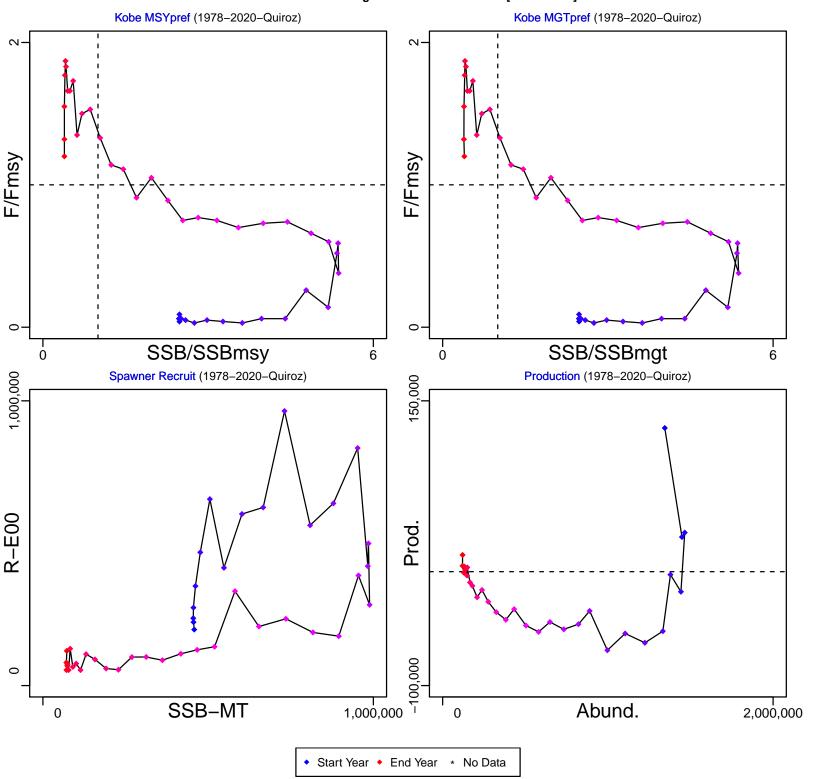


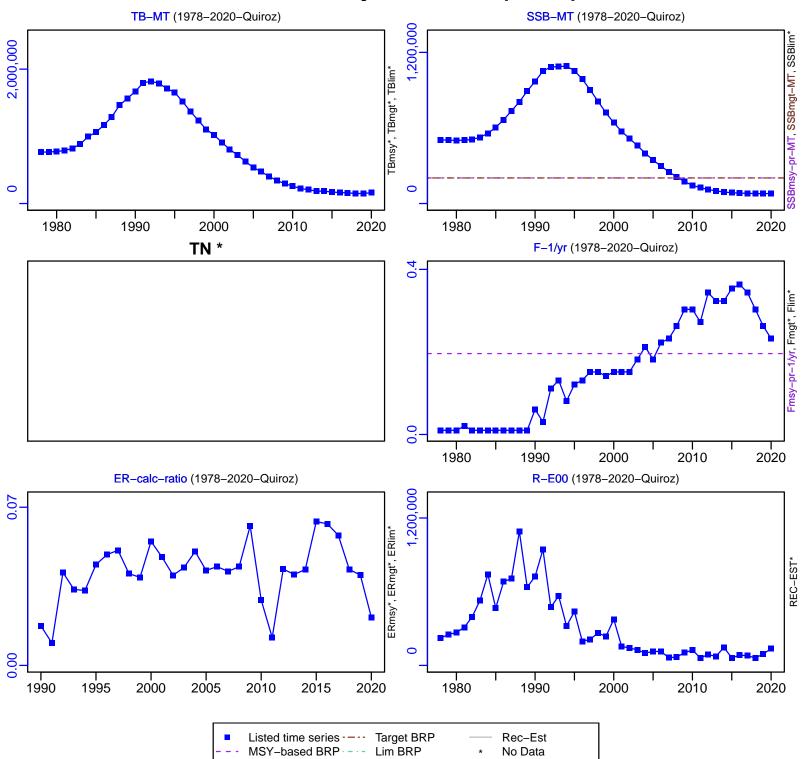


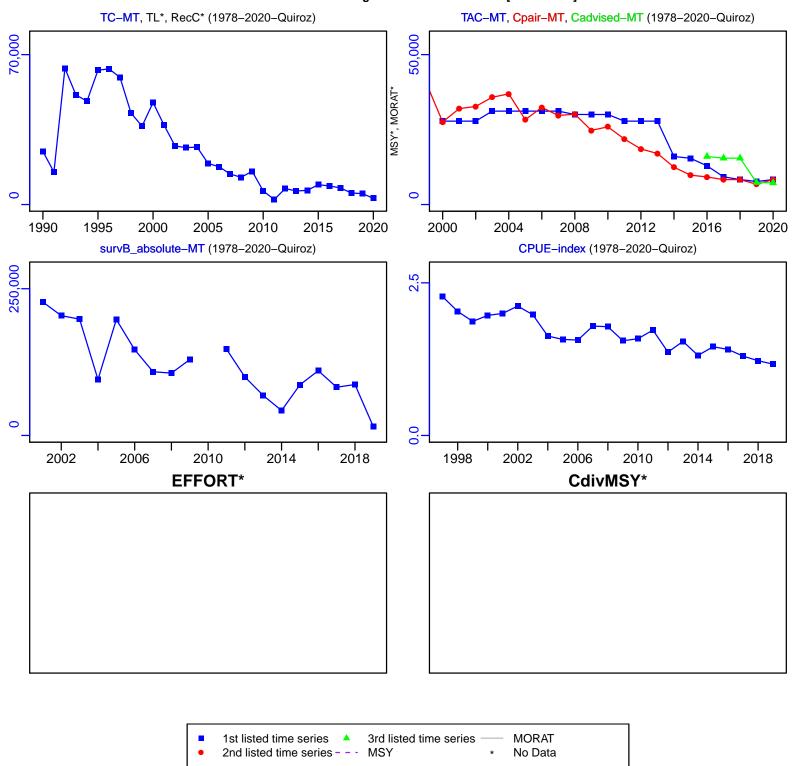
Metadata			
Scientific Name	Micromesistius australis		
Current Assess ID	IFOPCH-SBWHITCH-1978-2020-Quiroz		
Area Central-Southern Chile			
Management Authority	Subsecretaria de Pesca		
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute		
Asmts in RAM	2015, 2016, 2020, 2012		

Reference Points				
Type	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-pr-MT	2020	183,968	
Fmsy	Fmsy-pr-1/yr	2020	0.194	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2020	183,968	
Fmgt	Fmgt-1/yr	2015	0.2	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2020	459,920	
MSY	-	-	-	
М	M-1/yr	2016	0.18	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2020	130,562	Both	-
SSB	SSB-MT	2020	72,421	Both	-
TN	-	-	-	-	-
R	R-E00	2020	121,775	Both	-
F	F-1/yr	2020	0.23	Both	-
ER	ER-calc-ratio	2020	0.02	-	-
TC	TC-MT	2020	2634		
TL	TL-MT	2015	16,600		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2020	0.39		
F/Fmsy	FdivFmsy-dimensionless	2020	1.2		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2020	0.394		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	1.02		
ER/ERmgt	-	-	-		



