# **New Zealand Stocks**

v4.66 (Nov-03-2024)

### Not present Present Preferred

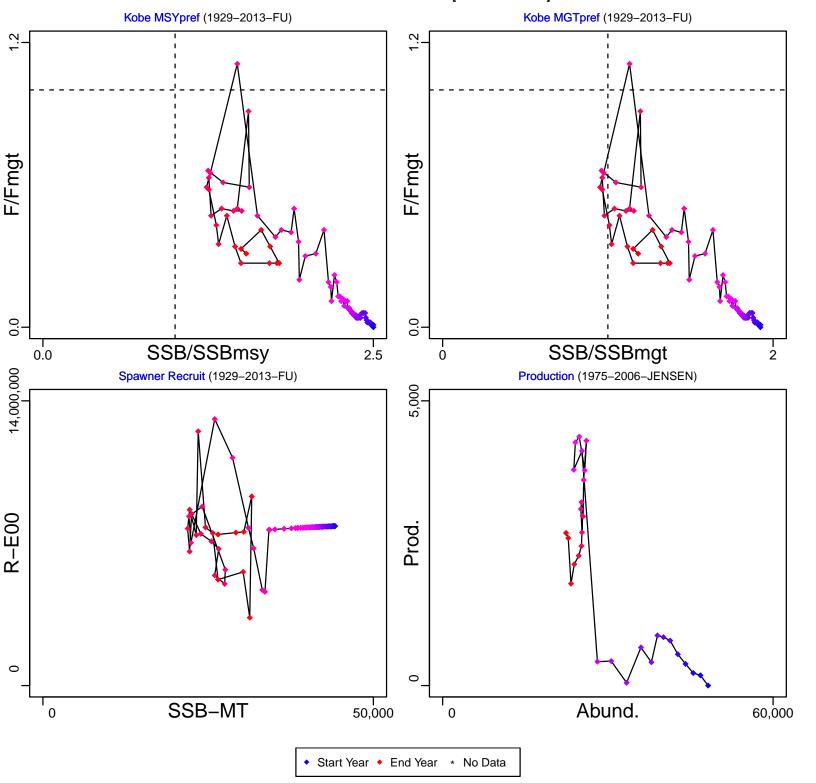
Stock   B/Bmsy   U/Umsy   B/Bmst   U/Umgt   U/		Time Series Types			
2. BKCDLFENI [Black cardinalfish East coast of North Island]         TB SSB ER F         TB SSB ER F         TB SSB ER F           3. BLACKOREOPR [Black oreo Pukaki Rise]         TB SSB ER F         TB SSB ER F         TB SSB ER F           4. BLACKOREOWECR [Black oreo Pukaki Rise]         TB SSB ER F         TB SSB ER F         TB SSB ER F           5. BNSNZ [Bluenose New Zealand]         TB SSB ER F         TB SSB ER F         TB SSB ER F           6. DOYSFS [Dredge cyster Foveax Strait]         TB SSB ER F         TB SSB ER F         TB SSB ER F           7. GEMFISHNZ [Common gemfish New Zealand]         TB SSB ER F         TB SSB ER F         TB SSB ER F           8. GSTRGZRSTA7 [Giant stargazer NZ Area STA7]         TB SSB ER F         TB SSB ER F         TB SSB ER F           9. HOKIENZ [Hoki Eastern New Zealand]         TB SSB ER F         TB SSB ER F         TB SSB ER F           10. HOKIWAY [Hoki Western New Zealand]         TB SSB ER F         TB SSB ER F         TB SSB ER F           11. NZLINGLIN3-4 [Ling New Zealand Areas LIN 3 and 4]         TB SSB ER F         TB SSB ER F         TB SSB ER F           