US West Coast Stocks

v4.25 (Dec-14-2017)

- 1. Albacore tuna North Pacific [ALBANPAC]
- 2. Arrowtooth flounder Pacific Coast [ARFLOUNDPCOAST]
- 3. Aurora rockfish Pacific Coast [AUROCKPCOAST]
- 4. Blackgill rockfish Pacific Coast [BGROCKPCOAST]
- 5. Black rockfish California [BLACKROCKCAL]
- 6. Black rockfish Oregon [BLACKROCKORECOAST]
- 7. Black rockfish Washington [BLACKROCKWASH]
- 8. Blue rockfish California [BLUEROCKCAL]
- 9. Bank Rockfish California [BNKROCKCAL]
- 10. Bocaccio Southern Pacific Coast [BOCACCSPCOAST]
- 11. Brown rockfish Pacific Coast [BRNROCKPCOAST]
- 12. Cabezon Northern California [CABEZNCAL]
- 13. Cabezon Oregon Coast [CABEZORECOAST]
- 14. Cabezon Southern California [CABEZSCAL]
- 15. California scorpionfish Southern California [CALSCORPSCAL]
- 16. Chilipepper Southern Pacific Coast [CHILISPCOAST]
- 17. China rockfish Central Pacific Coast [CHROCKCPCOAST]
- 18. China rockfish Northern Pacific Coast [CHROCKNPCOAST]
- 19. China rockfish Southern Pacific Coast [CHROCKSPCOAST]
- 20. Pacific chub mackerel Pacific Coast [CMACKPCOAST]
- 21. Cowcod Southern California [COWCODSCAL]
- 22. Copper rockfish Pacific Coast [CPRROCKPCOAST]
- 23. Canary rockfish Pacific Coast [CROCKPCOAST]
- 24. Darkblotched rockfish Pacific Coast [DKROCKPCOAST]
- 25. Dover sole Pacific Coast [DSOLEPCOAST]
- 26. English sole Pacific Coast [ESOLEPCOAST]
- 27. Gopher rockfish Southern Pacific Coast [GOPHERSPCOAST]
- 28. Greenstriped rockfish Pacific Coast [GRNSTROCKPCOAST]
- 29. Greenspotted rockfish Pacific Coast North [GRSPROCKNCAL]
- 30. Greenspotted rockfish Pacific Coast South [GRSPROCKSCAL]
- 31. Kelp greenling Oregon Coast [KELPGREENLINGORECOAST]
- 32. Lingcod Northern Pacific Coast [LINGCODNPCOAST]
- 33. Lingcod Southern Pacific Coast [LINGCODSPCOAST]
- 34. Longnose skate Pacific Coast [LNOSESKAPCOAST]
- 35. Longspine thornyhead Pacific Coast [LSTHORNHPCOAST]
- 36. Pacific Geoduck Washington [PGEODWA]
- 37. Pacific hake Pacific Coast [PHAKEPCOAST]
- 38. Pacific ocean perch Pacific Coast [POPERCHPCOAST]
- 39. Petrale sole Pacific Coast [PSOLEPCOAST]
- 40. Rex sole Pacific Coast [REXSOLEPCOAST]
- 41. Sablefish Pacific Coast [SABLEFPCOAST]
- 42. Pacific sardine Pacific Coast [SARDPCOAST]
- 43. Shortbelly rockfish Pacific Coast [SBELLYROCKPCOAST]
- 44. Sharpchin rockfish Pacific Coast [SHCROCKPCOAST]
- 45. Splitnose Rockfish Pacific Coast [SNROCKPCOAST]
- 46. Spotted spiny dogfish Pacific Coast [SPSDOGPCOAST]
- 47. Shortspine thornyhead Pacific Coast [SSTHORNHPCOAST]
- 48. Starry flounder Northern Pacific Coast [STFLOUNNPCOAST]
- 49. Starry flounder Southern Pacific Coast [STFLOUNSPCOAST]
- 50. Widow rockfish Pacific Coast [WROCKPCOAST]

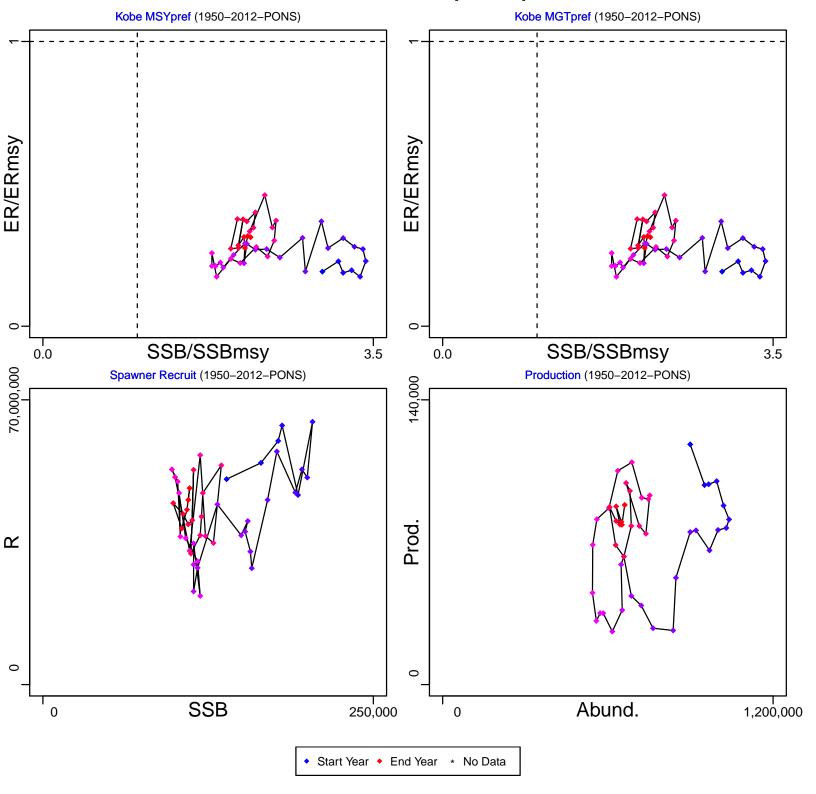
- 51. Yelloweye rockfish Pacific Coast [YEYEROCKPCOAST]52. Yellowtail rockfish Northern Pacific Coast [YTROCKNPCOAST]

Albacore tuna North Pacific [ALBANPAC]

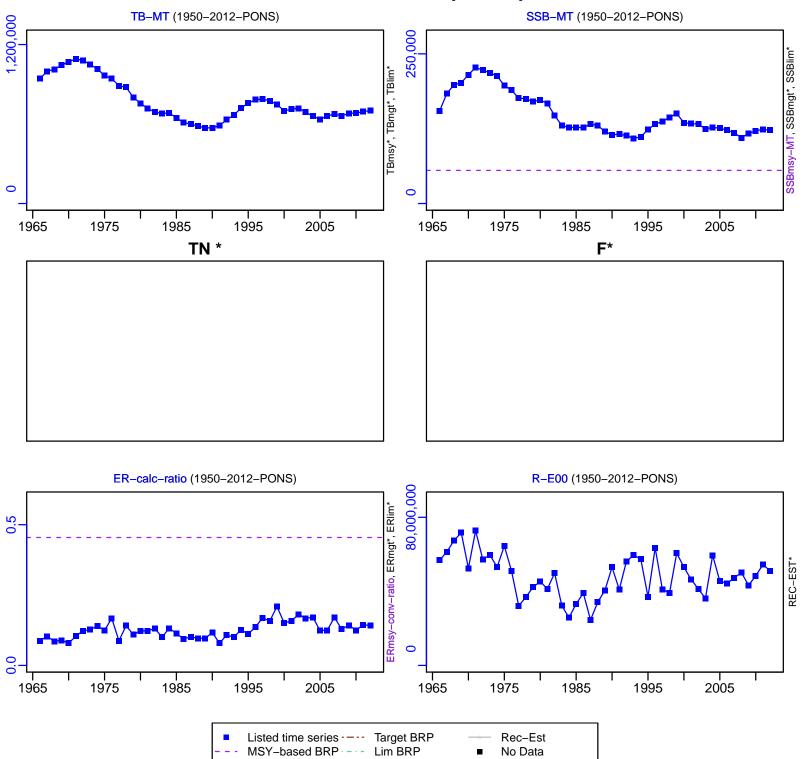
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Scientific Name	Thunnus alalunga		
Current Assess ID ISC-ALBANPAC-1950-2012-PONS			
Area North Pacific Ocean			
Management Authority International Scientific Committee for Tuna and Tuna-like Species in the North Pacific Ocean			
Assessor	International Scientific Committee for Tuna and Tuna-like Species in the North Pacific Ocean		
Asmts in RAM	2012		

	Reference Points			
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2012	49,680	
Fmsy	-	-	-	
ERmsy	ERmsy-conv-ratio	2012	0.38	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2012	105,571	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

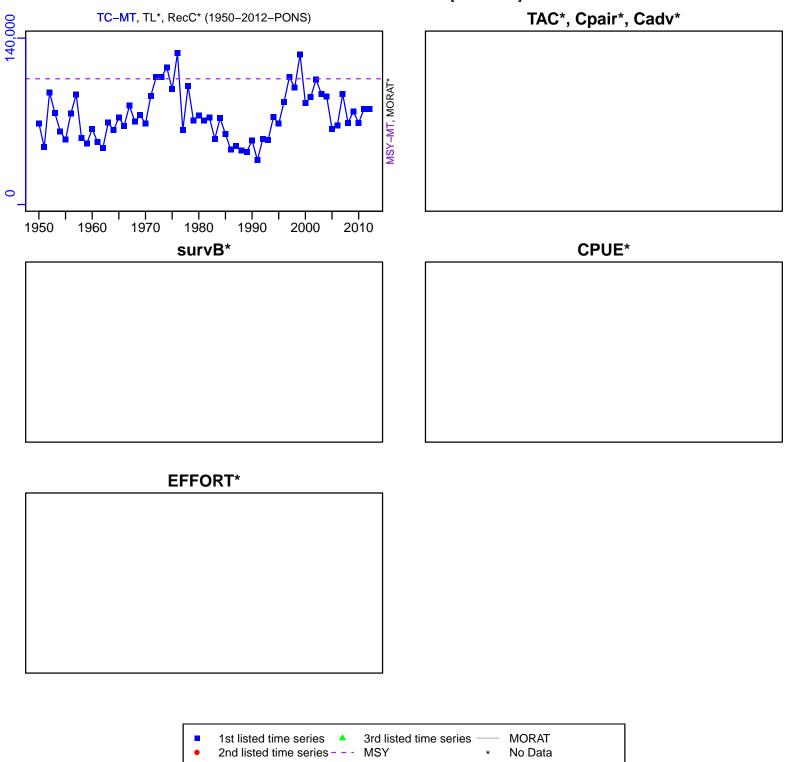
	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2012	669,000	Both	1+
SSB	SSB-MT	2012	110,000	Females	5+
TN	-	-	-	-	-
R	R-E00	2012	45,400,000	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2012	0	-	-
TC	TC-MT	2012	80,200		
TL	-	-	-]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2012	2.2	1	
F/Fmsy	FdivFmsy-dimensionless	2012	0.71]	
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2012	0.31		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



Albacore tuna North Pacific [ALBANPAC]



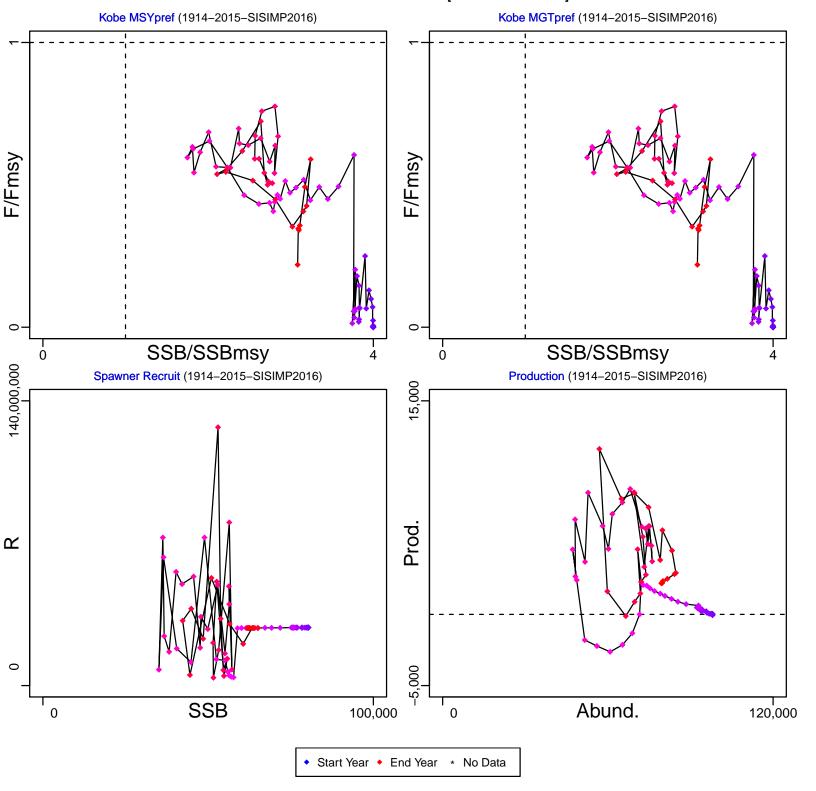
Albacore tuna North Pacific [ALBANPAC]

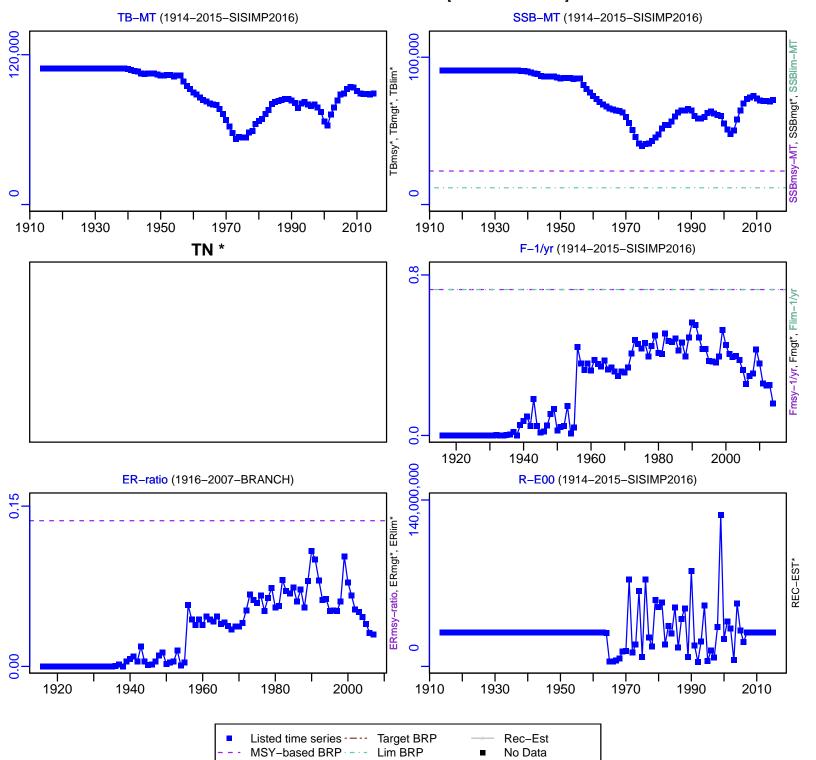


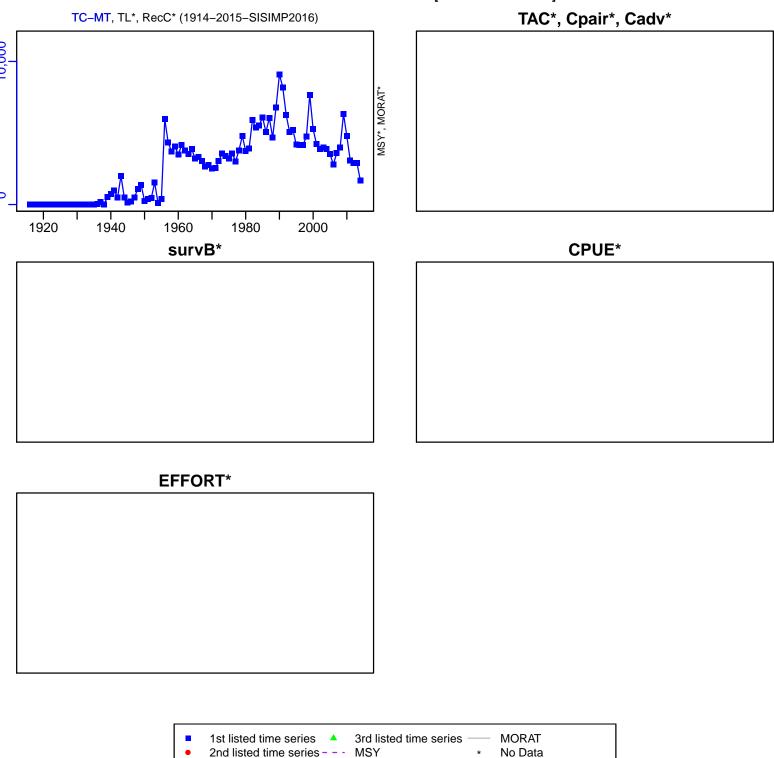
Metadata			
Scientific Name	Atheresthes stomias		
Current Assess ID	NWFSC-ARFLOUNDPCOAST-1914-2015-SISIMP2016		
Area Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor	Northwest Fisheries Science Center		
Asmts in RAM	2015, 2007		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2015	20,078	
Fmsy	Fmsy-1/yr	2015	0.7	
ERmsy	ERmsy-ratio	2007	0.13	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2007	80,313	
MSY	MSY-MT	2007	5844	
М	M-1/yr	2007	0.17	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2015	10,039	
Flim	Flim-1/yr	2015	0.7	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	79,800	-	3+
SSB	SSB-MT	2015	62,600	Females	-
TN	-	-	-	-	-
R	R-E00	2015	28,300,000	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	1440		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	3.12		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.22		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	0.22		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



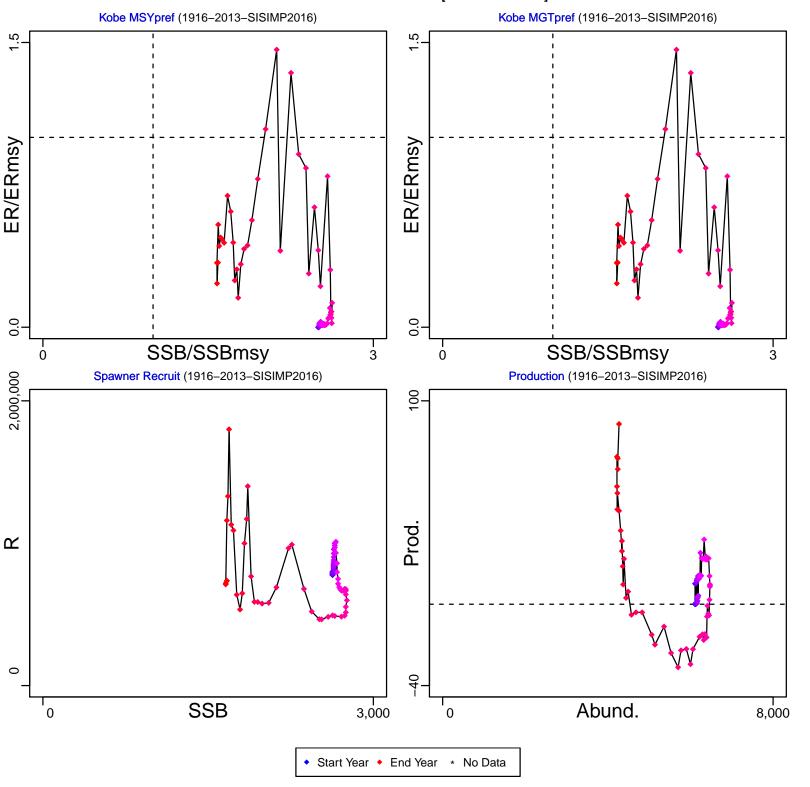


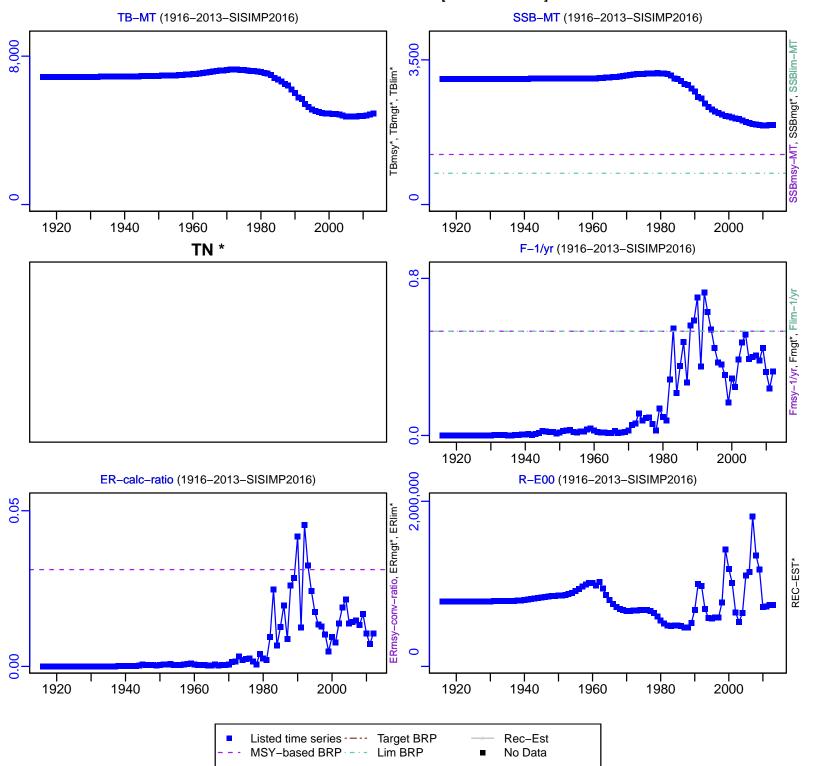


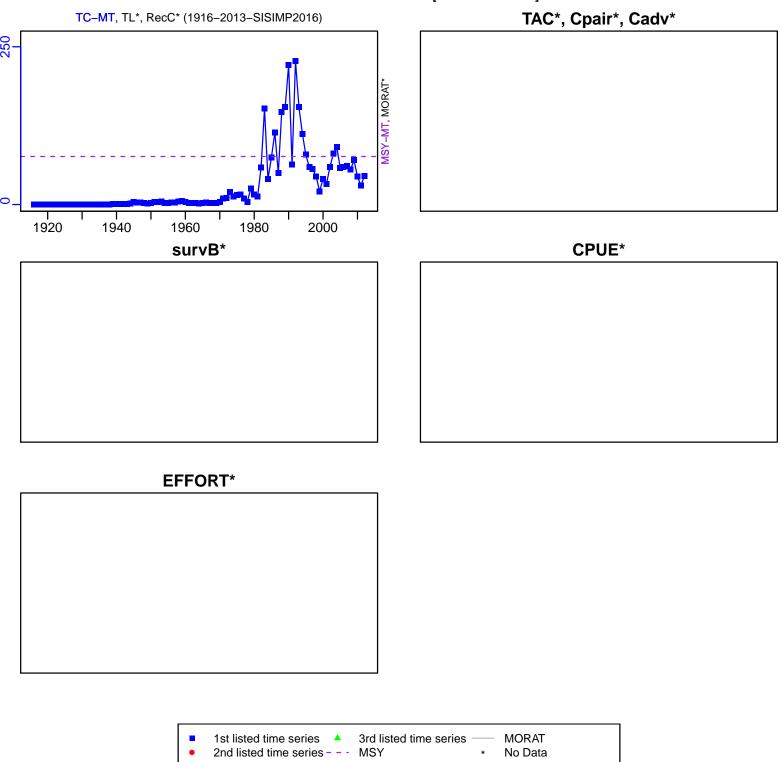
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Scientific Name	Sebastes aurora		
Current Assess ID	NWFSC-AUROCKPCOAST-1916-2013-SISIMP2016		
Area Pacific Coast			
Management Authority National Marine Fisheries Service, US national management			
Assessor	Assessor Northwest Fisheries Science Center		
Asmts in RAM	2013		

	Reference Points			
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2013	1050	
Fmsy	Fmsy-1/yr	2013	0.5	
ERmsy	ERmsy-conv-ratio	2013	0.03	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2013	72	
М	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2013	657	
Flim	Flim-1/yr	2013	0.5	
ERlim	-	-	-	

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2013	4370	-	0+
SSB	SSB-MT	2013	1670	Females	12.56
TN	-	-	-	-	-
R	R-E00	2013	736,000	-	0
F	F-1/yr	2013	0	-	-
ER	ER-calc-ratio	2013	0	-	-
TC	TC-MT	2013	42.7		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2013	1.59		
F/Fmsy	F-1/yr/Fmsy-1/yr	2013	0.61]	
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2013	0.34		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



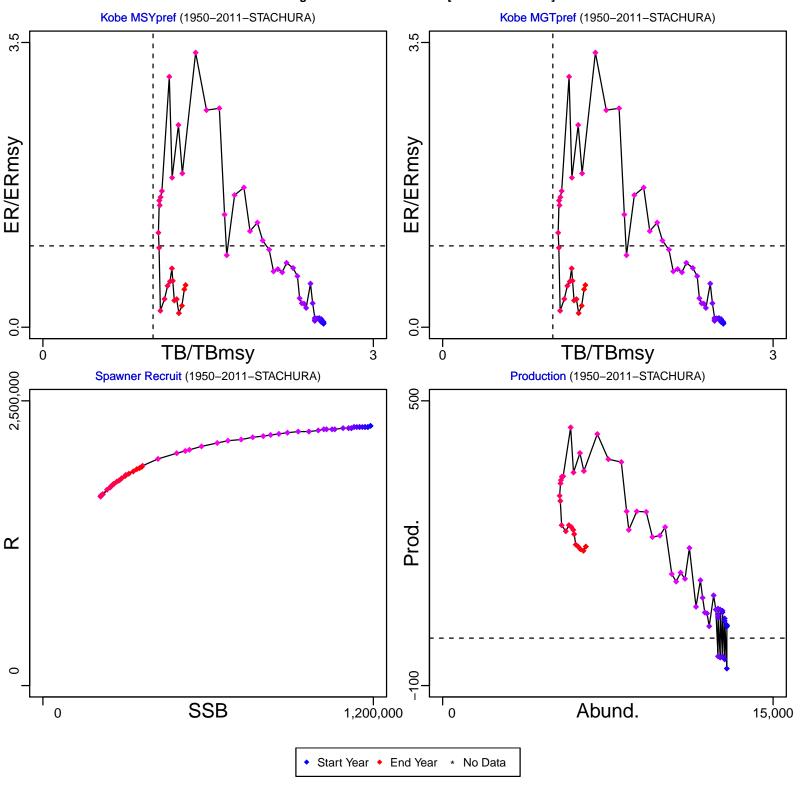


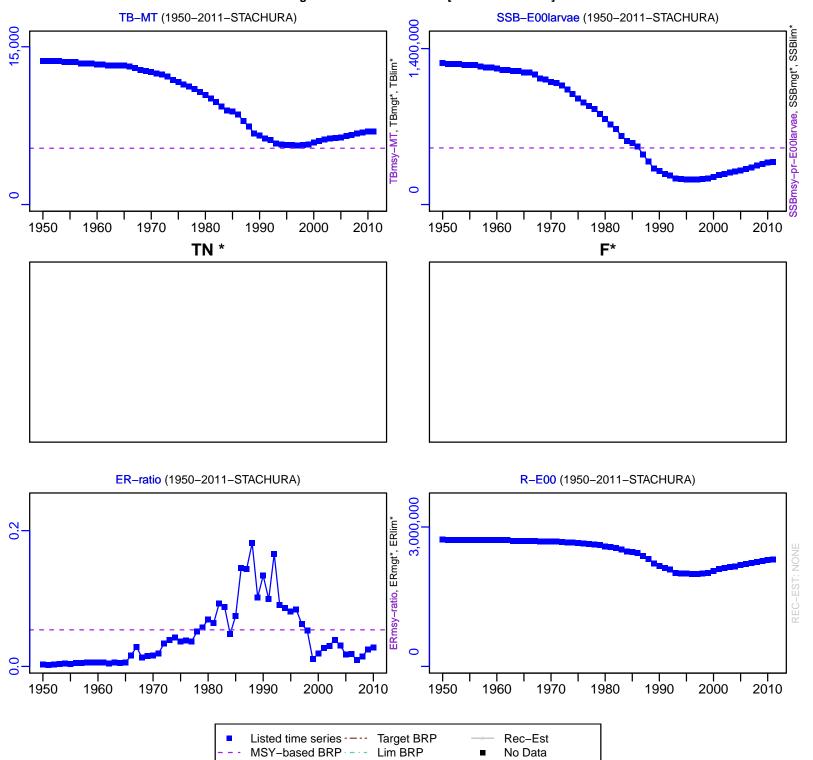


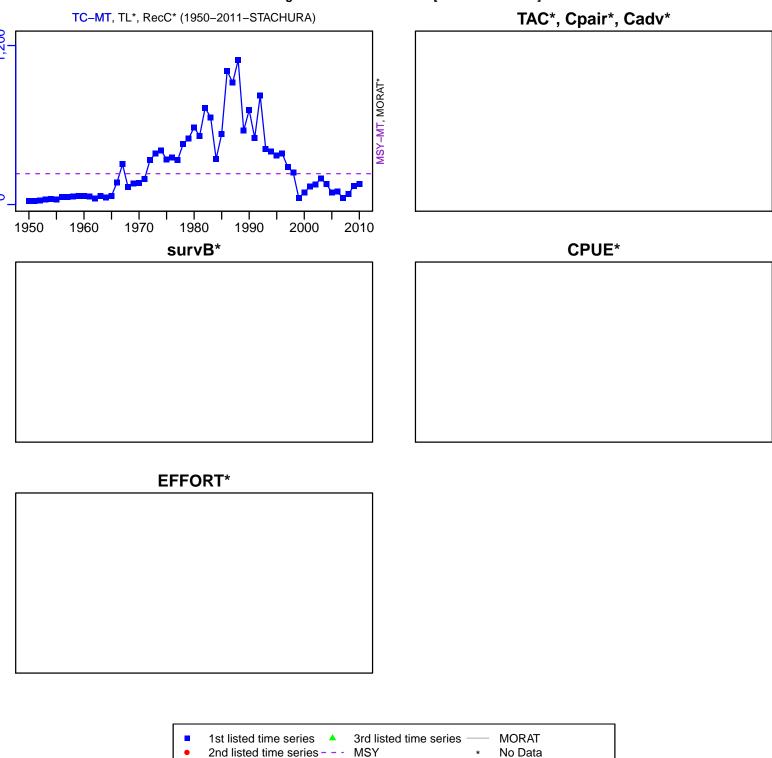
Metadata			
Scientific Name	Sebastes melanostomus		
Current Assess ID	NWFSC-BGROCKPCOAST-1950-2011-STACHURA		
Area Pacific Coast			
Management Authority National Marine Fisheries Service, US national management			
Assessor Northwest Fisheries Science Center			
Asmts in RAM	2011		

	Reference Points			
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-MT	2011	5063	
SSBmsy	SSBmsy-pr-E00larvae	2011	475,100	
Fmsy	Fmsy-pr-1/yr	2011	0.02	
ERmsy	ERmsy-ratio	2011	0.04	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	TB0-MT	2011	12,927	
SSB0	SSB0-E00larvae	2011	1,187,800	
MSY	MSY-MT	2011	222	
М	M-1/yr	2011	0.07	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2011	6590	-	0+
SSB	SSB-E00larvae	2011	359,000	Females	20+
TN	-	-	-	-	-
R	R-E00	2011	1,920,000	-	0
F	-	-	-	-	-
ER	ER-ratio	2011	0	-	-
TC	TC-MT	2011	149		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-MT	2011	1.3		
SSB/SSBmsy	SSB-E00larvae/SSBmsy-pr-E00larvae	2011	0.76		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2011	0.52		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



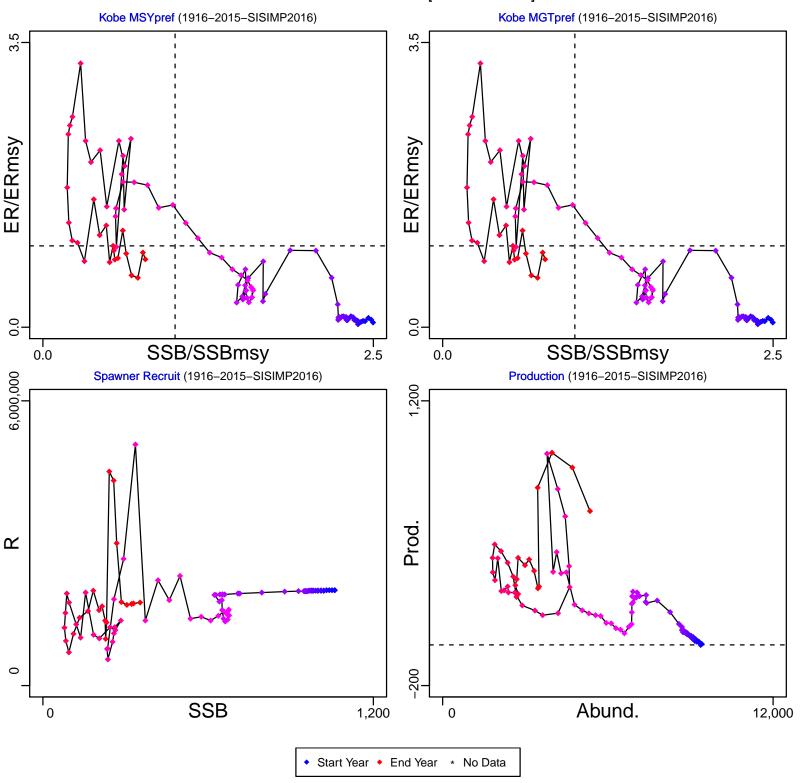


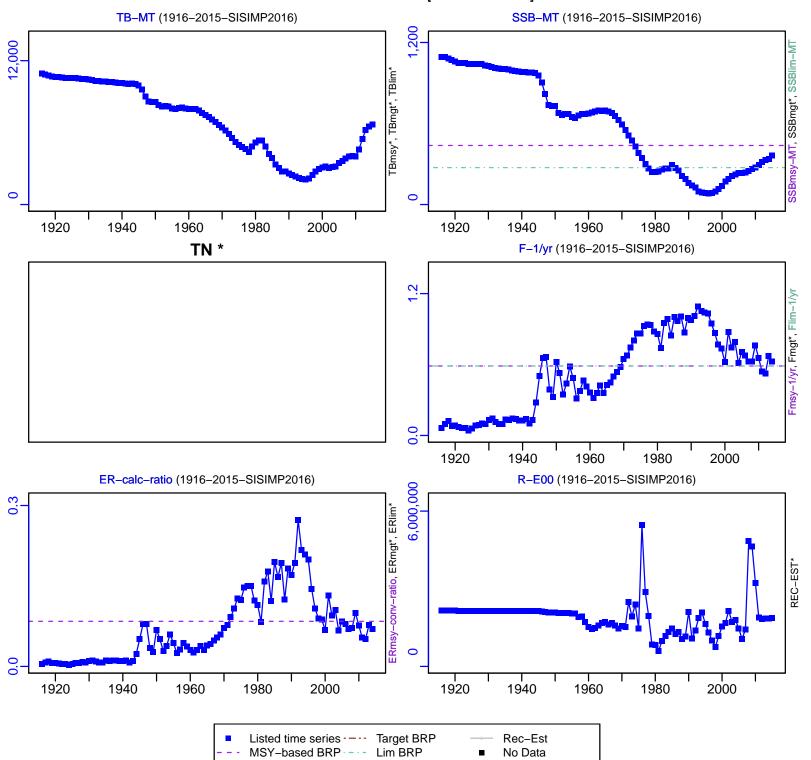


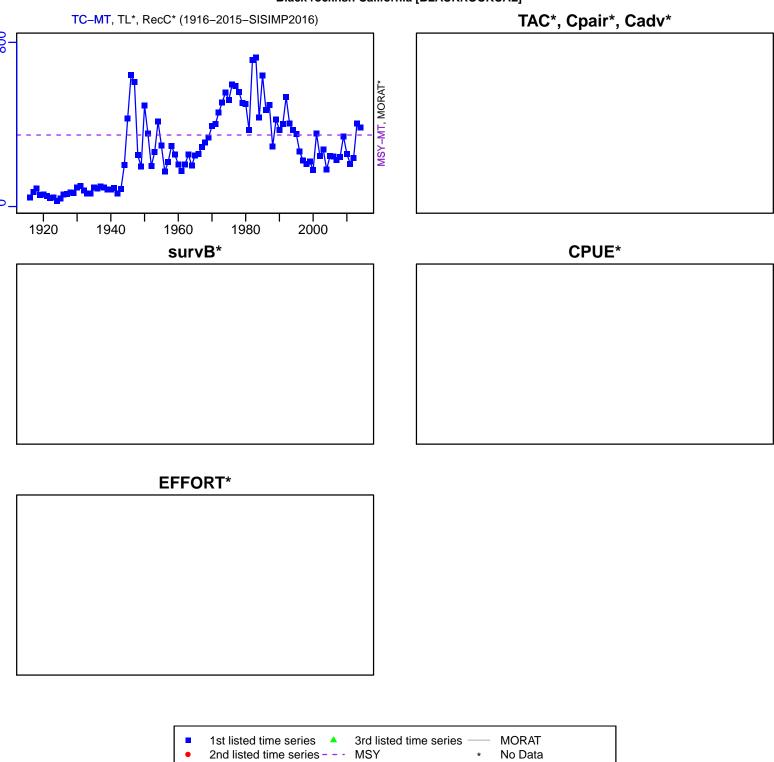
Metadata		
Scientific Name	Sebastes melanops	
Current Assess ID	SWFSC-BLACKROCKCAL-1916-2015-SISIMP2016	
Area California		
Management Authority	National Marine Fisheries Service, US national management	
Assessor Southwest Fisheries Science Center		
Asmts in RAM	2015	

	Reference Points			
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2015	425	
Fmsy	Fmsy-1/yr	2015	0.5	
ERmsy	ERmsy-conv-ratio	2015	0.08	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2015	343	
М	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2015	266	
Flim	Flim-1/yr	2015	0.5	
ERlim	-	-	-	

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	5770	-	3+
SSB	SSB-MT	2015	353	Females	7+
TN	-	-	-	-	-
R	R-E00	2015	1,750,000	-	0
F	F-1/yr	2015	1	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	380		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	0.83		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	1.07		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2015	0.83		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



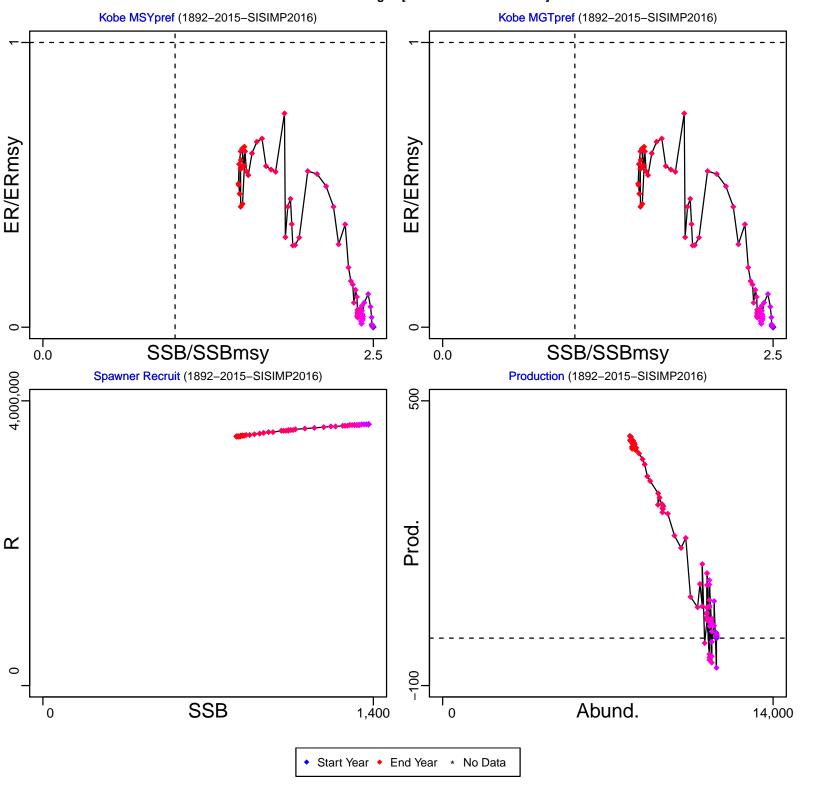


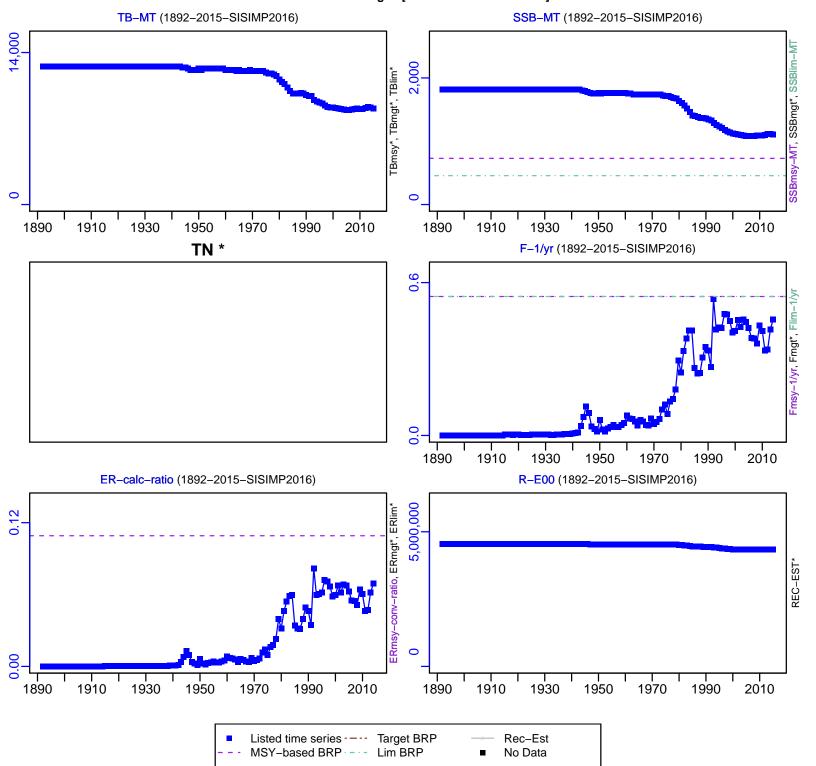


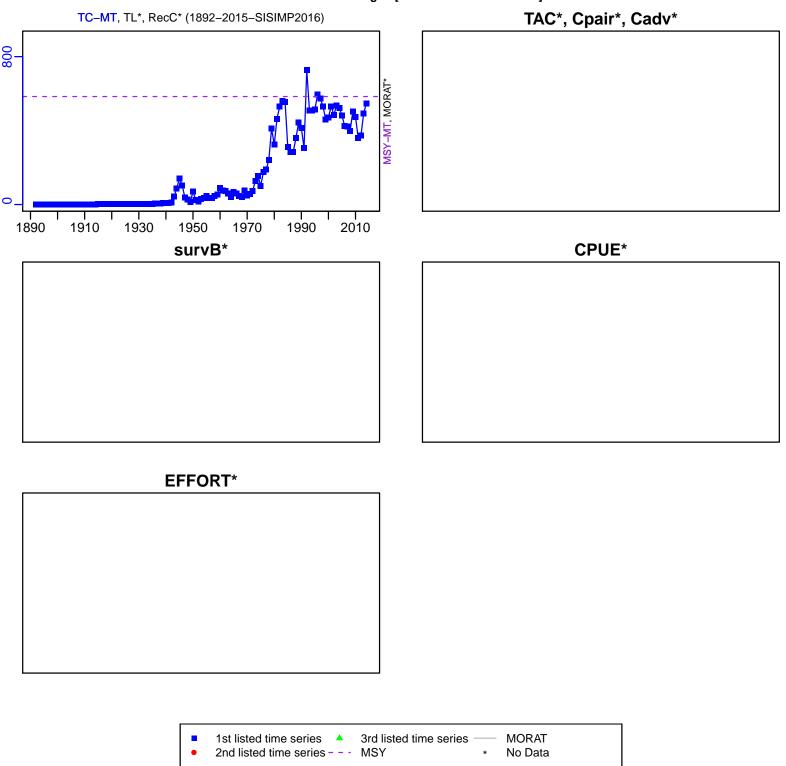
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Scientific Name	Sebastes melanops	
Current Assess ID	NWFSC-BLACKROCKORECOAST-1892-2015-SISIMP2016	
Area Oregon Coast		
Management Authority	National Marine Fisheries Service, US national management	
Assessor	Northwest Fisheries Science Center	
Asmts in RAM	2015	