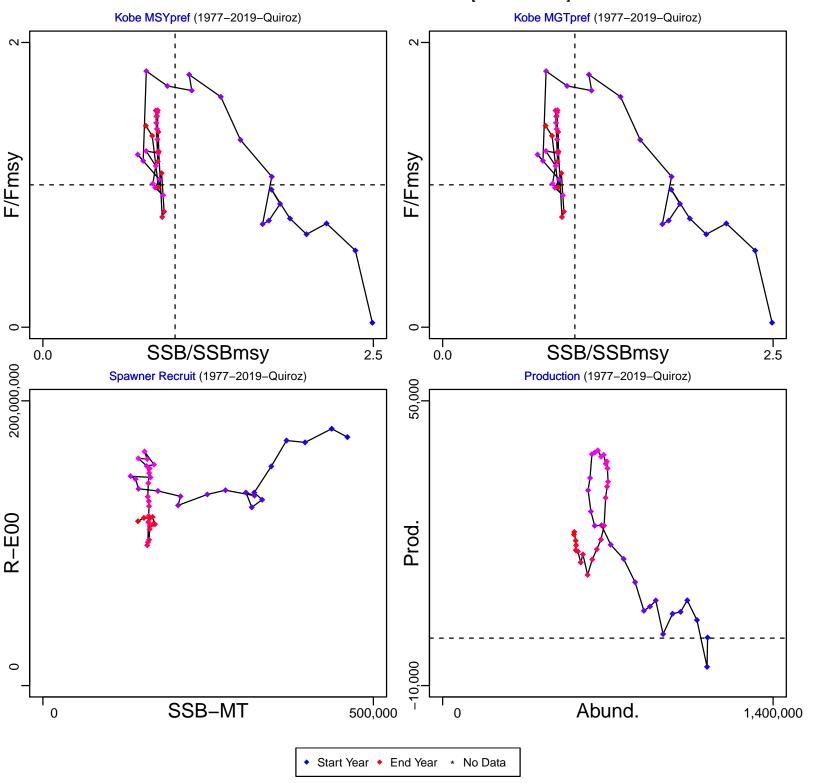


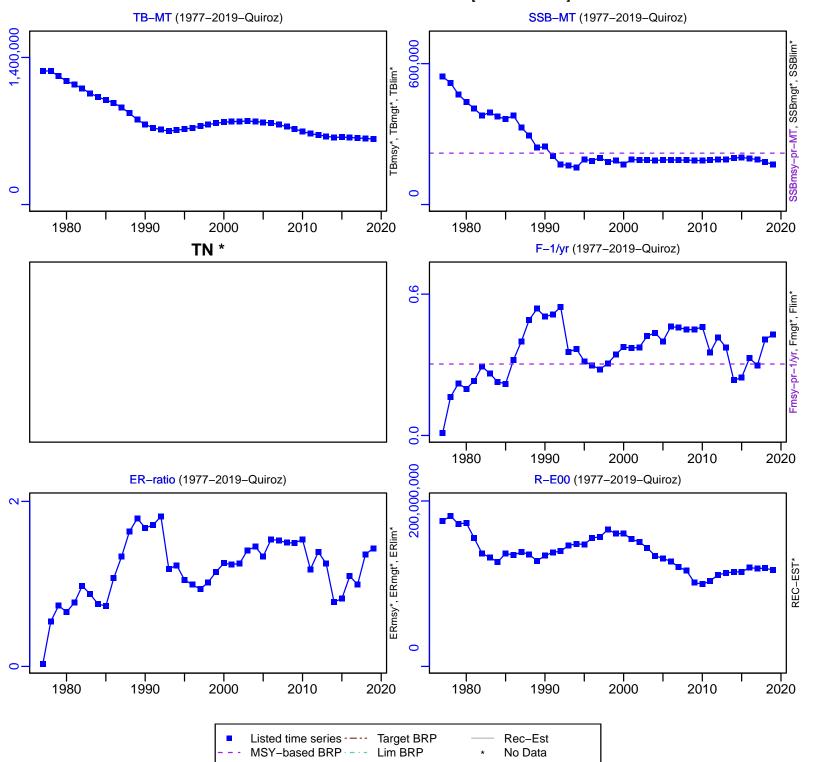


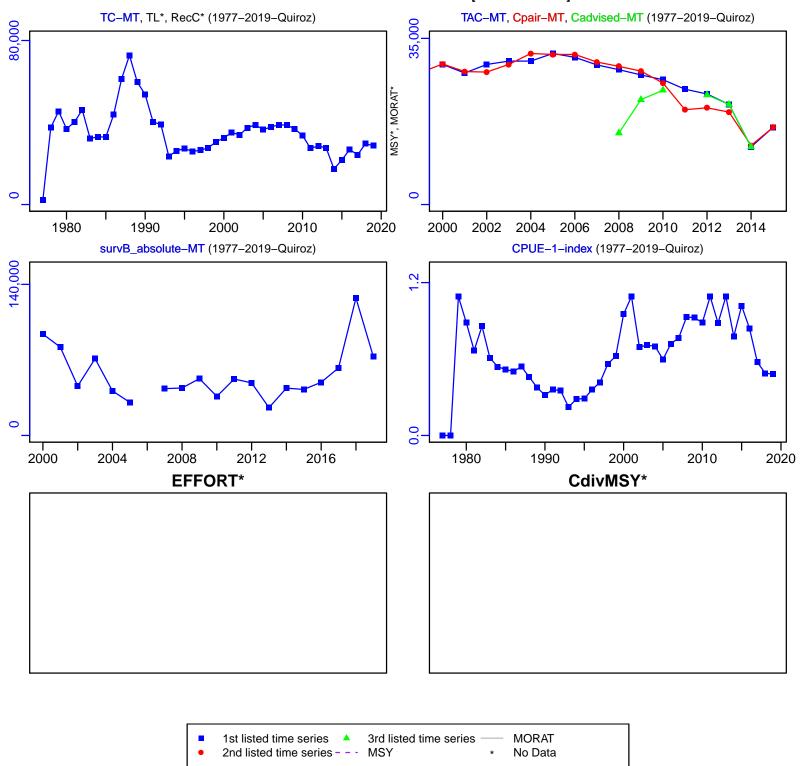
Metadata			
Scientific Name	Merluccius australis		
Current Assess ID	IFOPCH-SOUTHHAKECH-1977-2019-Quiroz		
Area Central-Southern Chile			
Management Authority	Subsecretaria de Pesca		
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute		
Asmts in RAM	2011, 2015, 2019		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-pr-MT	2019	184,844		
Fmsy	Fmsy-pr-1/yr	2019	0.257		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2015	172,400		
Fmgt	Fmgt-1/yr	2015	0.313		
ERmgt	-	-	-		
TB0	TB0-MT	2015	940,000		
SSB0	SSB0-MT	2019	462,111		
MSY	-	-	-		
М	M-1/yr	2015	0.21		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2019	548,813	-	-
SSB	SSB-MT	2019	143,892	Both	-
TN	-	-	-	-	-
R	R-E00	2019	115,428,000	Both	-
F	F-1/yr	2019	0.364	Both	-
ER	ER-ratio	2019	1.415	-	-
TC	TC-MT	2019	28,214		
TL	TL-MT	2015	16,200		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2019	0.778		
F/Fmsy	FdivFmsy-dimensionless	2019	1.415		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	0.539		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	1.086		
ER/ERmgt	-	-	-		