12. NZLINGLIN56 [Ling New Zealand Areas LIN 70]         TB SSB ER F         TB SSB ER F         TB SSB ER F           13. NZLINGLIN56 [Ling New Zealand Areas LIN 7WC-WCSI]         TB SSB ER F         TB SSB ER F         TB SSB ER F           14. NZLINGL	Stock	B/Bmsy			U/Umgt
3. BLACKOREOPR [Black oreo Pukaki Rise]	AUSSALMONNZ [Australian salmon New Zealand]				
4. BLACKOREOWECR [Black oreo West end of Chatham Rise]         TB SSB         ER F         TB SSB         ER F           5. BNSNZ [Bluenose New Zealand]         TB SSB         ER F         TB SSB         ER F           6. DOYSFS [Dredge oyster Foveax Strait]         TB SSB         ER F         TB SSB         ER F           7. GEMFISHNZ [Common gemfish New Zealand]         TB SSB         ER F         TB SSB         ER F           8. GSTRGZRSTAT [Giant stargazer NZ Area STAT]         TB SSB         ER F         TB SSB         ER F           9. HOKIENZ [Hoki Eastern New Zealand]         TB SSB         ER F         TB SSB         ER F           10. HOKIWNZ [Hoki Western New Zealand]         TB SSB         ER F         TB SSB         ER F           11. NZLINGLIN3-6 [Ling New Zealand Areas LIN 3 and 4]         TB SSB         ER F         TB SSB         ER F           12. NZLINGLING-10 [Ling New Zealand Areas LIN 6b]         TB SSB         ER