	Reference Points			
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2015	554	
Fmsy	Fmsy-1/yr	2015	0.5	
ERmsy	ERmsy-conv-ratio	2015	0.09	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2015	518	
М	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2015	346	
Flim	Flim-1/yr	2015	0.5	
ERlim	-	-	-	

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	8060	-	3+
SSB	SSB-MT	2015	838	Females	7+
TN	-	-	-	-	-
R	R-E00	2015	3,510,000	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	485		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.51		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.83		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2015	0.63		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



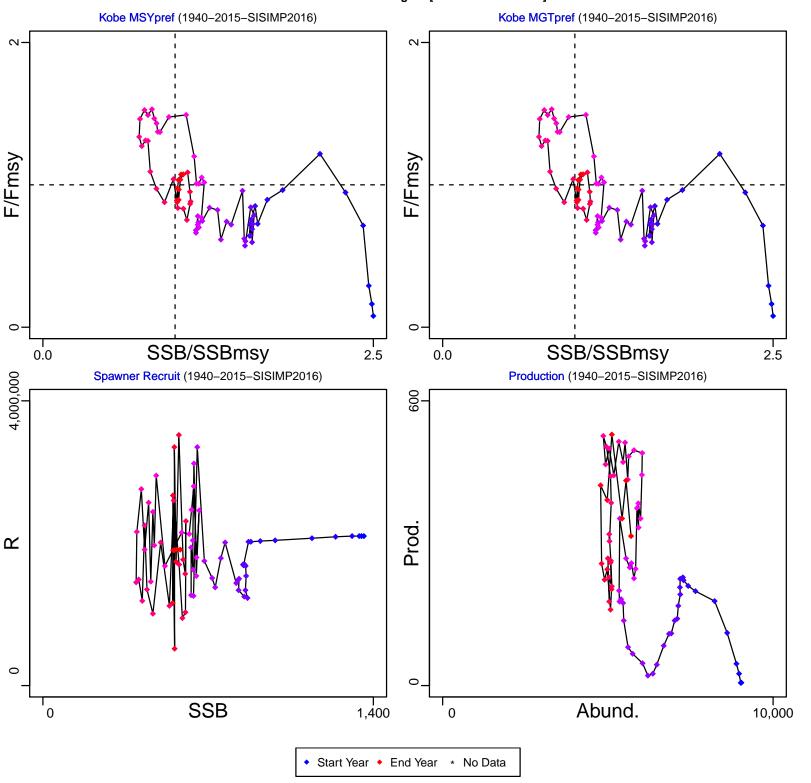


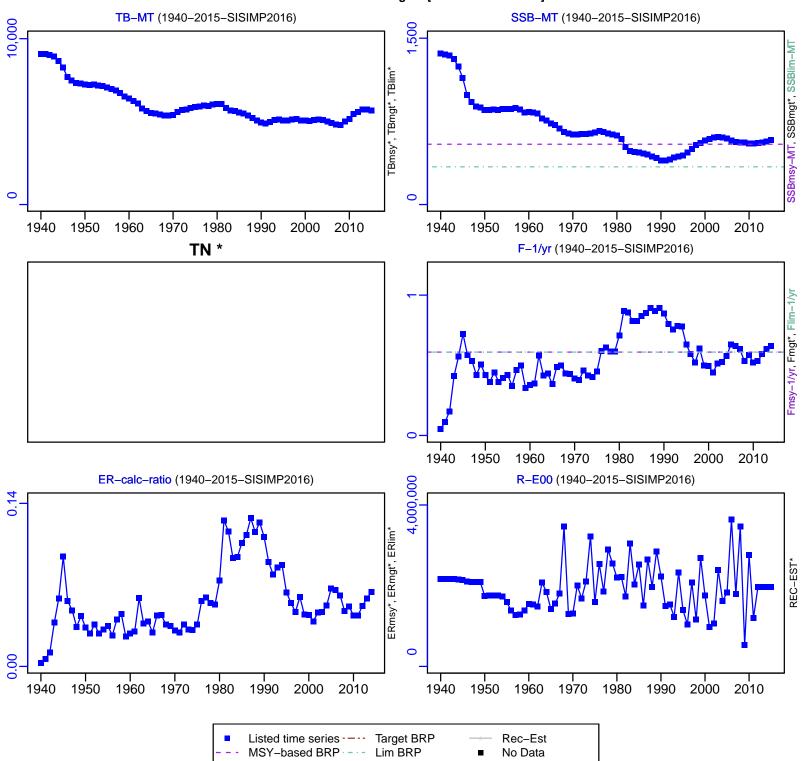


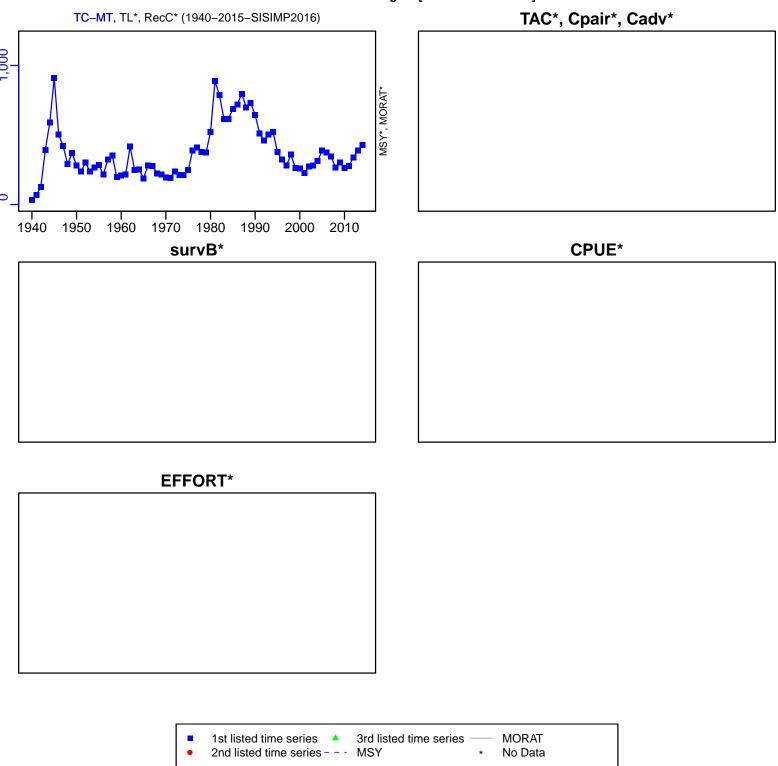
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Scientific Name	Sebastes melanops	
Current Assess ID NWFSC-BLACKROCKWASH-1940-2015-SISIMP2016		
Area Washington		
Management Authority National Marine Fisheries Service, US national management		
Assessor Northwest Fisheries Science Center		
Asmts in RAM	2015	

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-MT	2015	542		
Fmsy	Fmsy-1/yr	2015	0.5		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2015	339		
Flim	Flim-1/yr	2015	0.5		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	5640	-	3+
SSB	SSB-MT	2015	582	Females	7+
TN	-	-	-	-	-
R	R-E00	2015	1,910,000	-	0
F	F-1/yr	2015	1	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	356		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.07		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	1.07		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



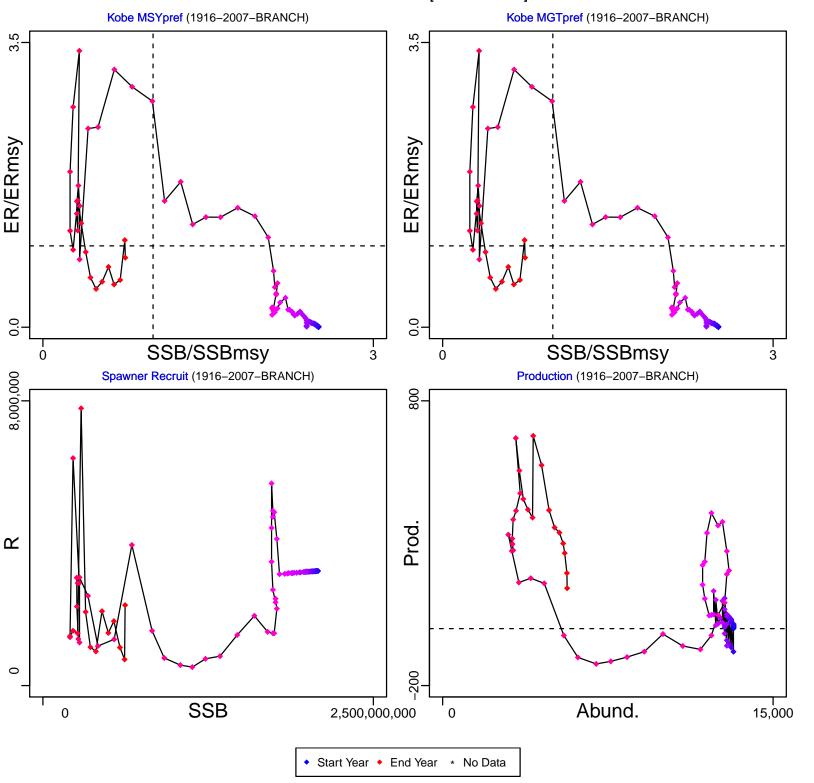


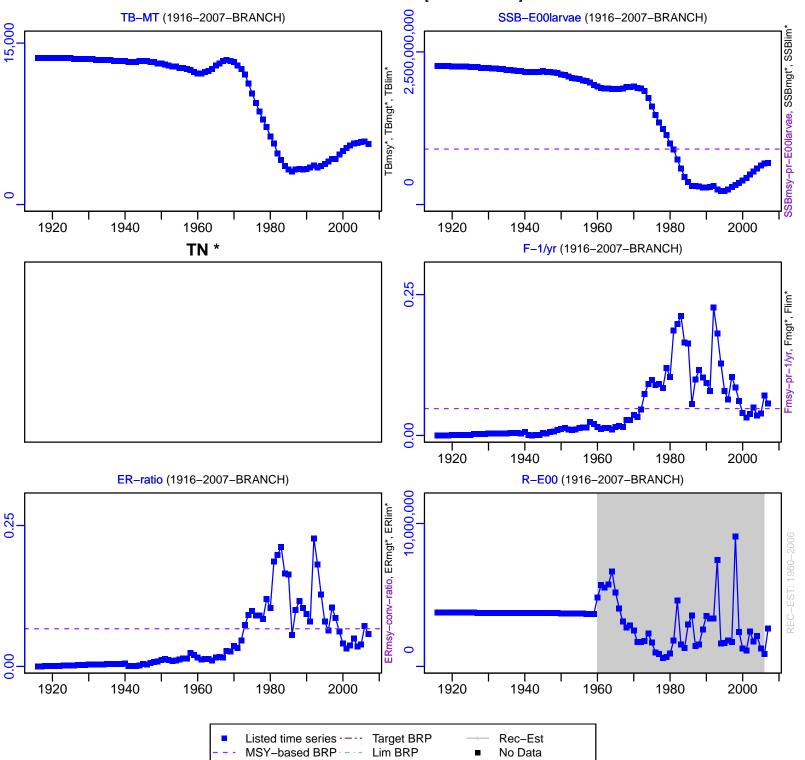


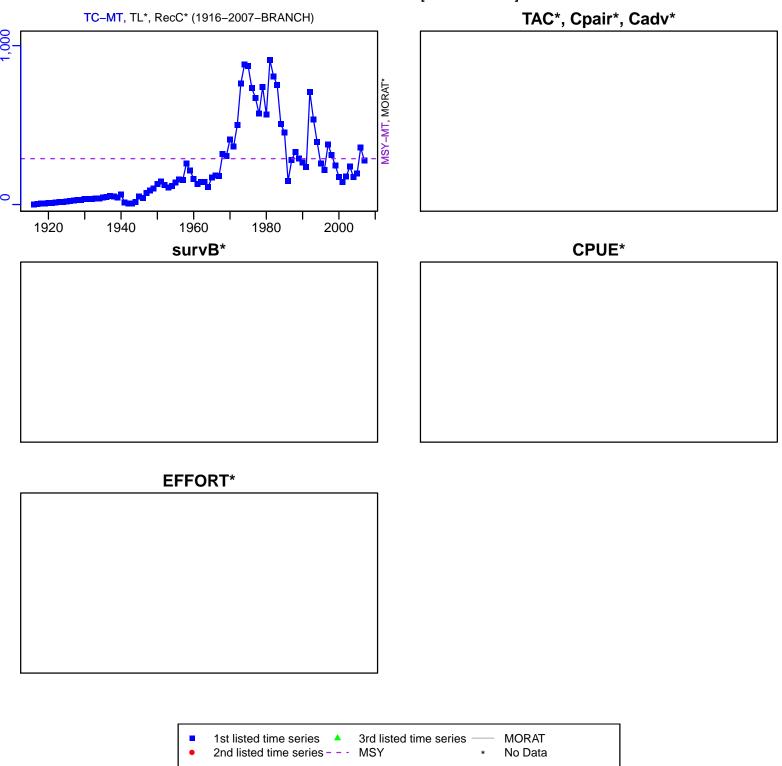
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Scientific Name	Sebastes mystinus	
Current Assess ID NWFSC-BLUEROCKCAL-1916-2007-BRANCH		
Area California		
Management Authority National Marine Fisheries Service, US national management		
Assessor	Northwest Fisheries Science Center	
Asmts in RAM	2007	

	Reference Points			
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-pr-E00larvae	2007	8.31×10^{8}	
Fmsy	Fmsy-pr-1/yr	2007	0.04	
ERmsy	ERmsy-conv-ratio	2007	0.06	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	TB0-MT	2007	13,223	
SSB0	SSB0-MT	2007	2077	
MSY	MSY-MT	2007	275	
М	M-1/yr	2007	0.12	
TBlim	TBlim-MT	2007	205	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2007	5450	-	1+
SSB	SSB-E00larvae	2007	6.22×10^{8}	Females	6+
TN	-	-	-	-	-
R	R-E00	2007	2,260,000	-	0
F	F-1/yr	2007	0	Both	1+
ER	ER-ratio	2007	0	-	-
TC	TC-MT	2007	263		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-E00larvae/SSBmsy-pr-E00larvae	2007	0.75		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2007	1.19		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2007	0.85		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





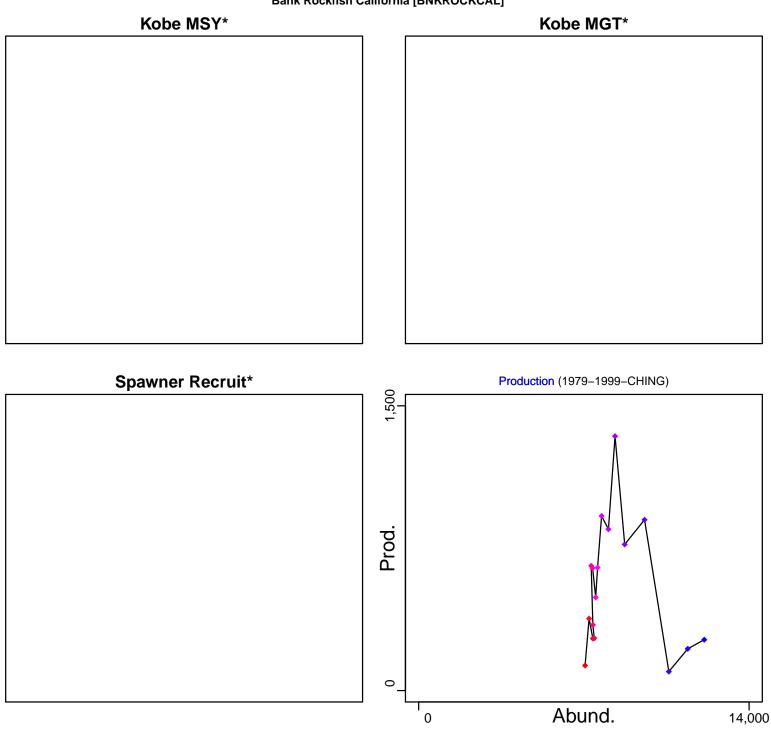


Bank Rockfish California [BNKROCKCAL]

Metadata				
Scientific Name	Sebastes rufus			
Current Assess ID	PFMC-BNKROCKCAL-1979-1999-CHING			
Area	California			
Management Authority	National Marine Fisheries Service, US national managemen			
Assessor	Pacific Fishery Management Council			
Asmts in RAM	1999			

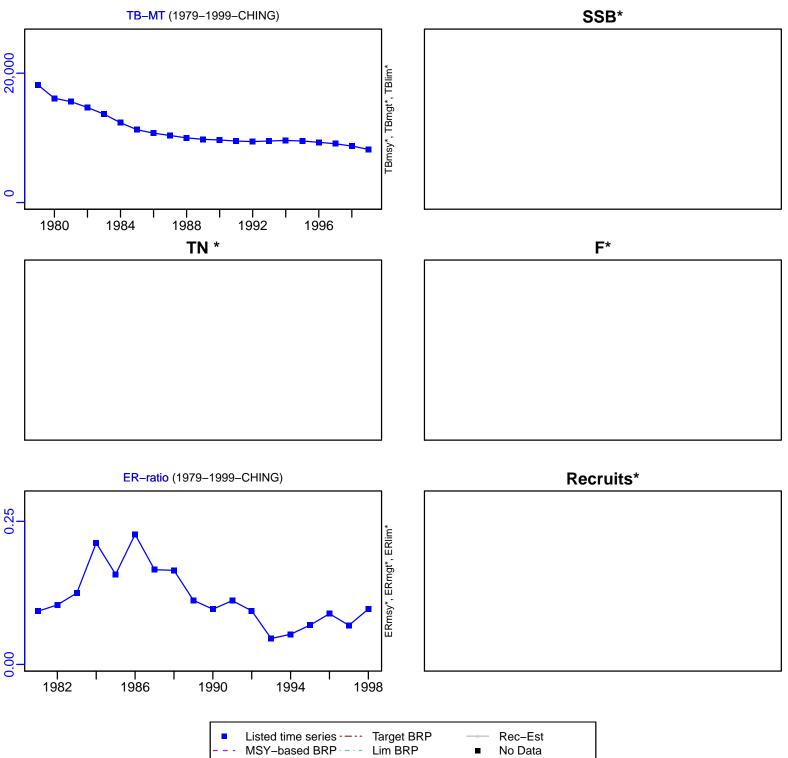
Reference Points							
Туре	ID	Asmt Year	Value				
TBmsy	-	-	-				
SSBmsy	-	-	-				
Fmsy	-	-	-				
ERmsy	-	-	-				
TBmgt	-	-	-				
SSBmgt	-	-	-				
Fmgt	-	-	-				
ERmgt	-	-	-				
TB0	-	-	-				
SSB0	-	-	-				
MSY	-	-	-				
М	-	-	-				
TBlim	-	-	-				
SSBlim	-	-	-				
Flim	-	-	-				
ERlim	-	-	-				

Time Series								
Туре	ID	Asmt Year	Curr Value	Sex	Age			
ТВ	TB-MT	1999	6380	-	-			
SSB	-	-	-	-	-			
TN	-	-	-	-	-			
R	-	-	-	-	-			
F	-	-	-	-	-			
ER	ER-ratio	1999	0	-	-			
TC	TC-MT	1999	562					
TL	TL-MT	1999	562					
TB/TBmsy	-	-	-					
SSB/SSBmsy	-	-	-					
F/Fmsy	-	-	-]				
ER/ERmsy	-	-	-					
TB/TBmgt	-	-	-					
SSB/SSBmgt	-	-	-					
F/Fmgt	-	-	-					
ER/ERmgt	-	-	-					



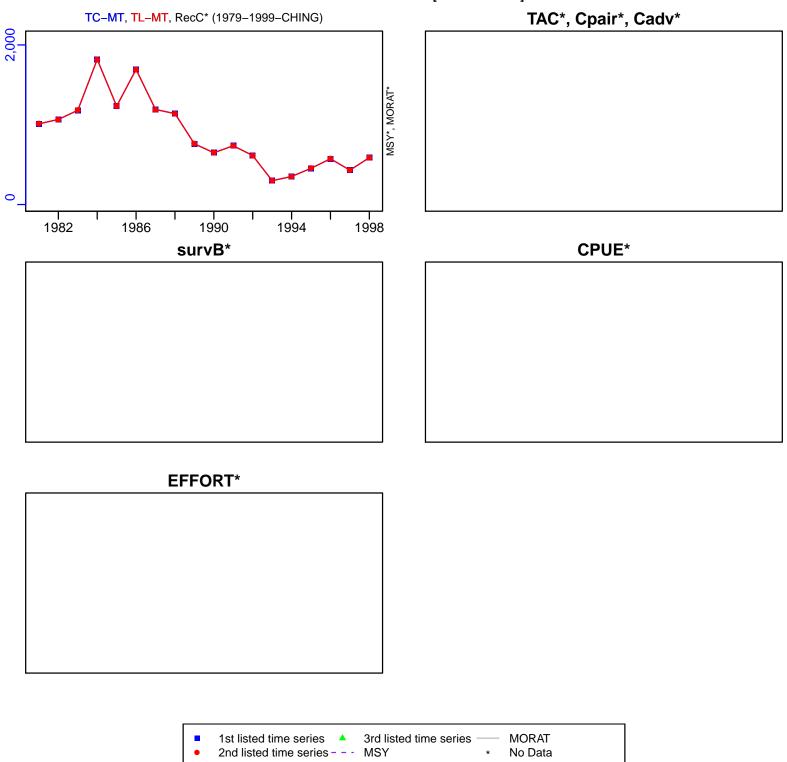
Start Year ◆ End Year * No Data

Bank Rockfish California [BNKROCKCAL]



No Data

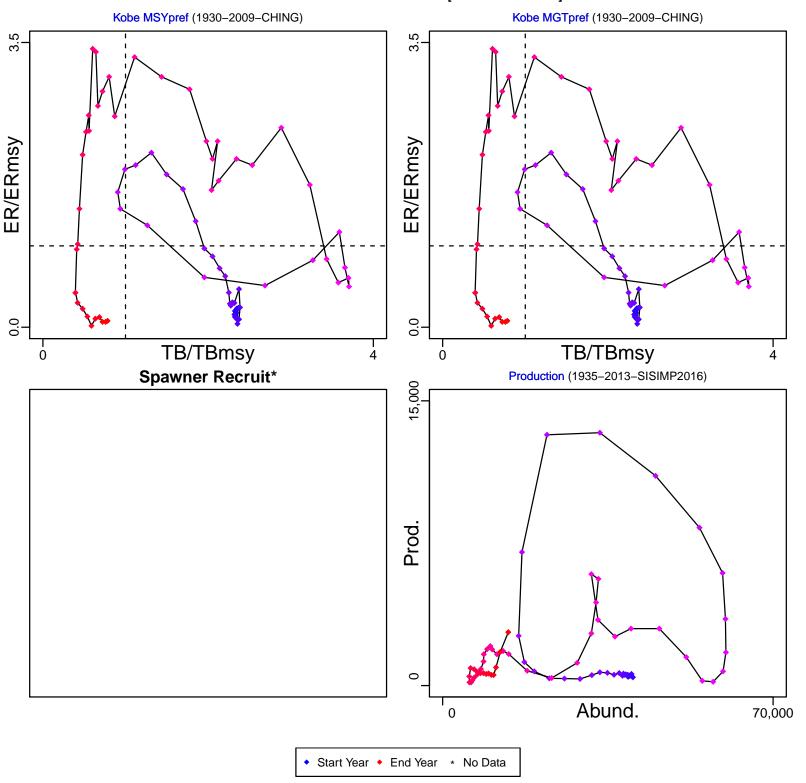
Bank Rockfish California [BNKROCKCAL]

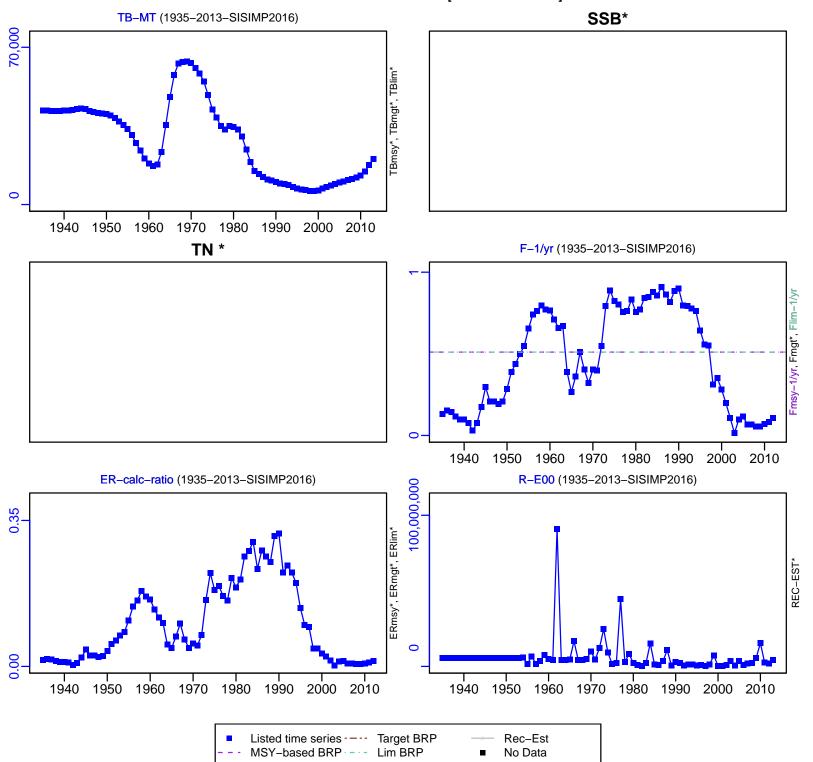


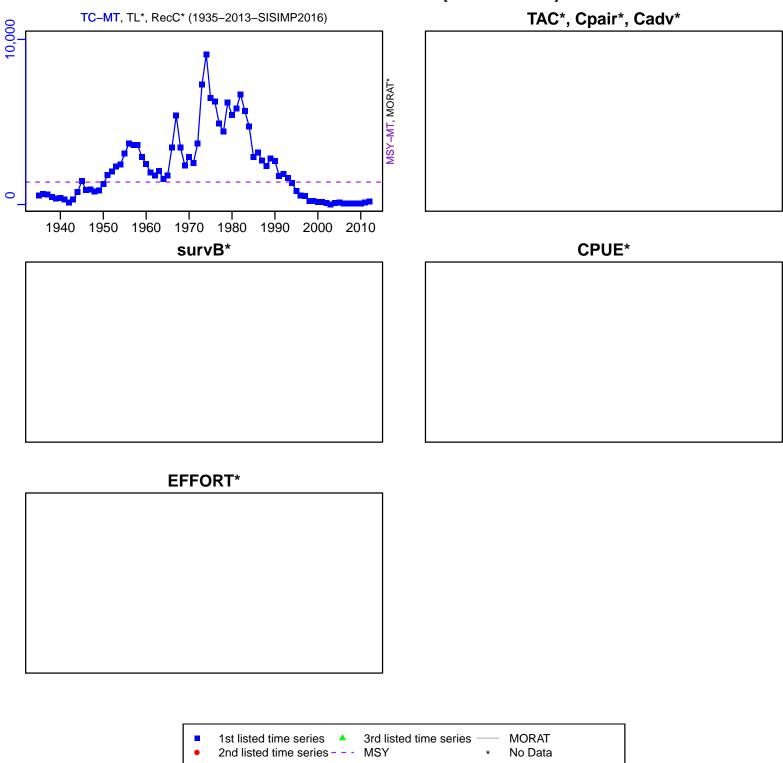
Metadata			
Scientific Name	Sebastes paucispinis		
Current Assess ID SWFSC-BOCACCSPCOAST-1935-2013-SISIMP2016			
Area Southern Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor	Southwest Fisheries Science Center		
Asmts in RAM	2009, 2013		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2013	0.5		
ERmsy	ERmsy-conv-ratio	2009	0.08		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	TB0-MT	2009	44,070		
SSB0	-	-	-		
MSY	MSY-MT	2013	1347		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	Flim-1/yr	2013	0.5		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2013	19,100	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-E00	2013	3,860,000	-	0
F	F-1/yr	2013	0	-	-
ER	ER-calc-ratio	2013	0	-	-
TC	TC-MT	2013	188		'
TL	-	-	-		
TB/TBmsy	TB-MT/TB0-MT	2009	0.8		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2013	0.21		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2009	0.08		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



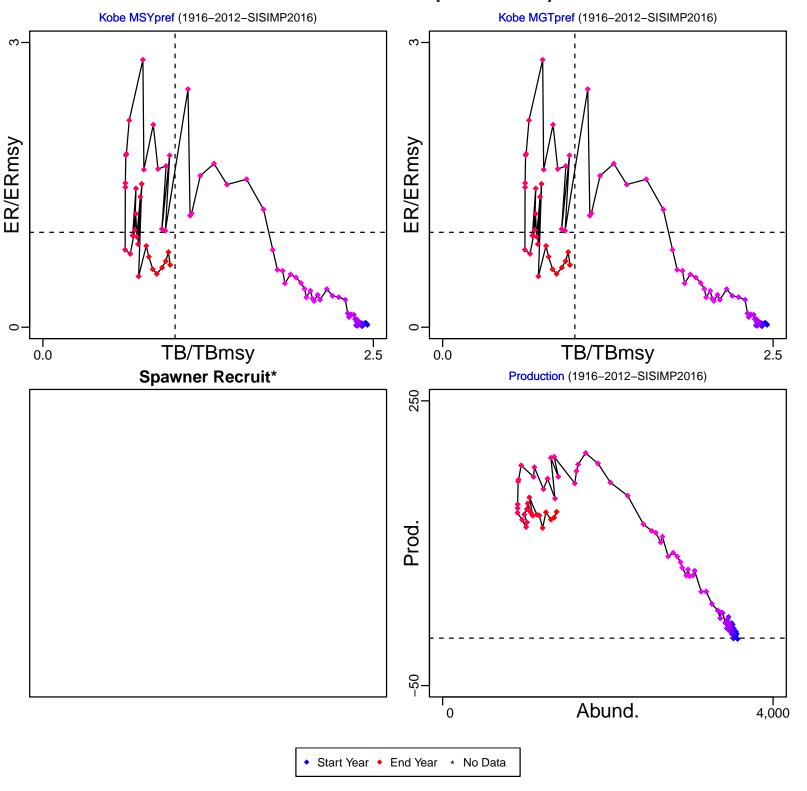


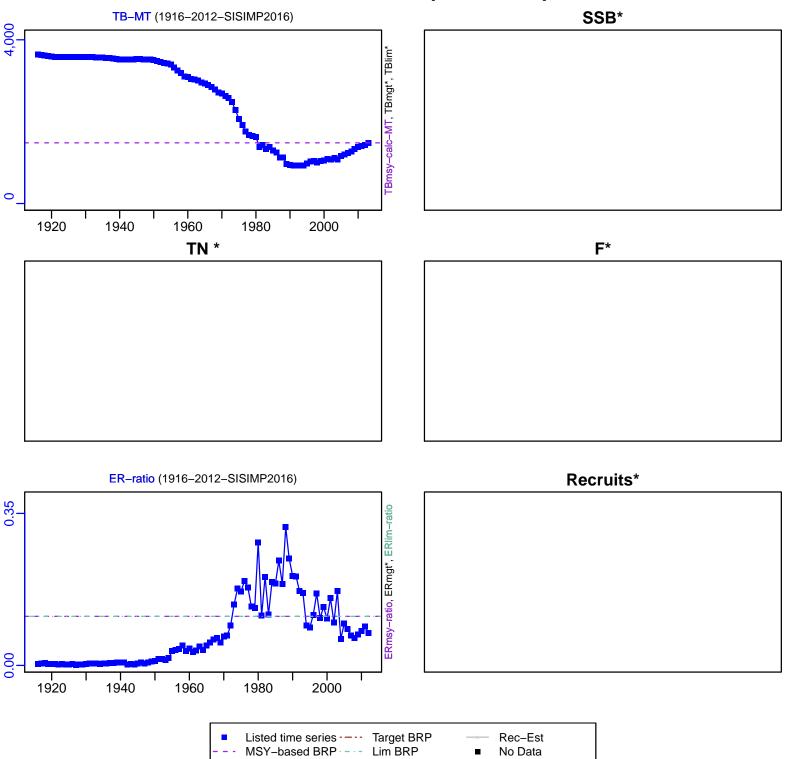


Metadata			
Scientific Name	Sebastes auriculatus		
Current Assess ID SWFSC-BRNROCKPCOAST-1916-2012-SISIMP2016			
Area Pacific Coast			
Management Authority National Marine Fisheries Service, US national manageme			
Assessor	Southwest Fisheries Science Center		
Asmts in RAM	2012		

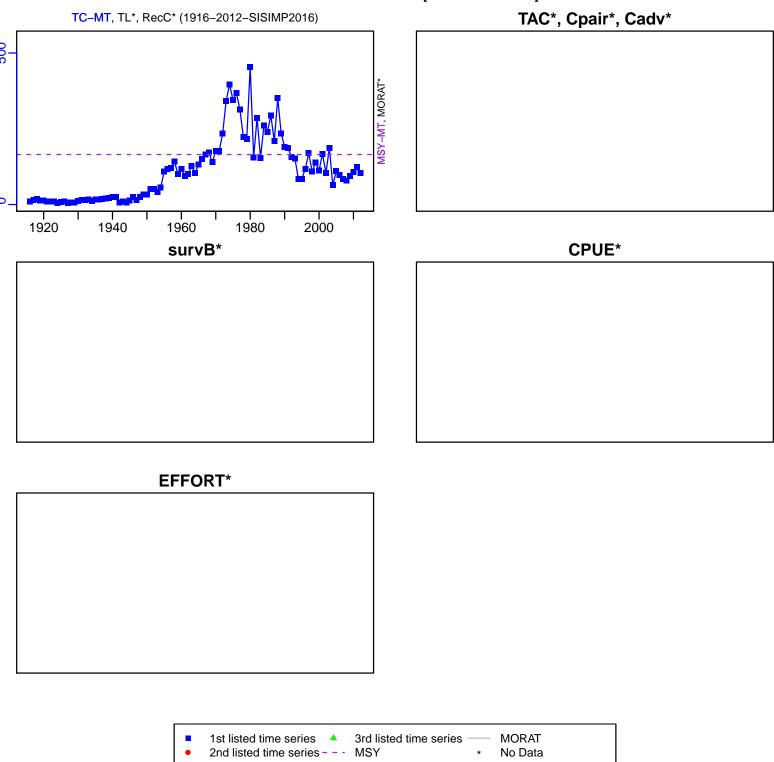
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2012	1455	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2012	0.1	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2012	150	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	ERlim-ratio	2012	0.1	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2012	1450	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2012	0	-	-
TC	TC-MT	2012	94.7		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2012	0.99		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2012	0.66		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





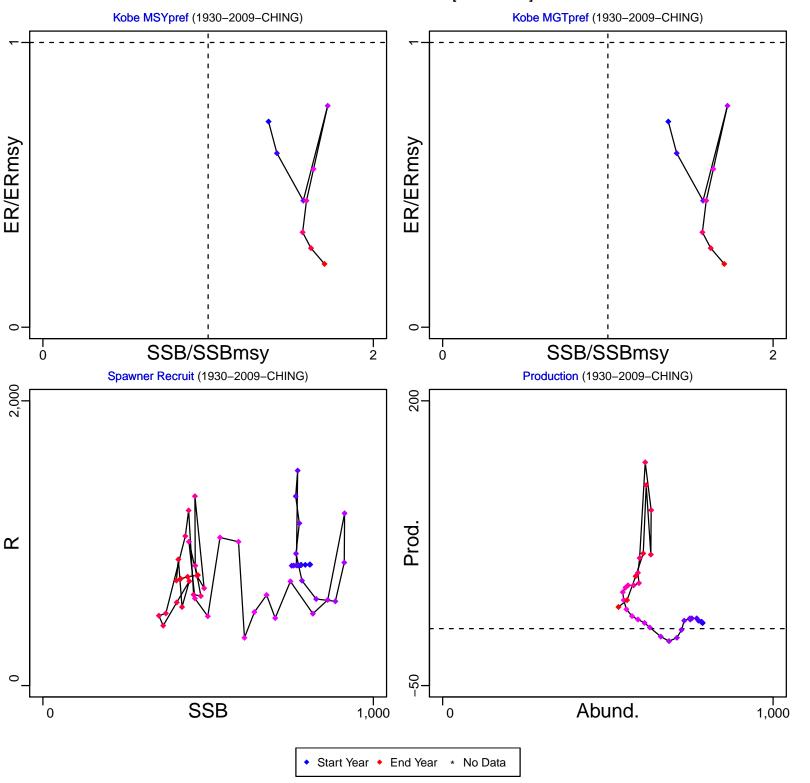
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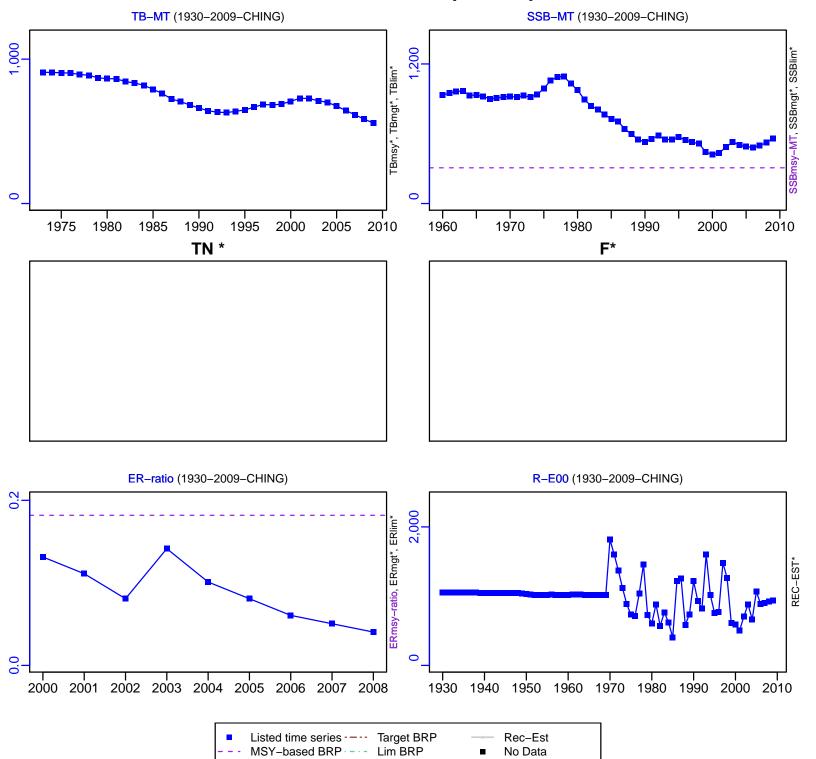


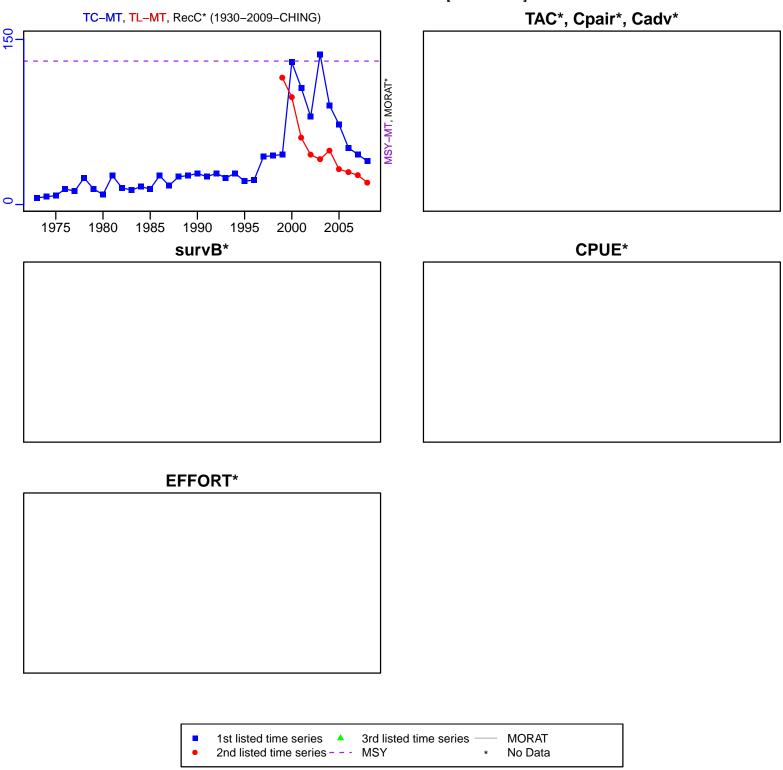
Metadata			
Scientific Name	Scorpaenichthys marmoratus		
Current Assess ID PFMC-CABEZNCAL-1930-2009-CHING			
Area Northern California			
Management Authority National Marine Fisheries Service, US national manageme			
Assessor	Pacific Fishery Management Council		
Asmts in RAM	2009		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2009	257	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2009	0.18	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	TB0-MT	2009	1835	
SSB0	SSB0-MT	2009	1036	
MSY	MSY-MT	2009	129	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2009	483	Both	2+
SSB	SSB-MT	2009	469	Females	3+
TN	-	-	-	-	-
R	R-E00	2009	776	-	-
F	-	-	-	-	-
ER	ER-ratio	2009	0	-	-
TC	TC-MT	2009	39		
TL	TL-MT	2009	19.8		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2009	1.82		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2009	0.22		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