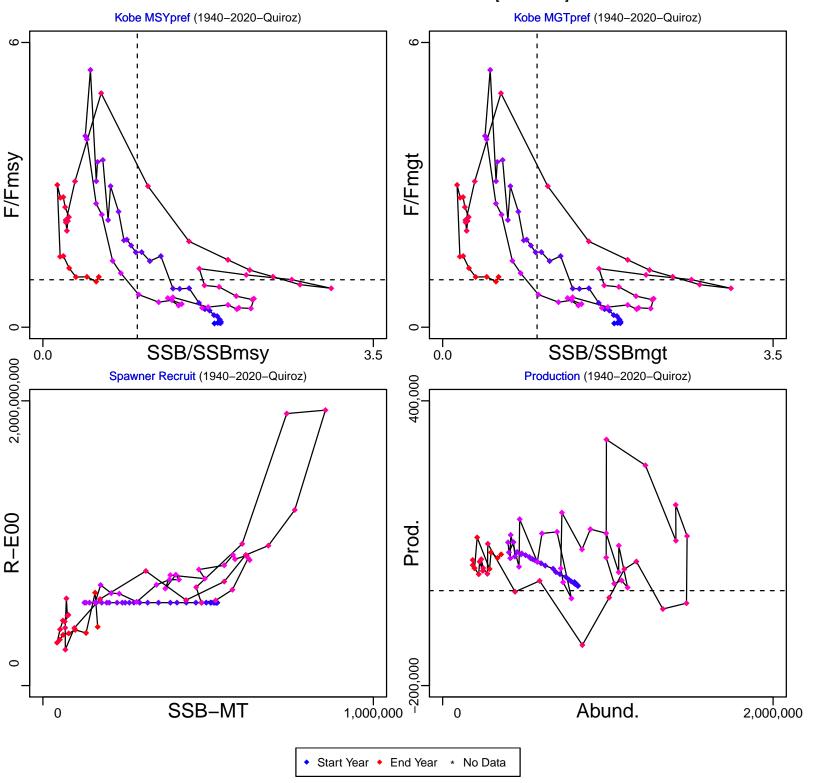


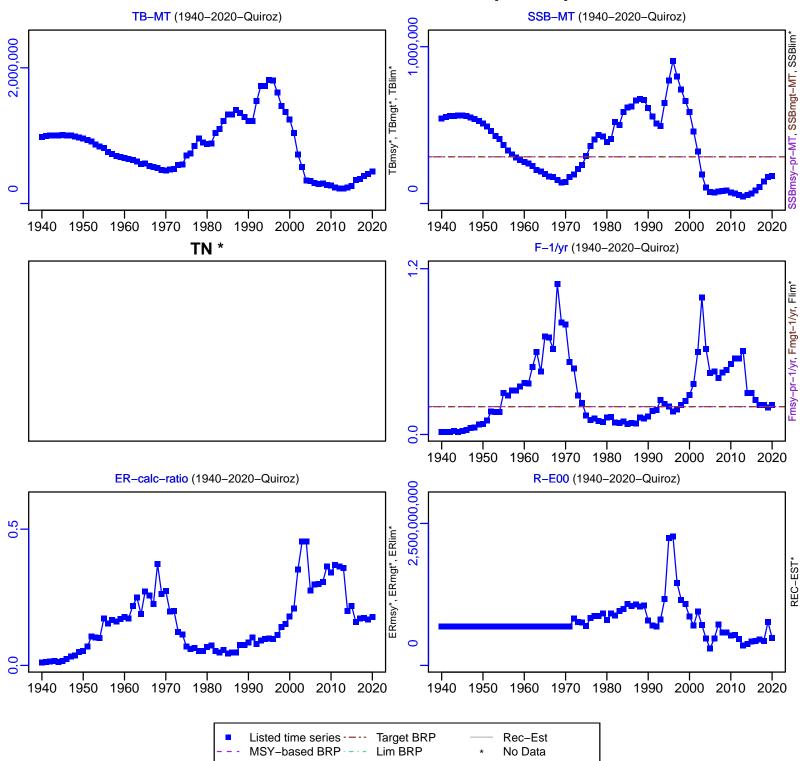


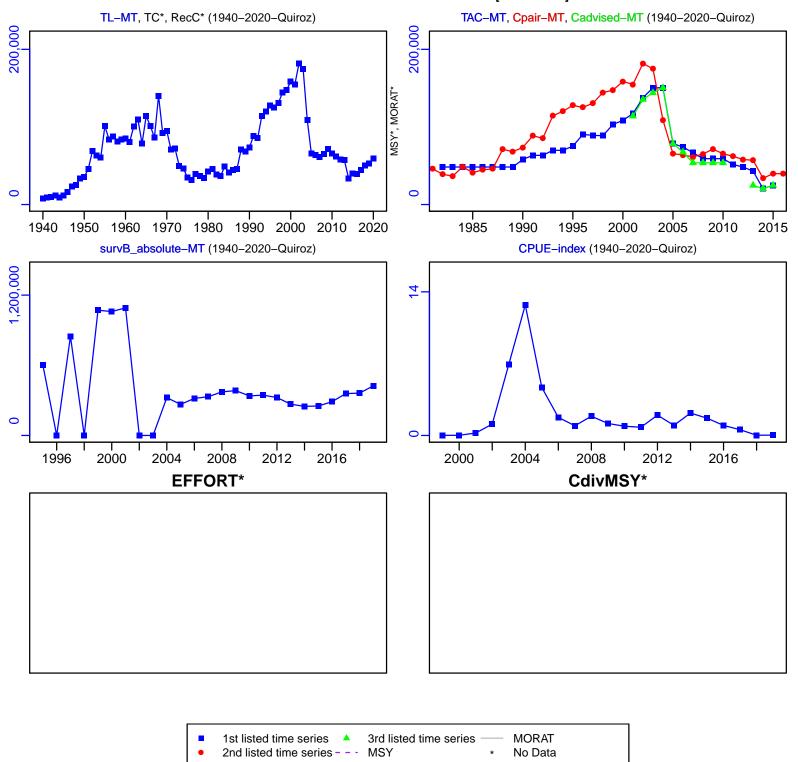
Metadata			
Scientific Name	Merluccius gayi		
Current Assess ID	IFOPCH-SPHAKECH-1940-2020-Quiroz		
Area Central-Southern Chile			
Management Authority	Subsecretaria de Pesca		
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute		
Asmts in RAM	2015, 2020, 2012		

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-pr-MT	2020	280,000
Fmsy	Fmsy-pr-1/yr	2020	0.2
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2020	280,000
Fmgt	Fmgt-1/yr	2020	0.2
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-MT	2020	587,360
MSY	-	-	-
M	M-1/yr	2015	0.33
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2020	381,369	-	-
SSB	SSB-MT	2020	165,767	Both	-
TN	-	-	-	-	-
R	R-E00	2020	412,339,000	Both	-
F	F-1/yr	2020	0.212	-	-
ER	ER-calc-ratio	2020	0.145	-	-
TC	-	-	-		
TL	TL-MT	2020	55,400		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2020	0.592		
F/Fmsy	FdivFmsy-dimensionless	2020	1.06		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2020	0.592		
F/Fmgt	F-1/yr/Fmgt-1/yr	2020	1.06		
ER/ERmgt	-	-	-		