F         TB SSB         ER F           13. NZLINGLINTWC [Ling New Zealand Areas LIN 72]         TB SSB         ER F         TB SSB         ER F           15. NZLINGLINTWC [Ling New Zealand Areas LIN 7WC-WCSI]         TB SSB         ER F         TB SSB         ER F           16. NZSNAPNZ1 [New Zealand snapper New Zealand SNA 1 east         TB SSB         ER F	BKCDLFENI [Black cardinalfish East coast of North Island]	TB SSB	ER F	TB SSB	ER F
5. BNSNZ [Bluenose New Zealand]         TB SSB         ER F         TB SSB         ER F           6. DOYSFS [Dredge oyster Foveax Strait]         TB SSB         ER F         TB SSB         ER F           7. GEMFISHNZ [Common gemfish New Zealand]         TB SSB         ER F         TB SSB         ER F           8. GSTRGZRSTA7 [Giant stargazer NZ Area STA7]         TB SSB         ER F         TB SSB         ER F           9. HOKIENZ [Hoki Eastern New Zealand]         TB SSB         ER F         TB SSB         ER F           10. HOKIWNZ [Hoki Western New Zealand]         TB SSB         ER F         TB SSB         ER F           11. NZLINGLIN3-4 [Ling New Zealand Areas LIN 3 and 4]         TB SSB         ER F         TB SSB         ER F           12. NZLINGLIN3-6 [Ling New Zealand Areas LIN 5 and 6]         TB SSB         ER F         TB SSB         ER F           