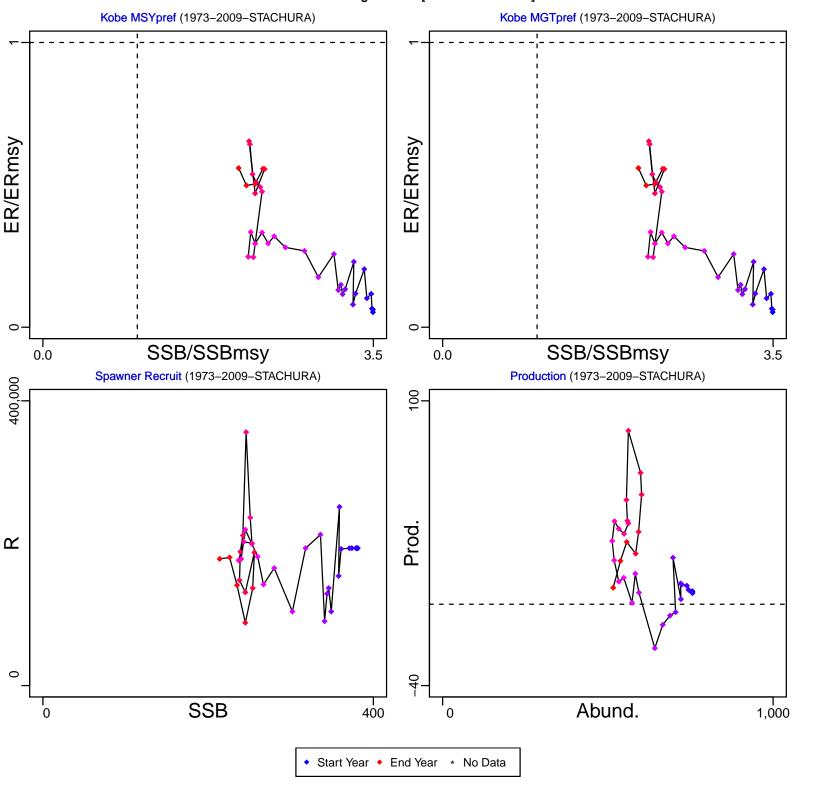


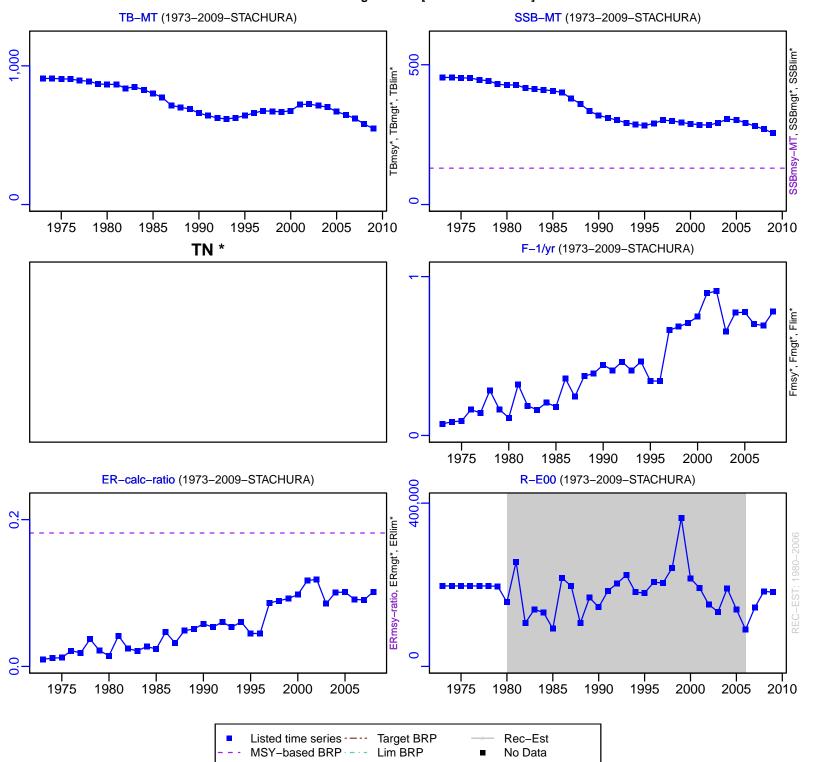


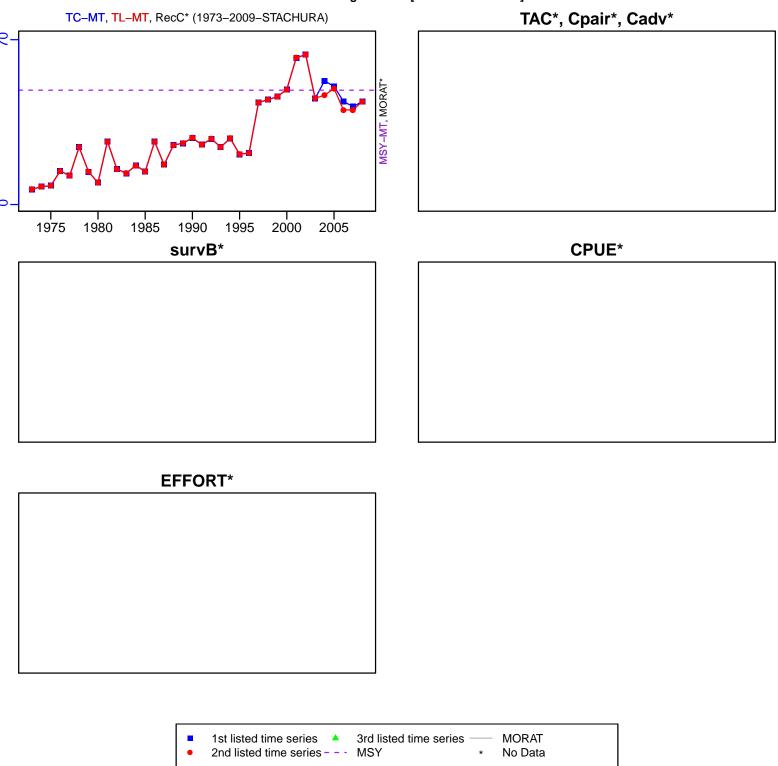
Metadata			
Scientific Name	Scorpaenichthys marmoratus		
Current Assess ID	NWFSC-CABEZORECOAST-1973-2009-STACHURA		
Area Oregon Coast			
Management Authority National Marine Fisheries Service, US national management			
Assessor	Northwest Fisheries Science Center		
Asmts in RAM	2009		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2009	109	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2009	0.16	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2009	409	
MSY	MSY-MT	2009	48	
М	M-1/yr	2009	0.25	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	TB-MT	2009	455	-	2+	
SSB	SSB-MT	2009	214	Females	3.86	
TN	-	-	-	-	-	
R	R-E00	2009	178,000	-	0	
F	F-1/yr	2009	1	-	-	
ER	ER-calc-ratio	2009	0	-	-	
TC	TC-MT	2009	43.2			
TL	TL-MT	2009	43.2			
TB/TBmsy	-	-	-			
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2009	1.96			
F/Fmsy	-	-	-			
ER/ERmsy	ER-calc-ratio/ERmsy-ratio	2009	0.56			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	-	-	-			
ER/ERmgt	-	-	-			



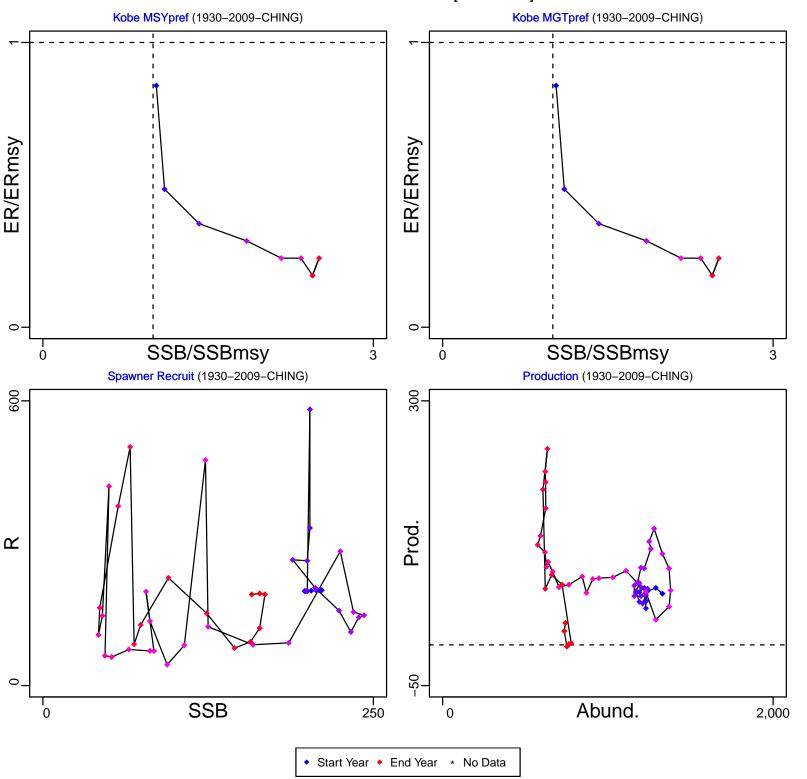


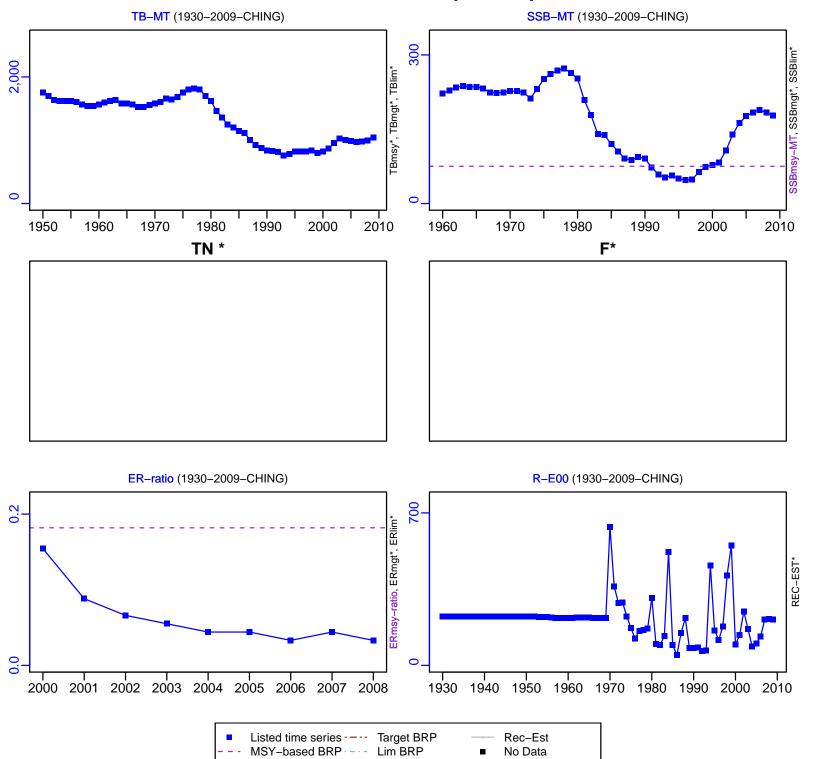


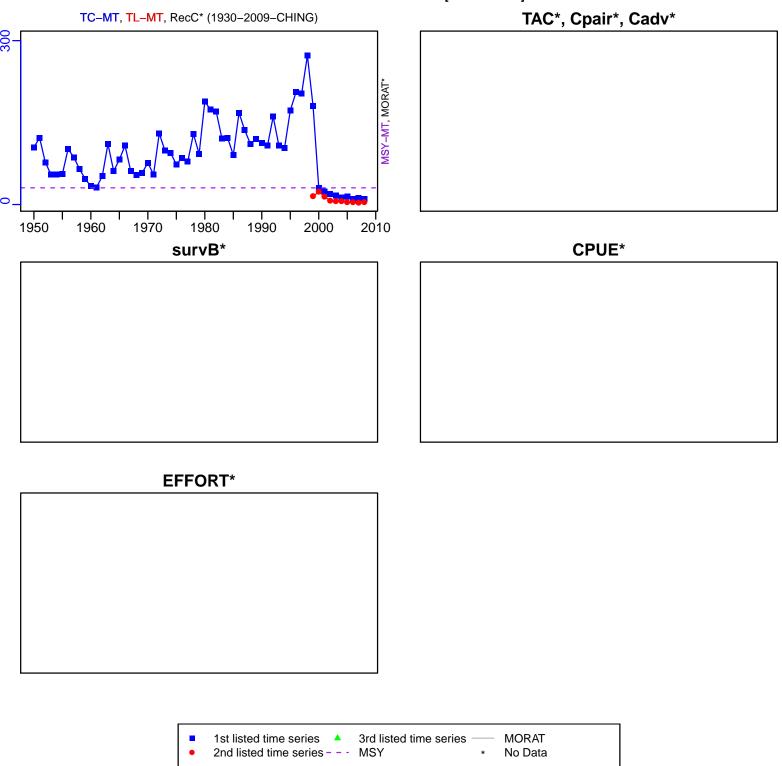
Metadata			
Scientific Name	Scorpaenichthys marmoratus		
Current Assess ID PFMC-CABEZSCAL-1930-2009-CHING			
Area Southern California			
Management Authority National Marine Fisheries Service, US national managem			
Assessor	Pacific Fishery Management Council		
Asmts in RAM	2009		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2009	67	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2009	0.16	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	TB0-MT	2009	470	
SSB0	SSB0-MT	2009	263	
MSY	MSY-MT	2009	30	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2009	789	Both	2+
SSB	SSB-MT	2009	158	Females	3+
TN	-	-	-	-	-
R	R-E00	2009	192	-	-
F	-	-	-	-	-
ER	ER-ratio	2009	0	-	-
TC	TC-MT	2009	10		•
TL	TL-MT	2009	3.9		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2009	2.36		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2009	0.18		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



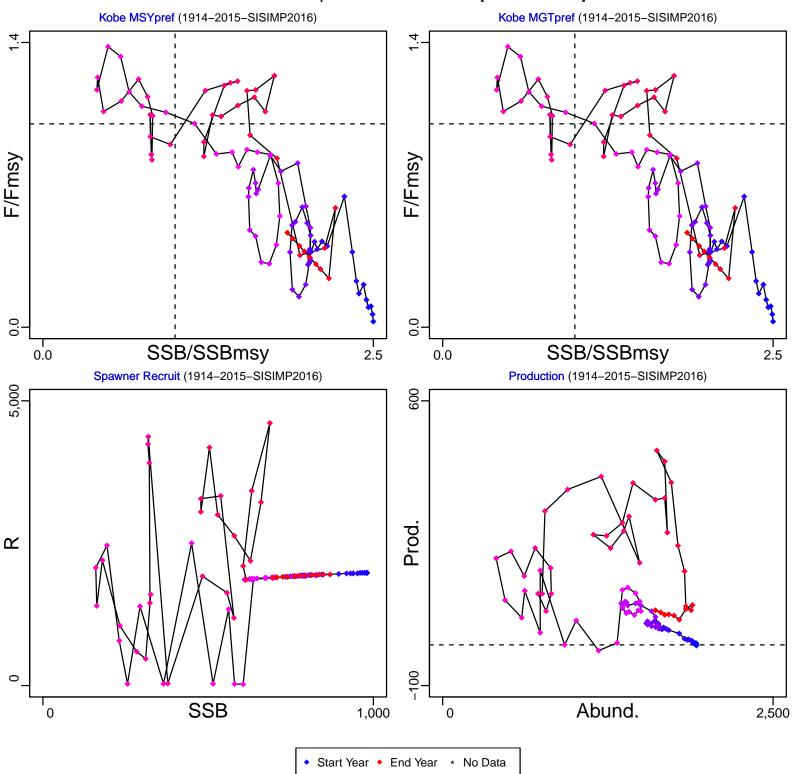


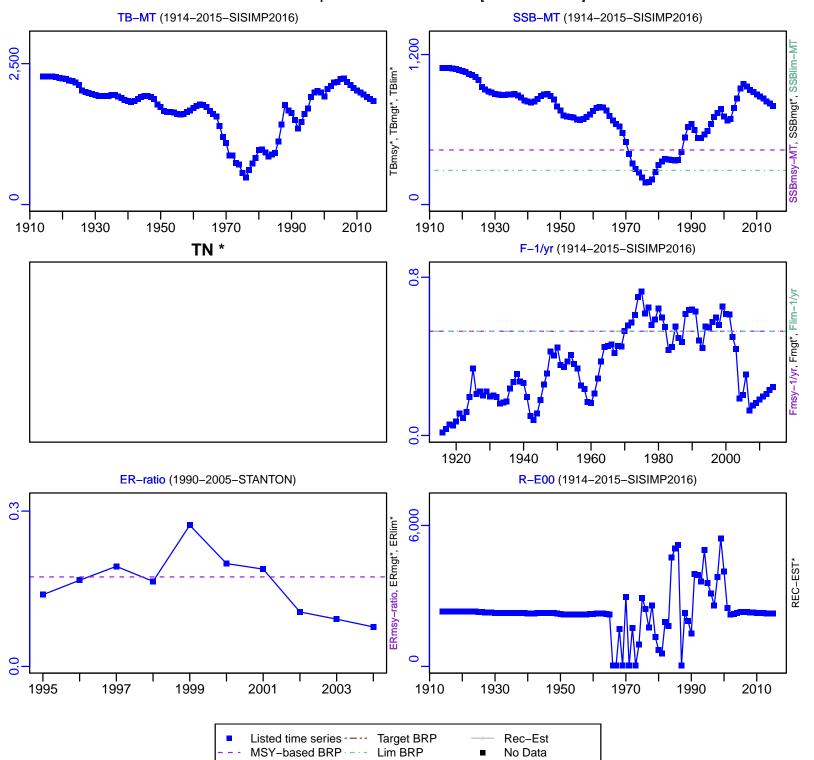


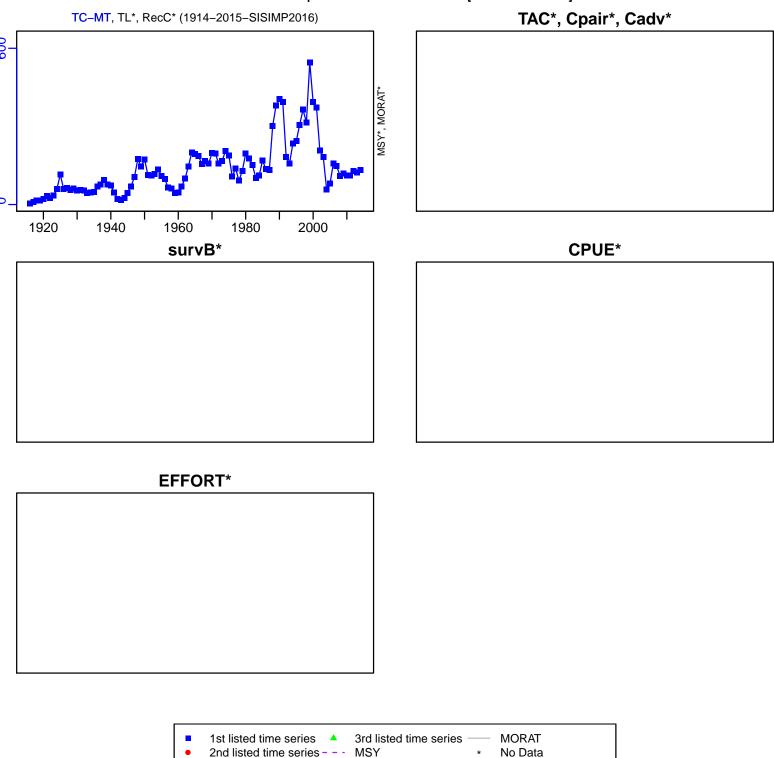
Metadata			
Scientific Name	Scorpaena guttata		
Current Assess ID SWFSC-CALSCORPSCAL-1914-2015-SISIMP2016			
Area Southern California			
Management Authority	National Marine Fisheries Service, US national management		
Assessor Southwest Fisheries Science Center			
Asmts in RAM	2015, 2005		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2015	392	
Fmsy	Fmsy-1/yr	2015	0.5	
ERmsy	ERmsy-ratio	2005	0.16	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	TB0-MT	2005	2007	
SSB0	SSB0-MT	2005	1024	
MSY	MSY-MT	2005	127	
М	M-1/yr	2005	0.25	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2015	245	
Flim	Flim-1/yr	2015	0.5	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	1550	-	2+
SSB	SSB-MT	2015	708	Females	-
TN	-	-	-	-	-
R	R-E00	2015	1900	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	124		
TL	TL-MT	2005	81		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.81		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.46		
ER/ERmsy	ER-ratio/ERmsy-ratio	2005	0.44		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		







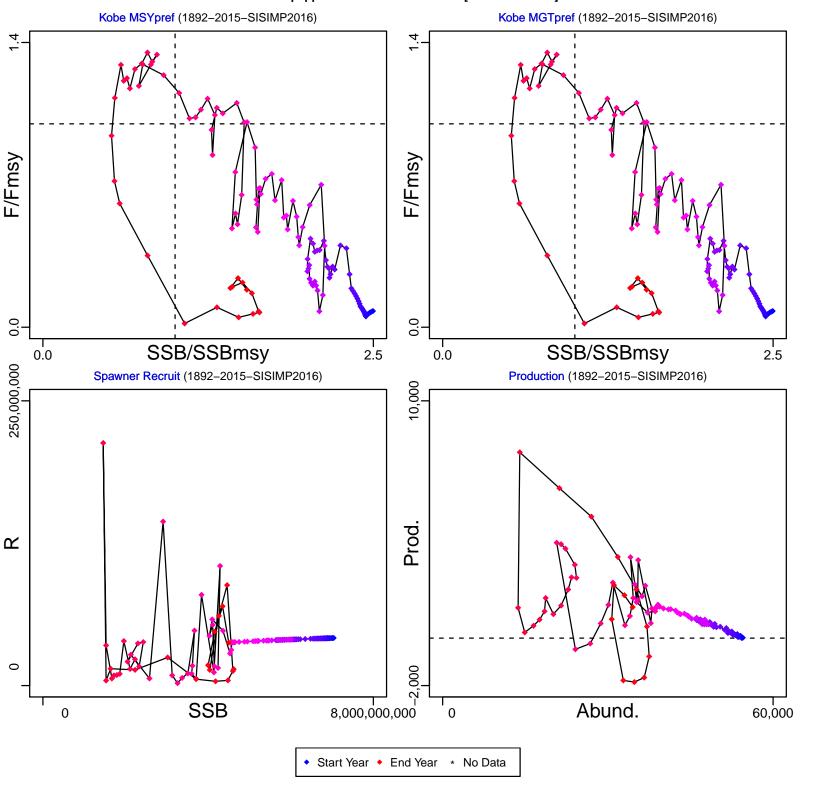
Chilipepper Southern Pacific Coast [CHILISPCOAST]

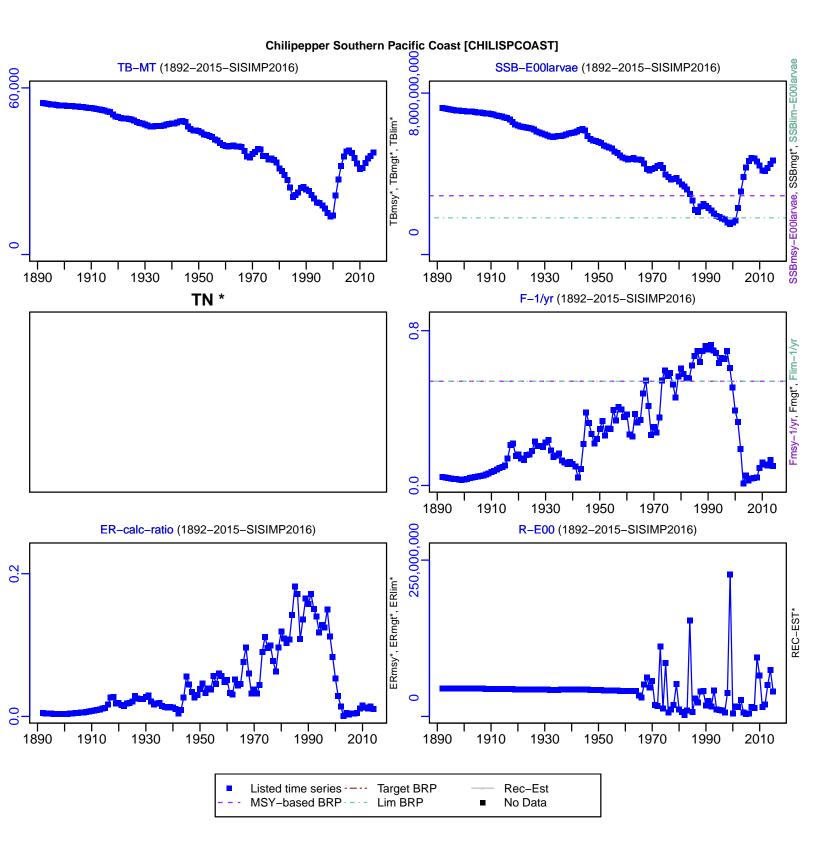
Metadata			
Scientific Name	Sebastes goodei		
Current Assess ID	SWFSC-CHILISPCOAST-1892-2015-SISIMP2016		
Area Southern Pacific Coast			
Management Authority National Marine Fisheries Service, US national management			
Assessor	Southwest Fisheries Science Center		
Asmts in RAM	2007, 2015		

	Reference Points			
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-E00larvae	2015	2.82×10^{9}	
Fmsy	Fmsy-1/yr	2015	0.5	
ERmsy	ERmsy-ratio	2007	0.11	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	TB0-MT	2007	45,057	
SSB0	SSB0-MT	2007	33,390	
MSY	MSY-MT	2015	2133	
M	M-1/yr	2007	0.16	
TBlim	TBlim-MT	2007	8666	
SSBlim	SSBlim-E00larvae	2015	1.76×10^{9}	
Flim	Flim-1/yr	2015	0.5	
ERlim	-	-	-	

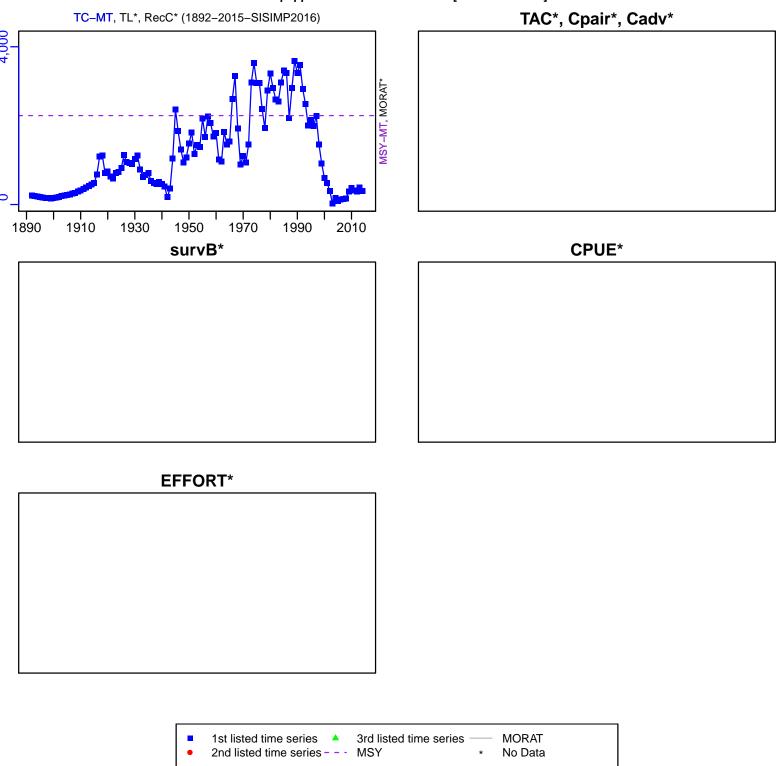
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	36,700	-	2+
SSB	SSB-E00larvae	2015	4.5×10^{9}	Females	-
TN	-	-	-	-	-
R	R-E00	2015	37,700,000	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	325		
TL	-	-	-]	
TB/TBmsy	-	-	-]	
SSB/SSBmsy	SSB-E00larvae/SSBmsy-E00larvae	2015	1.6		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.18		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	0.03		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Chilipepper Southern Pacific Coast [CHILISPCOAST]





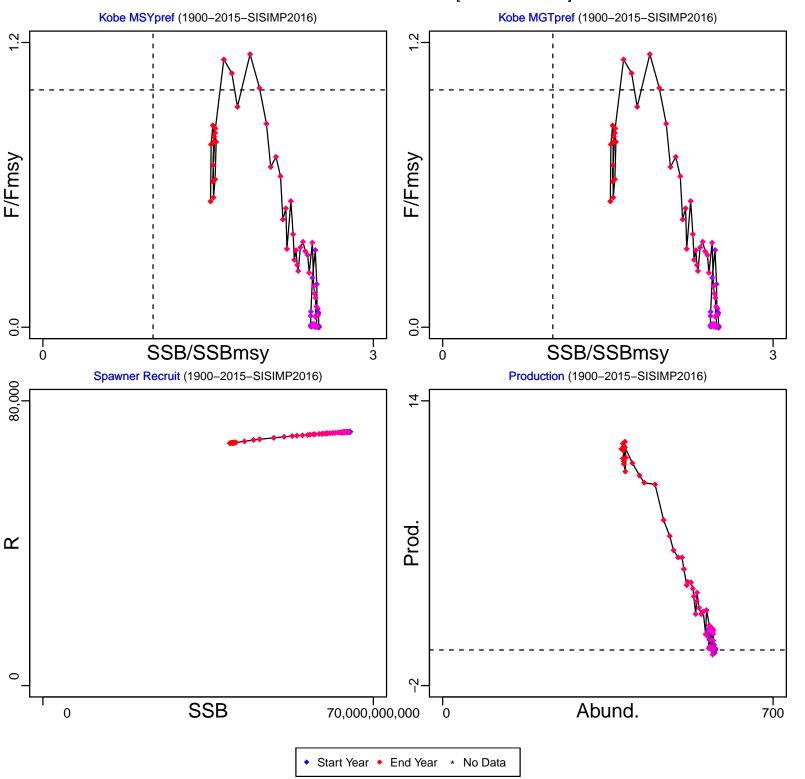
Chilipepper Southern Pacific Coast [CHILISPCOAST]

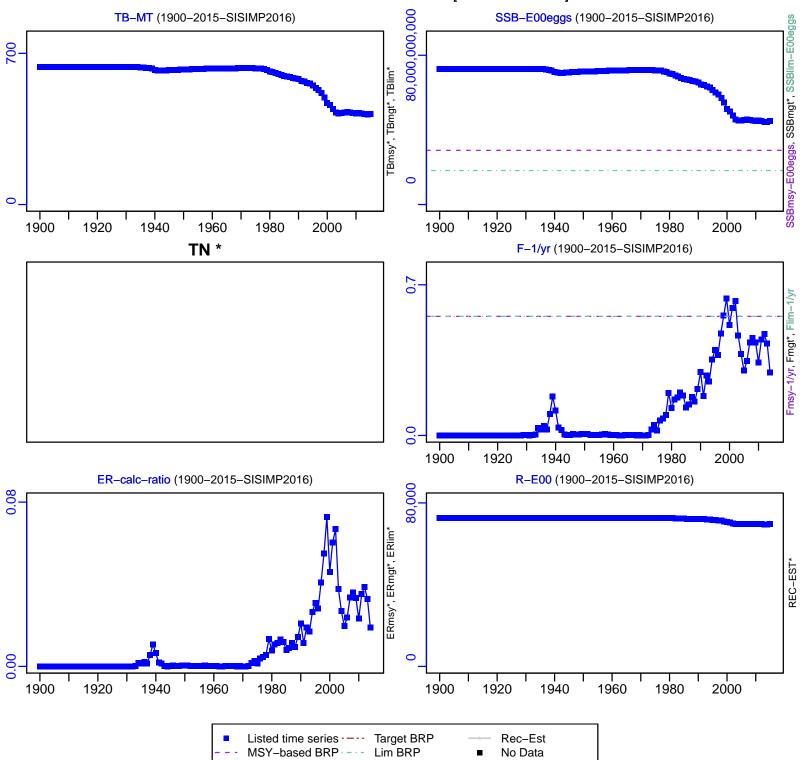


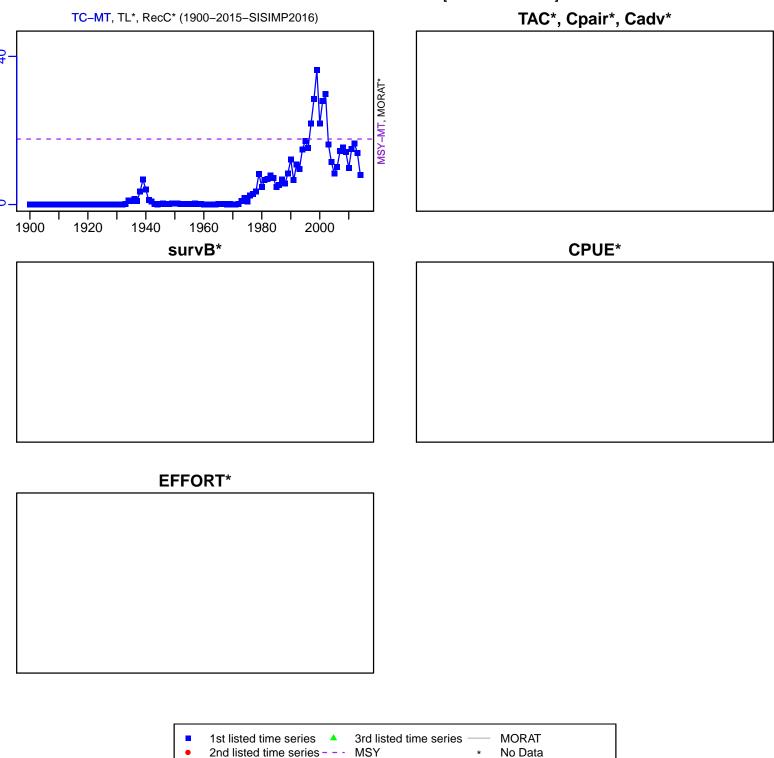
Metadata			
Scientific Name	Sebastes nebulosus		
Current Assess ID	NWFSC-CHROCKCPCOAST-1900-2015-SISIMP2016		
Area Central Pacific Coast			
Management Authority National Marine Fisheries Service, US national manageme			
Assessor	Northwest Fisheries Science Center		
Asmts in RAM	2015		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-E00eggs	2015	2.6×10^{10}	
Fmsy	Fmsy-1/yr	2015	0.5	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2015	16	
M	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-E00eggs	2015	1.63×10^{10}	
Flim	Flim-1/yr	2015	0.5	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	381	-	5+
SSB	SSB-E00eggs	2015	4×10^{10}	Females	-
TN	-	-	-	-	-
R	R-E00	2015	68,200	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	7.04		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2015	1.54		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.53		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		







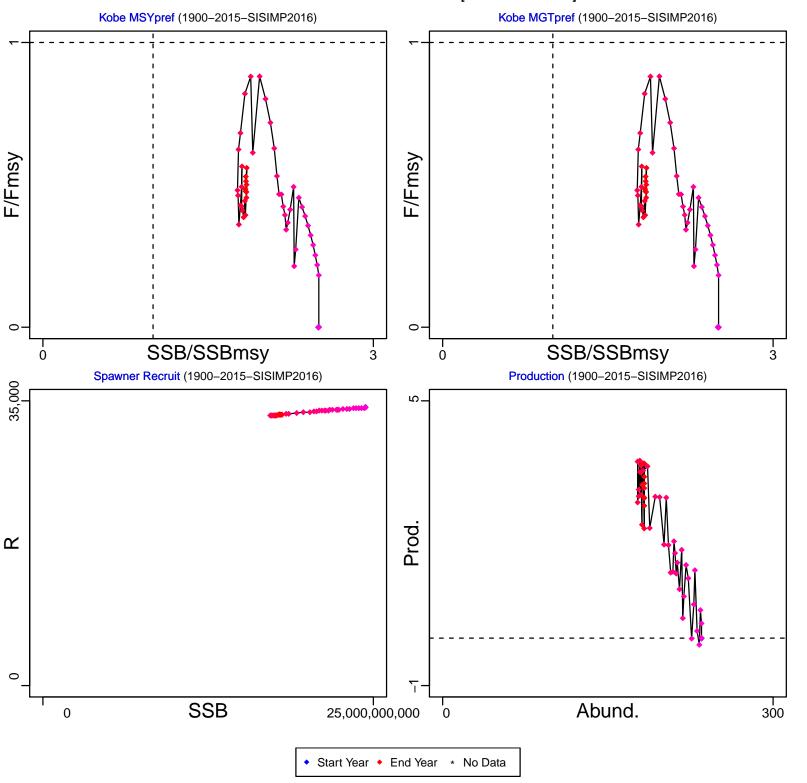
China rockfish Northern Pacific Coast [CHROCKNPCOAST]

Metadata				
Scientific Name	Sebastes nebulosus			
Current Assess ID	SWFSC-CHROCKNPCOAST-1900-2015-SISIMP2016			
Area	Northern Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management			
Assessor	Southwest Fisheries Science Center			
Asmts in RAM	2015			

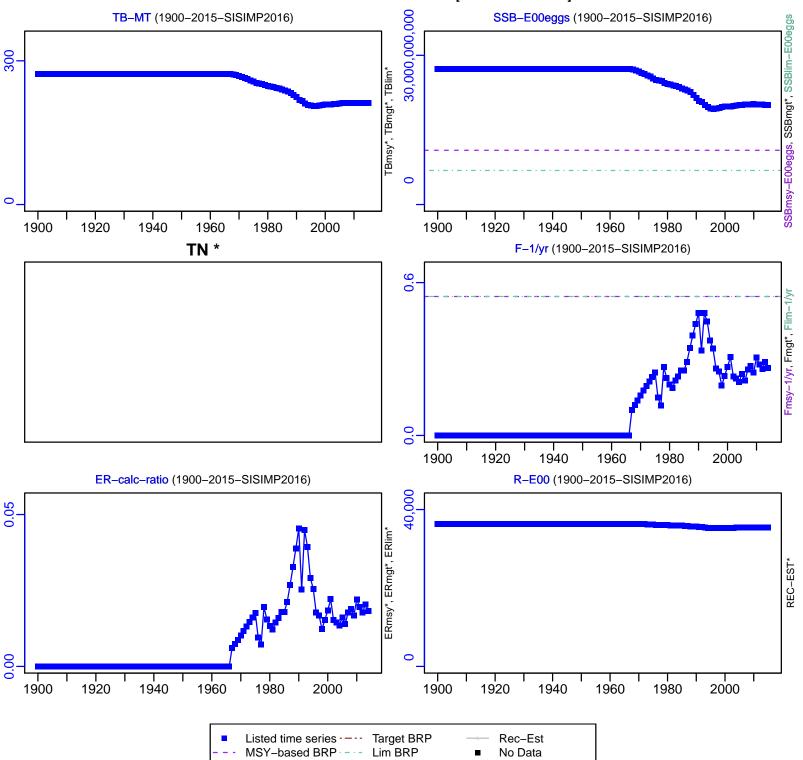
Reference Points						
Туре	ID	Asmt Year	Value			
TBmsy	-	-	-			
SSBmsy	SSBmsy-E00eggs	2015	9.76×10^{9}			
Fmsy	Fmsy-1/yr	2015	0.5			
ERmsy	-	-	-			
TBmgt	-	-	-			
SSBmgt	-	-	-			
Fmgt	-	-	-			
ERmgt	-	-	-			
TB0	-	-	-			
SSB0	-	-	-			
MSY	-	-	-			
М	-	-	-			
TBlim	-	-	-			
SSBlim	SSBlim-E00eggs	2015	6.13×10^{9}			
Flim	Flim-1/yr	2015	0.5			
ERlim	-	-	-			

Time Series							
Туре	ID	Asmt Year	Curr Value	Sex	Age		
ТВ	TB-MT	2015	183	-	5+		
SSB	SSB-E00eggs	2015	1.79×10^{10}	Females	-		
TN	-	-	-	-	-		
R	R-E00	2015	33,300	-	0		
F	F-1/yr	2015	0	-	-		
ER	ER-calc-ratio	2015	0	-	-		
TC	TC-MT	2015	3.02				
TL	-	-	-				
TB/TBmsy	-	-	-				
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2015	1.84				
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.48				
ER/ERmsy	-	-	-				
TB/TBmgt	-	-	-				
SSB/SSBmgt	-	-	-				
F/Fmgt	-	-	-				
ER/ERmgt	-	-	-				

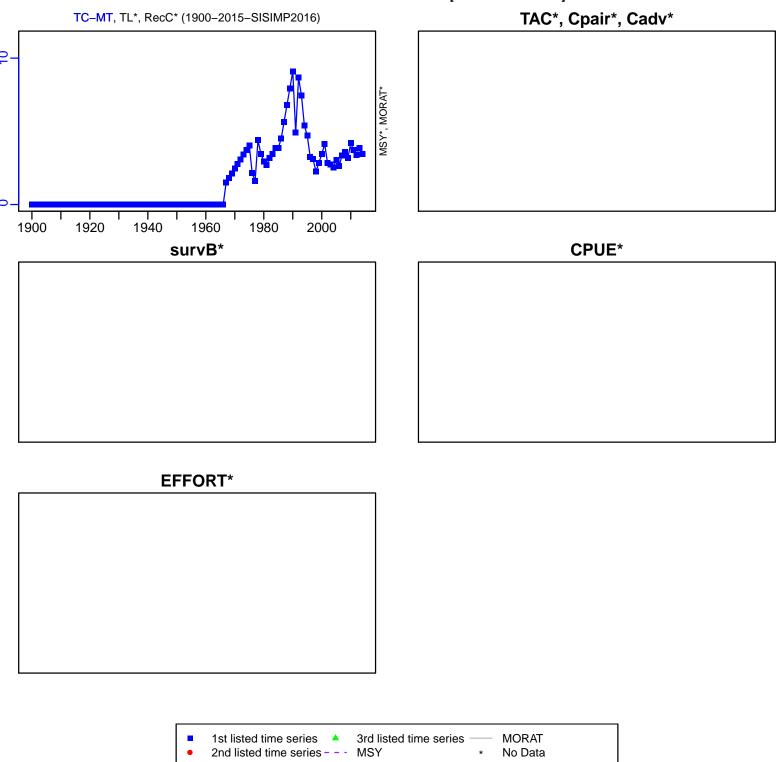
China rockfish Northern Pacific Coast [CHROCKNPCOAST]



China rockfish Northern Pacific Coast [CHROCKNPCOAST]



China rockfish Northern Pacific Coast [CHROCKNPCOAST]



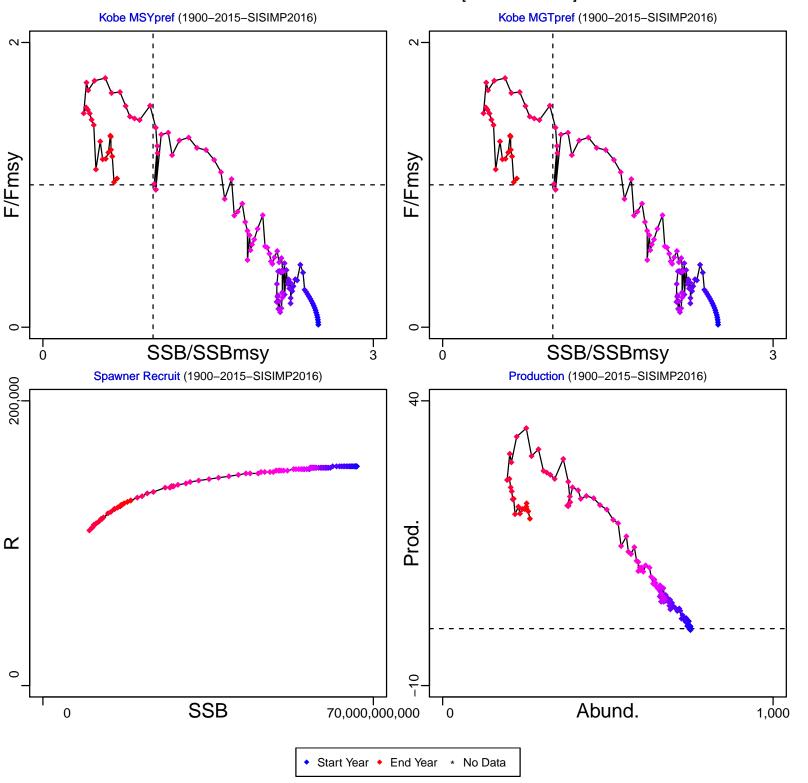
China rockfish Southern Pacific Coast [CHROCKSPCOAST]