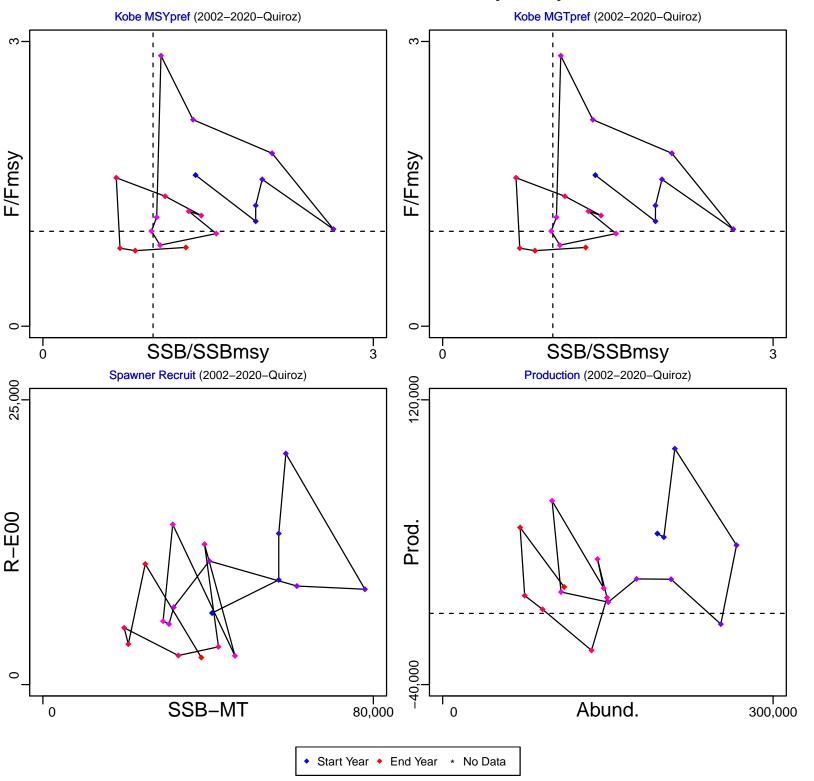


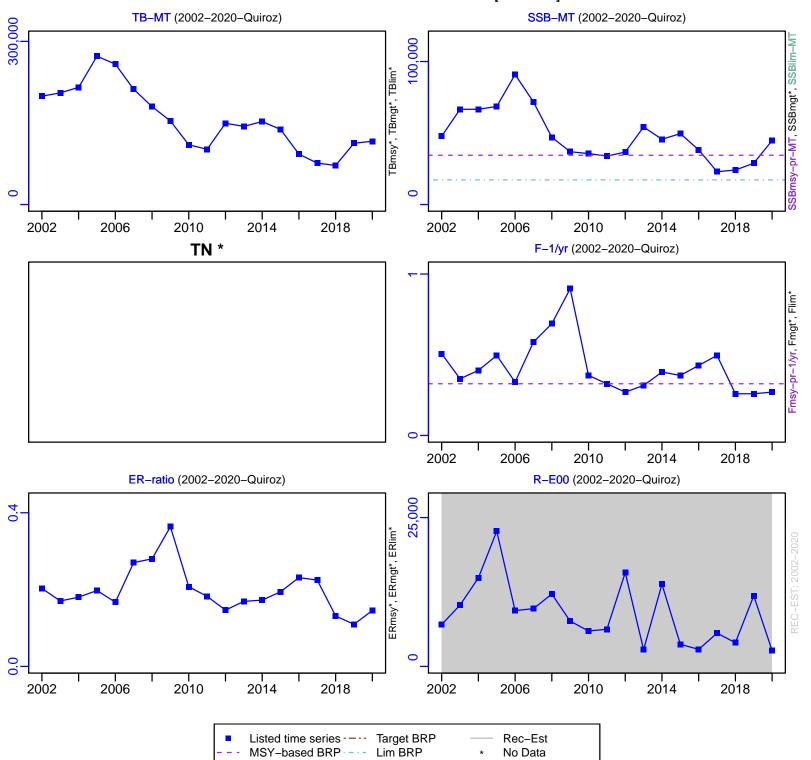


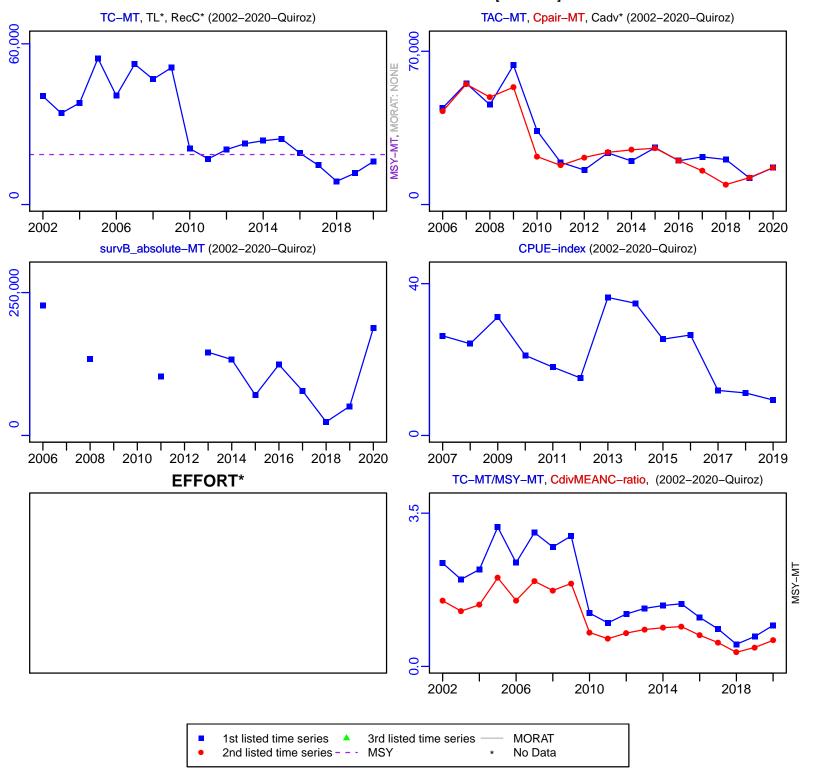
Metadata			
Scientific Name	Sprattus fuegensis		
Current Assess ID	IFOPCH-SSARDCH-2002-2020-Quiroz		
Area	Central-Southern Chile		
Management Authority	Subsecretaria de Pesca		
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute		
Asmts in RAM	2020, 2012, 2016		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-pr-MT	2020	29,549		
Fmsy	Fmsy-pr-1/yr	2020	0.31		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2016	32,400		
Fmgt	Fmgt-1/yr	2016	0.34		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	SSB0-MT	2020	53,725		
MSY	MSY-MT	2020	17,982		
М	M-1/yr	2020	0.83		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2020	14,774		
Flim	-	-	-		
ERlim	-	-	-		