13. NZLINGLIN72 [Ling New Zealand Areas LIN 72]         TB SSB         ER F         TB SSB         ER F           14. NZLINGLIN72 [Ling New Zealand Areas LIN 72]         TB SSB         ER F         TB SSB         ER F           15. NZLINGLIN7WC [Ling New Zealand Snapper New Zealand SNA         TB SSB         ER F         TB SSB         ER F           16. NZSNAPNZ1END [New Zealand Snapper New Zealand SNA 1 east         TB SSB         ER F	3. BLACKOREOPR [Black oreo Pukaki Rise]		ER F		ER F
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31. RROCKLOBSTERCRA1 [Red rock lobster New Zealand Area CRA1] TB SSB ER F  32. RROCKLOBSTERCRA2 [Red rock lobster New Zealand Area CRA2] TB SSB ER F  33. RROCKLOBSTERCRA3 [Red rock lobster New Zealand Area CRA3] TB SSB ER F  34. RROCKLOBSTERCRA4 [Red rock lobster New Zealand Area CRA4] TB SSB ER F  35. RROCKLOBSTERCRA5 [Red rock lobster New Zealand Area CRA5] TB SSB ER F  36. RROCKLOBSTERCRA5 [Red rock lobster New Zealand Area CRA5] TB SSB ER F  37. RROCKLOBSTERCRA5 [Red rock lobster New Zealand Area CRA5] TB SSB ER F  38. RROCKLOBSTERCRA5 [Red rock lobster New Zealand Area CRA5] TB SSB ER F			1		
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33. RROCKLOBSTERCRA3 [Red rock lobster New Zealand Area CRA3] TB SSB ER F TB SSB ER F 34. RROCKLOBSTERCRA4 [Red rock lobster New Zealand Area CRA4] TB SSB ER F TB SSB ER F 35. RROCKLOBSTERCRA5 [Red rock lobster New Zealand Area CRA5] TB SSB ER F TB SSB ER F					