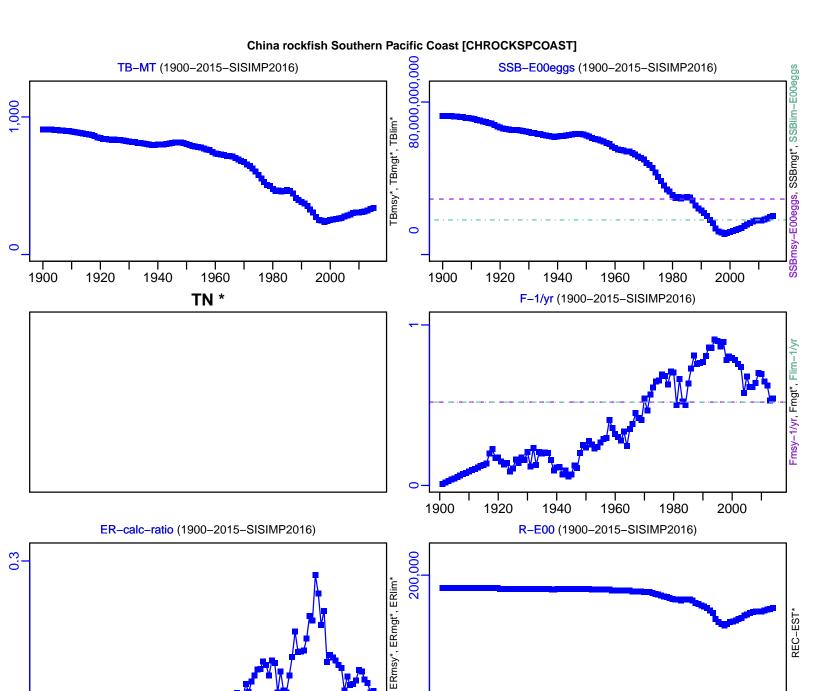
Metadata			
Scientific Name	Sebastes nebulosus		
Current Assess ID	NWFSC-CHROCKSPCOAST-1900-2015-SISIMP2016		
Area Southern Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor	Northwest Fisheries Science Center		
Asmts in RAM	2015		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-E00eggs	2015	2.66×10^{10}		
Fmsy	Fmsy-1/yr	2015	0.5		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	MSY-MT	2015	21		
M	-	-	-		
TBlim	-	-	-		
SSBlim	SSBlim-E00eggs	2015	1.66×10^{10}		
Flim	Flim-1/yr	2015	0.5		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	280	-	5+
SSB	SSB-E00eggs	2015	1.86×10^{10}	-	-
TN	-	-	-	-	-
R	R-E00	2015	130,000	-	0
F	F-1/yr	2015	1	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	12.4		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2015	0.7		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	1.04		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

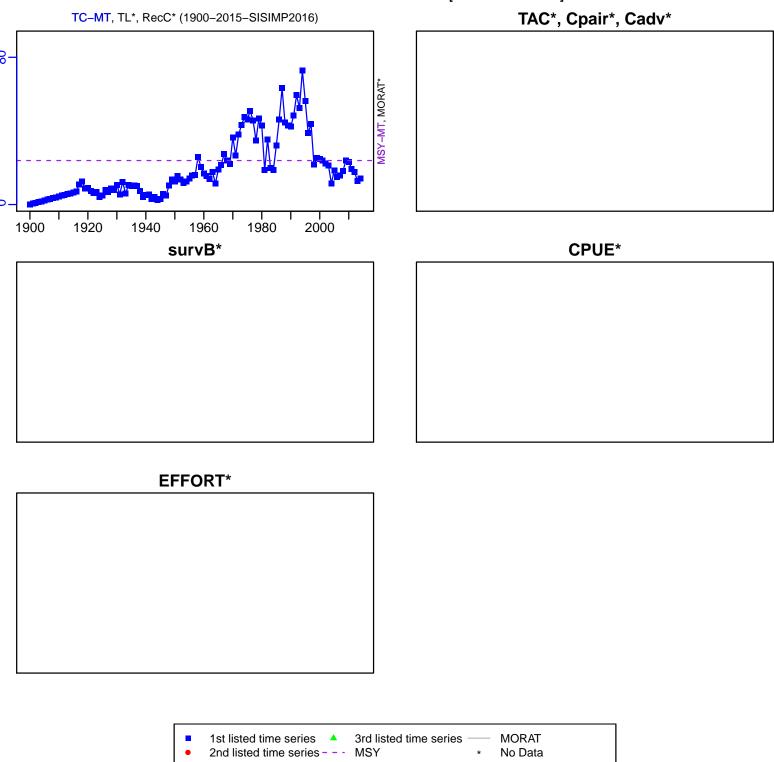
China rockfish Southern Pacific Coast [CHROCKSPCOAST]







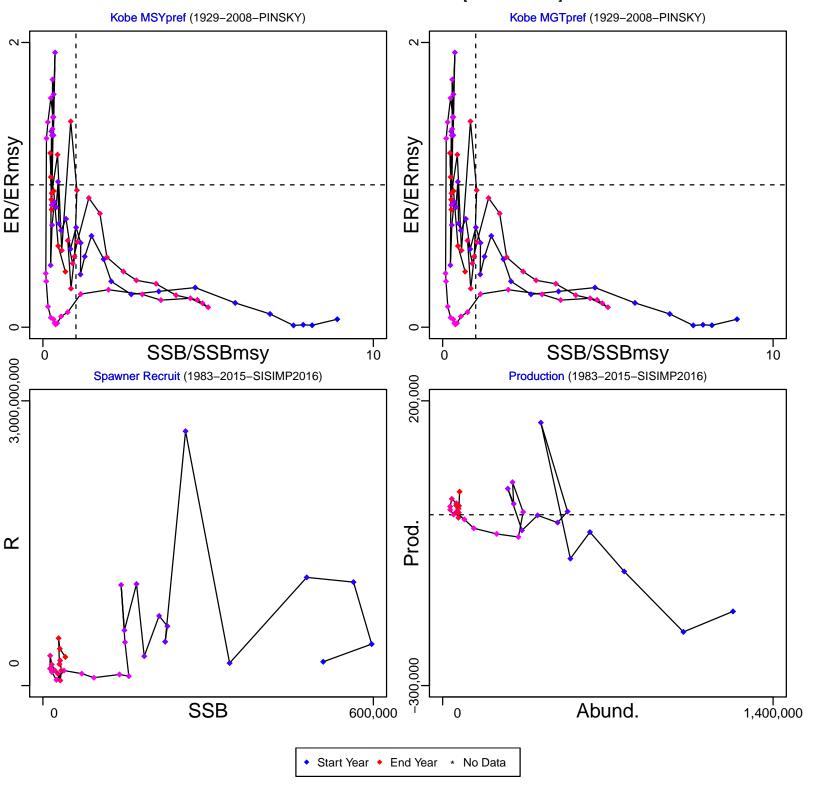
China rockfish Southern Pacific Coast [CHROCKSPCOAST]

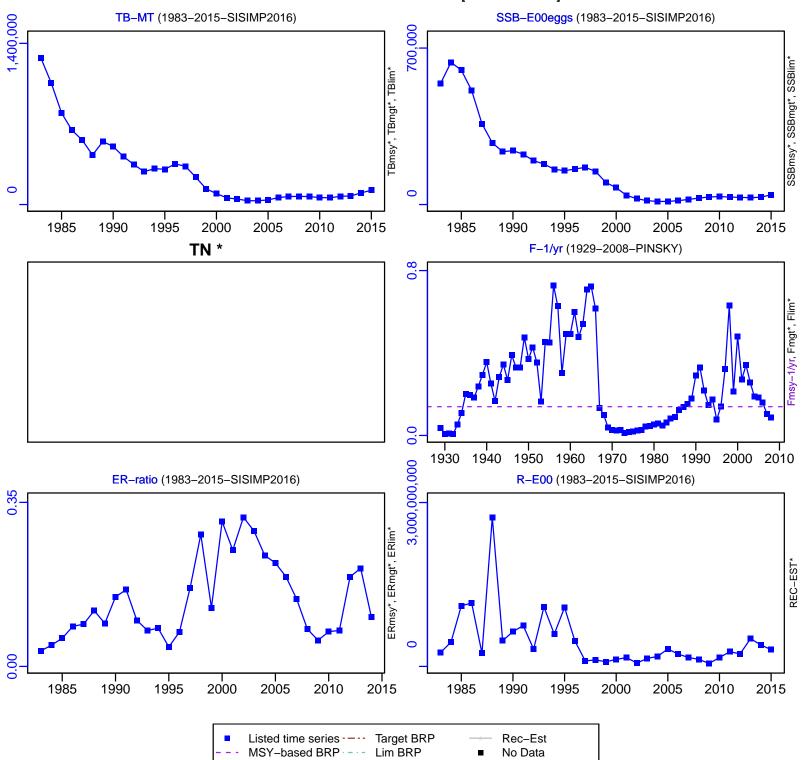


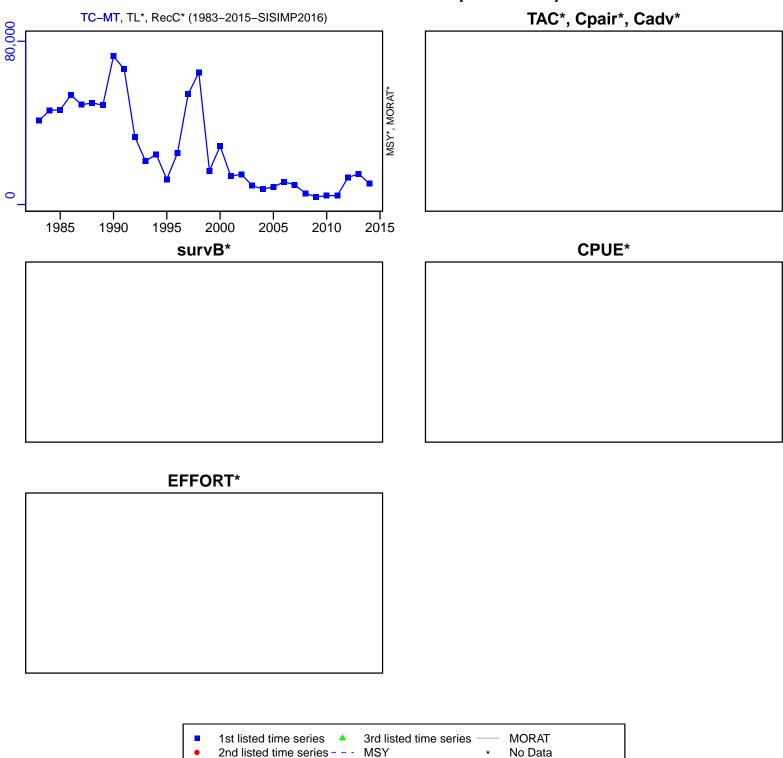
Metadata			
Scientific Name	Scomber japonicus		
Current Assess ID	SWFSC-CMACKPCOAST-1983-2015-SISIMP2016		
Area Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor	Southwest Fisheries Science Center		
Asmts in RAM	2008, 2015		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-MT	2008	122,357		
Fmsy	Fmsy-1/yr	2008	0.14		
ERmsy	ERmsy-ratio	2008	0.18		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	SSB0-MT	2008	182,791		
MSY	MSY-MT	2008	23,048		
M	M-1/yr	2008	0.5		
TBlim	TBlim-MT	2015	18,200		
SSBlim	SSBlim-MT	2008	29,420		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	120,000	Both	1+
SSB	SSB-E00eggs	2015	40,800	Females	-
TN	-	-	-	-	-
R	R-E00	2015	3.01×10^{8}	-	0
F	F-1/yr	2008	0	-	-
ER	ER-ratio	2015	0	-	-
TC	TC-MT	2015	10,100		
TL	TL-MT	2008	13,700		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2008	0.68		
F/Fmsy	F-1/yr/Fmsy-1/yr	2008	0.63		
ER/ERmsy	ER-ratio/ERmsy-ratio	2008	0.39		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



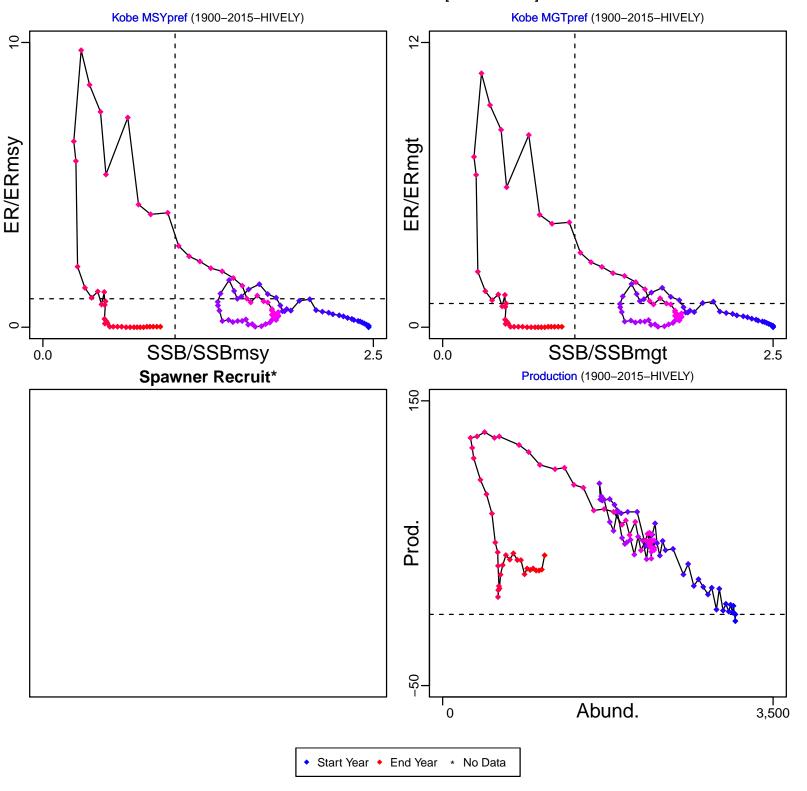


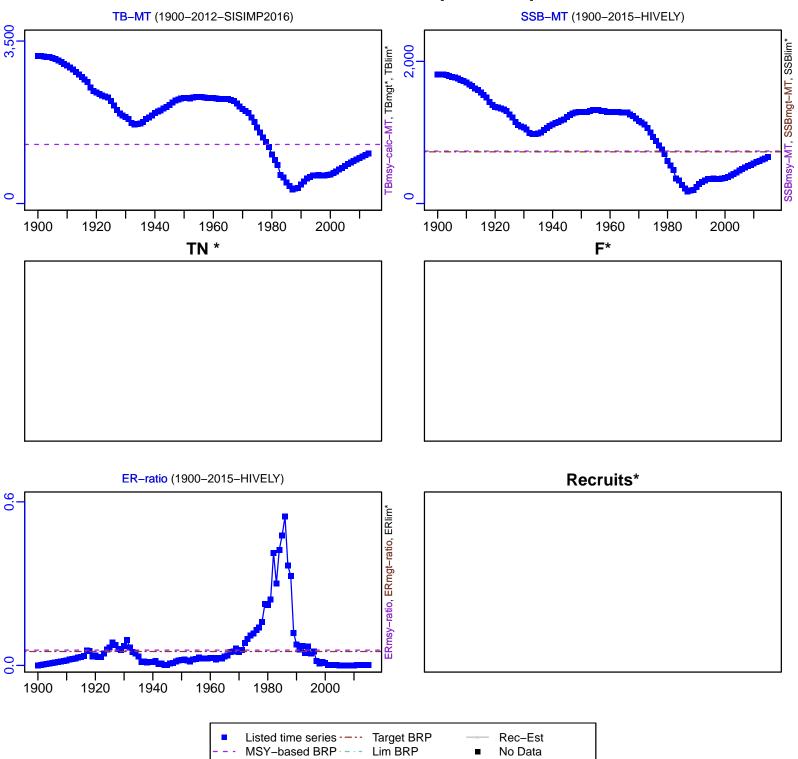


Metadata			
Scientific Name	Sebastes levis		
Current Assess ID	PFMC-COWCODSCAL-1900-2015-HIVELY		
Area	Southern California		
Management Authority	National Marine Fisheries Service, US national management		
Assessor	Pacific Fishery Management Council		
Asmts in RAM	2015, 2012		

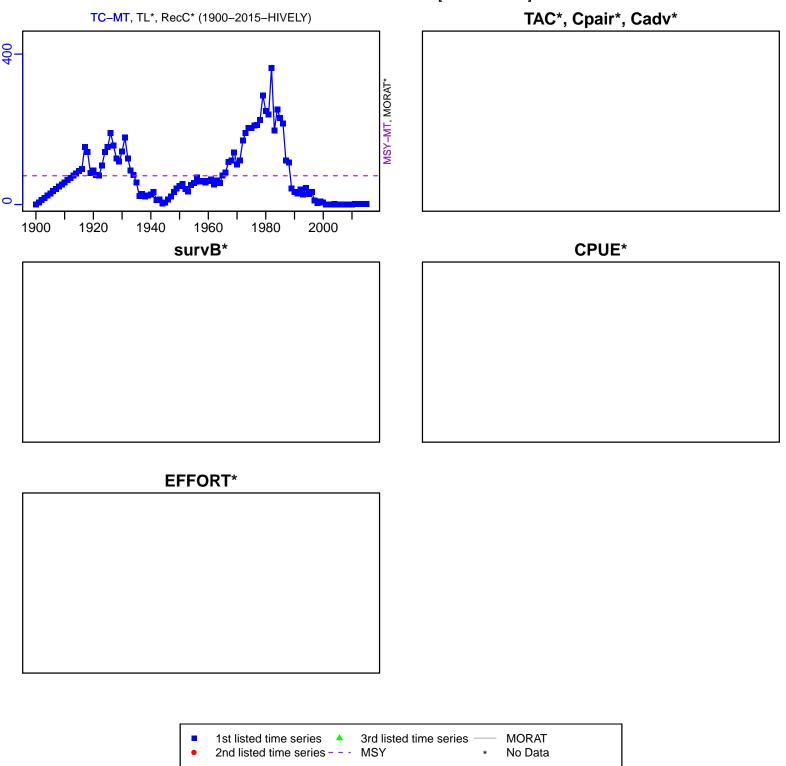
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2012	1240	
SSBmsy	SSBmsy-MT	2015	629	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2015	0.06	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2015	620	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2015	0.05	
TB0	TB0-MT	2015	3099	
SSB0	SSB0-MT	2015	1549	
MSY	MSY-MT	2015	69	
M	M-1/yr	2015	0.06	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	ERlim-ratio	2012	0.05	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	1120	-	11+
SSB	SSB-MT	2015	559	Females	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2015	0	-	-
TC	TC-MT	2015	1.5		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2012	0.85		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	0.89		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2015	0.02		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	0.9		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





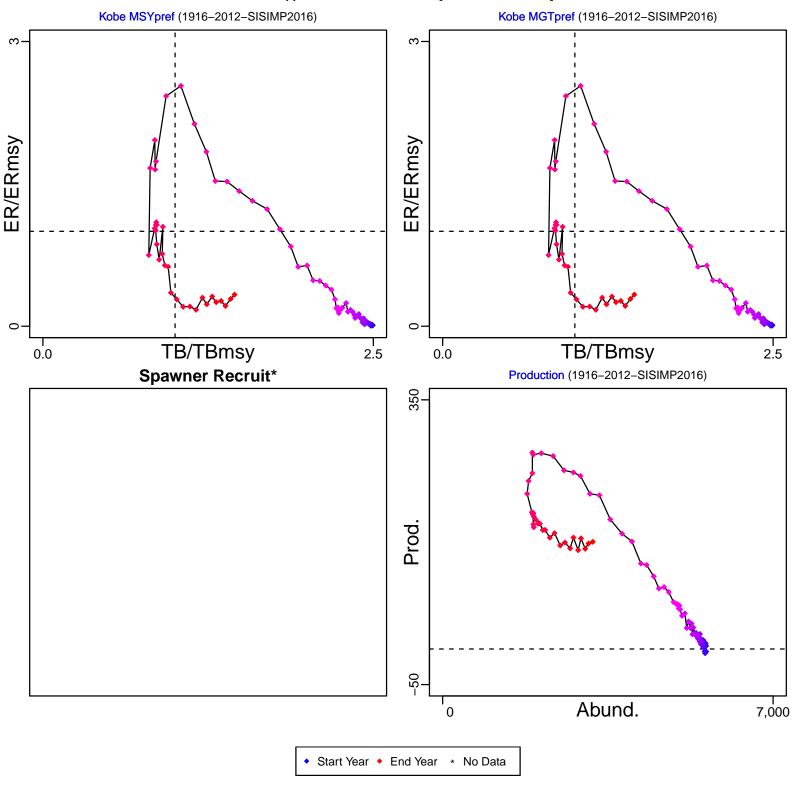
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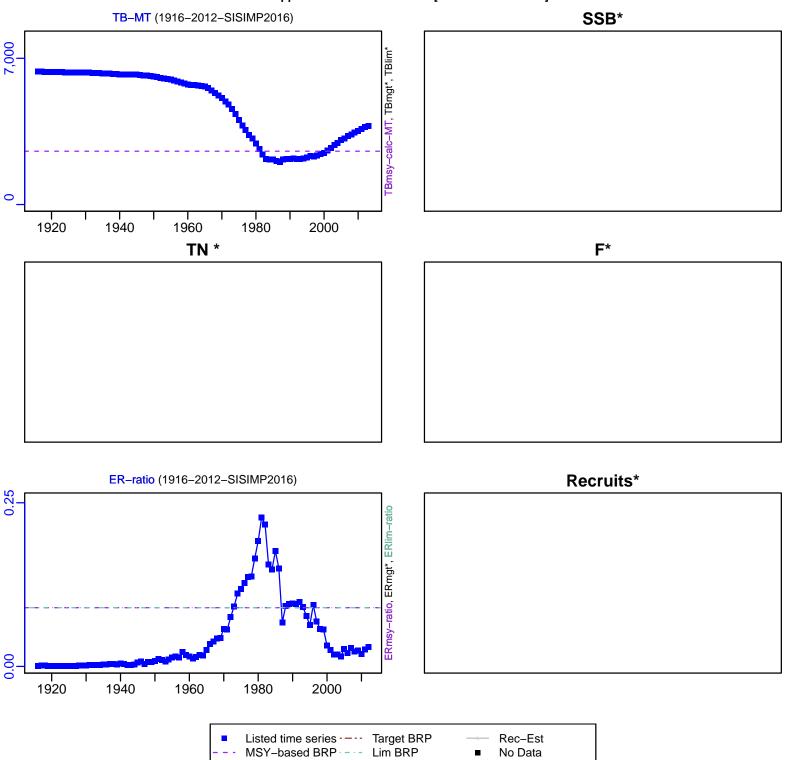


Metadata			
Scientific Name	Sebastes caurinus		
Current Assess ID	SWFSC-CPRROCKPCOAST-1916-2012-SISIMP2016		
Area Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor	Southwest Fisheries Science Center		
Asmts in RAM	2012		

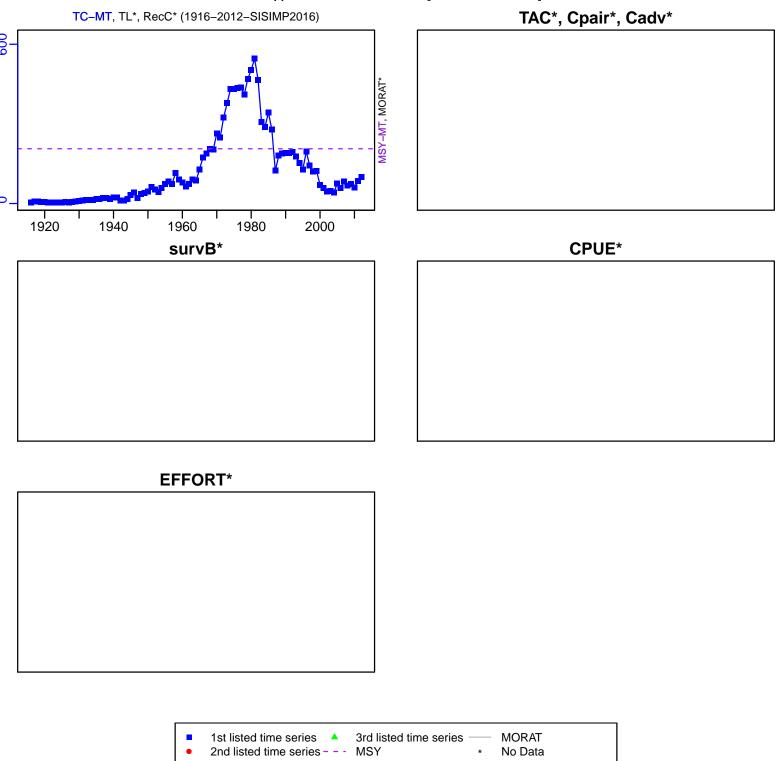
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2012	2238	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2012	0.09	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2012	197	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	ERlim-ratio	2012	0.09	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2012	3290	-	6+
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2012	0	-	-
TC	TC-MT	2012	95.1		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2012	1.47		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2012	0.33		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





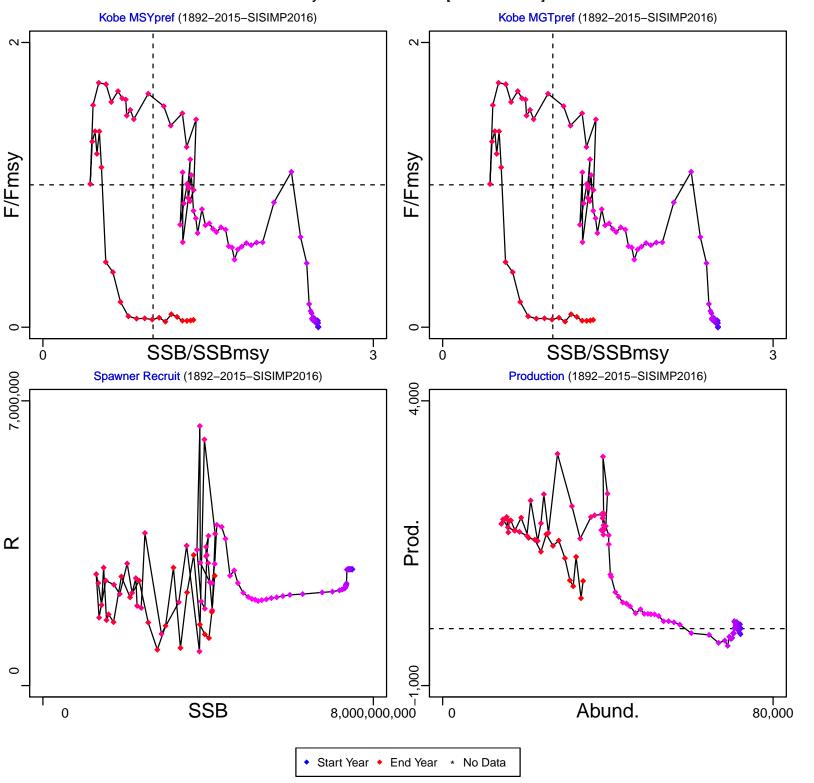
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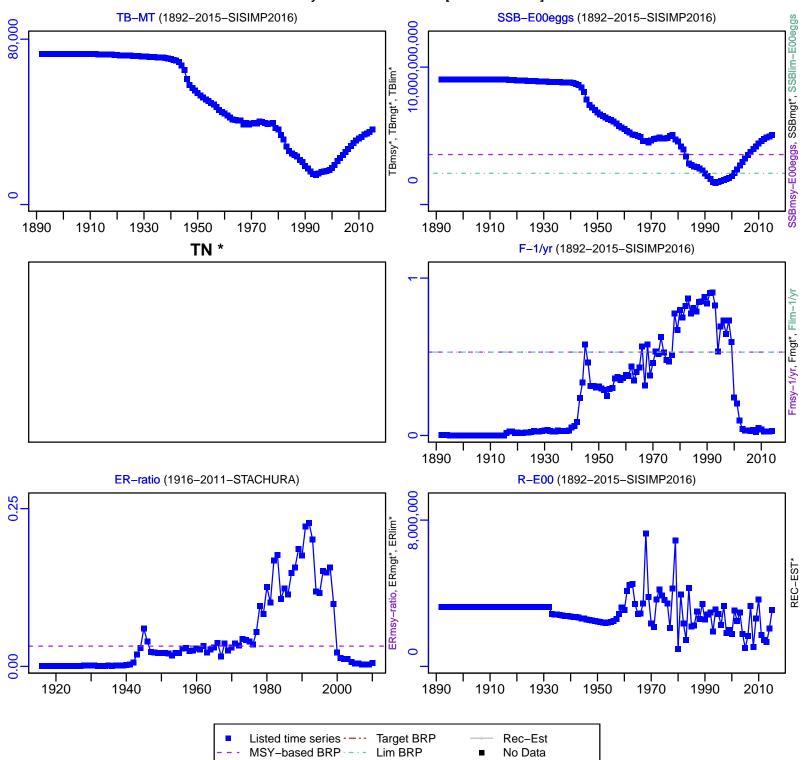


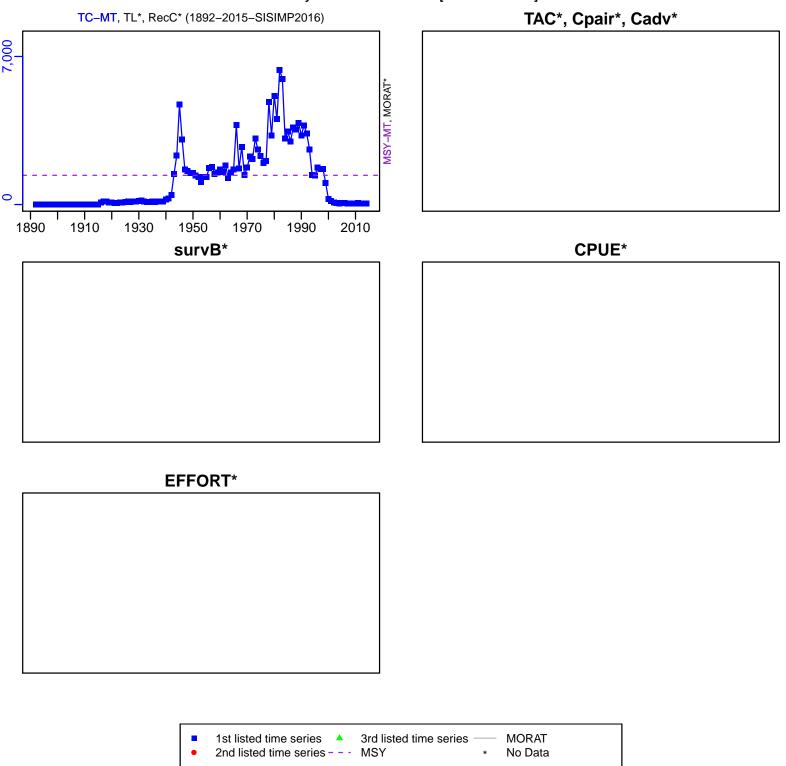
Metadata			
Scientific Name	Sebastes pinniger		
Current Assess ID	NWFSC-CROCKPCOAST-1892-2015-SISIMP2016		
Area Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor	Northwest Fisheries Science Center		
Asmts in RAM	2015, 2011		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-E00eggs	2015	2,996,400,000		
Fmsy	Fmsy-1/yr	2015	0.5		
ERmsy	ERmsy-ratio	2011	0.03		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	TB0-MT	2011	70,664		
SSB0	SSB0-MT	2011	27,846		
MSY	MSY-MT	2015	1226		
M	M-1/yr	2011	0.06		
TBlim	-	-	-		
SSBlim	SSBlim-E00eggs	2015	1,872,750,000		
Flim	Flim-1/yr	2015	0.5		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	36,000	-	5+
SSB	SSB-E00eggs	2015	4.16×10^{9}	Females	-
TN	-	-	-	-	-
R	R-E00	2015	2,700,000	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	41.6		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2015	1.39		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.05		
ER/ERmsy	ER-ratio/ERmsy-ratio	2011	0.17		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



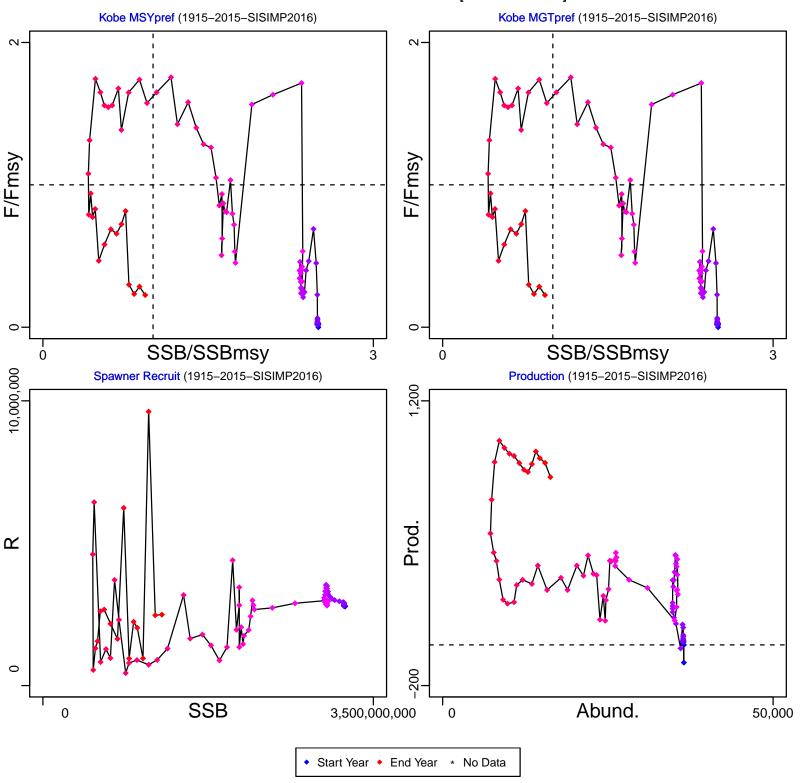


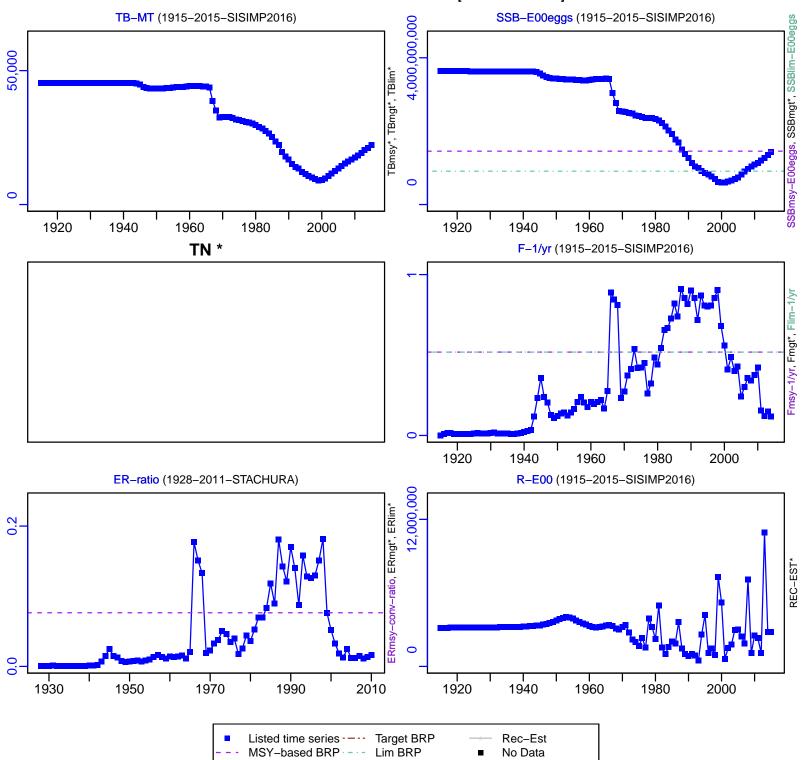


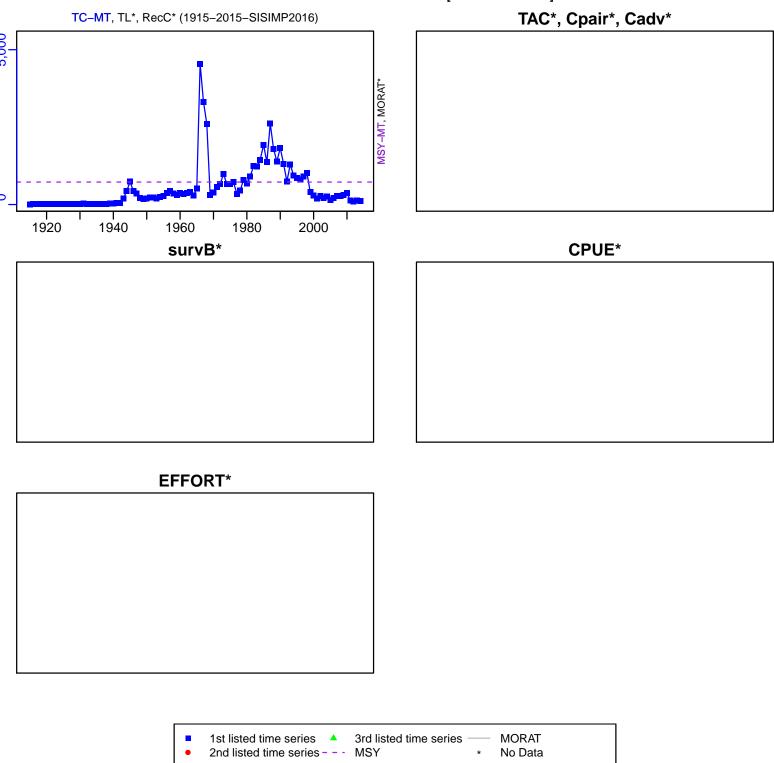
Metadata			
Scientific Name	Sebastes crameri		
Current Assess ID	NWFSC-DKROCKPCOAST-1915-2015-SISIMP2016		
Area Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor	Northwest Fisheries Science Center		
Asmts in RAM	2015, 2011		

	Reference Points			
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-E00eggs	2015	1.28×10^{9}	
Fmsy	Fmsy-1/yr	2015	0.5	
ERmsy	ERmsy-conv-ratio	2011	0.06	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	TB0-MT	2011	32,710	
SSB0	SSB0-E00eggs	2011	2.92×10^{12}	
MSY	MSY-MT	2015	674	
M	M-1/yr	2011	0.07	
TBlim	-	-	-	
SSBlim	SSBlim-E00eggs	2015	8×10^8	
Flim	Flim-1/yr	2015	0.5	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	17,900	-	1+
SSB	SSB-E00eggs	2015	1.26×10^{9}	Females	-
TN	-	-	-	-	-
R	R-E00	2015	2,490,000	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	104		
TL	TL-MT	2011	183		
TB/TBmsy	TB-MT/TB0-MT	2011	1.15		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2015	0.98		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.23		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2011	0.21		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



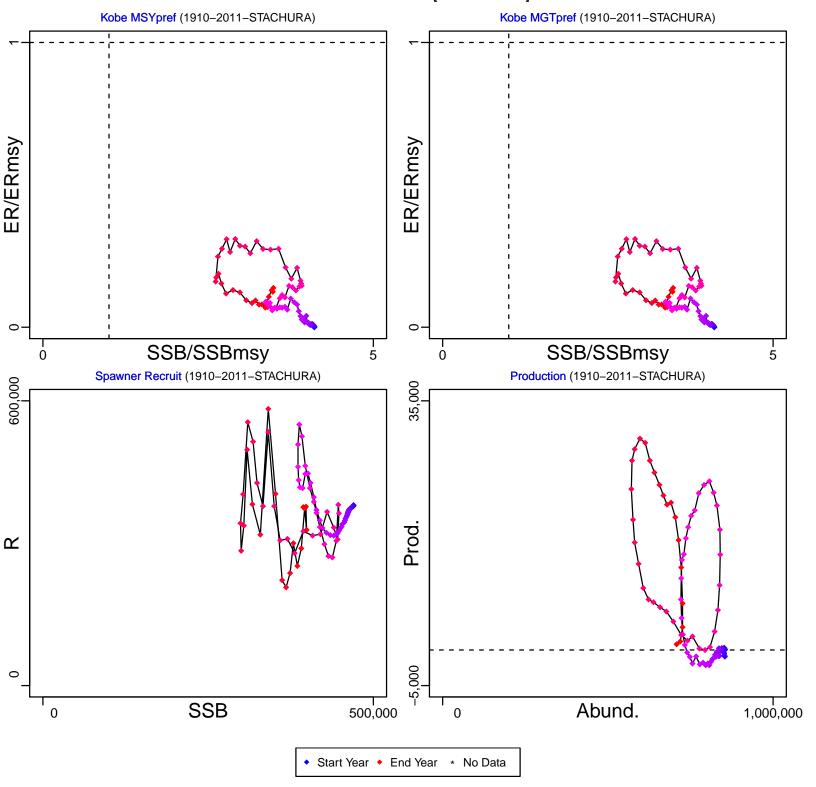


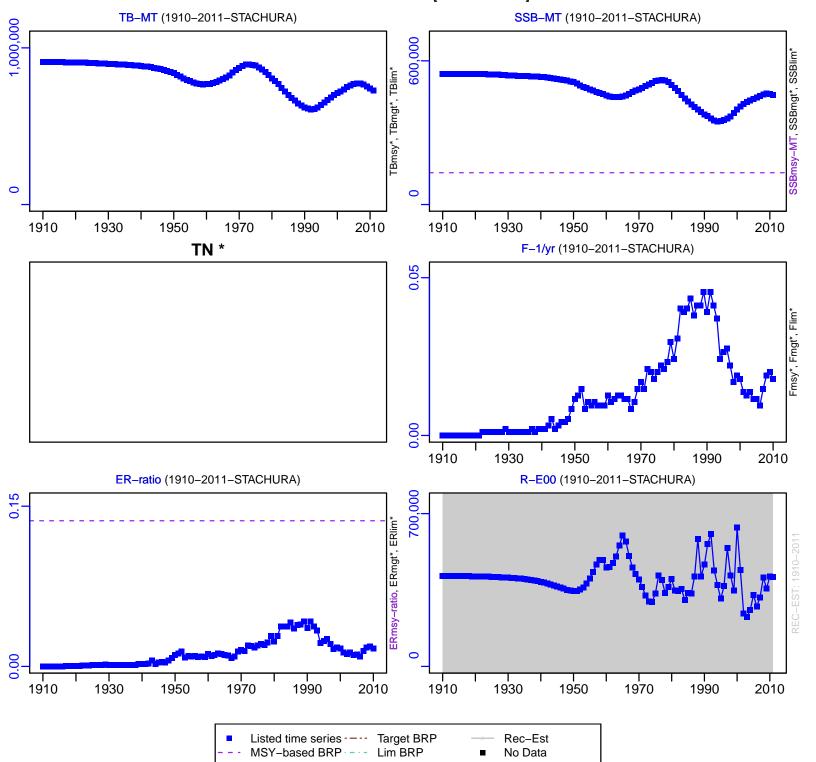


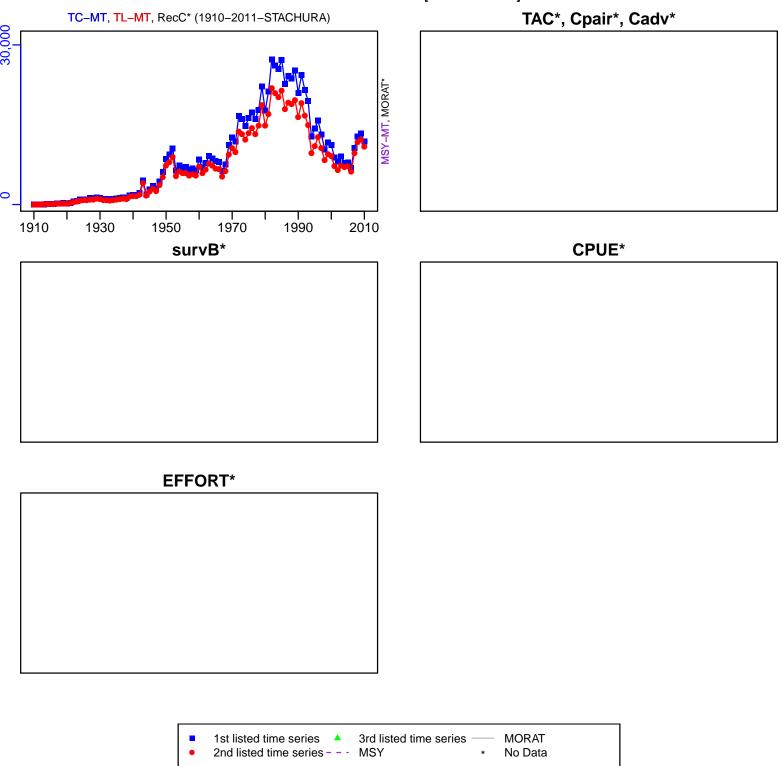
Metadata			
Scientific Name	Microstomus pacificus		
Current Assess ID	SWFSC-DSOLEPCOAST-1910-2011-STACHURA		
Area Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor Southwest Fisheries Science Center			
Asmts in RAM	2011		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-MT	2011	114,398		
Fmsy	-	-	-		
ERmsy	ERmsy-ratio	2011	0.13		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	TB0-MT	2011	821,271		
SSB0	SSB0-MT	2011	469,866		
MSY	MSY-MT	2011	34,757		
М	M-1/yr	2011	0.1		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2011	685,000	-	0+
SSB	SSB-MT	2011	394,000	Females	5+
TN	-	-	-	-	-
R	R-E00	2011	376,000	-	0
F	F-1/yr	2011	0	Both	5+
ER	ER-ratio	2011	0	-	-
TC	TC-MT	2011	11,300		•
TL	TL-MT	2011	10,400		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2011	3.44		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2011	0.12		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