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2020	113,800	-	-
SSB	SSB-MT	2020	38,349	Both	-
TN	-	-	-	-	-
R	R-E00	2020	2378	Both	-
F	F-1/yr	2020	0.26	Both	-
ER	ER-ratio	2020	0.134	-	-
TC	TC-MT	2020	15,471		
TL	TL-MT	2016	20,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2020	1.298		
F/Fmsy	FdivFmsy-dimensionless	2020	0.83		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.296		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.941		
ER/ERmgt	-	-	-		



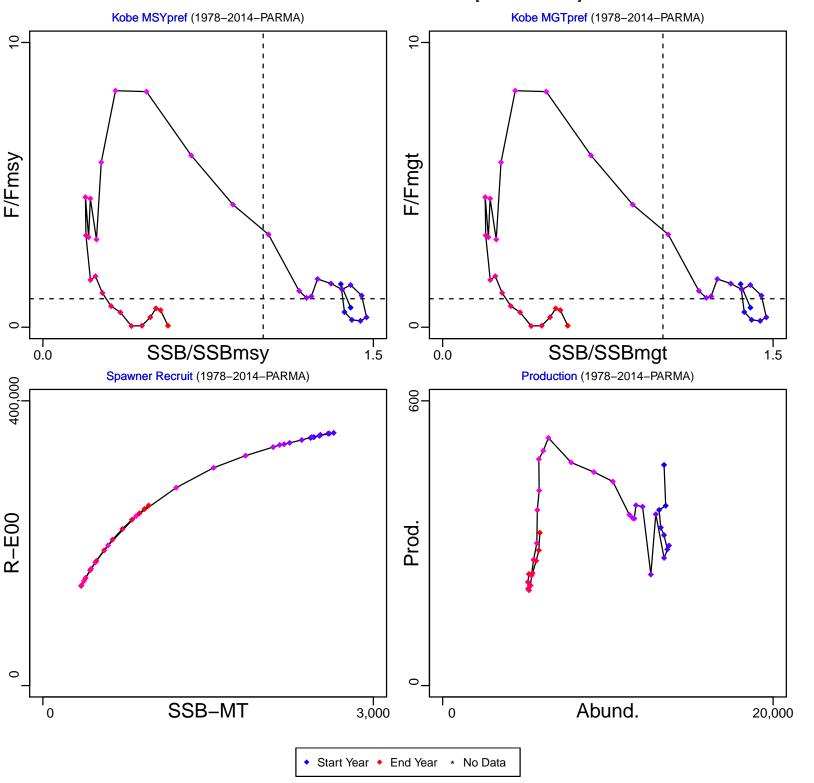


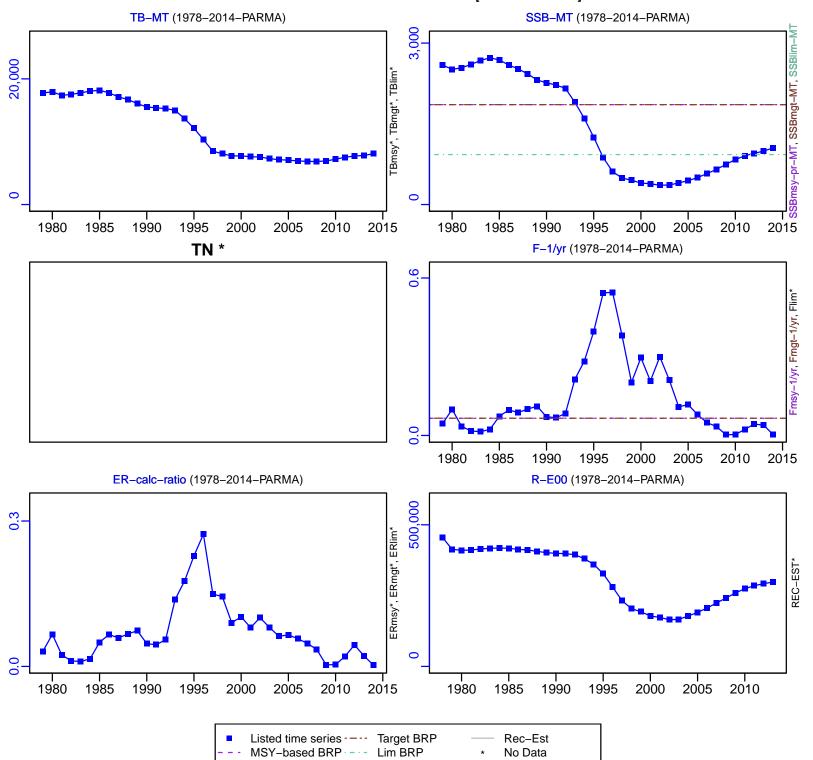


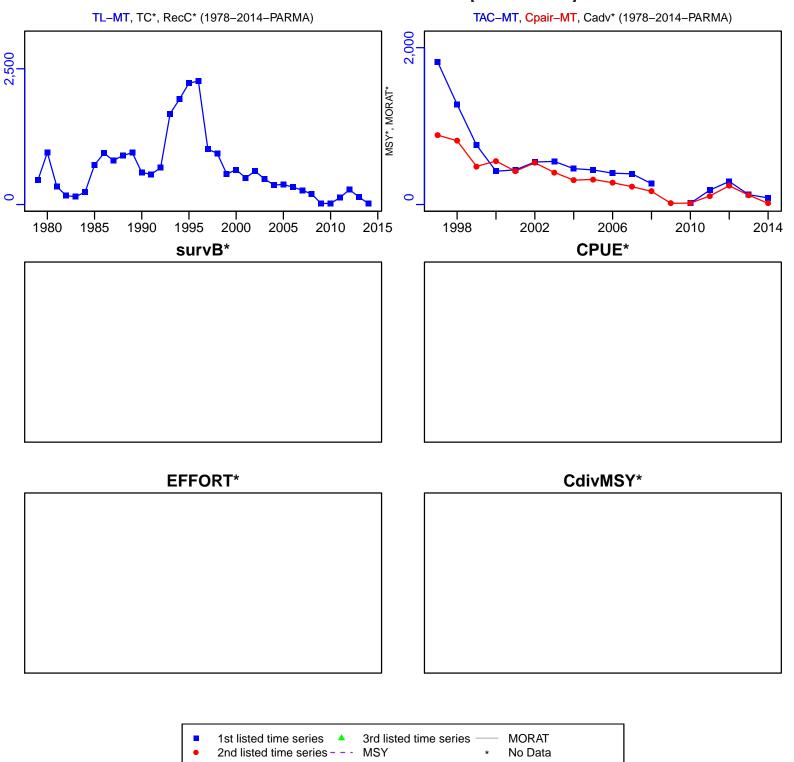
Metadata			
Scientific Name	Zearaja chilensis		
Current Assess ID	IFOPCH-YNOSESKACSCH-1978-2014-PARMA		
Area Central-Southern Chile			
Management Authority	Subsecretaria de Pesca		
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute		
Asmts in RAM	2014		

	Reference Points			
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-pr-MT	2014	1797	
Fmsy	Fmsy-1/yr	2014	0.062	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2014	1797	
Fmgt	Fmgt-1/yr	2014	0.062	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2014	3993	
MSY	-	-	-	
М	M-1/yr	2014	0.14	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2014	898	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2014	6090	-	-
SSB	SSB-MT	2014	1020	Females	-
TN	-	-	-	-	-
R	R-E00	2014	253,000	-	1
F	F-1/yr	2014	0.003	Females	-
ER	ER-calc-ratio	2014	0.002	-	-
TC	-	-	-		
TL	TL-MT	2014	15		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2014	0.568		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.053		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	0.568		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	0.053		
ER/ERmgt	-	-	-		







Metadata			
Scientific Name	Zearaja chilensis		
Current Assess ID	IFOPCH-YNOSESKASCH-1978-2014-PARMA		
Area Southern Chile			
Management Authority	Subsecretaria de Pesca		
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute		
Asmts in RAM	2014		

	Reference Points			
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-pr-MT	2014	3327	
Fmsy	Fmsy-1/yr	2014	0.062	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2014	3327	
Fmgt	Fmgt-1/yr	2014	0.062	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2014	7394	
MSY	-	-	-	
М	M-1/yr	2014	0.14	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2014	1664	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2014	3850	-	-
SSB	SSB-MT	2014	341	Females	-
TN	-	-	-	-	-
R	R-E00	2014	113	-	1
F	F-1/yr	2014	0.007	Females	-
ER	ER-calc-ratio	2014	0.004	-	-
TC	-	-	-		
TL	TL-MT	2014	16		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2014	0.102		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.112		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	0.102		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	0.112		
ER/ERmgt	-	-	-		