34. RROCKLOBSTERCRA4 [Red rock lobster New Zealand Area CRA4] TB SSB ER F TB SSB ER F 35. RROCKLOBSTERCRA5 [Red rock lobster New Zealand Area CRA5] TB SSB ER F TB SSB ER F					
35. RROCKLOBSTERCRA5 [Red rock lobster New Zealand Area CRA5] TB SSB ER F TB SSB ER F	•				
	-				l I
36. RROCKLOBSTERCRA7 [Red rock lobster New Zealand Area CRA7] TB SSB ER F TB SSB ER F			1		I I
	36. RROCKLOBSTERCRA7 [Red rock lobster New Zealand Area CRA7]	TB SSB	ER F	TB SSB	ER F

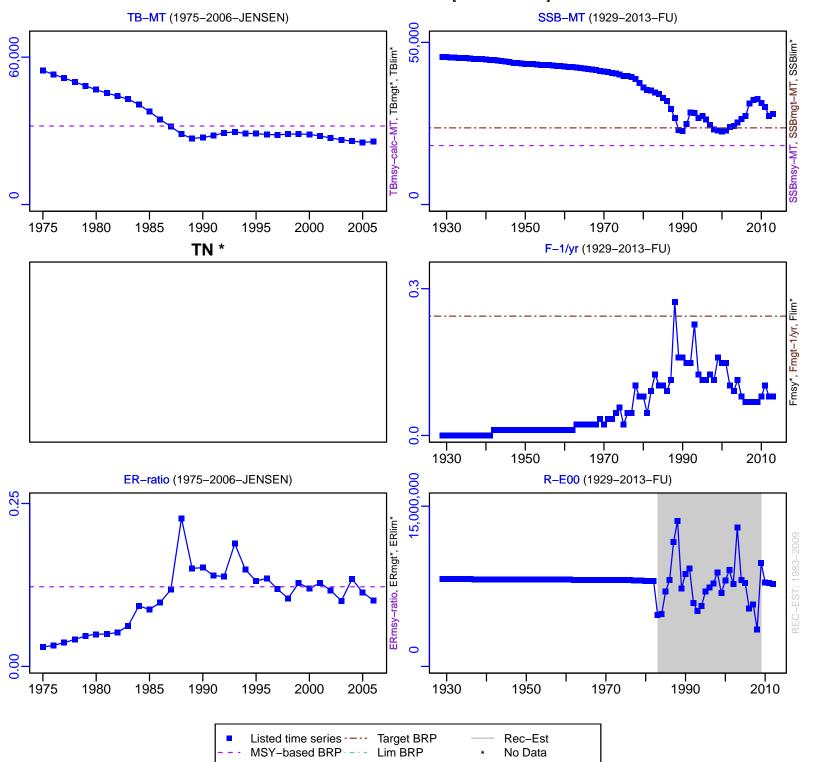
37. RROCKLOBSTERCRA8 [Red rock lobster New Zealand Area CRA8]	TB SSB	ER F	TB SSB	ER F
38. SBWHITACIR [Southern blue whiting Campbell Island Rise]	TB SSB	ER F	TB SSB	ER F
39. SCMPBP [Scampi Bay of Plenty]	TB SSB	ER F	TB SSB	ER F
40. SCMPMB [Scampi Mernoo Bank]	TB SSB	ER F	TB SSB	ER F
41. SCMPSCI6A [Scampi SCI 6A (Auckland Islands)]	TB SSB	ER F	TB SSB	ER F
42. SCMPWHB [Scampi Wairarapa/Hawke Bay]	TB SSB	ER F	TB SSB	ER F
43. SMOOTHOREOBP [Smooth oreo Bounty Plateau]	TB SSB	ER F	TB SSB	ER F
44. SMOOTHOREOCR [Smooth oreo Chatham Rise]	TB SSB	ER F	TB SSB	ER F
45. SMOOTHOREOEPR [Smooth oreo East Pukaki Rise]	TB SSB	ER F	TB SSB	ER F
46. SMOOTHOREOSLD [Smooth oreo Southland]	TB SSB	ER F	TB SSB	ER F