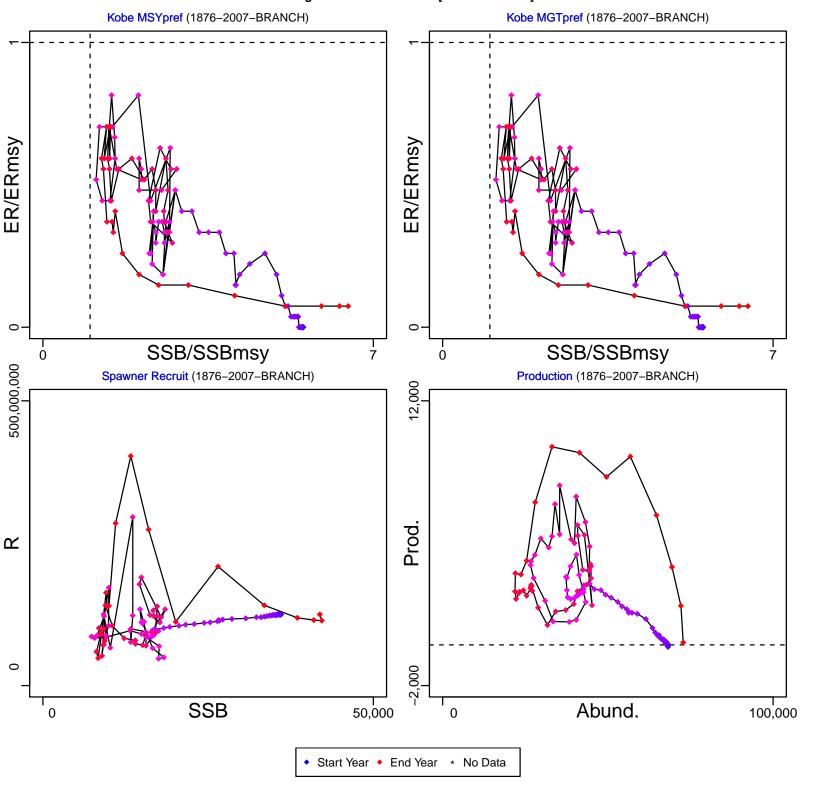


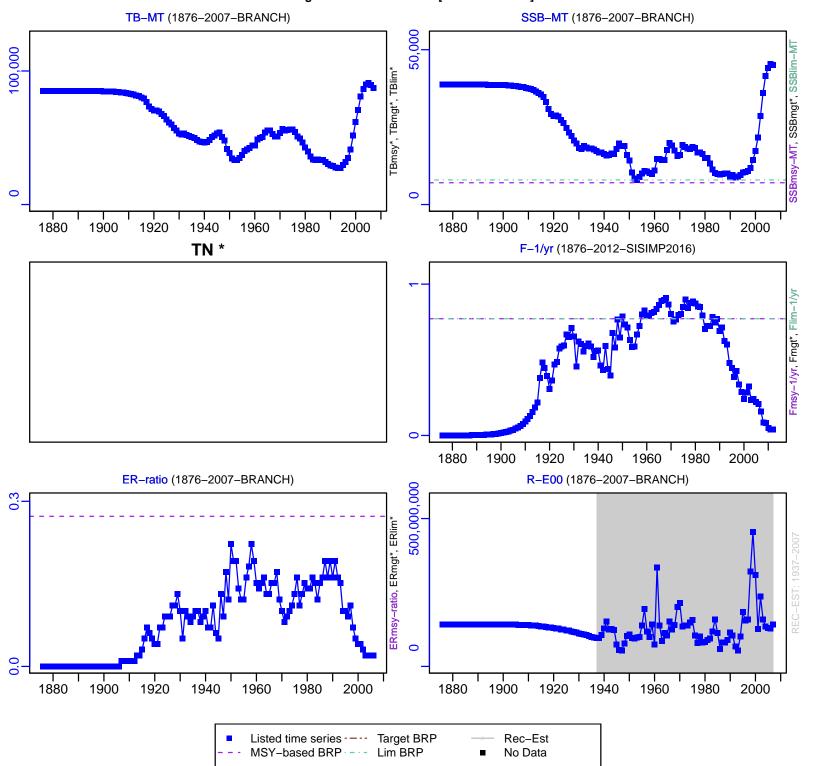


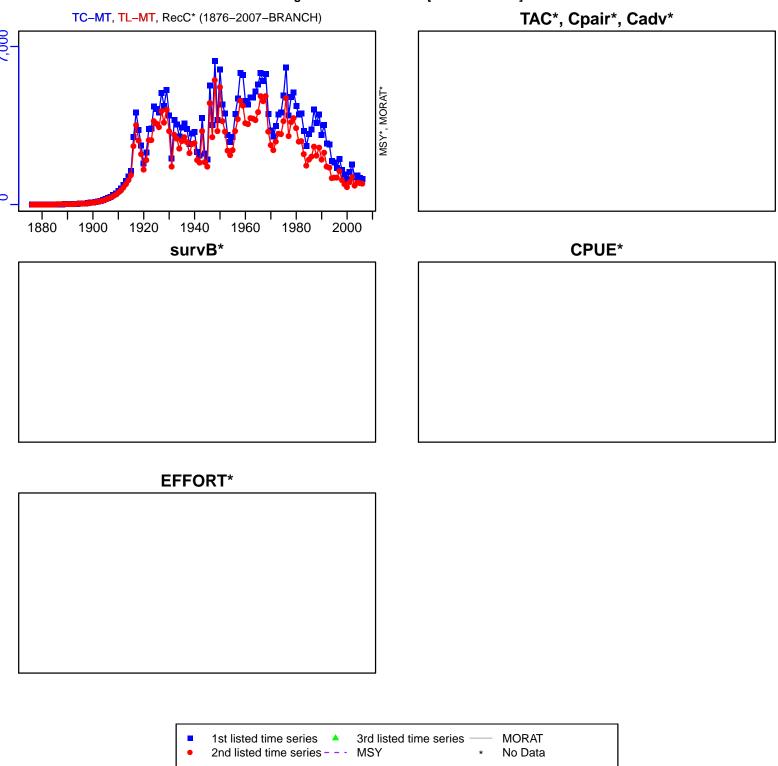
Metadata			
Scientific Name	Parophrys vetulus		
Current Assess ID	NWFSC-ESOLEPCOAST-1876-2012-SISIMP2016		
Area Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor	Northwest Fisheries Science Center		
Asmts in RAM	2007, 2012		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2007	6526	
Fmsy	Fmsy-1/yr	2012	0.7	
ERmsy	ERmsy-ratio	2007	0.27	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2007	36,012	
MSY	MSY-MT	2012	3875	
M	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2007	7364	
Flim	Flim-1/yr	2012	0.7	
ERlim	-	-	-	

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2007	69,900	-	7.7+
SSB	SSB-MT	2007	41,900	Females	3+
TN	-	-	-	-	-
R	R-E00	2007	1.25×10^{8}	-	0
F	F-1/yr	2012	0	-	-
ER	ER-ratio	2007	0	-	-
TC	TC-MT	2007	1080		
TL	TL-MT	2007	886		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2007	6.42		
F/Fmsy	F-1/yr/Fmsy-1/yr	2012	0.05		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	0.07		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		







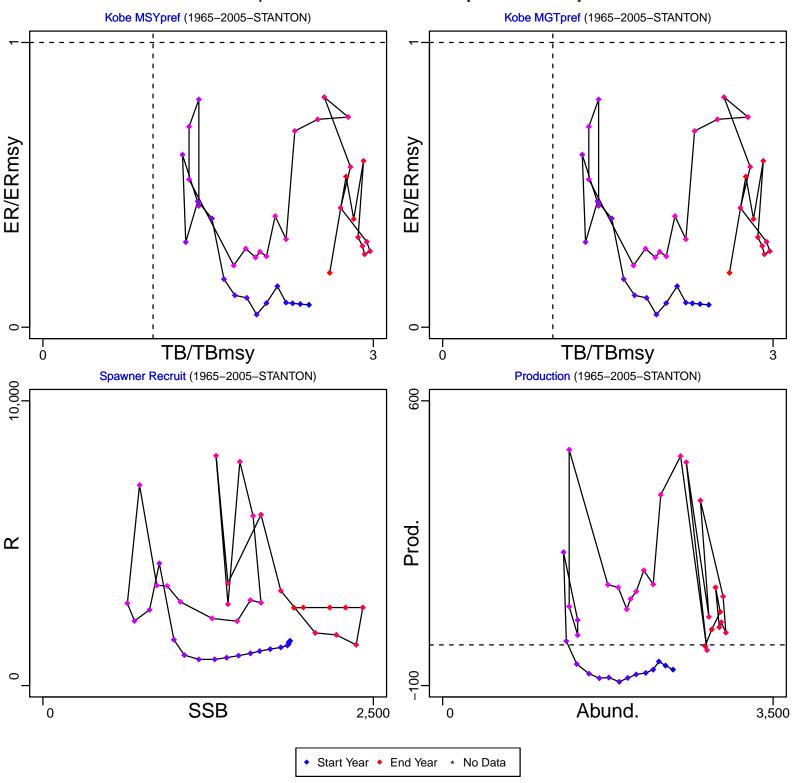
Gopher rockfish Southern Pacific Coast [GOPHERSPCOAST]

Metadata				
Scientific Name	Sebastes carnatus			
Current Assess ID	ent Assess ID SWFSC-GOPHERSPCOAST-1965-2005-STANTON			
Area	Southern Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management			
Assessor	Southwest Fisheries Science Center			
Asmts in RAM	2005			

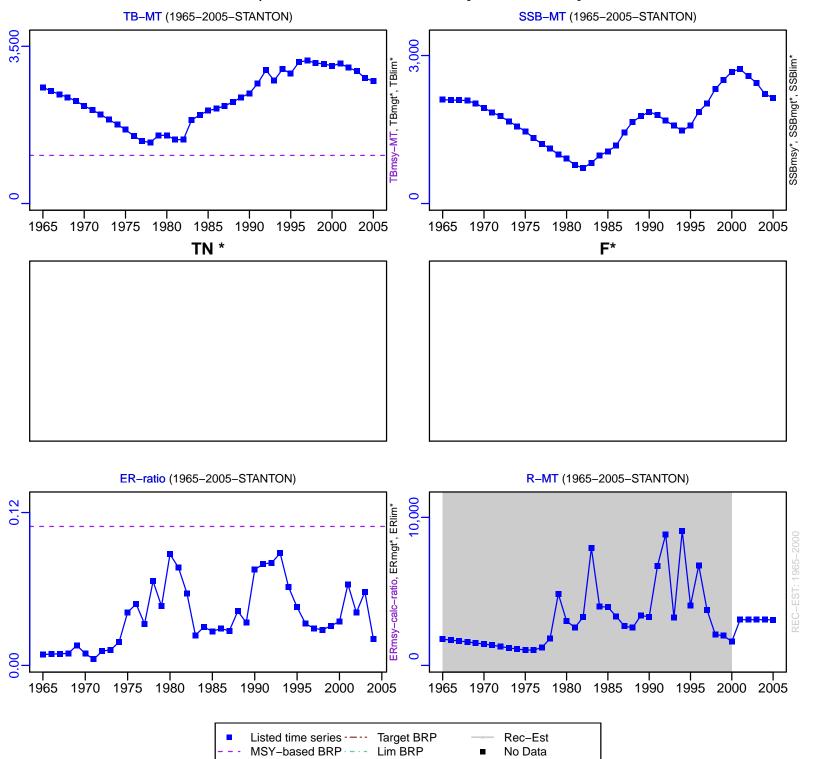
Reference Points						
Туре	ID	Asmt Year	Value			
TBmsy	TBmsy-MT	2005	1010			
SSBmsy	-	-	-			
Fmsy	-	-	-			
ERmsy	ERmsy-calc-ratio	2005	0.1			
TBmgt	-	-	-			
SSBmgt	-	-	-			
Fmgt	-	-	-			
ERmgt	-	-	-			
TB0	TB0-MT	2005	2440			
SSB0	SSB0-MT	2005	1995			
MSY	MSY-MT	2005	101			
М	M-1/yr	2005	0.2			
TBlim	-	-	-			
SSBlim	-	-	-			
Flim	-	-	-			
ERlim	-	-	-			

Time Series							
Туре	ID	Asmt Year	Curr Value	Sex	Age		
ТВ	TB-MT	2005	2570	-	1+		
SSB	SSB-MT	2005	1900	Females	3+		
TN	-	-	-	-	-		
R	R-MT	2005	2730	-	0		
F	-	-	-	-	-		
ER	ER-ratio	2005	0	-	-		
TC	TC-MT	2005	50.3				
TL	-	-	-				
TB/TBmsy	TB-MT/TBmsy-MT	2005	2.54				
SSB/SSBmsy	-	-	-				
F/Fmsy	-	-	-				
ER/ERmsy	ER-ratio/ERmsy-calc-ratio	2005	0.19				
TB/TBmgt	-	-	-				
SSB/SSBmgt	-	-	-				
F/Fmgt	-	-	-				
ER/ERmgt	-	-	-				

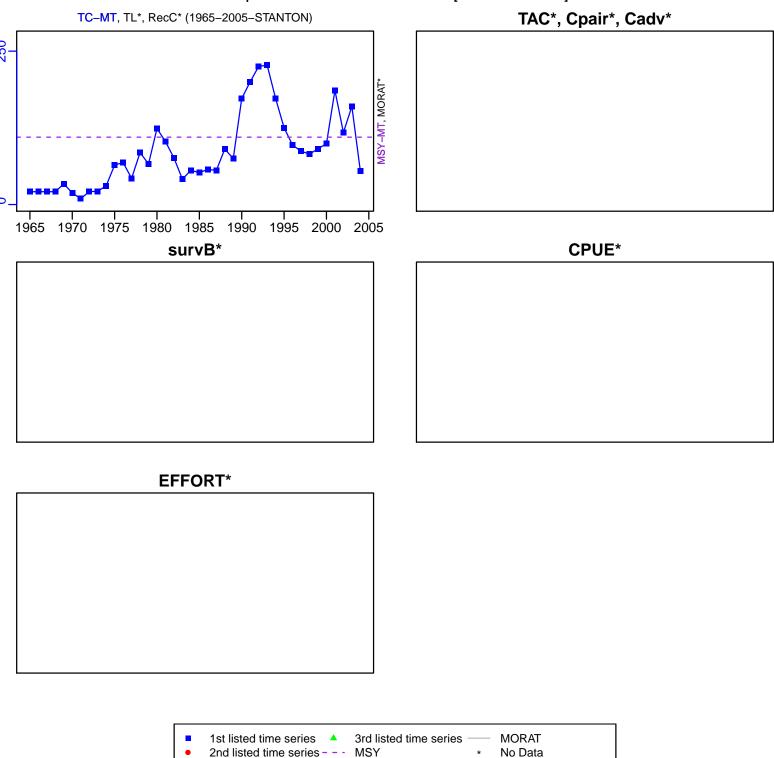
Gopher rockfish Southern Pacific Coast [GOPHERSPCOAST]



Gopher rockfish Southern Pacific Coast [GOPHERSPCOAST]



Gopher rockfish Southern Pacific Coast [GOPHERSPCOAST]



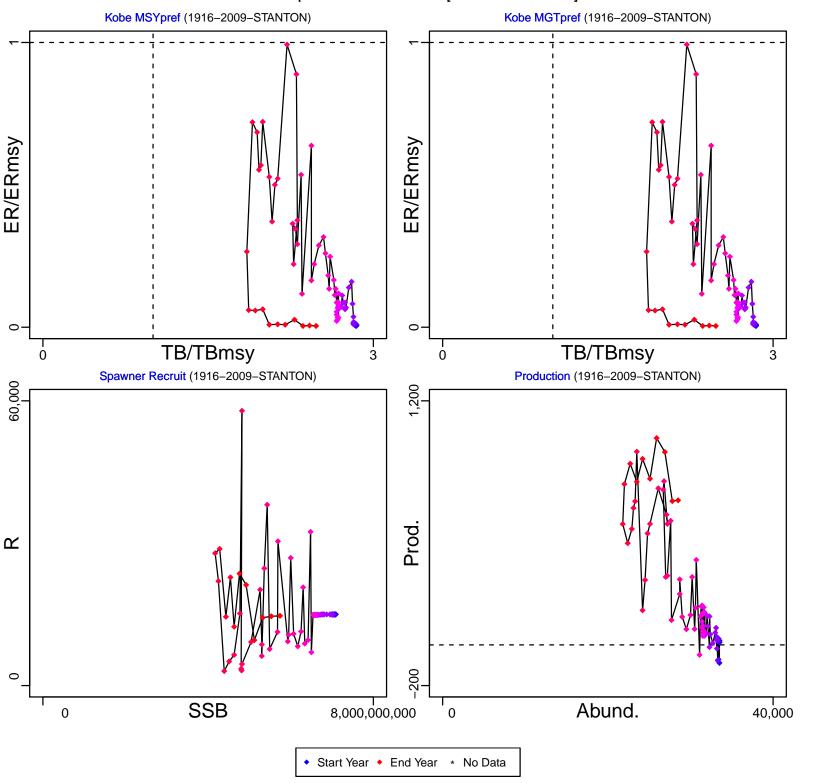
Greenstriped rockfish Pacific Coast [GRNSTROCKPCOAST]

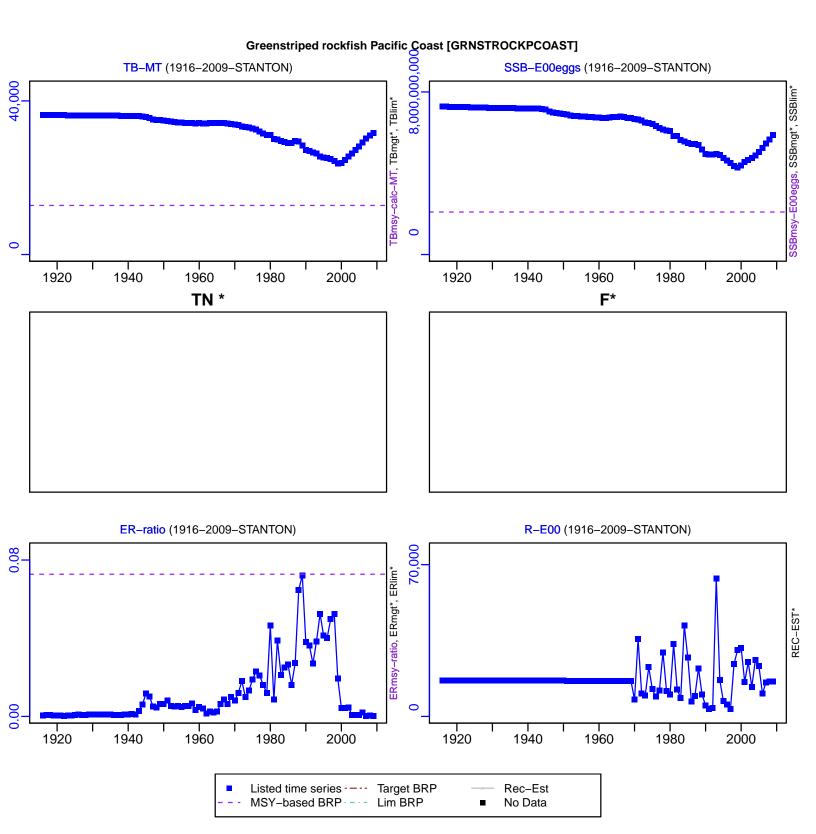
Metadata			
Scientific Name	Sebastes elongatus		
Current Assess ID	PFMC-GRNSTROCKPCOAST-1916-2009-STANTON		
Area Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor	Pacific Fishery Management Council		
Asmts in RAM	2009		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-calc-MT	2009	11,774		
SSBmsy	SSBmsy-E00eggs	2009	2.039×10^{9}		
Fmsy	-	-	-		
ERmsy	ERmsy-ratio	2009	0.07		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	MSY-MT	2009	803		
М	M-1/yr	2009	0.08		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

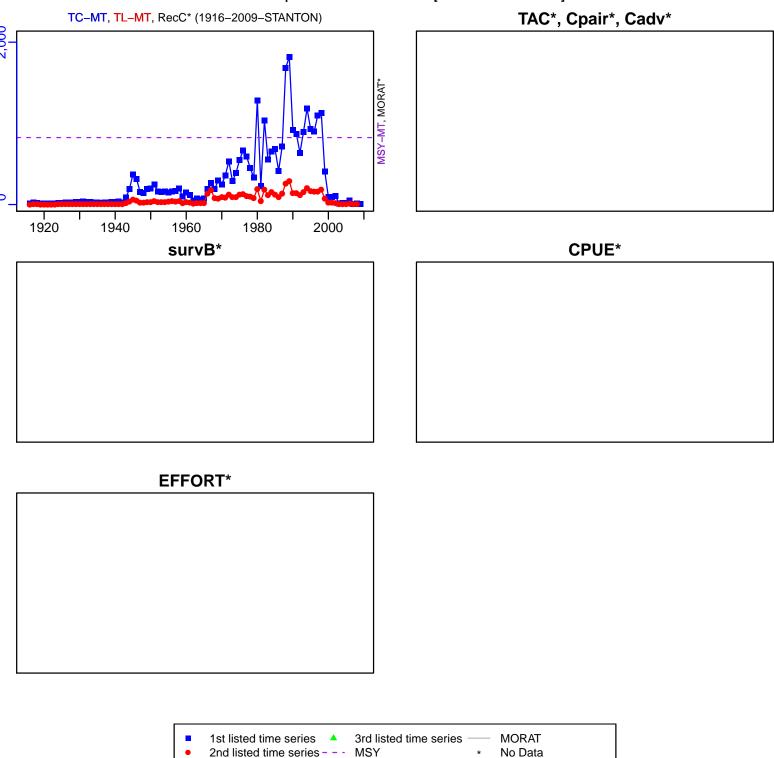
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2009	29,200	-	2+
SSB	SSB-E00eggs	2009	5.74×10^{9}	Females	-
TN	-	-	-	-	-
R	R-E00	2009	14,700	-	0
F	-	-	-	-	-
ER	ER-ratio	2009	0	-	-
TC	TC-MT	2009	9.2		
TL	TL-MT	2009	3.39		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2009	2.48		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2009	2.82		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2009	0		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Greenstriped rockfish Pacific Coast [GRNSTROCKPCOAST]





Greenstriped rockfish Pacific Coast [GRNSTROCKPCOAST]



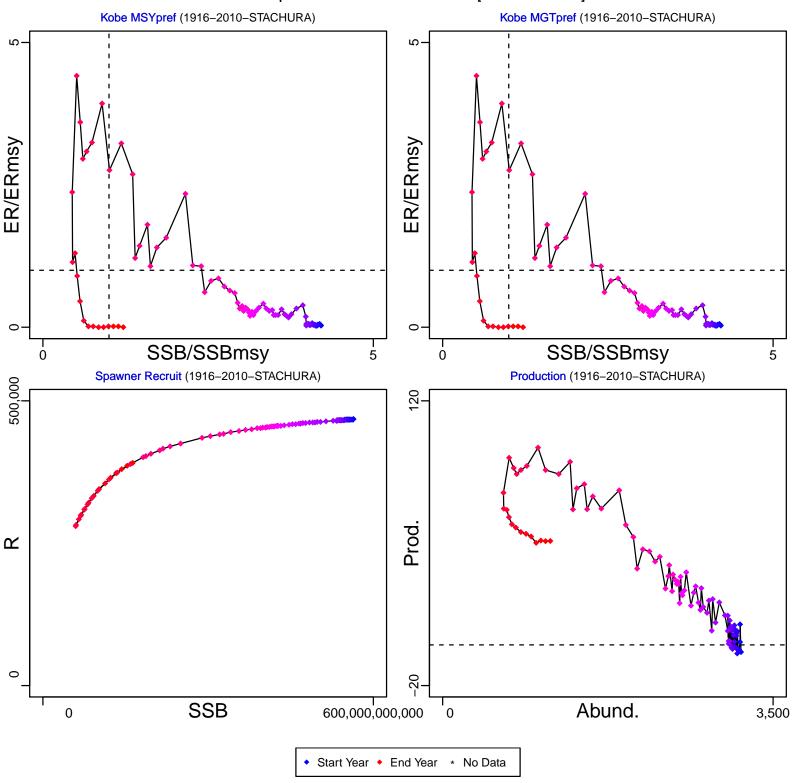
Greenspotted rockfish Pacific Coast North [GRSPROCKNCAL]

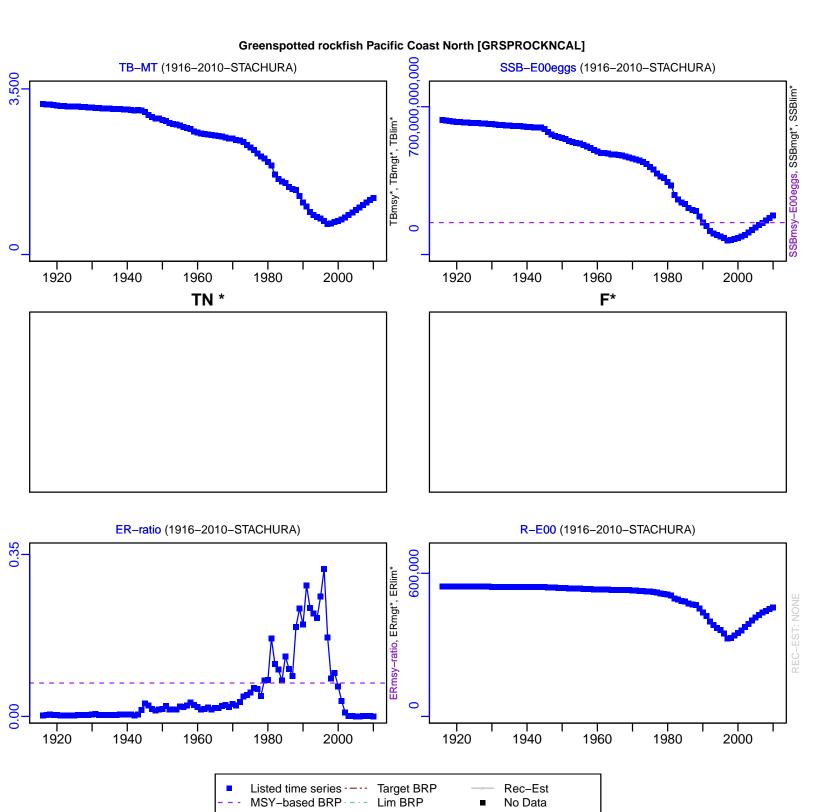
Metadata			
Scientific Name	Sebastes chlorostictus		
Current Assess ID	SWFSC-GRSPROCKNCAL-1916-2010-STACHURA		
Area Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor	Southwest Fisheries Science Center		
Asmts in RAM	2010		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-E00eggs	2010	1.34×10^{11}		
Fmsy	-	-	-		
ERmsy	ERmsy-ratio	2010	0.07		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	TB0-MT	2010	3160		
SSB0	SSB0-E00eggs	2010	5.64×10^{9}		
MSY	MSY-MT	2010	59		
M	M-1/yr	2010	0.07		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

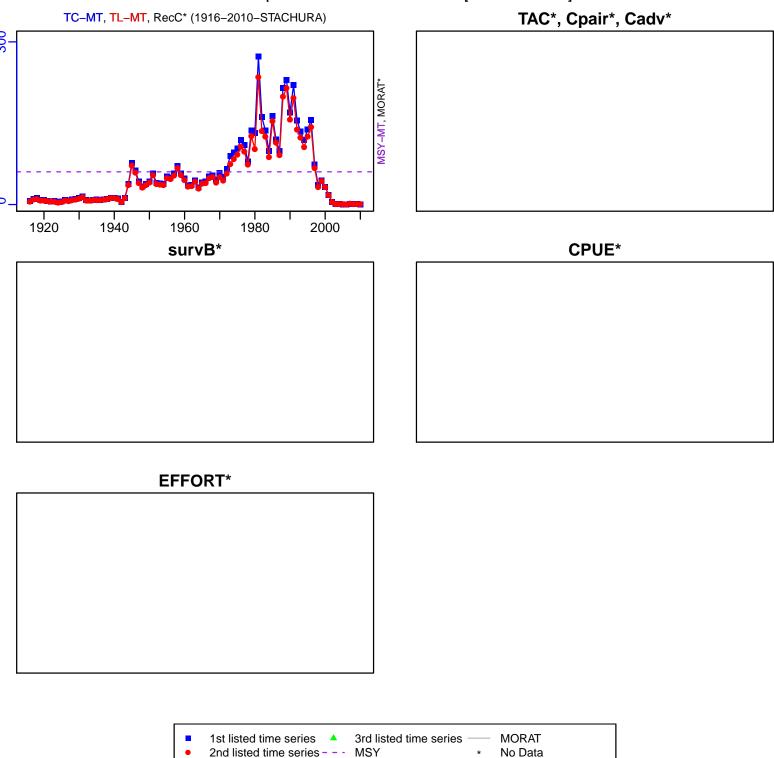
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2010	1190	-	0+
SSB	SSB-E00eggs	2010	1.63×10^{11}	Females	-
TN	-	-	-	-	-
R	R-E00	2010	391,000	-	0
F	-	-	-	-	-
ER	ER-ratio	2010	0	-	-
TC	TC-MT	2010	0.4		
TL	TL-MT	2010	0.37		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2010	1.22		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2010	0		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Greenspotted rockfish Pacific Coast North [GRSPROCKNCAL]





Greenspotted rockfish Pacific Coast North [GRSPROCKNCAL]



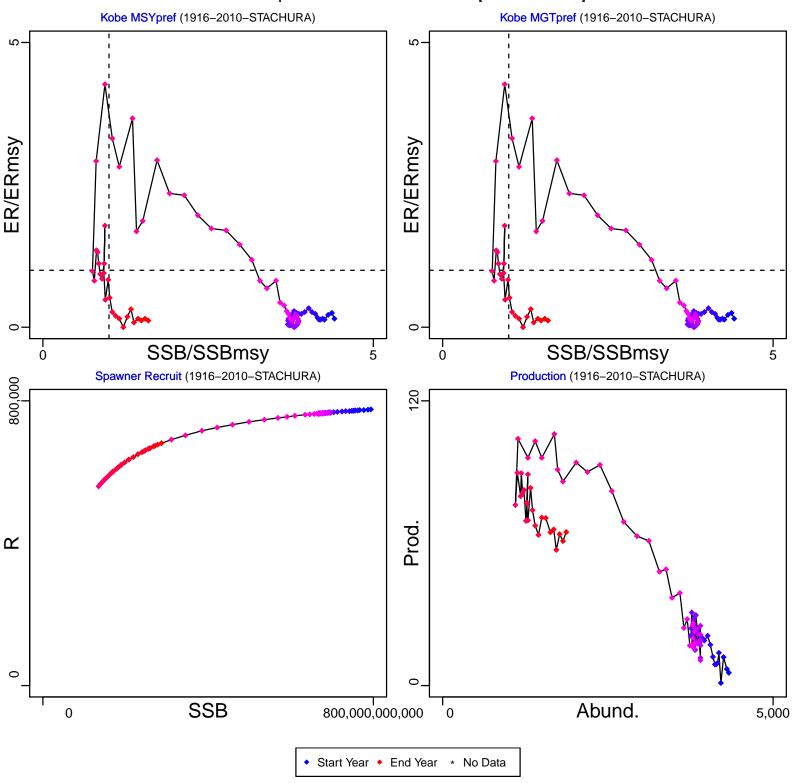
Greenspotted rockfish Pacific Coast South [GRSPROCKSCAL]

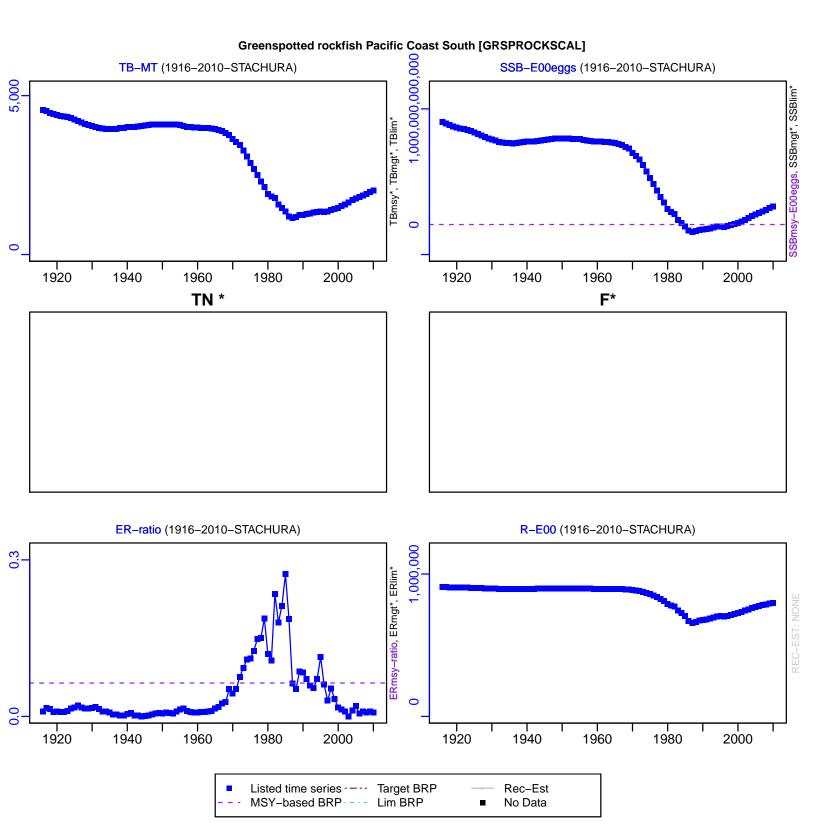
Metadata			
Scientific Name	Sebastes chlorostictus		
Current Assess ID	SWFSC-GRSPROCKSCAL-1916-2010-STACHURA		
Area Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor	Southwest Fisheries Science Center		
Asmts in RAM	2010		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-E00eggs	2010	1.8×10^{11}		
Fmsy	-	-	-		
ERmsy	ERmsy-ratio	2010	0.06		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	TB0-MT	2010	4331		
SSB0	SSB0-E00eggs	2010	$7.94 imes 10^{9}$		
MSY	MSY-MT	2010	56		
М	M-1/yr	2010	0.07		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

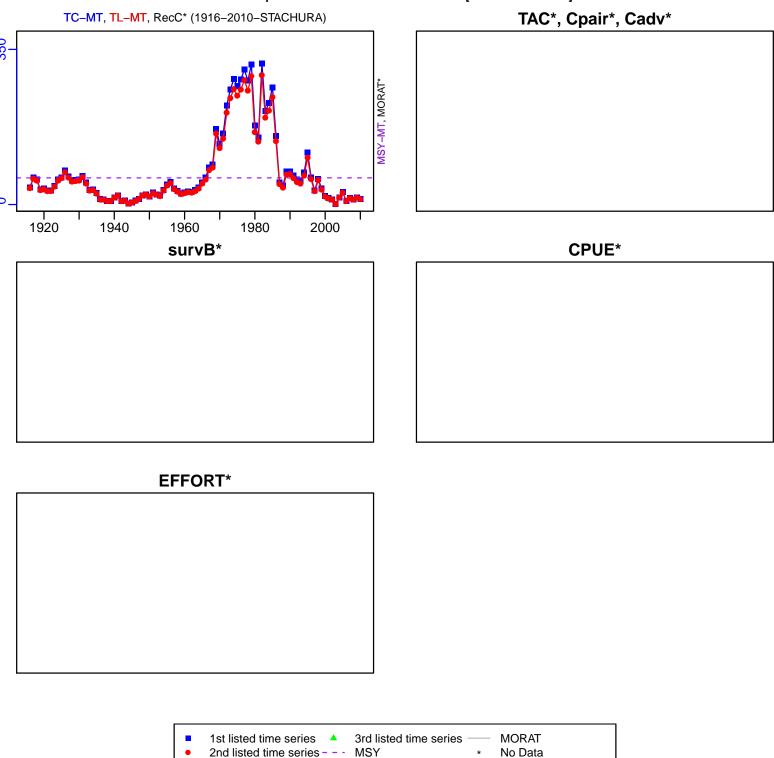
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2010	1920	-	0+
SSB	SSB-E00eggs	2010	2.87×10^{11}	Females	-
TN	-	-	-	-	-
R	R-E00	2010	681,000	-	0
F	-	-	-	-	-
ER	ER-ratio	2010	0	-	-
TC	TC-MT	2010	11.3		
TL	TL-MT	2010	11.1		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2010	1.59		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2010	0.12		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Greenspotted rockfish Pacific Coast South [GRSPROCKSCAL]





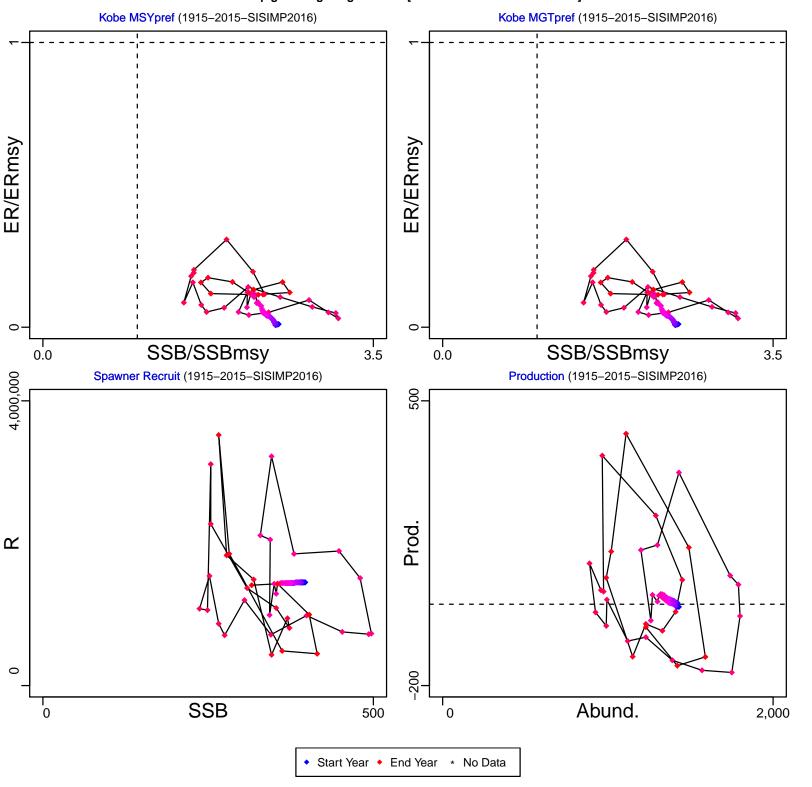
Greenspotted rockfish Pacific Coast South [GRSPROCKSCAL]

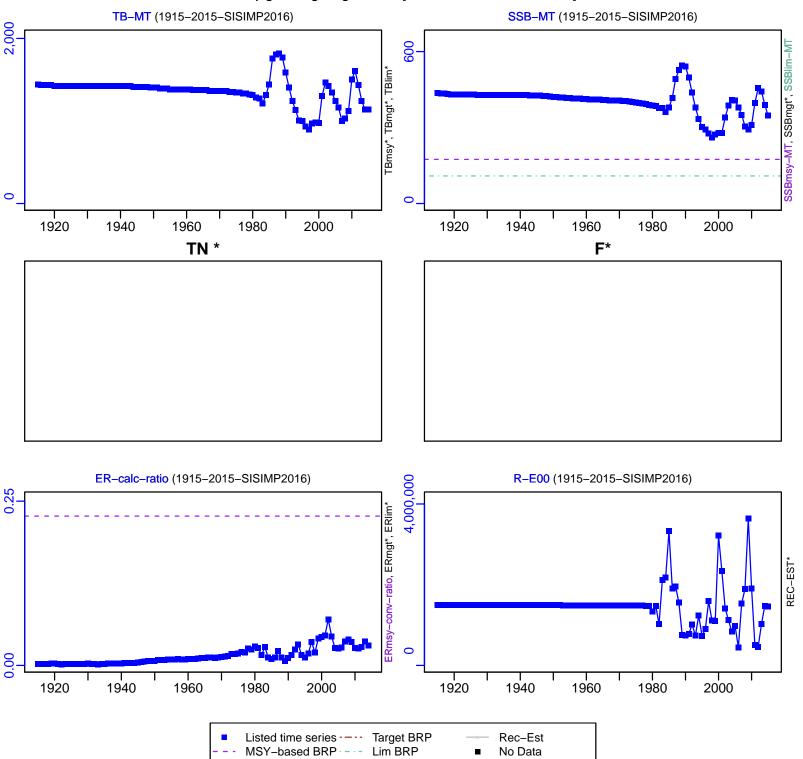


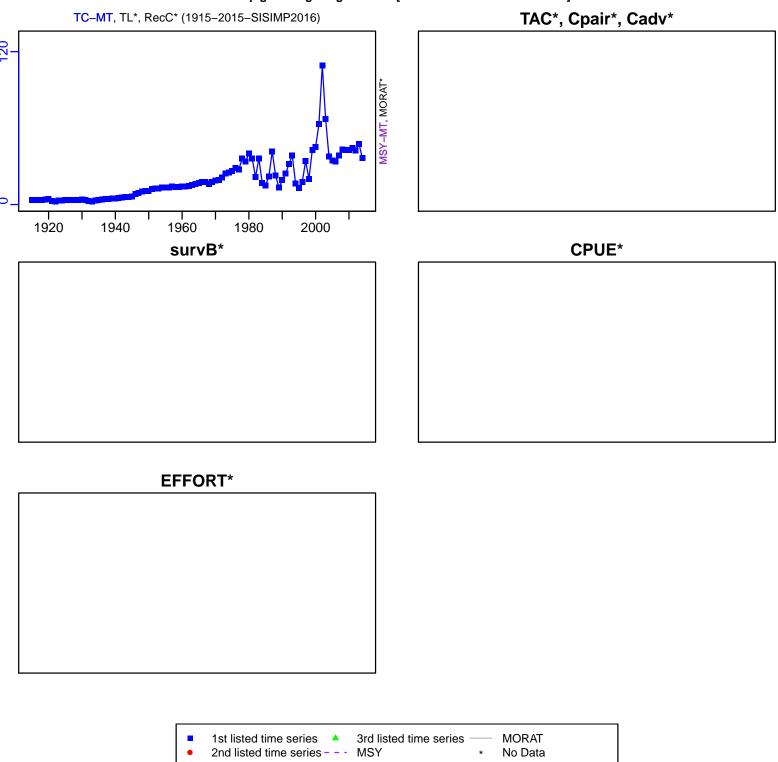
Metadata			
Scientific Name	Hexagrammos decagrammus		
Current Assess ID	NWFSC-KELPGREENLINGORECOAST-1915-2015-SISIMP2016		
Area Oregon Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor	Northwest Fisheries Science Center		
Asmts in RAM	2015, 2005		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2015	159	
Fmsy	-	-	-	
ERmsy	ERmsy-pr-ratio	2005	0.12	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	TB0-MT	2005	1295	
SSB0	SSB0-MT	2005	321	
MSY	MSY-MT	2015	130	
M	M-1/yr	2005	0.26	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2015	99	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	1130	-	0+
SSB	SSB-MT	2015	316	Females	-
TN	-	-	-	-	-
R	R-E00	2015	1,410,000	-	0
F	-	-	-	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	33.4		
TL	TL-MT	2005	51.8		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.99		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-pr-ratio	2005	0.59		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