47. SMOOTHOREOWECR [Smooth oreo West end of Chatham Rise]	TB SSB	ER F	TB SSB	ER F
48. SOUTHHAKECR [Southern hake Chatham Rise]	TB SSB	ER F	TB SSB	ER F
49. SOUTHHAKESA [Southern hake Sub-Antarctic]	TB SSB	ER F	TB SSB	ER F
50. SOUTHHAKEWCSI [Southern hake West Coast South Island]	TB SSB	ER F	TB SSB	ER F
51. TARAKENZ [Tarakihi Eastern New Zealand]	TB SSB	ER F	TB SSB	ER F
52. TARAKSA [Tarakihi Sub-Antarctic]	TB SSB	ER F	TB SSB	ER F
53. TREVALLYTRE7 [Trevally New Zealand Areas TRE 7]	TB SSB	ER F	TB SSB	ER F

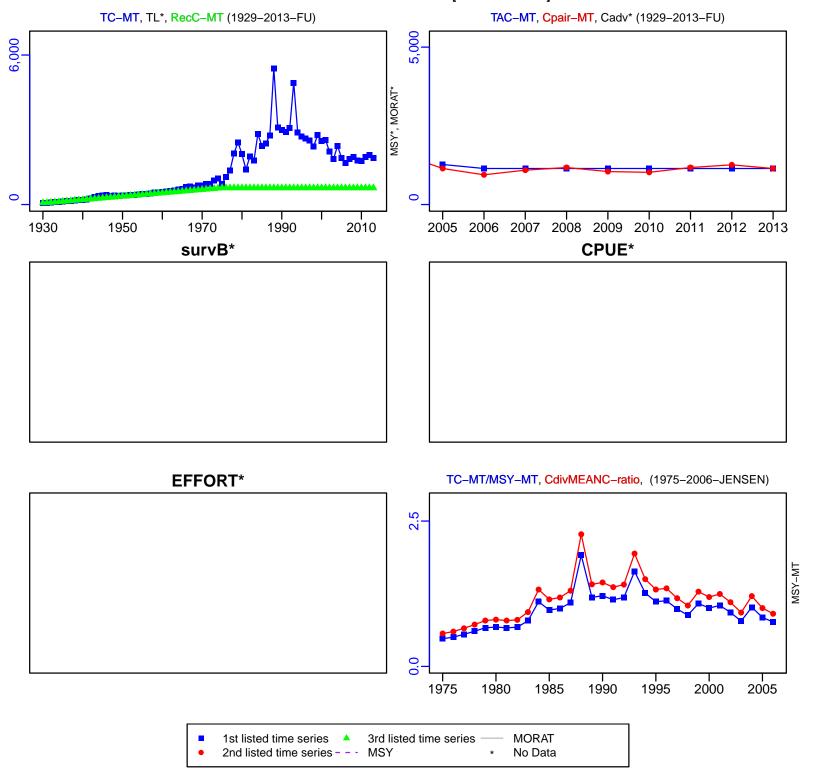
Metadata			
Scientific Name	Arripis trutta		
Current Assess ID	NIWA-AUSSALMONNZ-1929-2013-FU		
Area	New Zealand		
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2013, 2006		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-calc-MT	2006	28,246		
SSBmsy	SSBmsy-MT	2013	17,680		
Fmsy	Fmsy-1/yr	2006	0.32		
ERmsy	ERmsy-ratio	2006	0.119		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2013	22,984		
Fmgt	Fmgt-1/yr	2013	0.215		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	SSB0-MT	2013	44,200		
MSY	MSY-MT	2006	3372		
M	M-1/yr	2013	0.2		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2006	22,600	-	1+
SSB	SSB-MT	2013	27,200	-	4 to 20
TN	-	-	-	-	-
R	R-E00	2013	7,430,000	Both	-
F	F-1/yr	2013	0.07	Both	-
ER	ER-ratio	2006	0.099	-	-
TC	TC-MT	2013	1680		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2006	0.8		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2013	1.538		
F/Fmsy	F-1/yr/Fmsy-1/yr	2006	0.328		
ER/ERmsy	ER-ratio/ERmsy-ratio	2006	0.83		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2013	1.183		
F/Fmgt	FdivFmgt-dimensionless	2013	0.31		
ER/ERmgt	-	-	-		



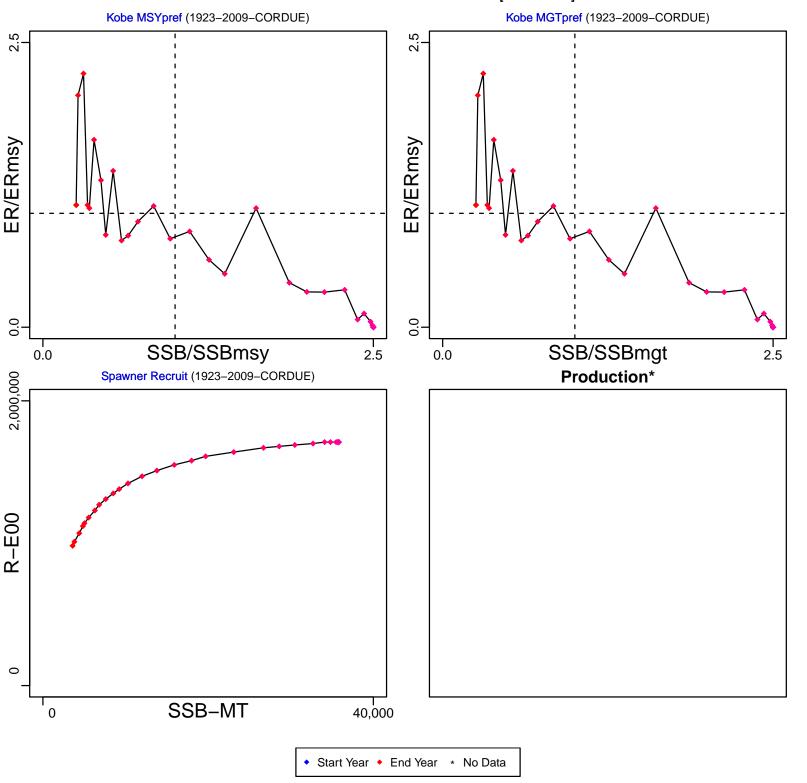


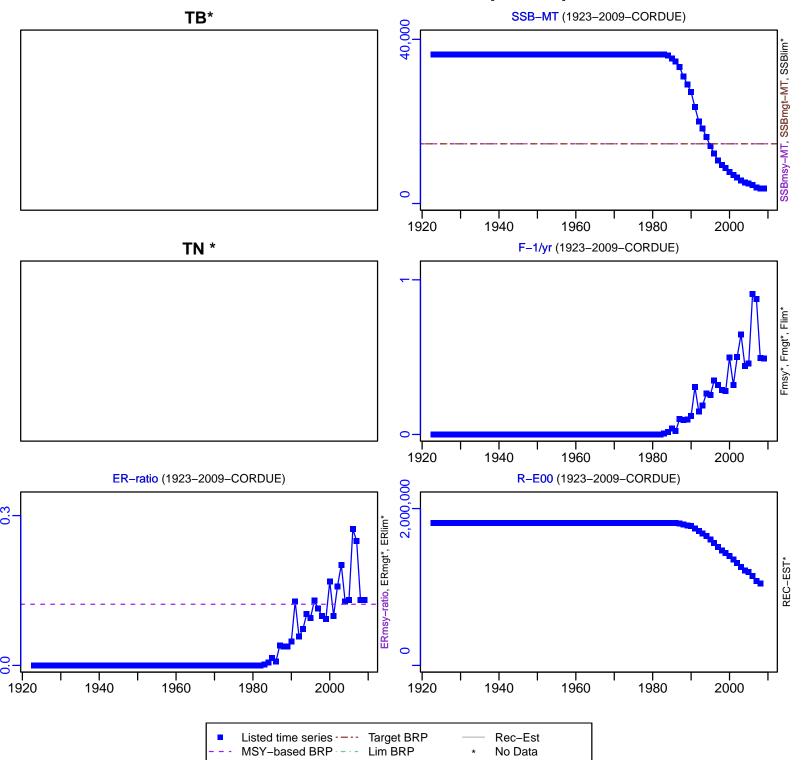


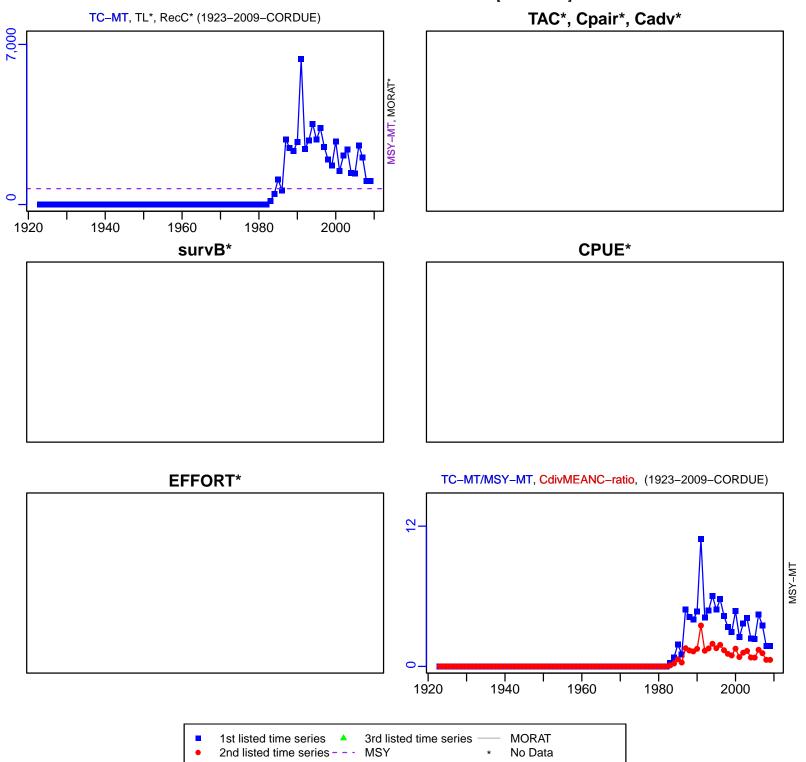
Metadata			
Scientific Name	Epigonus telescopus		
Current Assess ID	NIWA-BKCDLFENI-1923-2009-CORDUE		
Area	East coast of North Island		
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2009		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-MT	2009	6055		
SSBmsy	SSBmsy-MT	2009	14,322		
Fmsy	-	-	-		
ERmsy	ERmsy-ratio	2009	0.11		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2009	14,322		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	SSB0-MT	2009	35,804		
MSY	MSY-MT	2009	666		
М	M-1/yr	2009	0.04		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2009	3620	Both	39.5
TN	-	-	-	-	-
R	R-E00	2009	982,000	-	1
F	F-1/yr	2009	0.457	-	-
ER	ER-ratio	2009	0.118	-	-
TC	TC-MT	2009	980		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2009	0.253		
F/Fmsy	FdivFmsy-dimensionless	2009	4.16		