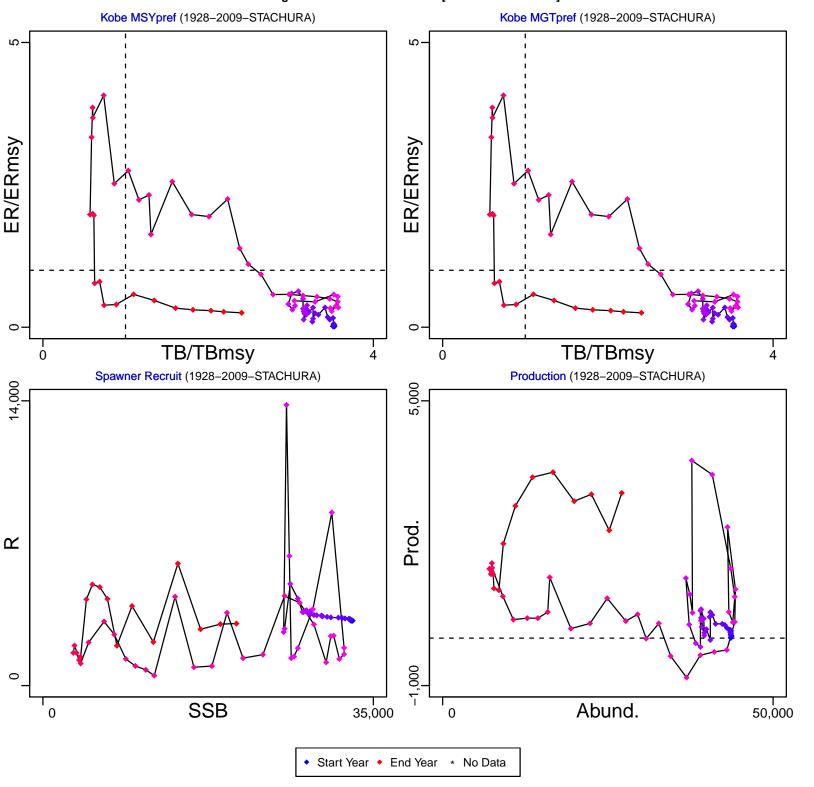


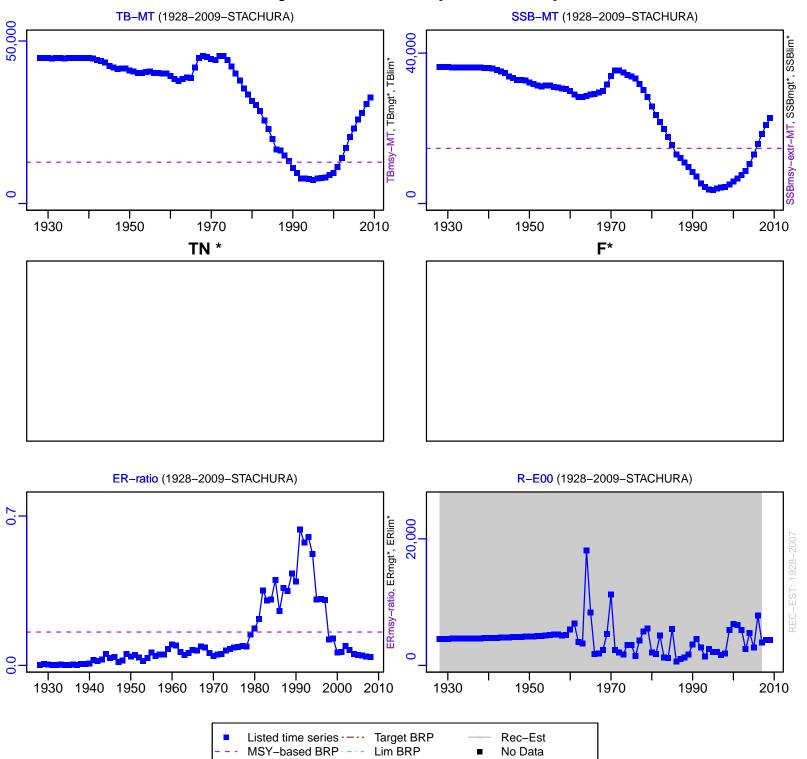


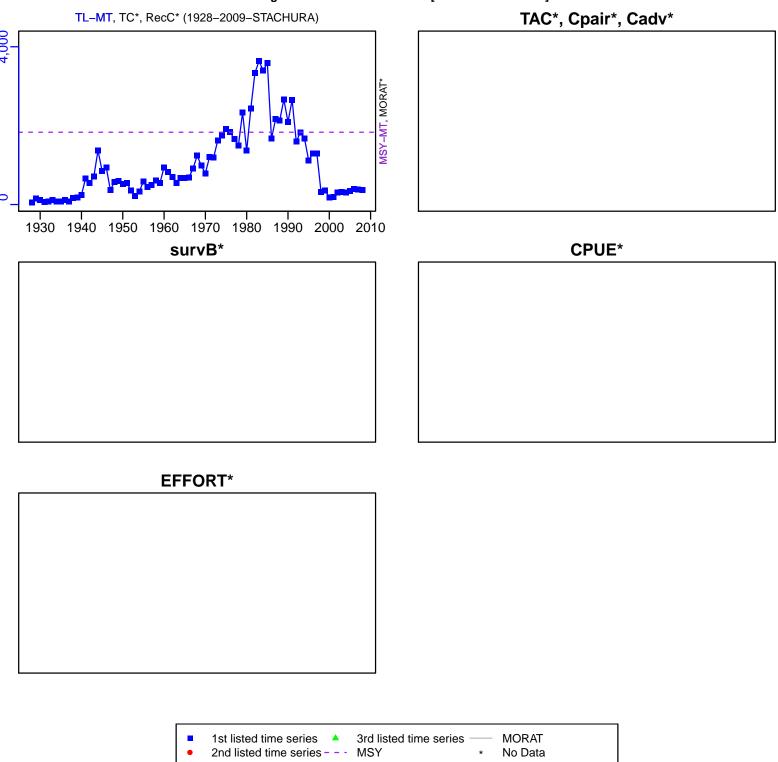
Metadata			
Scientific Name	Ophiodon elongatus		
Current Assess ID	NWFSC-LINGCODNPCOAST-1928-2009-STACHURA		
Area Northern Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor Northwest Fisheries Science Center			
Asmts in RAM	2009		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-MT	2009	12,386		
SSBmsy	SSBmsy-extr-MT	2009	13,233		
Fmsy	-	-	-		
ERmsy	ERmsy-ratio	2009	0.14		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	TB0-MT	2009	44,536		
SSB0	SSB0-MT	2009	33,075		
MSY	MSY-MT	2009	1734		
М	M-1/yr	2009	0.18		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2009	31,800	-	2+
SSB	SSB-MT	2009	20,500	Females	4.6
TN	-	-	-	-	-
R	R-E00	2009	3050	-	0
F	-	-	-	-	-
ER	ER-ratio	2009	0	-	-
TC	-	-	-		
TL	TL-MT	2009	350		
TB/TBmsy	TB-MT/TBmsy-MT	2009	2.57		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2009	1.55		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2009	0.25		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



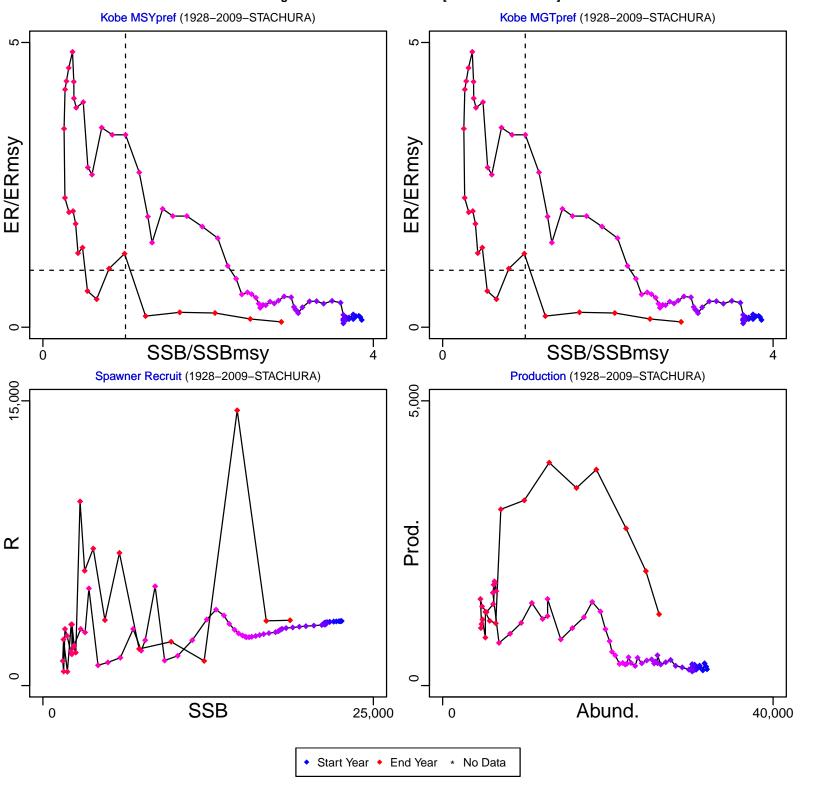


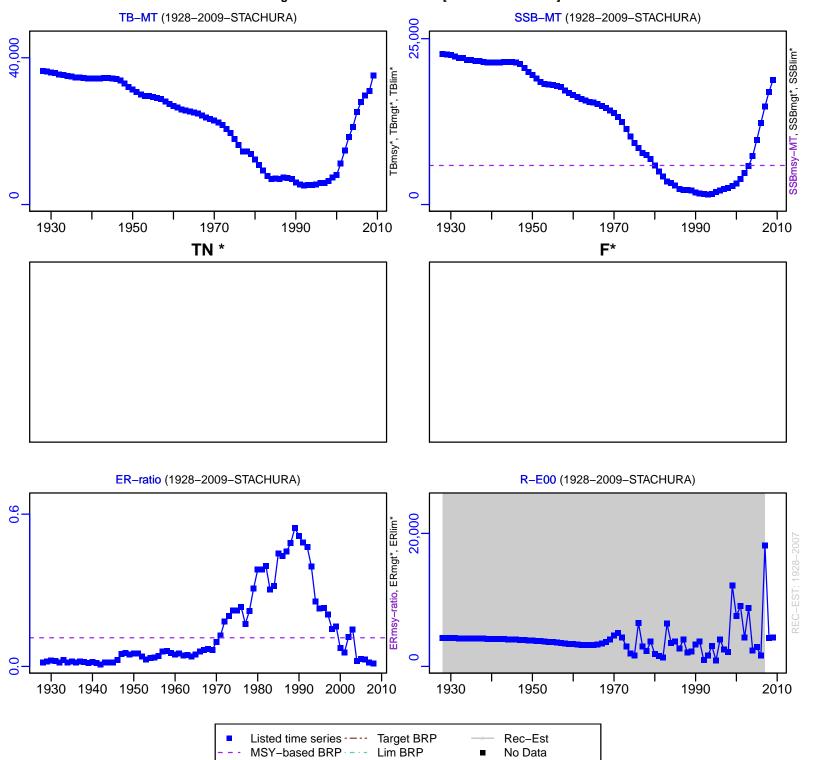


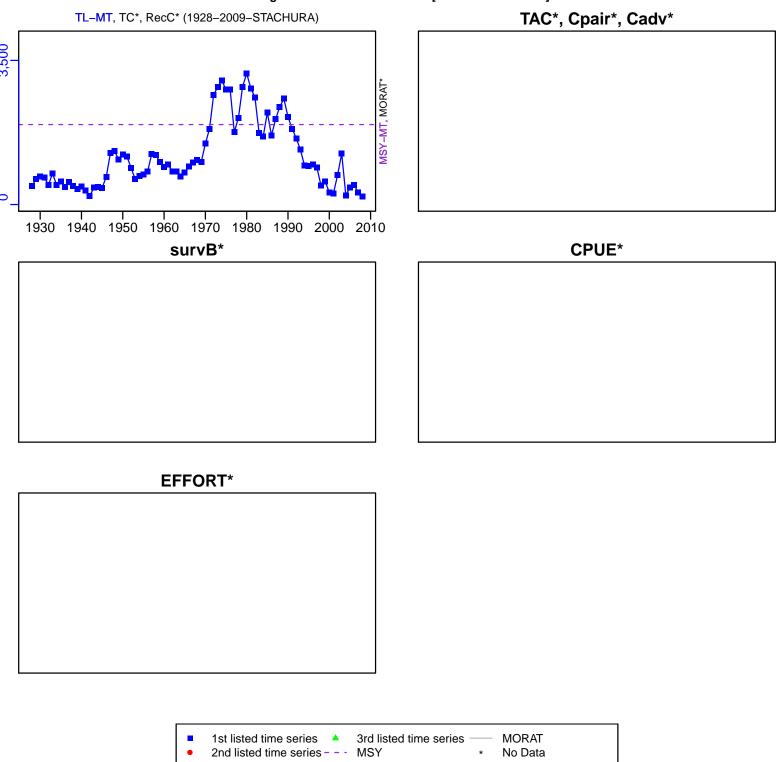
Metadata			
Scientific Name	Ophiodon elongatus		
Current Assess ID NWFSC-LINGCODSPCOAST-1928-2009-STACHURA			
Area Southern Pacific Coast			
Management Authority National Marine Fisheries Service, US national manageme			
Assessor Northwest Fisheries Science Center			
Asmts in RAM	2009		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2009	5856	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2009	0.1	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2009	25,311	
MSY	MSY-MT	2009	1678	
М	M-1/yr	2009	0.18	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2009	30,900	-	2+
SSB	SSB-MT	2009	18,700	Females	5
TN	-	-	-	-	-
R	R-E00	2009	3440	-	0
F	-	-	-	-	-
ER	ER-ratio	2009	0	-	-
TC	-	-	-		
TL	TL-MT	2009	171		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2009	3.19		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2009	0.09		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



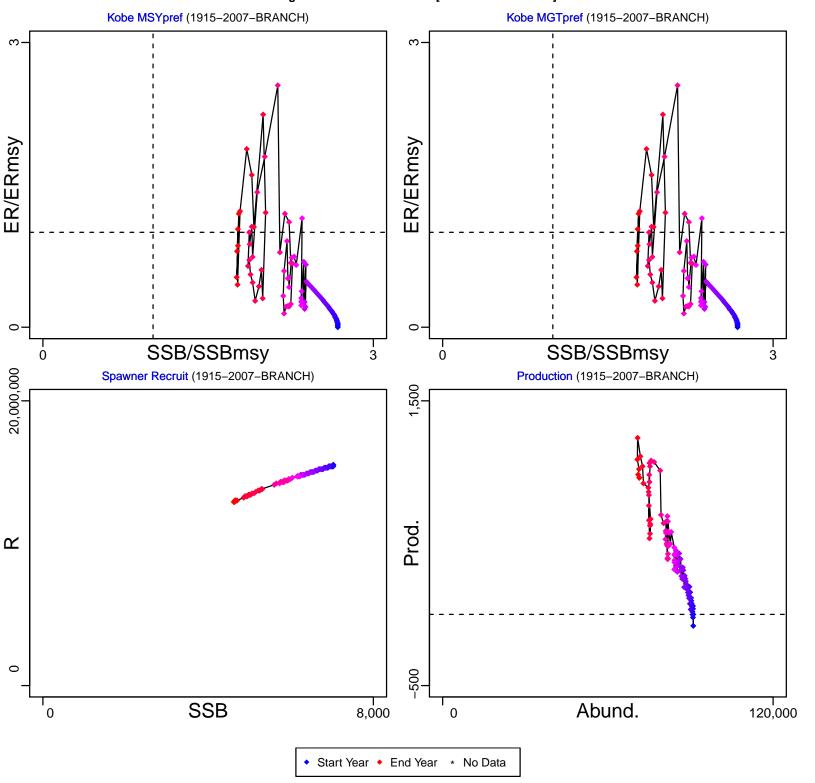


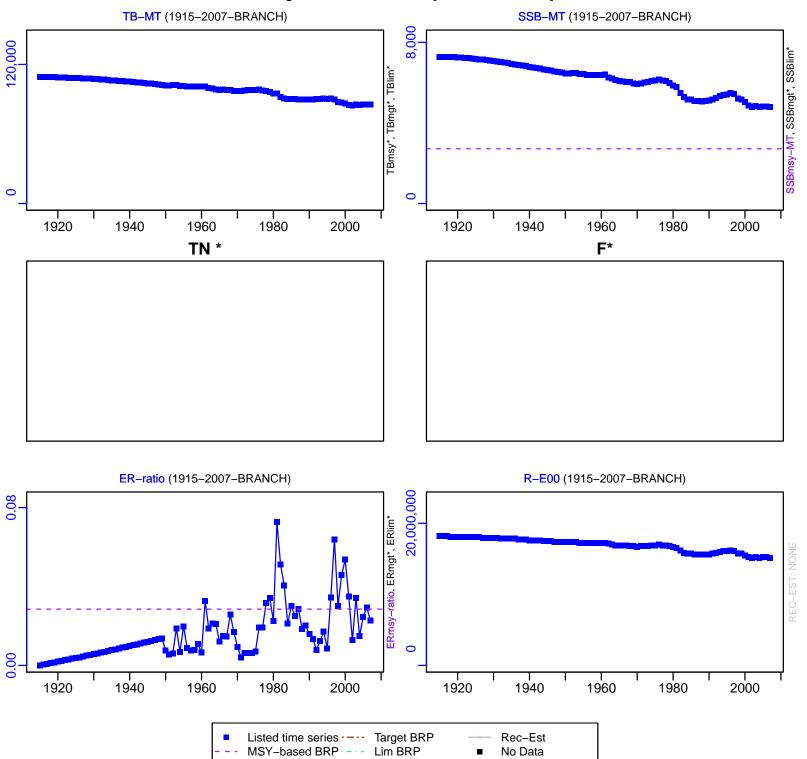


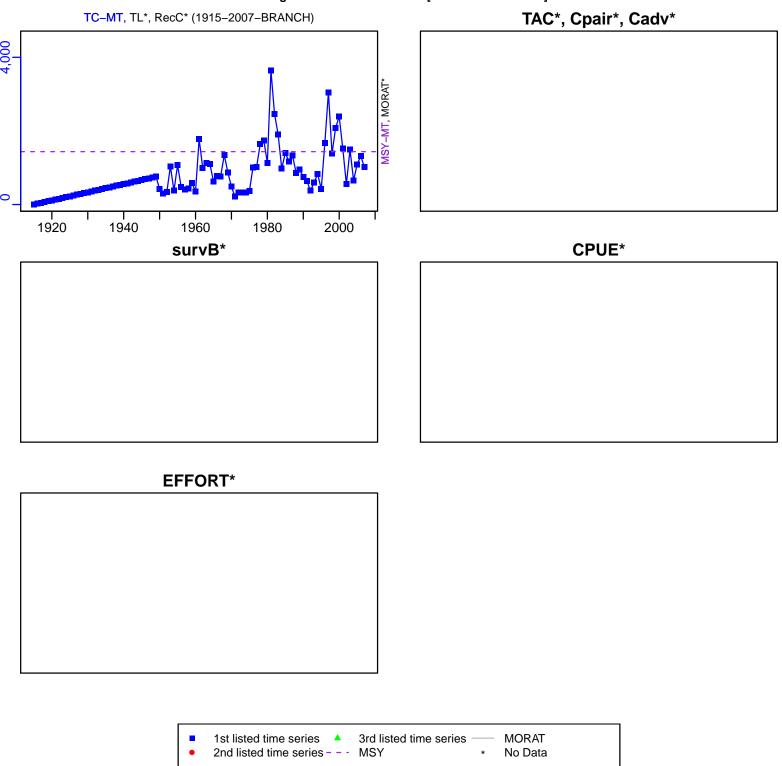
Metadata			
Scientific Name	Raja rhina		
Current Assess ID	NWFSC-LNOSESKAPCOAST-1915-2007-BRANCH		
Area Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor	Northwest Fisheries Science Center		
Asmts in RAM	2007		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-MT	2007	2626		
Fmsy	-	-	-		
ERmsy	ERmsy-ratio	2007	0.03		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	SSB0-MT	2007	7034		
MSY	MSY-MT	2007	1268		
М	M-1/yr	2007	0.2		
TBlim	TBlim-MT	2007	4617		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2007	71,200	-	0+
SSB	SSB-MT	2007	4630	Females	-
TN	-	-	-	-	-
R	R-E00	2007	12,900,000	-	0
F	-	-	-	-	-
ER	ER-ratio	2007	0	-	-
TC	TC-MT	2007	899		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2007	1.76		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	0.8		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



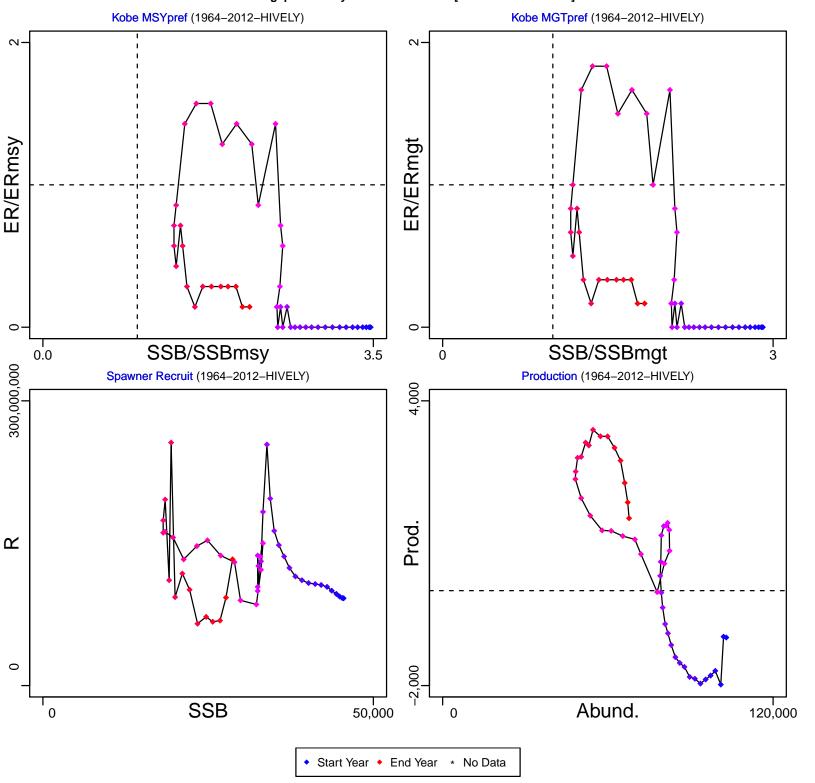


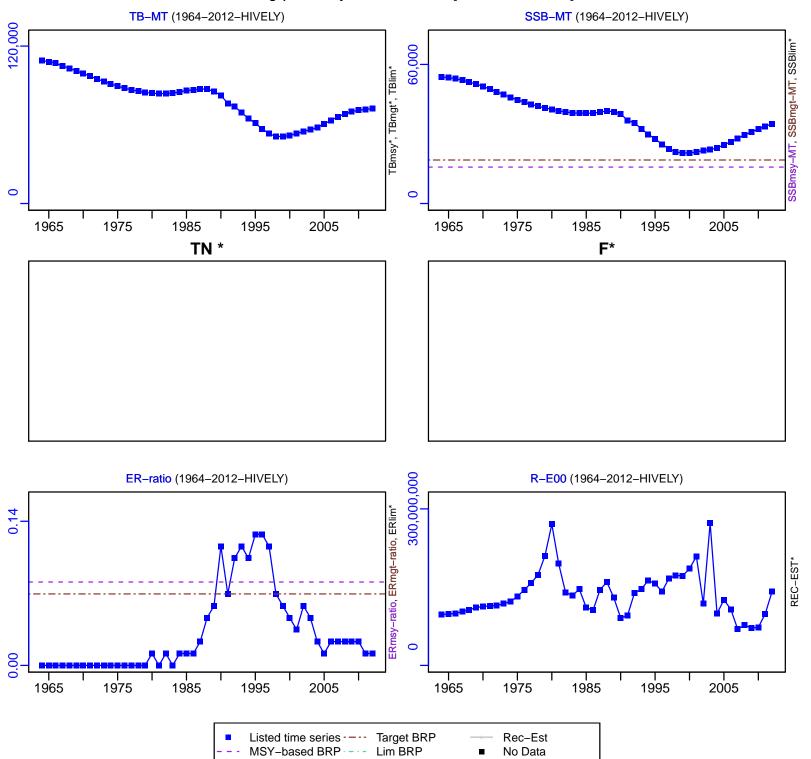


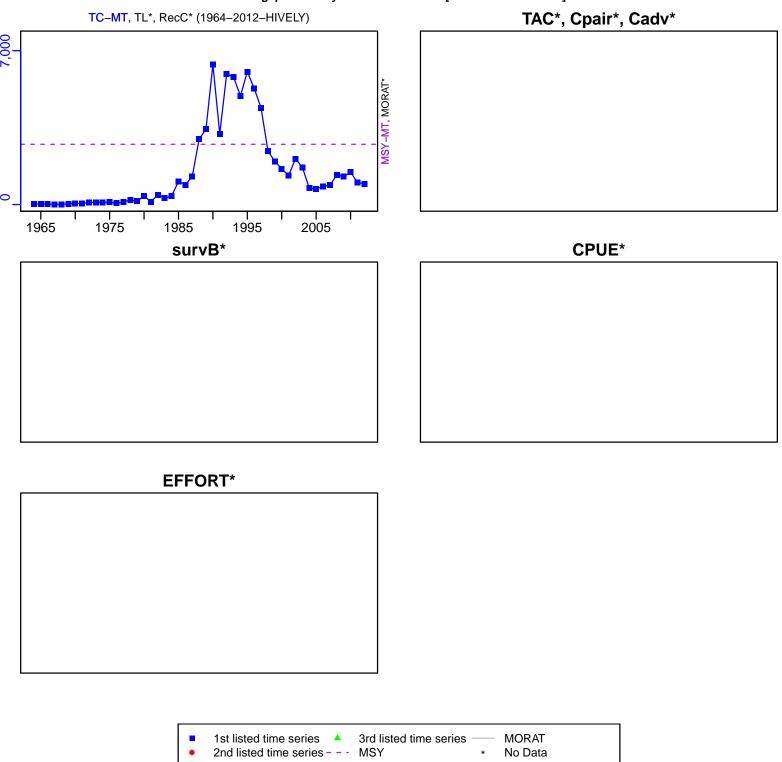
Metadata			
Scientific Name	Sebastolobus altivelis		
Current Assess ID NWFSC-LSTHORNHPCOAST-1964-2012-HIVELY			
Area Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor Northwest Fisheries Science Center			
Asmts in RAM	2012		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2012	13,108	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2012	0.07	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2012	15,654	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2012	0.06	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2012	2529	
М	M-1/yr	2012	0.11	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2012	68,300	-	2+
SSB	SSB-MT	2012	28,700	Females	12 to 15
TN	-	-	-	-	-
R	R-E00	2012	1.33×10^{8}	-	0
F	-	-	-	-	-
ER	ER-ratio	2012	0	-	-
TC	TC-MT	2012	871		•
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2012	2.19		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2012	0.14		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2012	1.83		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





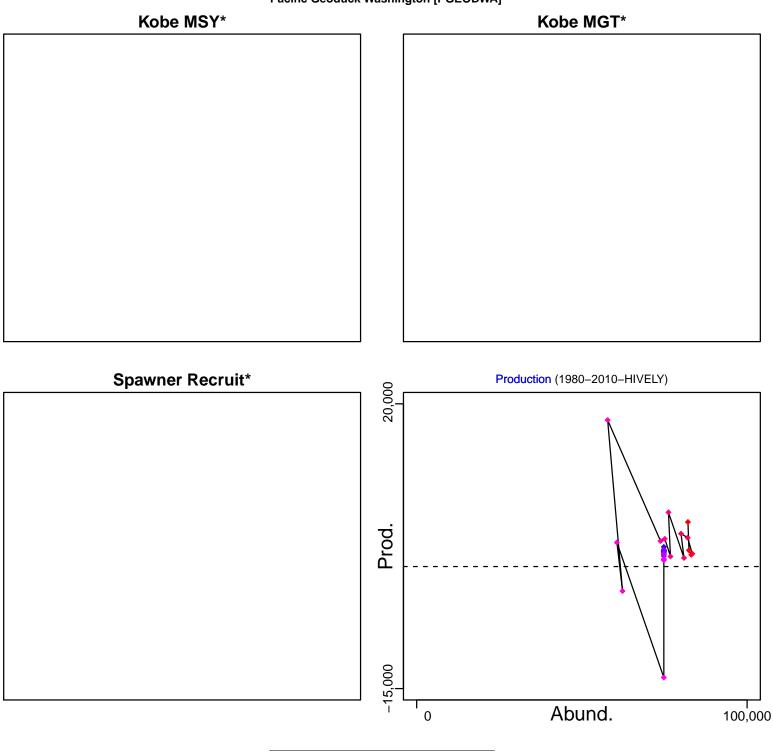


Pacific Geoduck Washington [PGEODWA]

Metadata				
Scientific Name	Panopea generosa			
Current Assess ID	WDFW-PGEODWA-1980-2010-HIVELY			
Area	Washington			
Management Authority	State of Washington			
Assessor	Washington Department of Fish and Wildlife			
Asmts in RAM	2010			

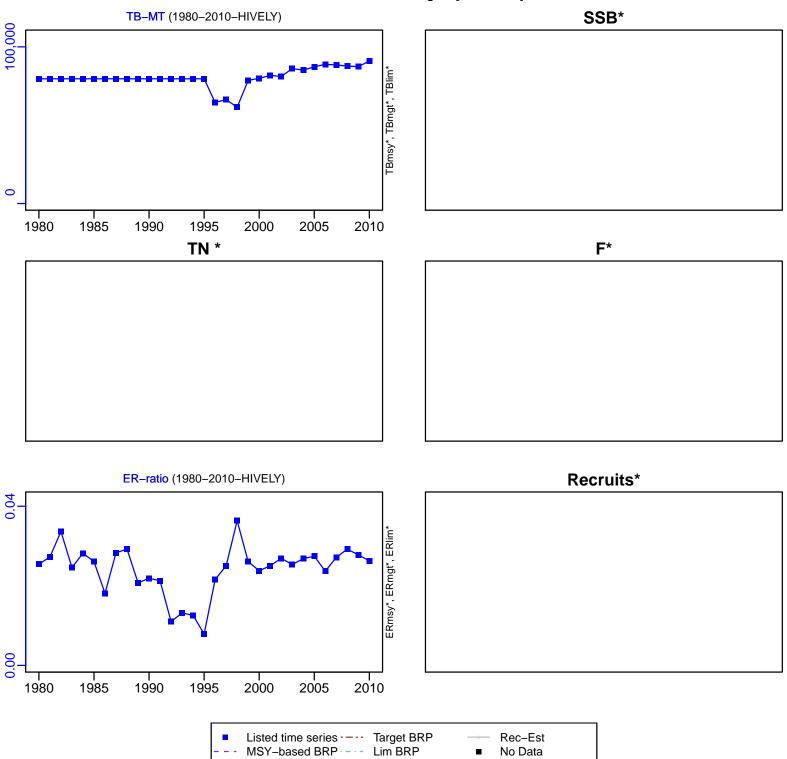
Reference Points							
Туре	ID	Asmt Year	Value				
TBmsy	-	-	-				
SSBmsy	-	-	-				
Fmsy	-	-	-				
ERmsy	-	-	-				
TBmgt		-	-				
SSBmgt	-	-	-				
Fmgt	-	-	-				
ERmgt	-	-	-				
TB0	-	-	-				
SSB0	-	-	-				
MSY	-	-	-				
М	-	-	-				
TBlim	-	-	-				
SSBlim	-	-	-				
Flim	-	-	-				
ERlim	-	-	-				

Time Series									
Туре	ID	Asmt Year	Curr Value	Sex	Age				
ТВ	TB-MT	2010	85,400	-	-				
SSB	-	-	-	-	-				
TN	-	-	-	-	-				
R	-	-	-	-	-				
F	-	-	-	-	-				
ER	ER-ratio	2010	0	-	-				
TC	TC-MT	2010	2150						
TL	-	-	-						
TB/TBmsy	-	-	-						
SSB/SSBmsy	-	-	-						
F/Fmsy	-	-	-						
ER/ERmsy	-	-	-						
TB/TBmgt	-	-	-						
SSB/SSBmgt	-	-	-						
F/Fmgt	-	-	-						
ER/ERmgt	-	-	-						



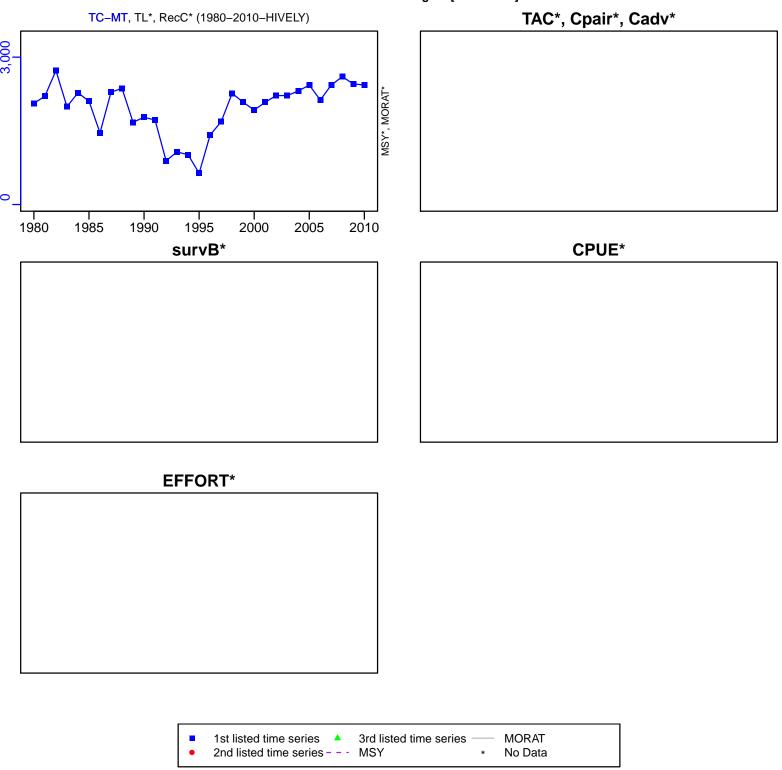
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Pacific Geoduck Washington [PGEODWA]



No Data

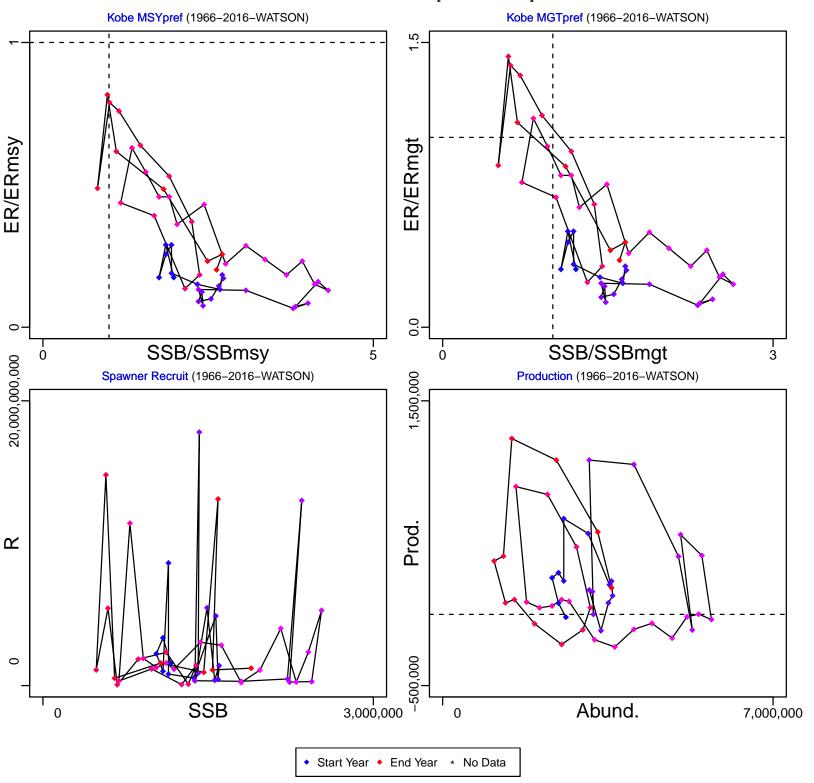
Pacific Geoduck Washington [PGEODWA]

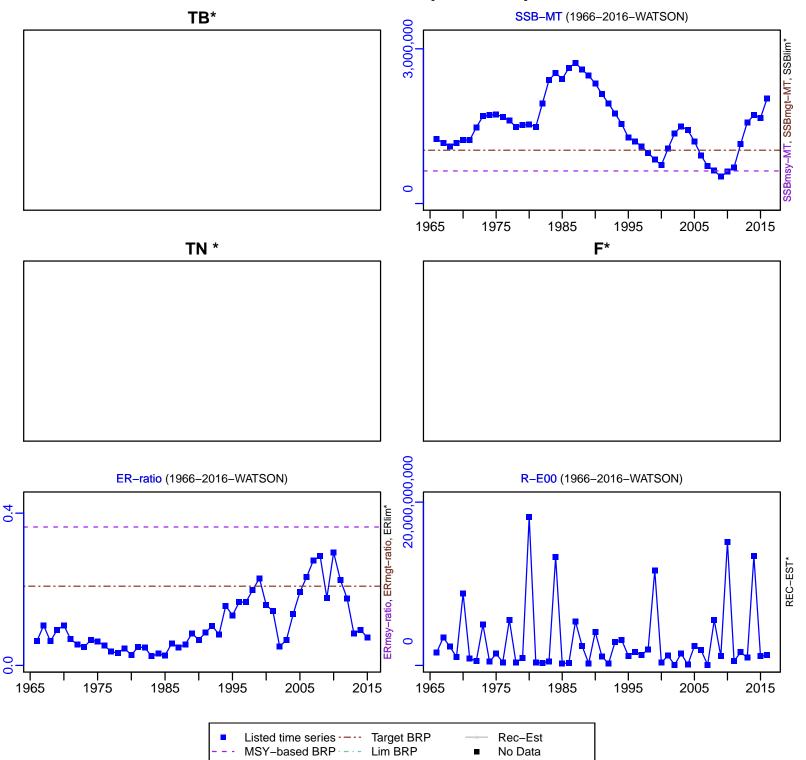


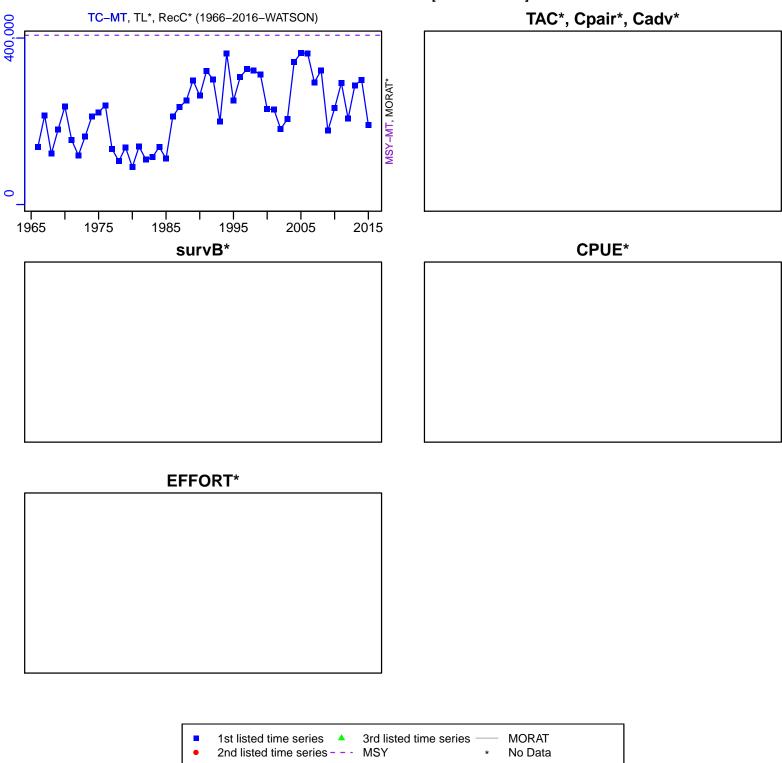
Metadata			
Scientific Name	Merluccius productus		
Current Assess ID PFMC-PHAKEPCOAST-1966-2016-WATSON			
Area Pacific Coast			
Management Authority National Marine Fisheries Service, US national managem			
Assessor Pacific Fishery Management Council			
Asmts in RAM	2015, 2016		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2016	586,000	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2016	0.33	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	959,000	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2016	0.19	
TB0	-	-	-	
SSB0	SSB0-MT	2016	2,397,000	
MSY	MSY-MT	2016	406,000	
М	M-1/yr	2016	0.23	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2016	1,890,000	-	-
TN	-	-	-	-	-
R	R-E00	2016	1.22×10^{9}	-	-
F	-	-	-	-	-
ER	ER-ratio	2016	0	-	-
TC	TC-MT	2016	191,000		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2016	3.23		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2016	0.2		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.97		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		







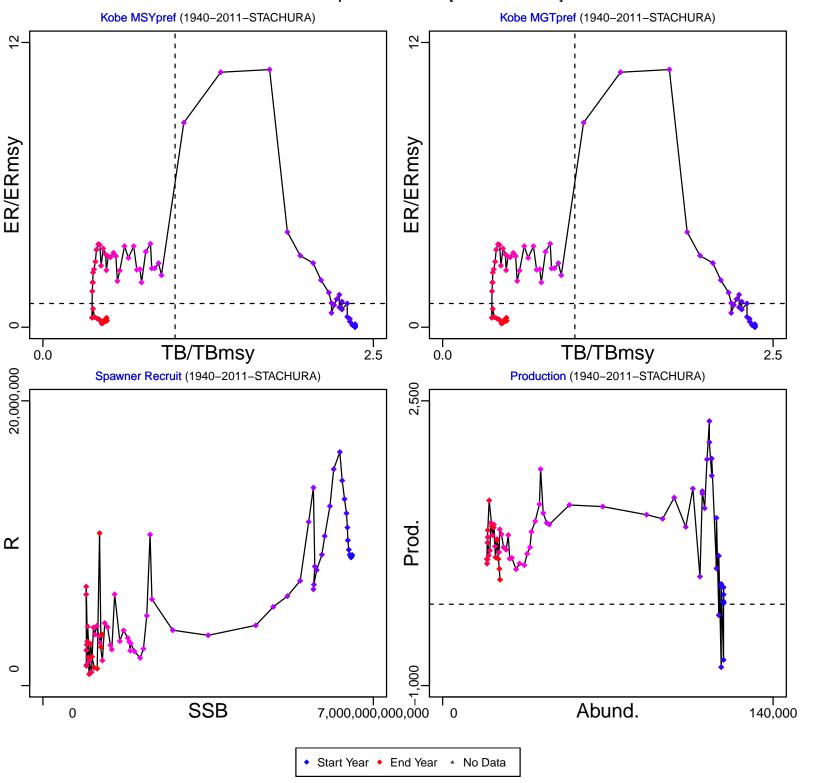
Pacific ocean perch Pacific Coast [POPERCHPCOAST]

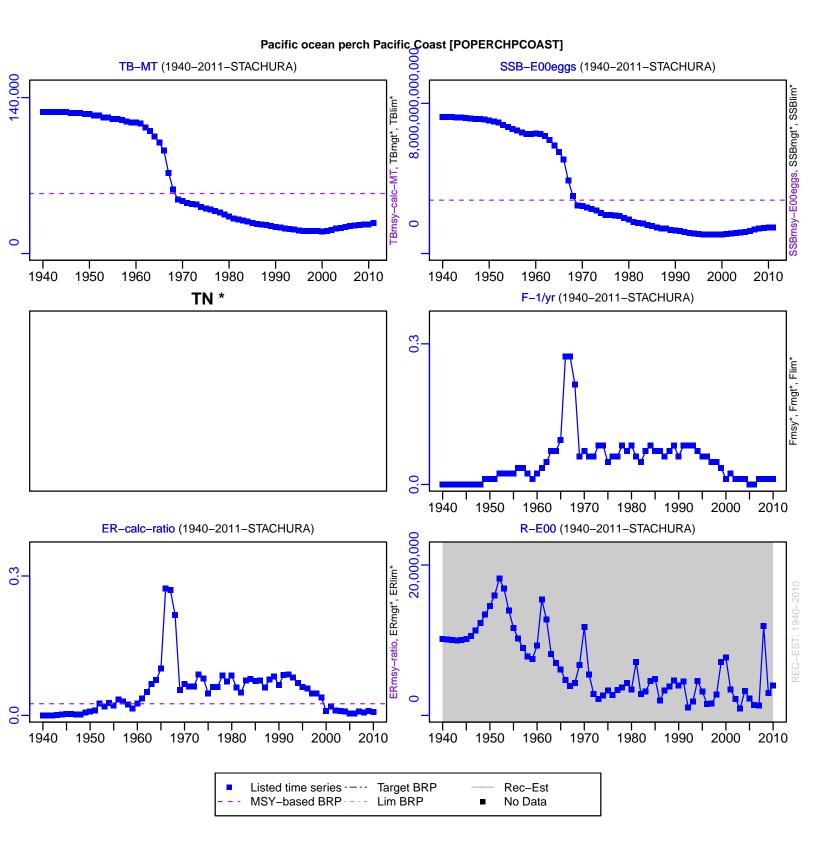
Metadata			
Scientific Name	Sebastes alutus		
Current Assess ID NWFSC-POPERCHPCOAST-1940-2011-STACHURA			
Area Pacific Coast			
Management Authority National Marine Fisheries Service, US national management			
Assessor Northwest Fisheries Science Center			
Asmts in RAM	2011		

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2011	50,381
SSBmsy	SSBmsy-E00eggs	2011	2.56×10^{12}
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2011	0.02
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-E00eggs	2011	6.56×10^{12}
MSY	MSY-MT	2011	1058
M	M-1/yr	2011	0.05
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

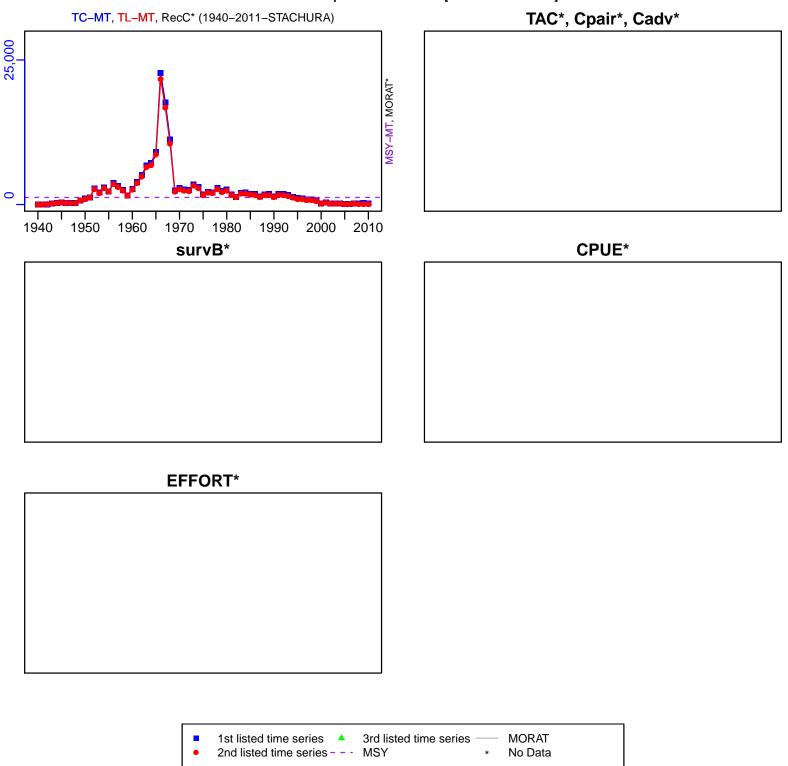
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2011	25,500	-	3+
SSB	SSB-E00eggs	2011	1.25×10^{12}	-	6+
TN	-	-	-	-	-
R	R-E00	2011	3,590,000	-	0
F	F-1/yr	2011	0	Both	3+
ER	ER-calc-ratio	2011	0	-	-
TC	TC-MT	2011	141		
TL	TL-MT	2011	91		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2011	0.51		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2011	0.49		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-ratio	2011	0.28		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Pacific ocean perch Pacific Coast [POPERCHPCOAST]





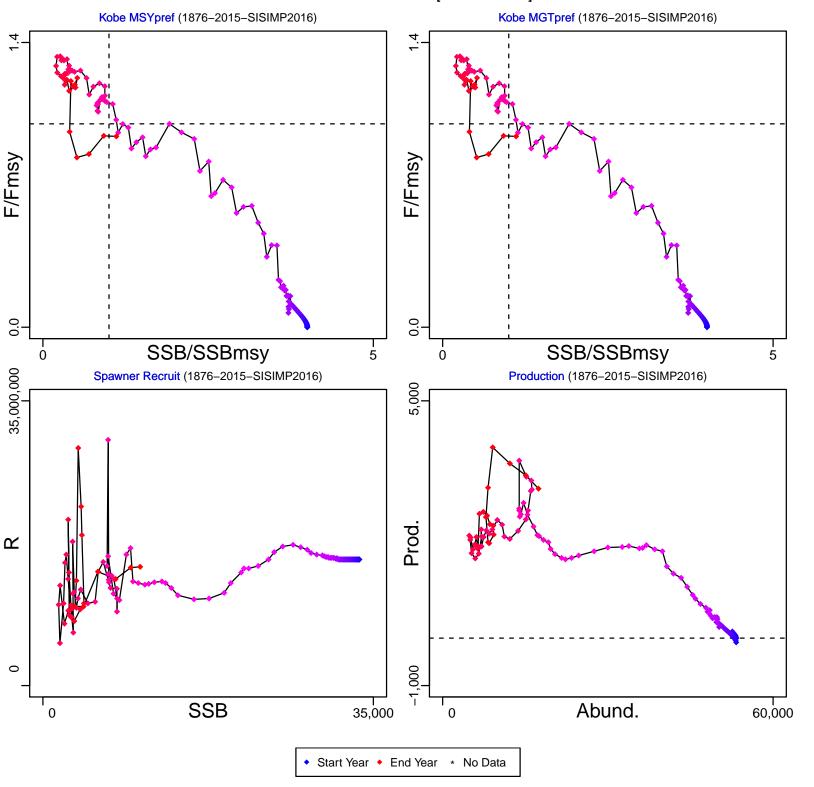
Pacific ocean perch Pacific Coast [POPERCHPCOAST]

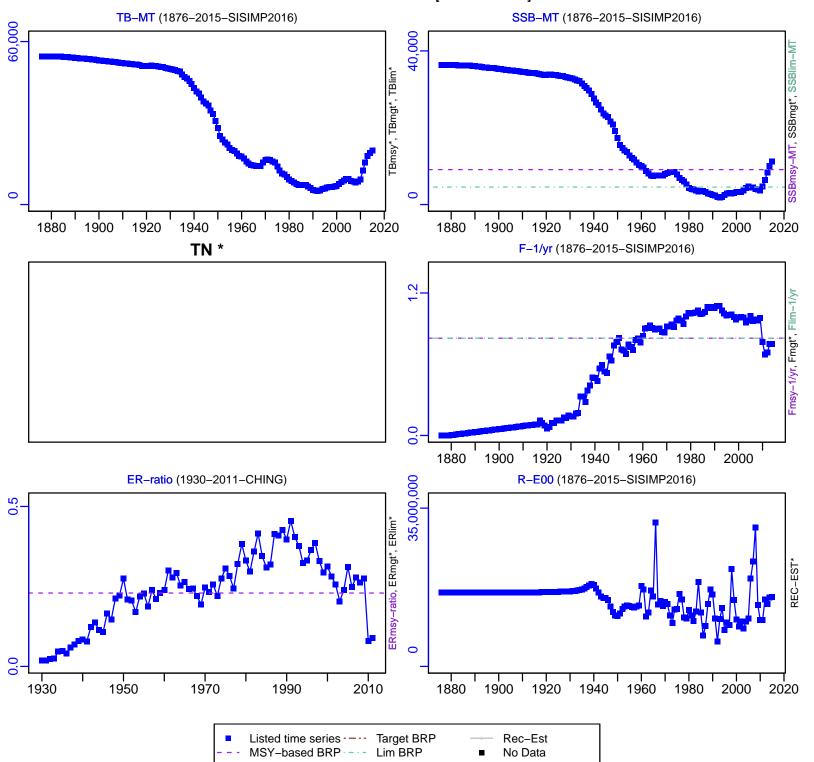


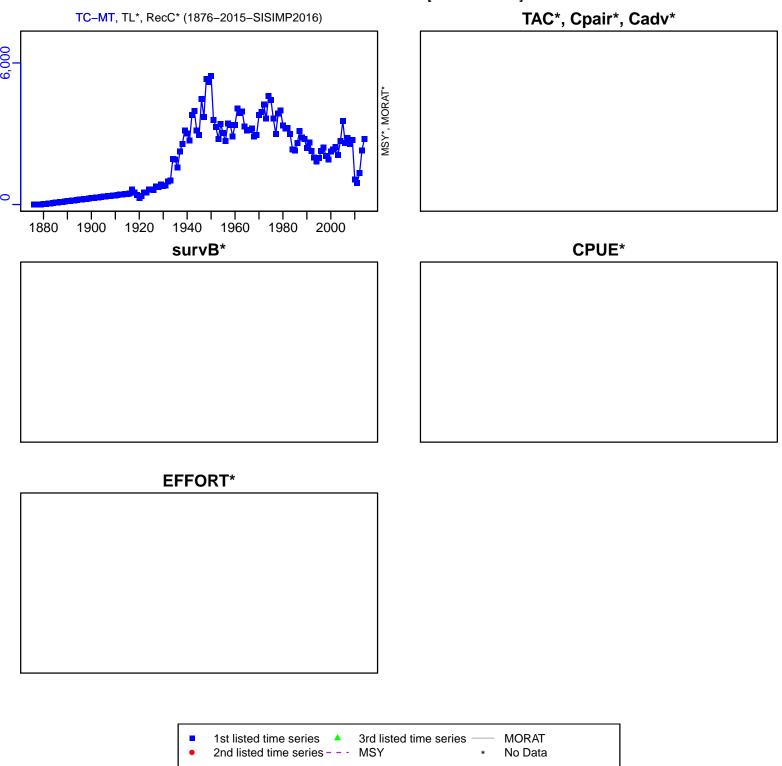
Metadata			
Scientific Name	Eopsetta jordani		
Current Assess ID	NWFSC-PSOLEPCOAST-1876-2015-SISIMP2016		
Area Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor Northwest Fisheries Science Center			
Asmts in RAM	2015, 2011		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2015	8369	
Fmsy	Fmsy-1/yr	2015	0.7	
ERmsy	ERmsy-ratio	2011	0.22	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	TB0-MT	2011	41,352	
SSB0	SSB0-MT	2011	26,278	
MSY	MSY-MT	2011	2588	
М	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2015	4185	
Flim	Flim-1/yr	2015	0.7	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	19,400	-	3+
SSB	SSB-MT	2015	10,300	Females	-
TN	-	-	-	-	-
R	R-E00	2015	14,600,000	-	0
F	F-1/yr	2015	1	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	2360		,,
TL	TL-MT	2011	701		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.23		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.94		
ER/ERmsy	ER-ratio/ERmsy-ratio	2011	0.39		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		







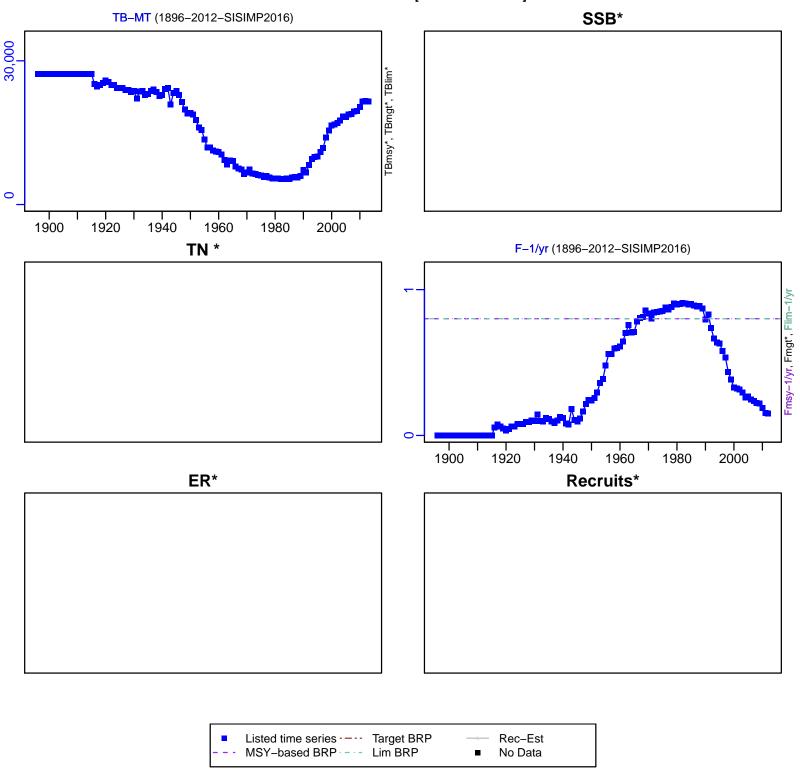
Metadata			
Scientific Name	Glyptocephalus zachirus		
Current Assess ID NWFSC-REXSOLEPCOAST-1896-2012-SISIMP2016			
Area Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor Northwest Fisheries Science Center			
Asmts in RAM	2012		

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2012	0.7		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	MSY-MT	2012	1646		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	Flim-1/yr	2012	0.7		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2012	18,500	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2012	0	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2012	0.19		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MGT*
Production*

◆ Start Year ◆ End Year * No Data

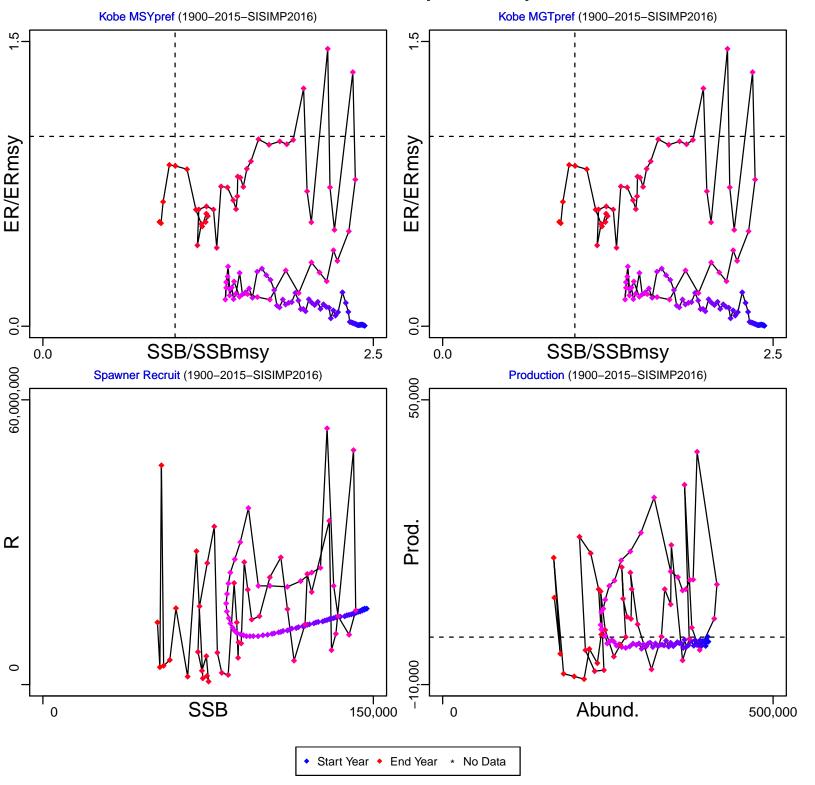


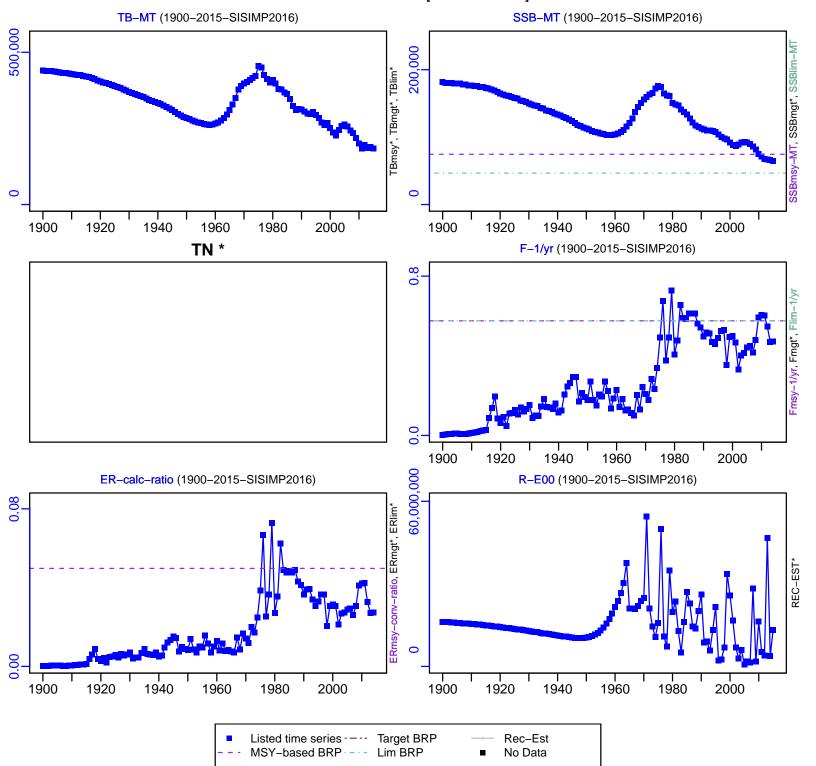
TC*, TL*, RecC*	TAC*, Cpair*, Cadv*
survB*	CPUE*
EFFORT*	
LITORI	
 1st listed time series 2nd listed time series MS 	listed time series — MORAT Y * No Data
Ziiu listeu tiille selies = - Wis	" INU Dala

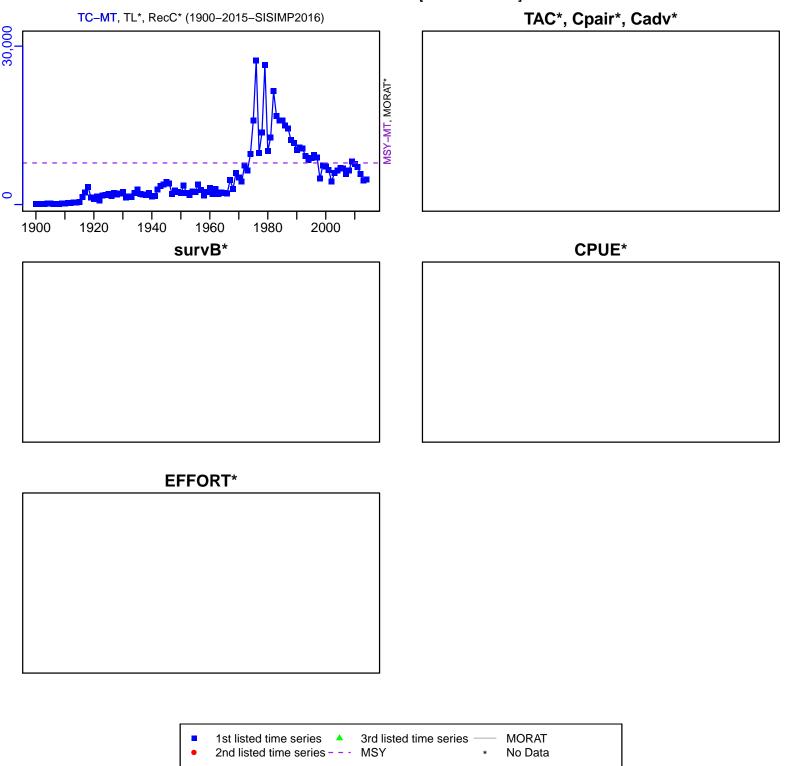
Metadata		
Scientific Name	Anoplopoma fimbria	
Current Assess ID	NWFSC-SABLEFPCOAST-1900-2015-SISIMP2016	
Area	Pacific Coast	
Management Authority	National Marine Fisheries Service, US national management	
Assessor	Northwest Fisheries Science Center	
Asmts in RAM	2011, 2015	

Reference Points				
Type ID		Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2015	60,249	
Fmsy	Fmsy-1/yr	2015	0.55	
ERmsy	ERmsy-conv-ratio	2015	0.05	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	TB0-MT	2011	537,893	
SSB0	SSB0-MT	2011	182,136	
MSY	MSY-MT	2015	7476	
M	M-1/yr	2011	0.08	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2015	37,656	
Flim	Flim-1/yr	2015	0.55	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	168,000	-	4+
SSB	SSB-MT	2015	52,000	Females	-
TN	-	-	-	-	-
R	R-E00	2015	13,100,000	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	4460		
TL	TL-MT	2011	6820]	
TB/TBmsy	-	-	-]	
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	0.86		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.82		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2015	0.55		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





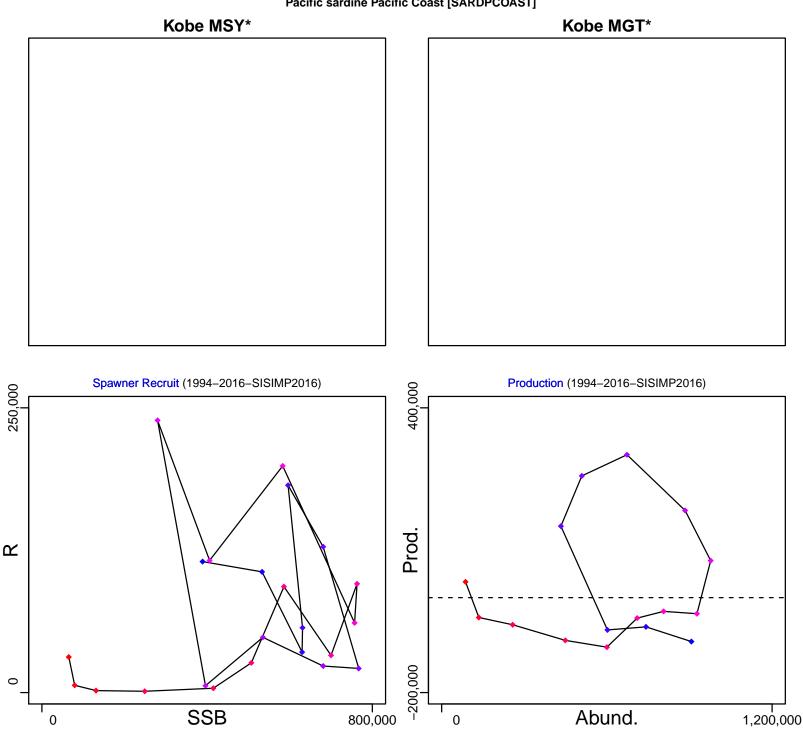


Pacific sardine Pacific Coast [SARDPCOAST]

Metadata			
Scientific Name	Sardinops sagax		
Current Assess ID	SWFSC-SARDPCOAST-1994-2016-SISIMP2016		
Area	Pacific Coast		
Management Authority	National Marine Fisheries Service, US national management		
Assessor	sessor Southwest Fisheries Science Center		
Asmts in RAM	2007, 2016		

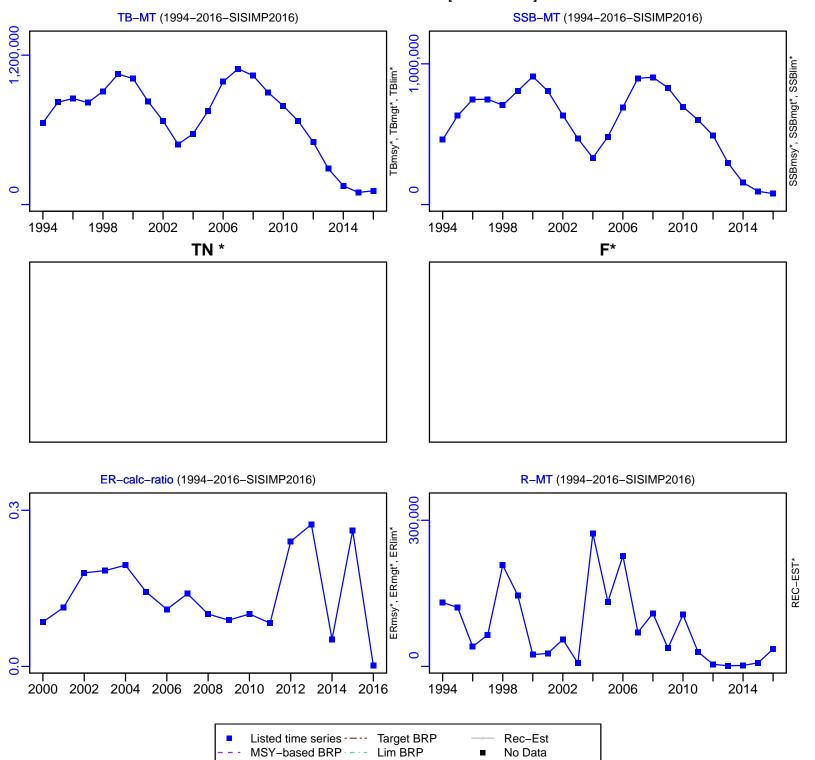
Reference Points			
Туре	ID Asmt Year Valu		
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	M-1/yr	2007	0.4
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	50,000
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	98,800	-	0+
SSB	SSB-MT	2016	65,100	-	-
TN	-	-	-	-	-
R	R-MT	2016	31,200	-	0
F	-	-	-	-	-
ER	ER-calc-ratio	2016	0	-	-
TC	TC-MT	2016	153		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

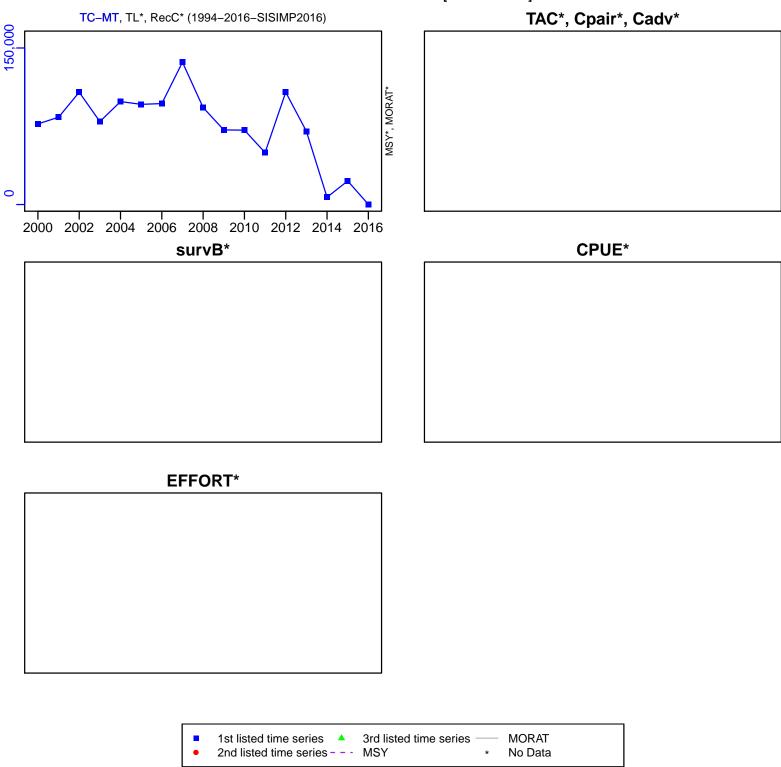


Start Year • End Year • No Data

Pacific sardine Pacific Coast [SARDPCOAST]



Pacific sardine Pacific Coast [SARDPCOAST]

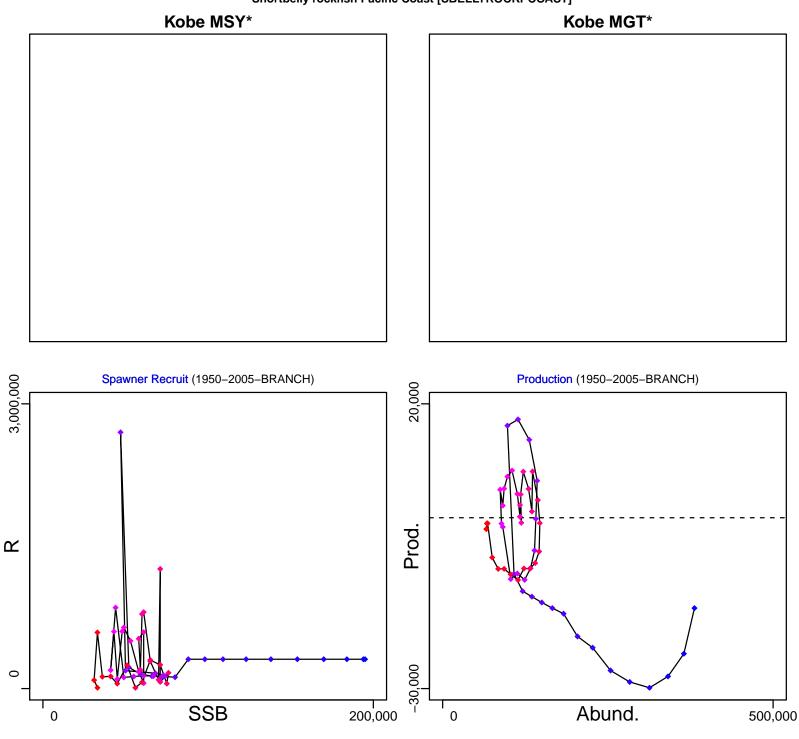


Shortbelly rockfish Pacific Coast [SBELLYROCKPCOAST]

Metadata		
Scientific Name	Sebastes jordani	
Current Assess ID	SWFSC-SBELLYROCKPCOAST-1950-2005-BRANCH	
Area	Pacific Coast	
Management Authority	National Marine Fisheries Service, US national management	
Assessor	Southwest Fisheries Science Center	
Asmts in RAM	2005	

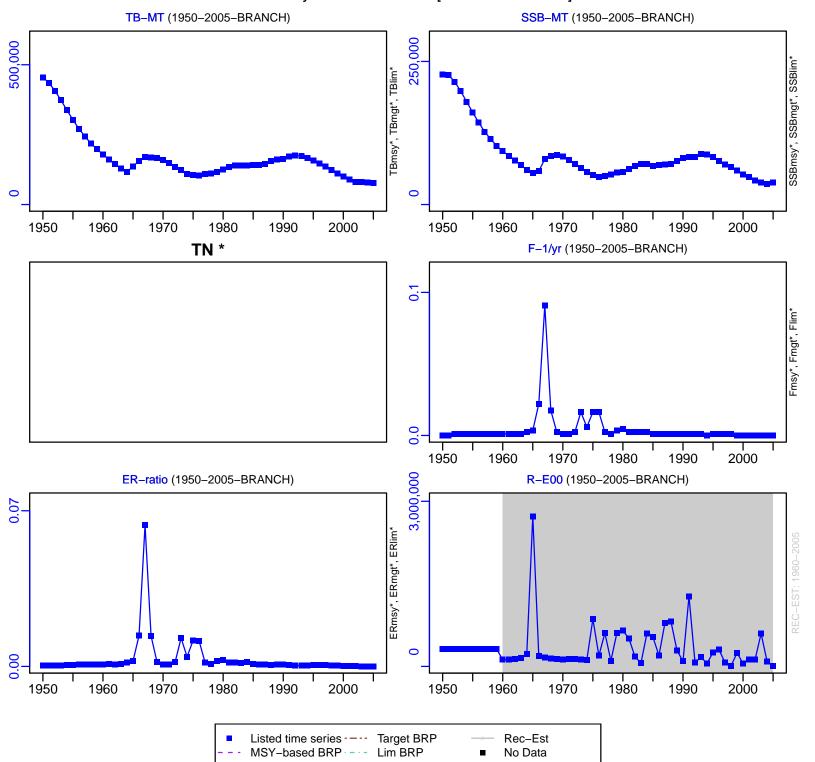
Reference Points			
Туре	ID	Value	
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	TB0-MT	2005	98,400
SSB0	SSB0-MT	2005	49,500
MSY	-	-	-
М	M-1/yr	2005	0.26
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2005	64,000	-	1+
SSB	SSB-MT	2005	33,000	Females	2+
TN	-	-	-	-	-
R	R-E00	2005	9000	-	0
F	F-1/yr	2005	0	Both	1+
ER	ER-ratio	2005	0	-	-
TC	TC-MT	2005	0		
TL	-	-	-		
TB/TBmsy	TB-MT/TB0-MT	2005	1.77		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

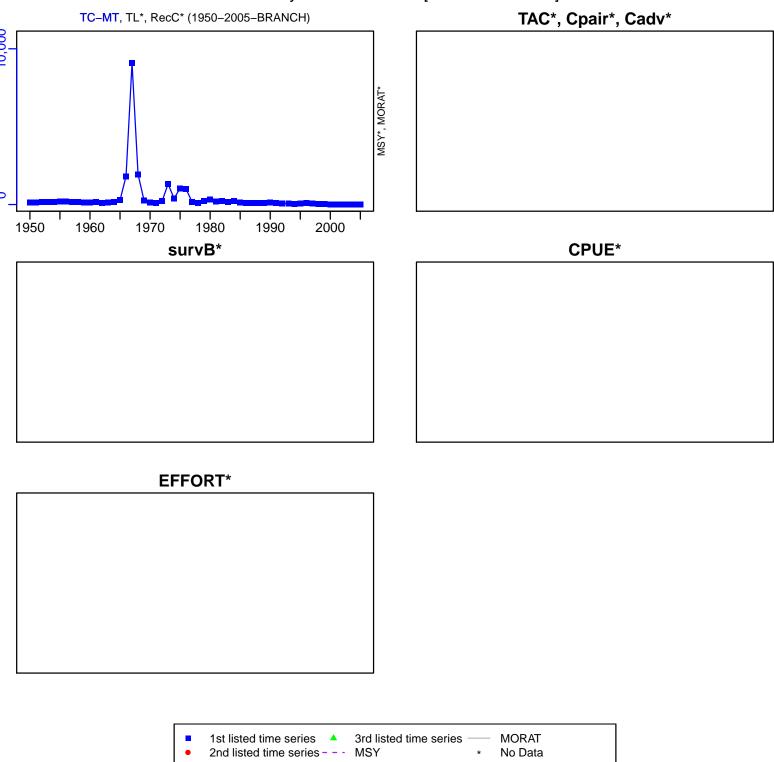


Start Year ◆ End Year * No Data

Shortbelly rockfish Pacific Coast [SBELLYROCKPCOAST]



Shortbelly rockfish Pacific Coast [SBELLYROCKPCOAST]



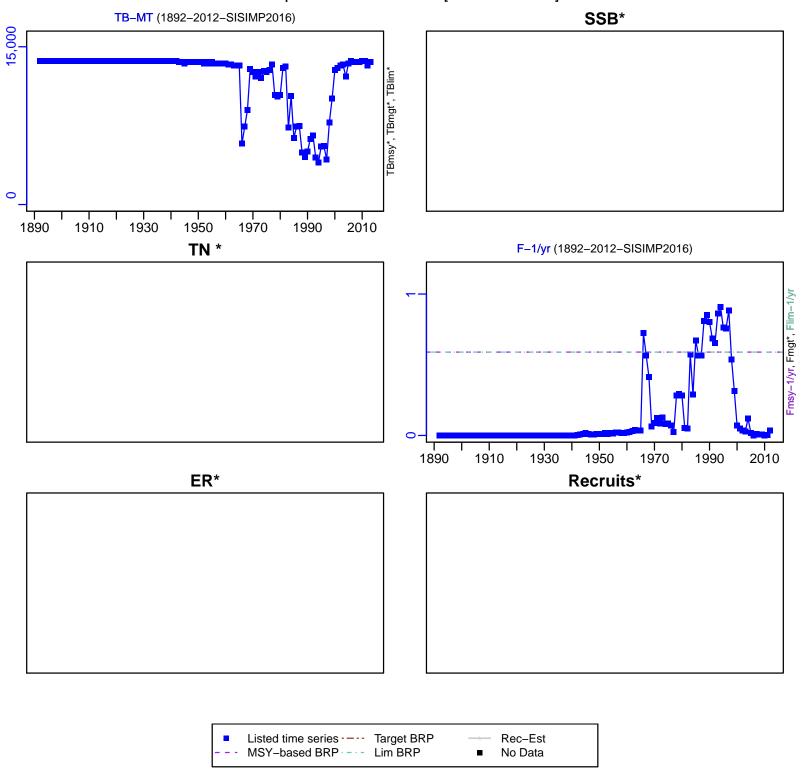
Metadata			
Scientific Name	Sebastes zacentrus		
Current Assess ID	NWFSC-SHCROCKPCOAST-1892-2012-SISIMP2016		
Area Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor	Northwest Fisheries Science Center		
Asmts in RAM	2012		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2012	0.5	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2012	270	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	Flim-1/yr	2012	0.5	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2012	12,800	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2012	0	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2012	0.06		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MGT*
Production*

◆ Start Year ◆ End Year * No Data



TC*, TL*, RecC*	TAC*, Cpair*, Cadv*
survB*	CPUE*
EFFORT*	
LITORI	
 1st listed time series A 3rd 2nd listed time series MS* 	listed time series — MORAT Y * No Data

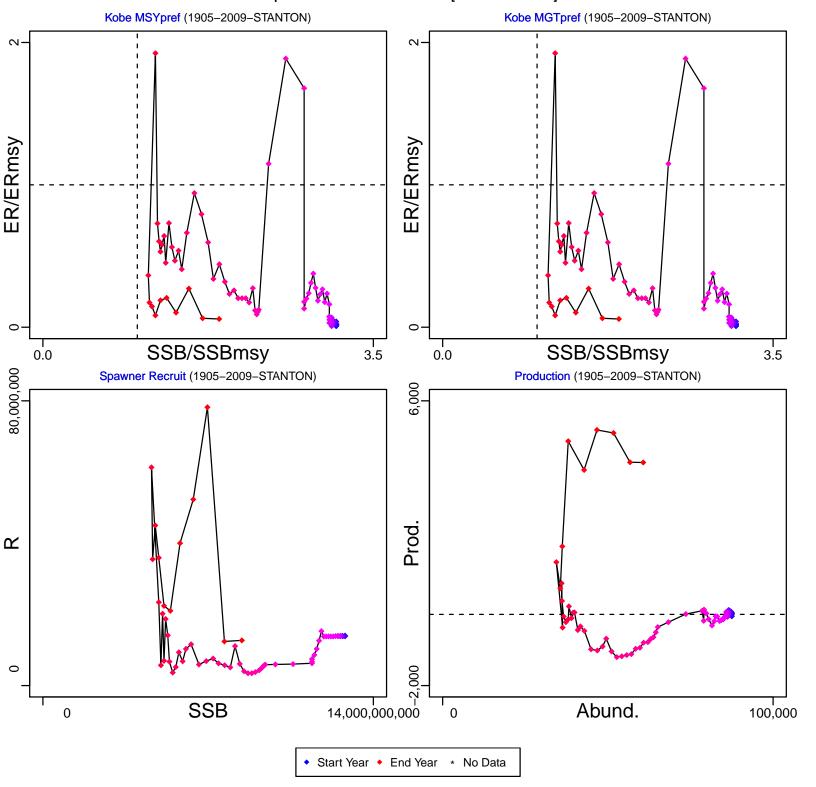
Splitnose Rockfish Pacific Coast [SNROCKPCOAST]

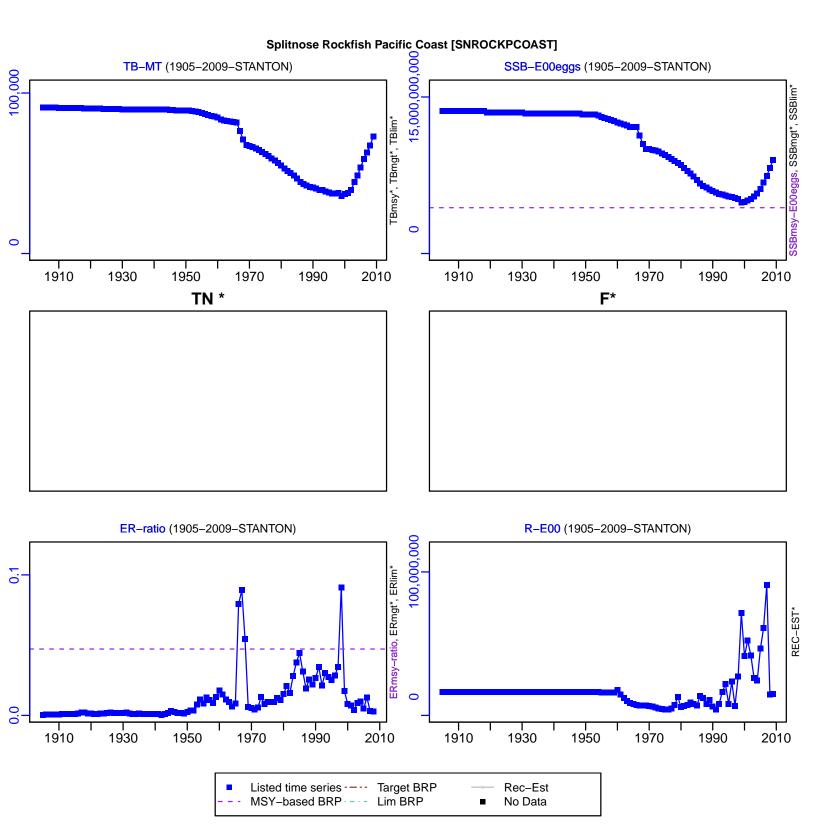
Metadata			
Scientific Name	Sebastes diploproa		
Current Assess ID	NWFSC-SNROCKPCOAST-1905-2009-STANTON		
Area	Pacific Coast		
Management Authority	National Marine Fisheries Service, US national management		
Assessor	Northwest Fisheries Science Center		
Asmts in RAM	2009		

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-E00eggs	2009	4.12×10^{9}
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2009	0.04
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	TB0-MT	2009	87,584
SSB0	-	-	-
MSY	MSY-MT	2009	1268
M	M-1/yr	2009	0.05
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

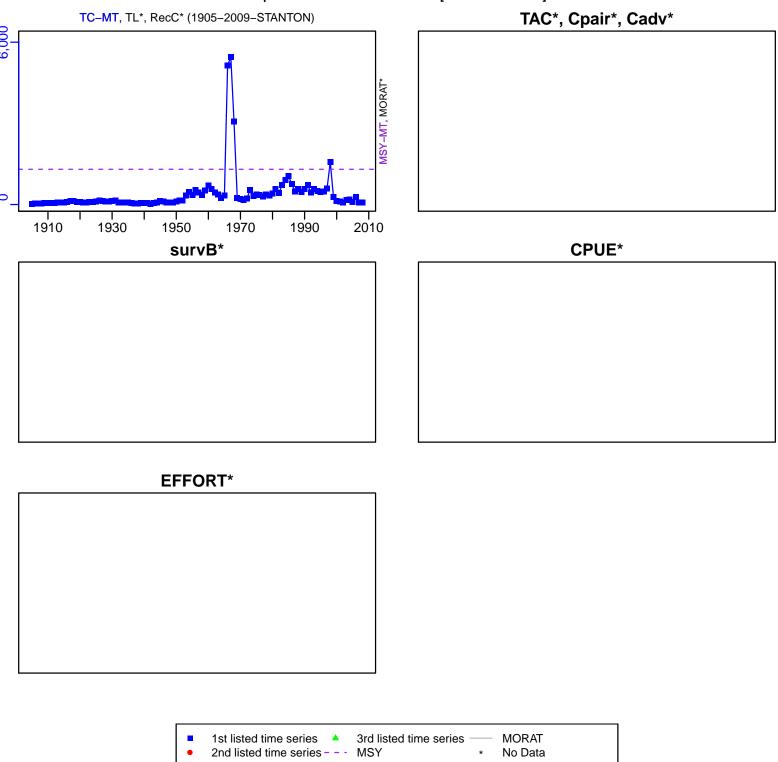
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2009	70,200	-	4+
SSB	SSB-E00eggs	2009	8.43×10^{9}	Females	-
TN	-	-	-	-	-
R	R-E00	2009	12,700,000	-	0
F	-	-	-	-	-
ER	ER-ratio	2009	0	-	-
TC	TC-MT	2009	66		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2009	2.05		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2009	0.06		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Splitnose Rockfish Pacific Coast [SNROCKPCOAST]





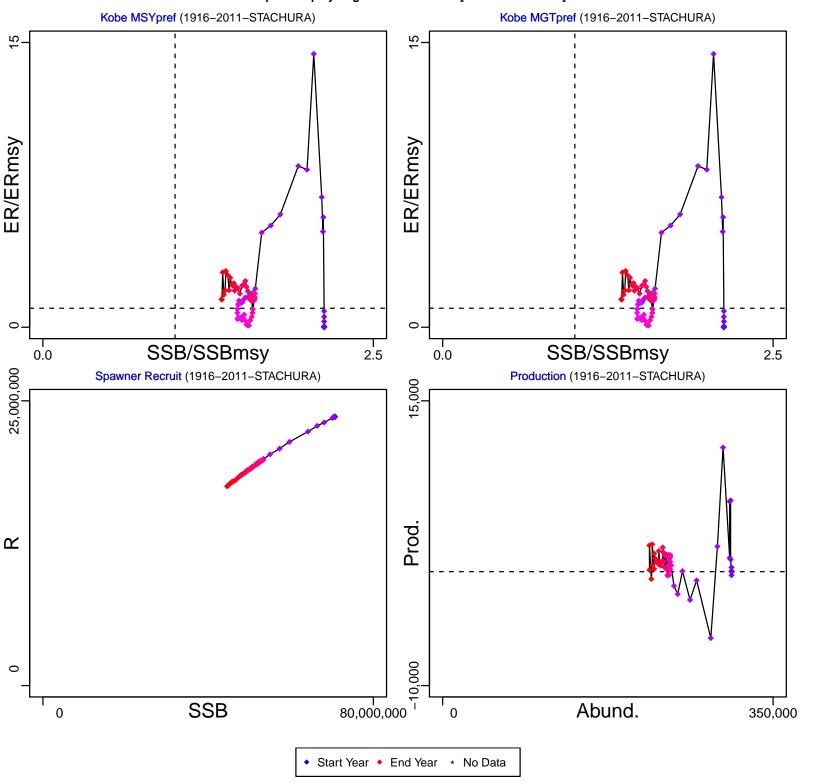
Splitnose Rockfish Pacific Coast [SNROCKPCOAST]

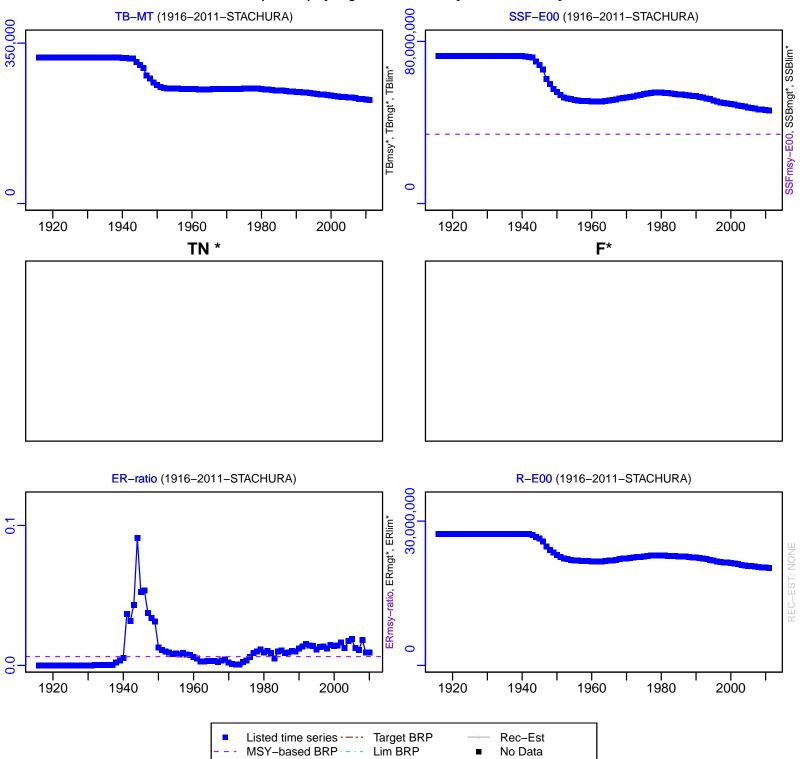


Metadata			
Scientific Name	Squalus suckleyi		
Current Assess ID NWFSC-SPSDOGPCOAST-1916-2011-STACHURA			
Area Pacific Coast			
Management Authority National Marine Fisheries Service, US national manageme			
Assessor	Northwest Fisheries Science Center		
Asmts in RAM	2011		

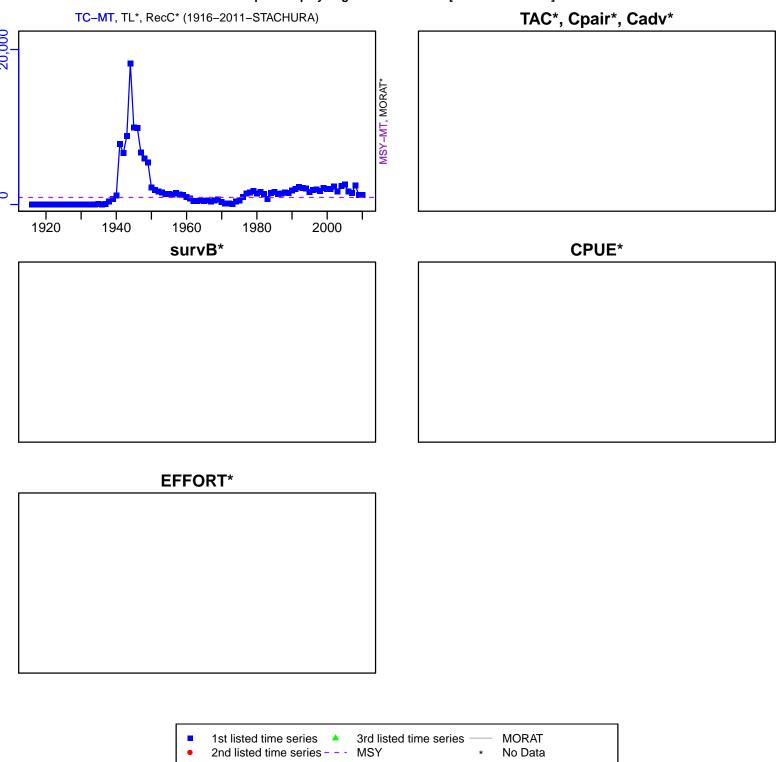
Reference Points				
Type	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSFmsy-E00	2011	33,229,000	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2011	0.01	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	TB0-MT	2011	304,105	
SSB0	-	-	-	
MSY	MSY-MT	2011	848	
M	M-1/yr	2011	0.06	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	217,000	-	1+
SSB	SSF-E00	2011	44,600,000	Females	35.5+
TN	-	-	-	-	-
R	R-E00	2011	17,500,000	-	0
F	-	-	-	-	-
ER	ER-ratio	2011	0	-	-
TC	TC-MT	2011	1160		
TL	-	-	-		
TB/TBmsy	-	-	-	1	
SSB/SSBmsy	SSF-E00/SSFmsy-E00	2011	1.34		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2011	1.47		
TB/TBmgt	-	-	-]	
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





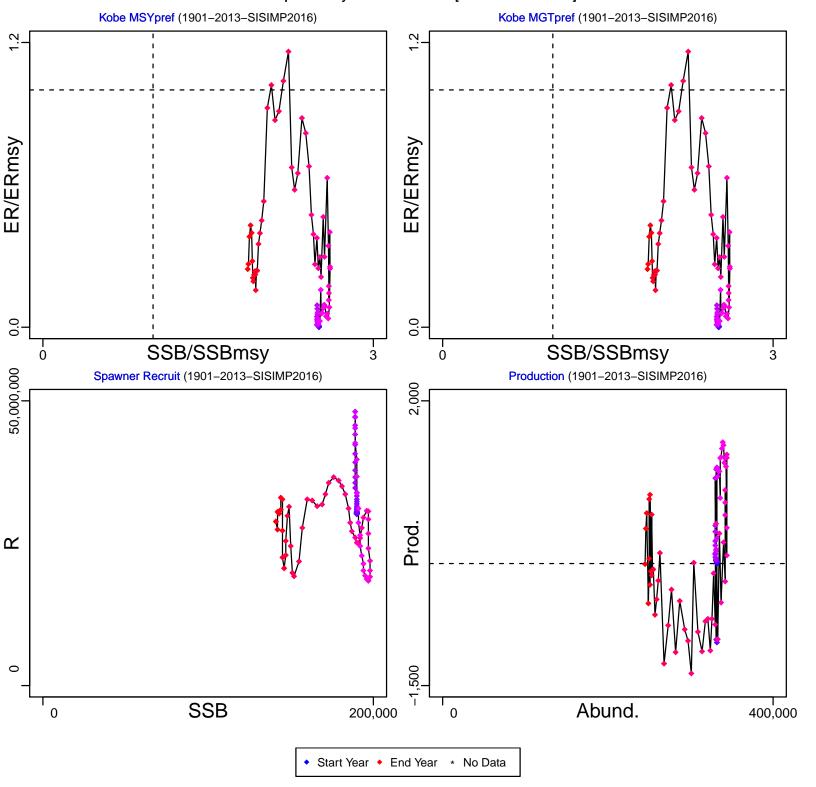
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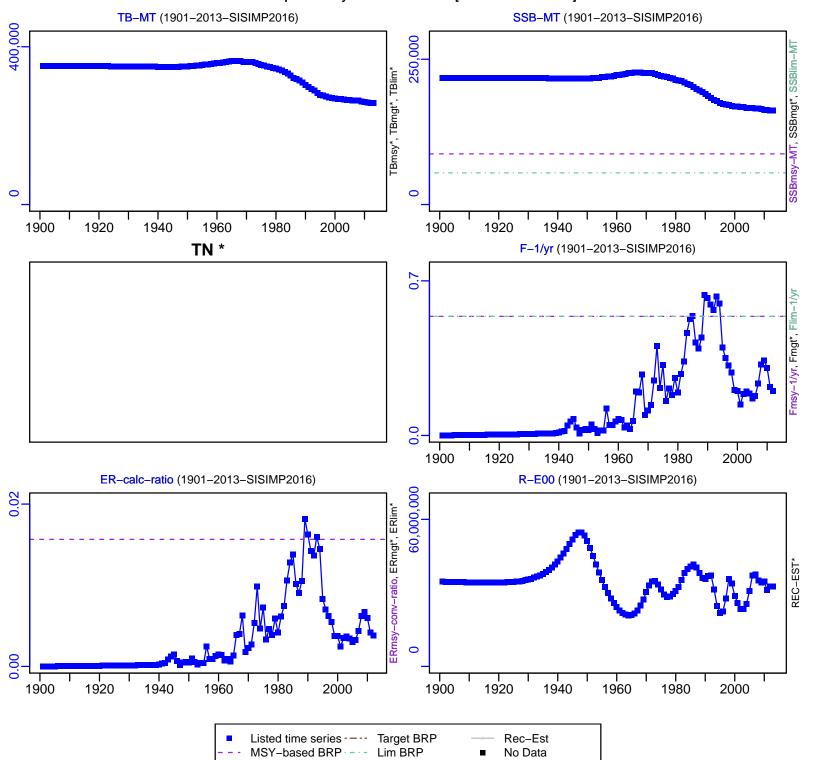


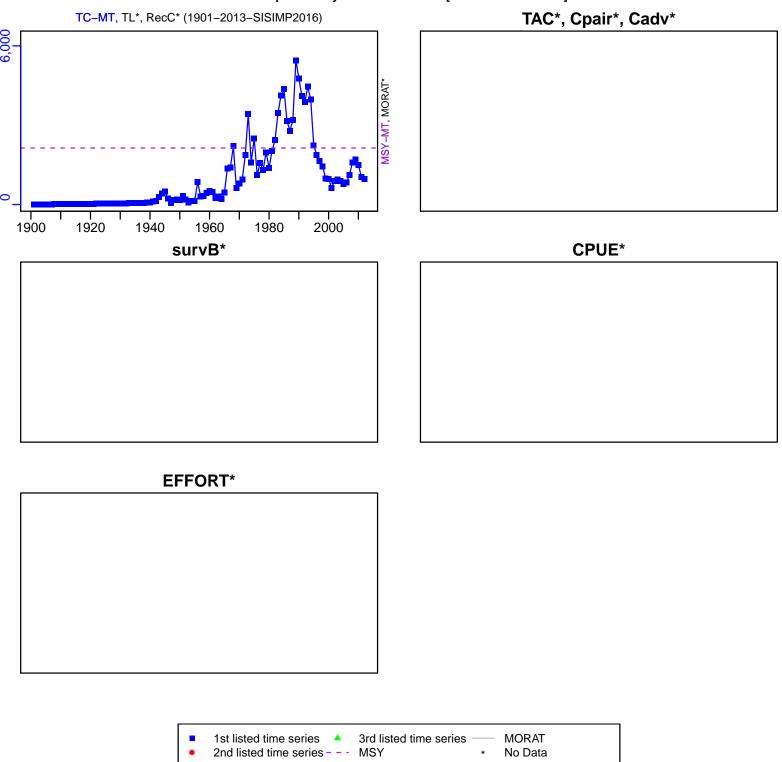
Metadata			
Scientific Name	Sebastolobus alascanus		
Current Assess ID	NWFSC-SSTHORNHPCOAST-1901-2013-SISIMP2016		
Area Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor Northwest Fisheries Science Center			
Asmts in RAM	2005, 2013		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-MT	2005	86,000		
SSBmsy	SSBmsy-MT	2013	75,906		
Fmsy	Fmsy-1/yr	2013	0.5		
ERmsy	ERmsy-ratio	2005	0.02		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	TB0-MT	2005	230,500		
SSB0	SSB0-MT	2005	130,646		
MSY	MSY-MT	2013	2034		
M	M-1/yr	2005	0.05		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2013	47,441		
Flim	Flim-1/yr	2013	0.5		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2013	244,000	-	1+
SSB	SSB-MT	2013	141,000	Females	-
TN	-	-	-	-	-
R	R-E00	2013	28,800,000	-	0
F	F-1/yr	2013	0	-	-
ER	ER-calc-ratio	2013	0	-	-
TC	TC-MT	2013	911		
TL	TL-MT	2005	867		
TB/TBmsy	TB-MT/TBmsy-MT	2005	1.69		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2013	1.85		
F/Fmsy	F-1/yr/Fmsy-1/yr	2013	0.37		
ER/ERmsy	ER-ratio/ERmsy-ratio	2005	0.27		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



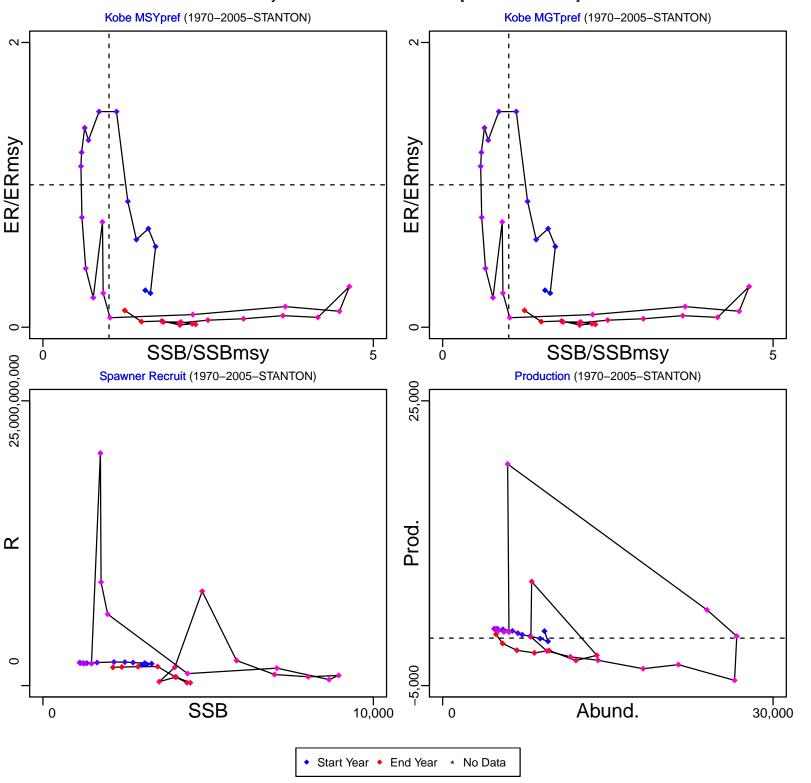


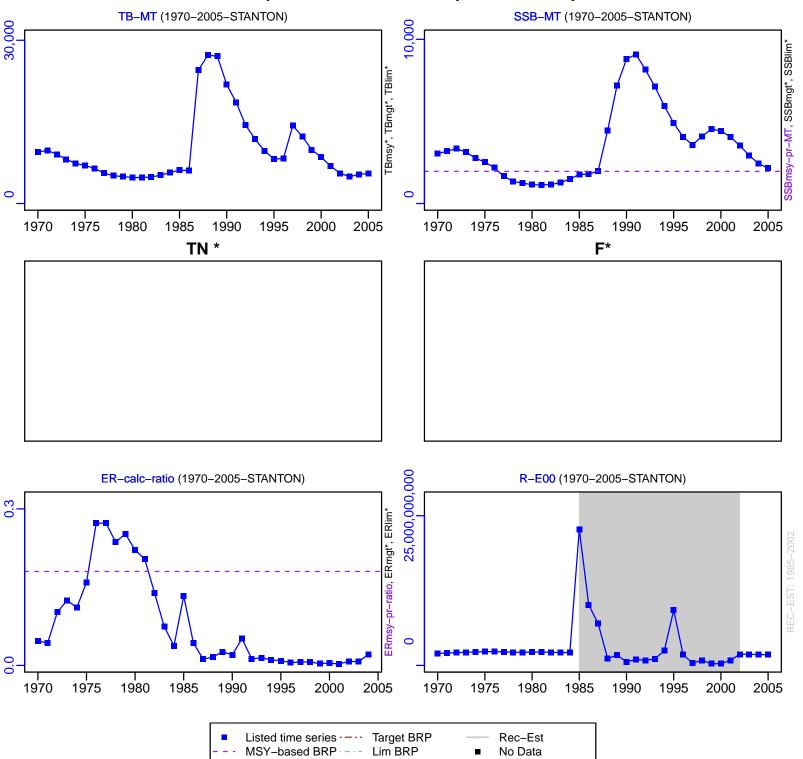


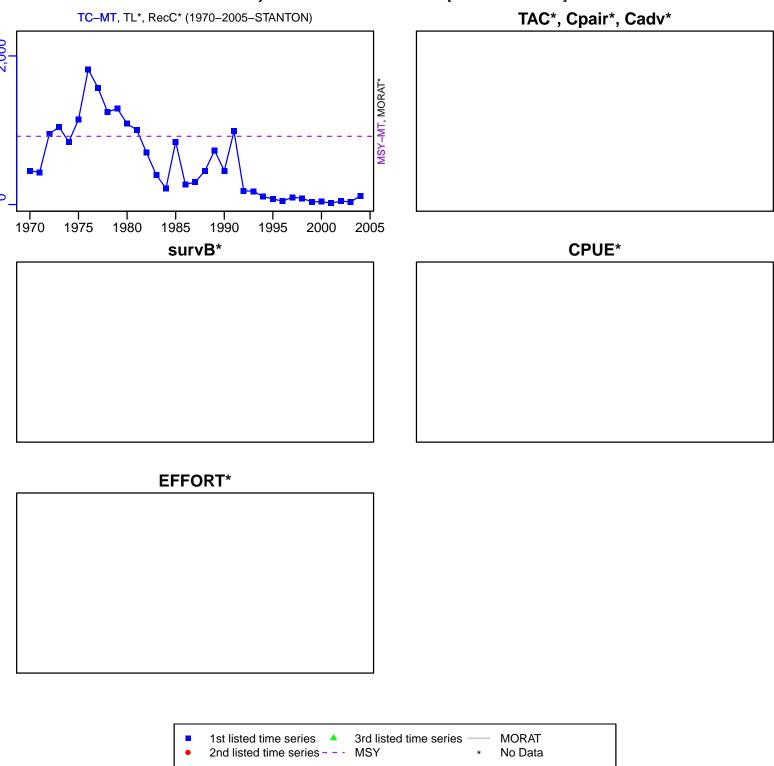
Metadata			
Scientific Name	Platichthys stellatus		
Current Assess ID	SWFSC-STFLOUNNPCOAST-1970-2005-STANTON		
Area Northern Pacific Coast			
Management Authority National Marine Fisheries Service, US national management			
Assessor Southwest Fisheries Science Center			
Asmts in RAM	2005		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-pr-MT	2005	1930	
Fmsy	-	-	-	
ERmsy	ERmsy-pr-ratio	2005	0.17	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	TB0-MT	2005	12,102	
SSB0	SSB0-MT	2005	4824	
MSY	MSY-MT	2005	818	
M	M-1/yr	2005	0.3	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2005	5440	-	2+
SSB	SSB-MT	2005	2120	Females	3+
TN	-	-	-	-	-
R	R-E00	2005	1.6×10^9	-	0
F	-	-	-	-	-
ER	ER-calc-ratio	2005	0	-	-
TC	TC-MT	2005	104		,
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2005	1.1		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-pr-ratio	2005	0.12		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



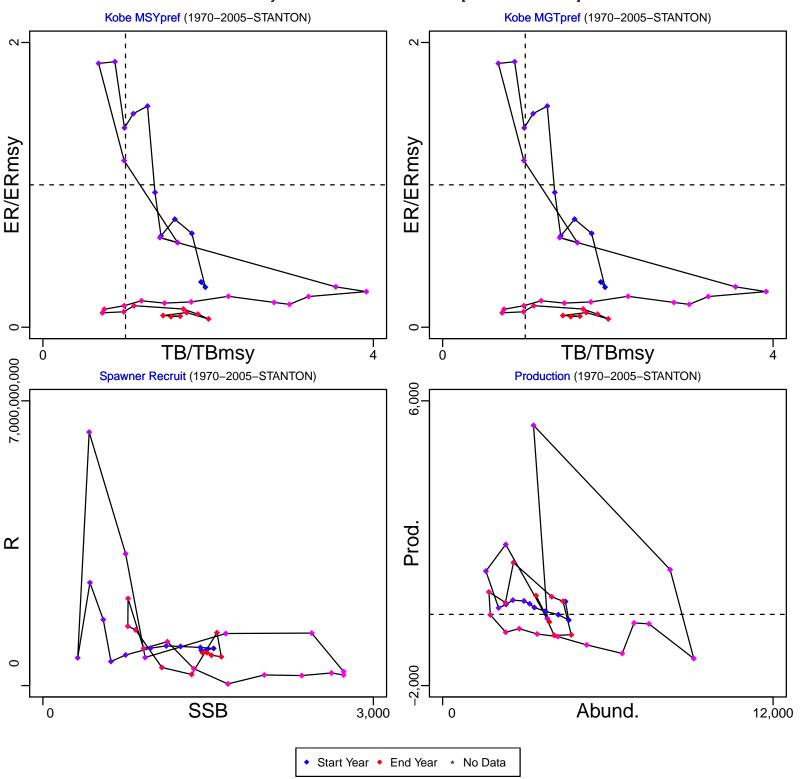


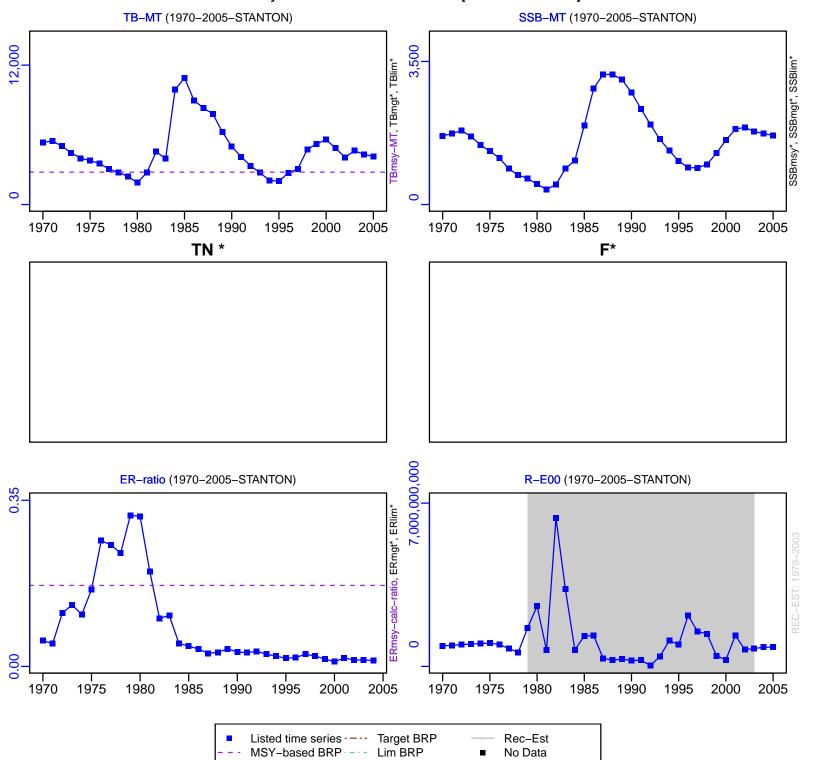


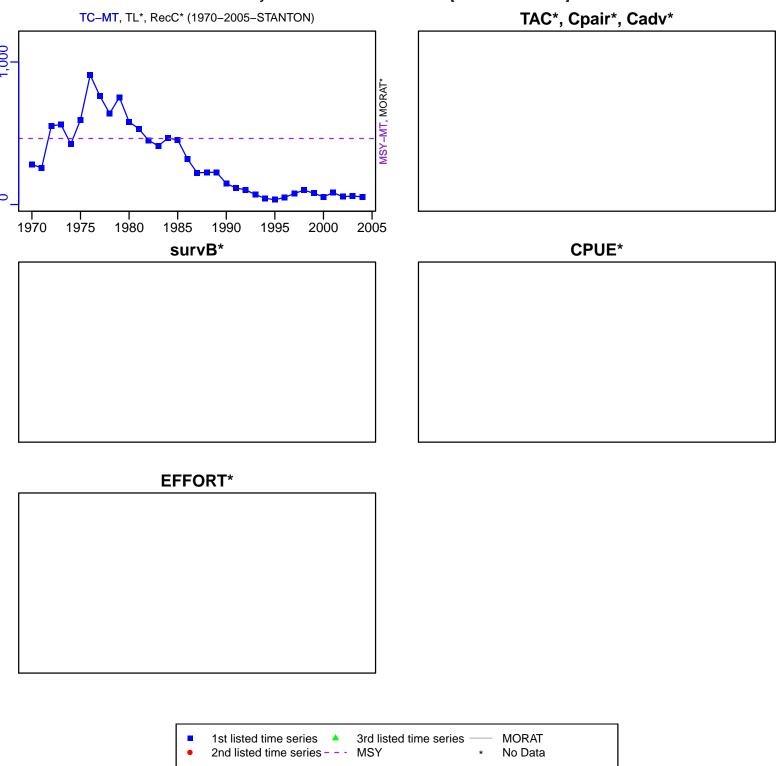
Metadata			
Scientific Name	Platichthys stellatus		
Current Assess ID SWFSC-STFLOUNSPCOAST-1970-2005-STANTON			
Area Southern Pacific Coast			
Management Authority	National Marine Fisheries Service, US national management		
Assessor Southwest Fisheries Science Center			
Asmts in RAM	2005		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-MT	2005	2329		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	ERmsy-calc-ratio	2005	0.17		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	TB0-MT	2005	5854		
SSB0	SSB0-MT	2005	2334		
MSY	MSY-MT	2005	396		
М	M-1/yr	2005	0.3		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

	Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	TB-MT	2005	3460	-	2+	
SSB	SSB-MT	2005	1450	Females	3+	
TN	-	-	-	-	-	
R	R-E00	2005	8.07×10^{8}	-	0	
F	-	-	-	-	-	
ER	ER-ratio	2005	0	-	-	
TC	TC-MT	2005	46			
TL	-	-	-			
TB/TBmsy	TB-MT/TBmsy-MT	2005	1.49			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	ER-ratio/ERmsy-calc-ratio	2005	0.07			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	-	-	-			
ER/ERmgt	-	-	-			



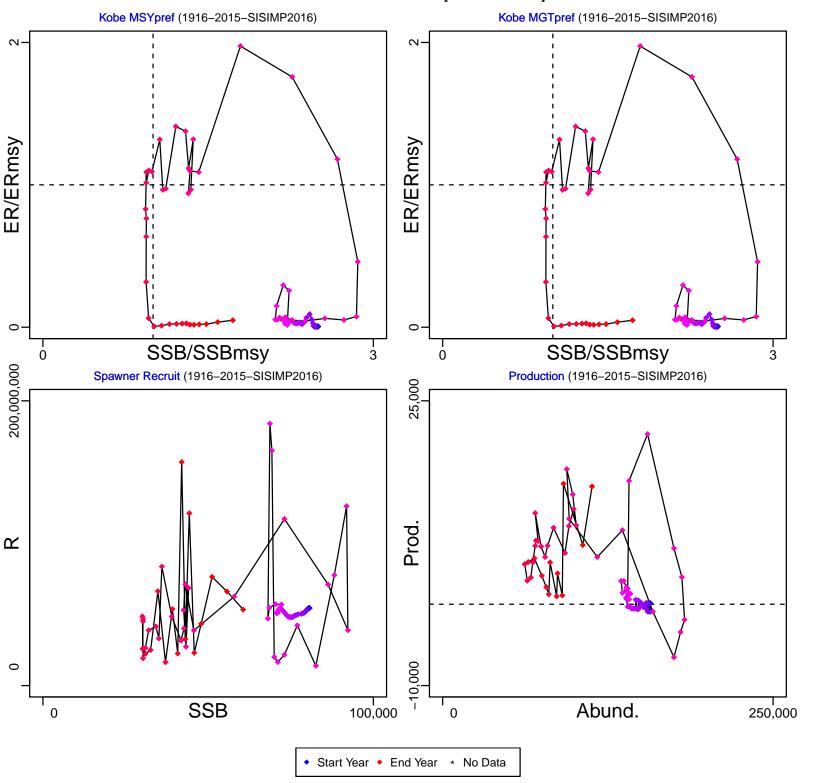


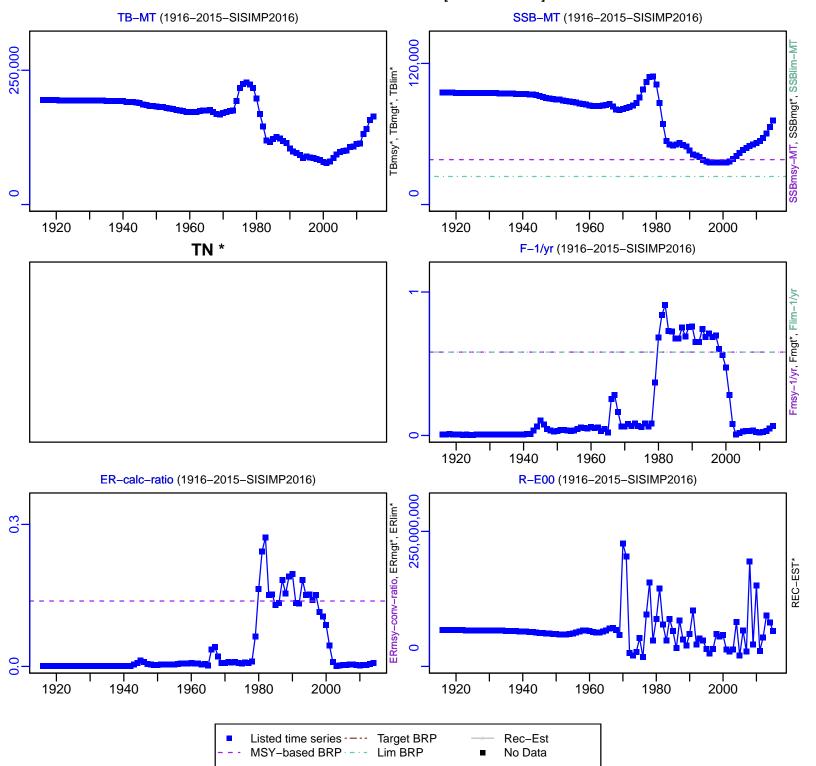


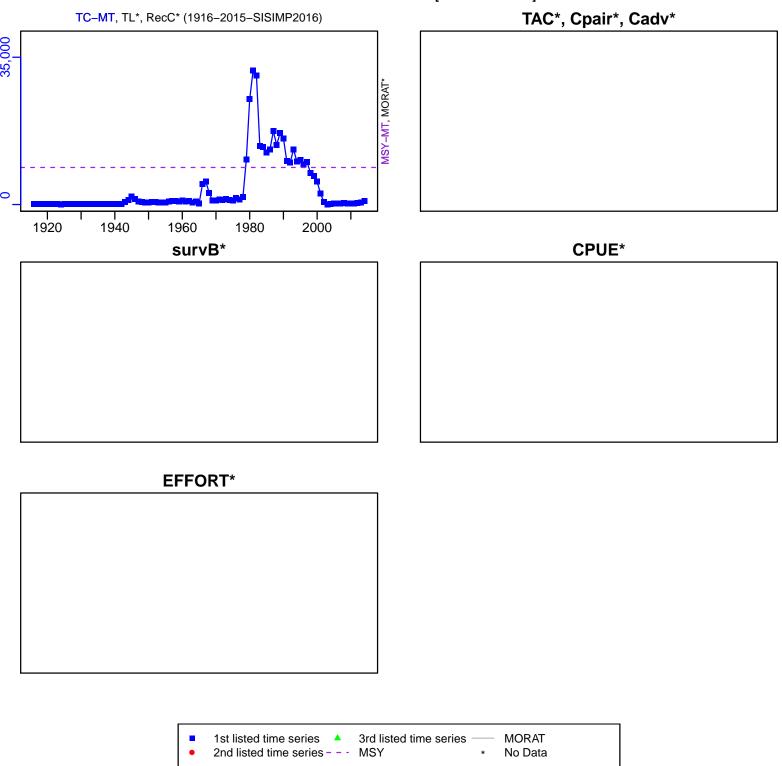
Metadata		
Scientific Name	Sebastes entomelas	
Current Assess ID	NWFSC-WROCKPCOAST-1916-2015-SISIMP2016	
Area	Pacific Coast	
Management Authority	National Marine Fisheries Service, US national management	
Assessor	Northwest Fisheries Science Center	
Asmts in RAM	2011, 2015	

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2015	32,283	
Fmsy	Fmsy-1/yr	2015	0.5	
ERmsy	ERmsy-ratio	2011	0.12	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2011	28,451	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2011	71,126	
MSY	MSY-MT	2015	7776	
M	M-1/yr	2011	0.12	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2015	20,177	
Flim	Flim-1/yr	2015	0.5	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	132,000	Both	4+
SSB	SSB-MT	2015	60,600	Females	-
TN	-	-	-	-	-
R	R-E00	2015	53,400,000	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	726		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.88		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.11		
ER/ERmsy	ER-ratio/ERmsy-ratio	2011	0.02		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2011	1.28		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		







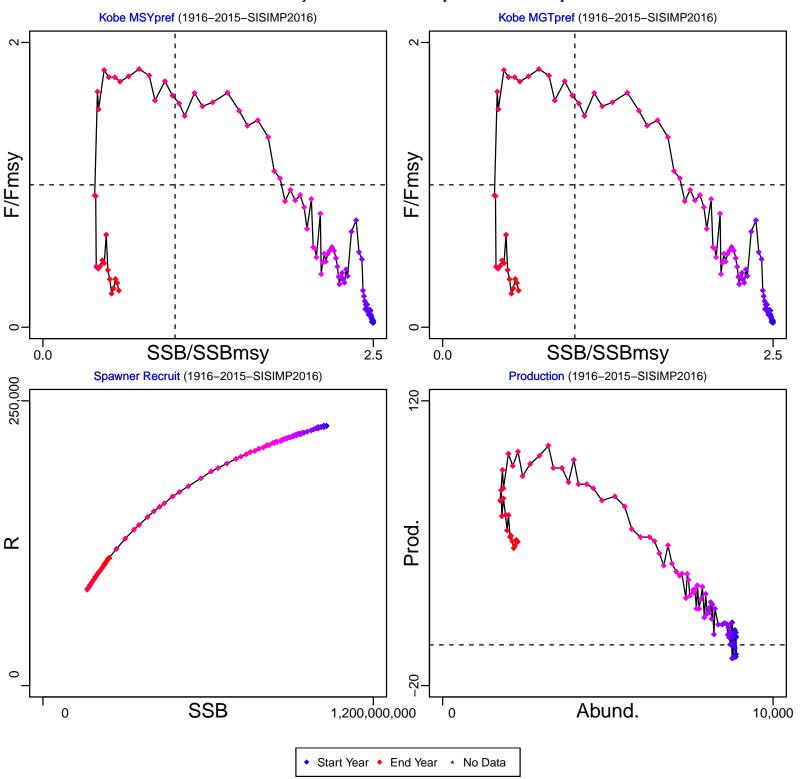
Yelloweye rockfish Pacific Coast [YEYEROCKPCOAST]

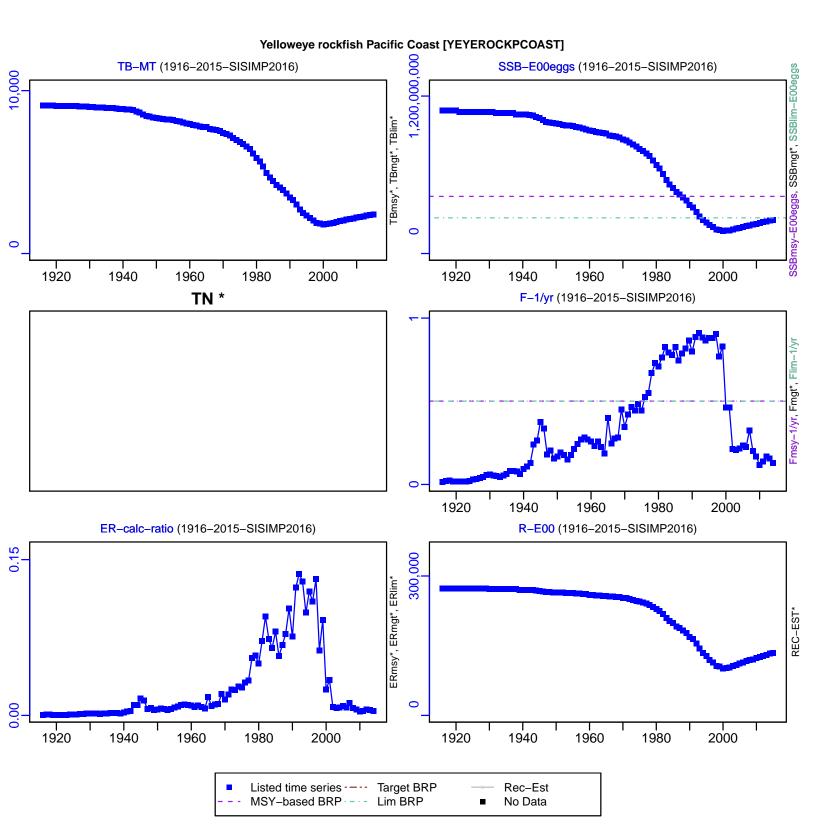
Metadata		
Scientific Name	Sebastes ruberrimus	
Current Assess ID	NWFSC-YEYEROCKPCOAST-1916-2015-SISIMP2016	
Area	Pacific Coast	
Management Authority	National Marine Fisheries Service, US national management	
Assessor	Northwest Fisheries Science Center	
Asmts in RAM	2011, 2015	

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-E00eggs	2015	411,100,000	
Fmsy	Fmsy-1/yr	2015	0.5	
ERmsy	ERmsy-ratio	2011	0.02	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	TB0-MT	2011	8882	
SSB0	SSB0-E00eggs	2011	1.03×10^{9}	
MSY	MSY-MT	2011	63	
M	M-1/yr	2011	0.05	
TBlim	-	-	-	
SSBlim	SSBlim-E00eggs	2015	256,900,000	
Flim	Flim-1/yr	2015	0.5	
ERlim	-	-	-	

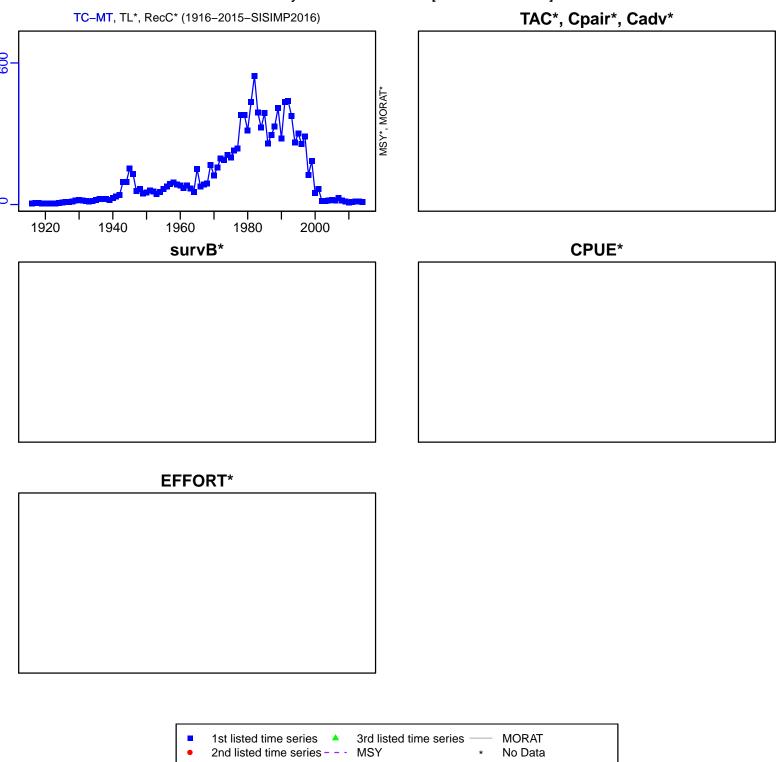
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	2350	-	8+
SSB	SSB-E00eggs	2015	2.41×10^{8}	Females	-
TN	-	-	-	-	-
R	R-E00	2015	112,000	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	8.8		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-E00eggs/SSBmsy-E00eggs	2015	0.59		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.26		
ER/ERmsy	ER-calc-ratio/ERmsy-ratio	2011	0.31		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Yelloweye rockfish Pacific Coast [YEYEROCKPCOAST]





Yelloweye rockfish Pacific Coast [YEYEROCKPCOAST]



Metadata		
Scientific Name	Sebastes flavidus	
Current Assess ID	NWFSC-YTROCKNPCOAST-1892-2012-SISIMP2016	
Area	Northern Pacific Coast	
Management Authority	National Marine Fisheries Service, US national management	
Assessor	Northwest Fisheries Science Center	
Asmts in RAM	2012, 2005	

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2012	0.5		
ERmsy	ERmsy-ratio	2005	0.13		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	TB0-MT	2005	120,024		
SSB0	SSB0-MT	2005	31,016		
MSY	MSY-MT	2012	4805		
М	M-1/yr	2005	0.11		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	Flim-1/yr	2012	0.5		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2012	143,000	-	-
SSB	SSB-MT	2005	16,900	-	4+
TN	-	-	-	-	-
R	R-E00	2005	12,100,000	-	4
F	F-1/yr	2012	0	-	-
ER	ER-ratio	2005	0	-	-
TC	TC-MT	2005	1610		
TL	-	-	-		
TB/TBmsy	TB-MT/TB0-MT	2005	1.68		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2012	0.36]	
ER/ERmsy	ER-ratio/ERmsy-ratio	2005	0.17		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