ER/ERmsy	ER-ratio/ERmsy-ratio	2009	1.073		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2009	0.253		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



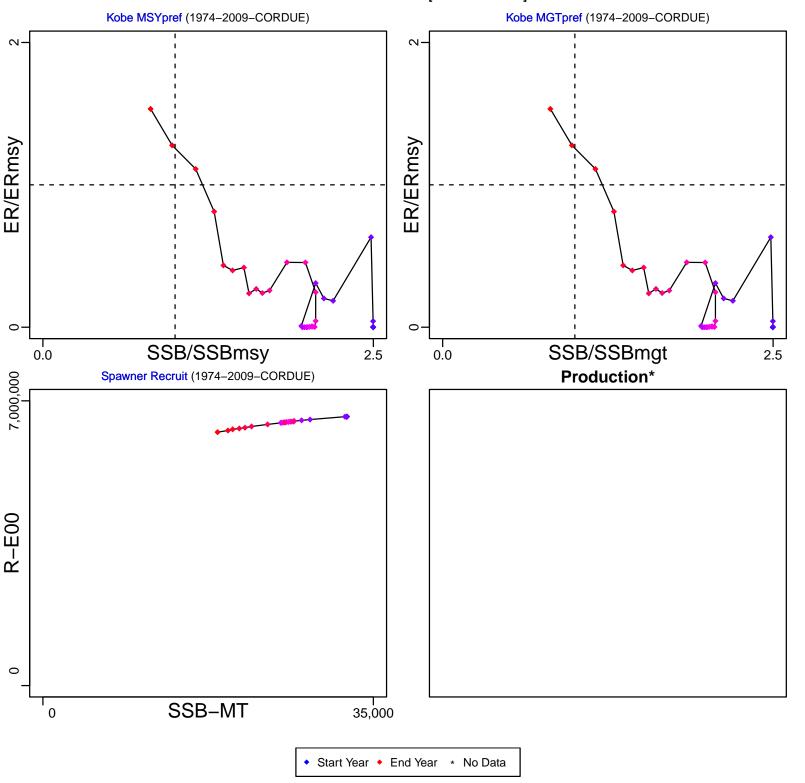


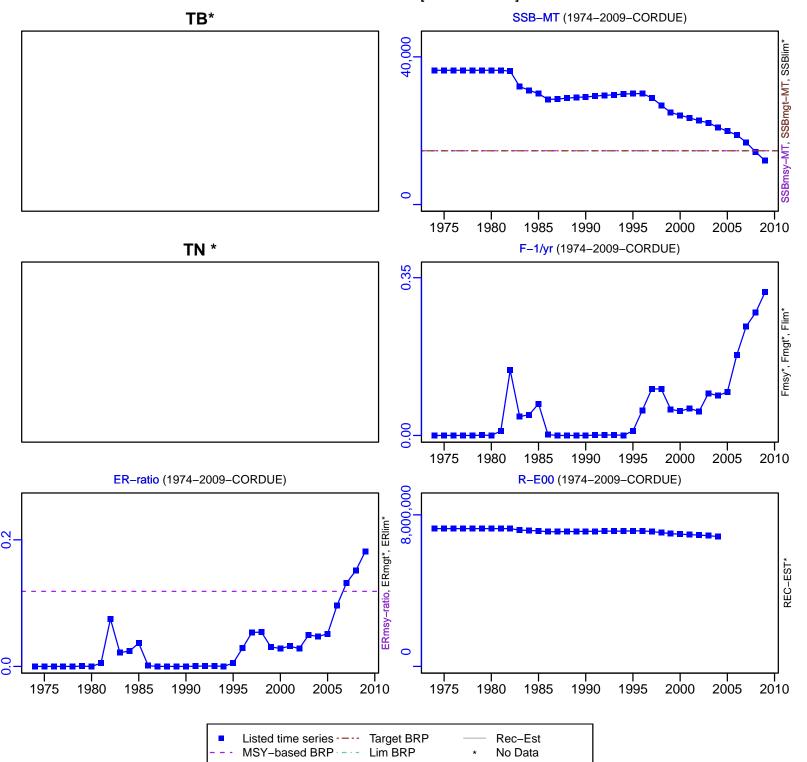


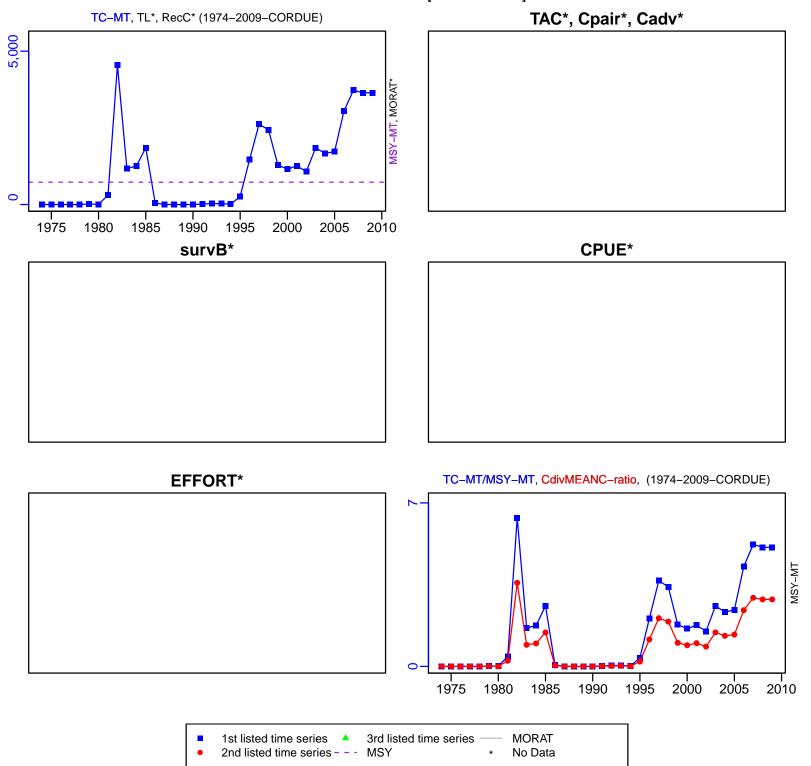
Metadata			
Scientific Name	Allocyttus niger		
Current Assess ID	NIWA-BLACKOREOPR-1974-2009-CORDUE		
Area	Pukaki Rise		
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2009		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-MT	2009	7444		
SSBmsy	SSBmsy-MT	2009	12,889		
Fmsy	-	-	-		
ERmsy	ERmsy-ratio	2009	0.09		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2009	12,889		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	SSB0-MT	2009	32,224		
MSY	MSY-MT	2009	670		
М	M-1/yr	2009	0.04		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2009	10,500	Both	37.7
TN	-	-	-	-	-
R	R-E00	2009	6,230,000	-	5
F	F-1/yr	2009	0.301	-	-
ER	ER-ratio	2009	0.138	-	-
TC	TC-MT	2009	3350		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2009	0.815		
F/Fmsy	FdivFmsy-dimensionless	2009	3.5		
ER/ERmsy	ER-ratio/ERmsy-ratio	2009	1.533		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2009	0.815		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



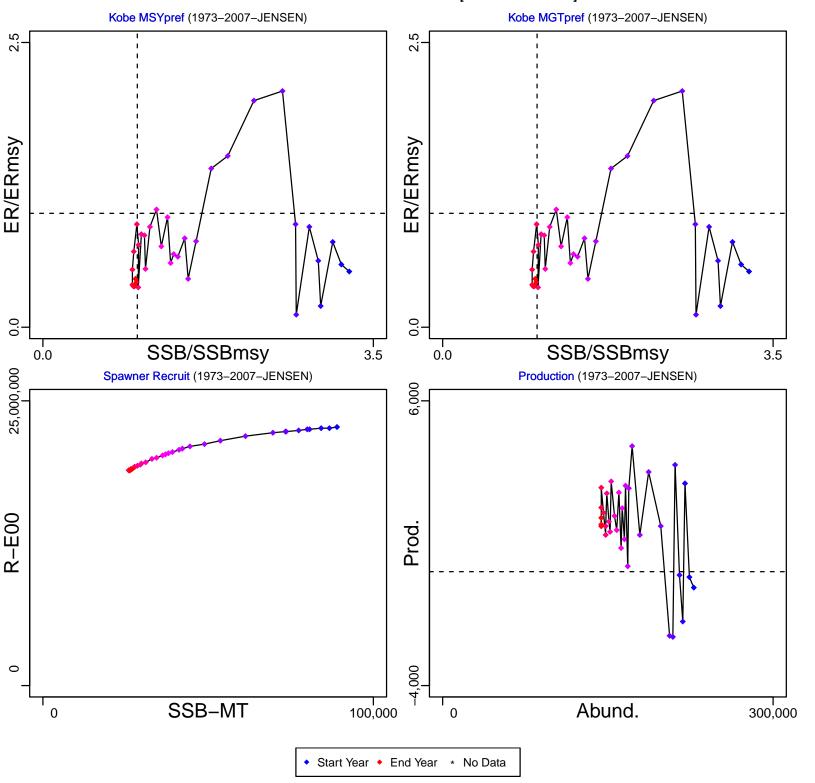


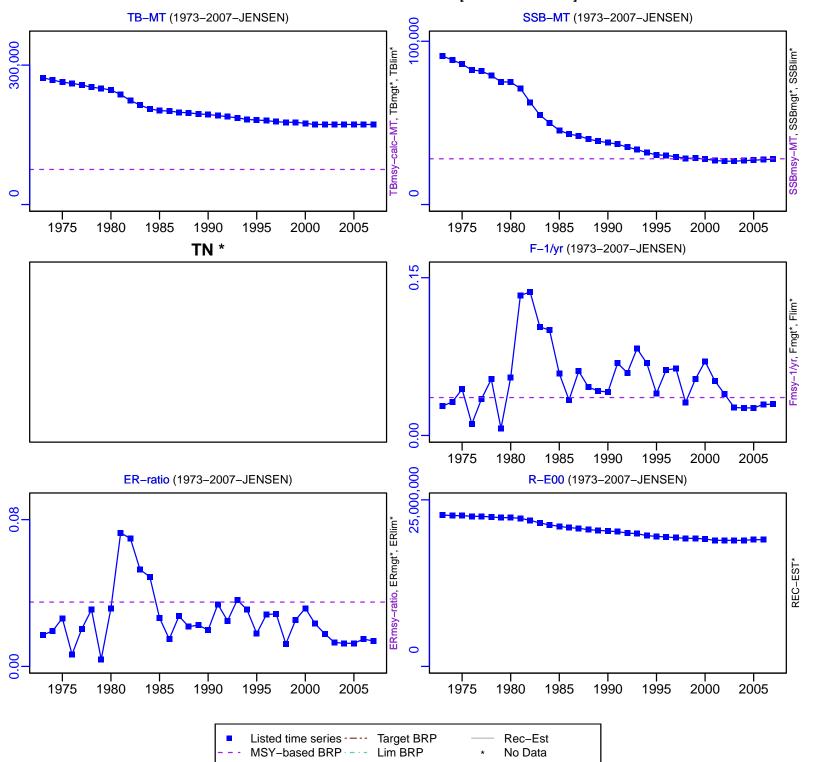


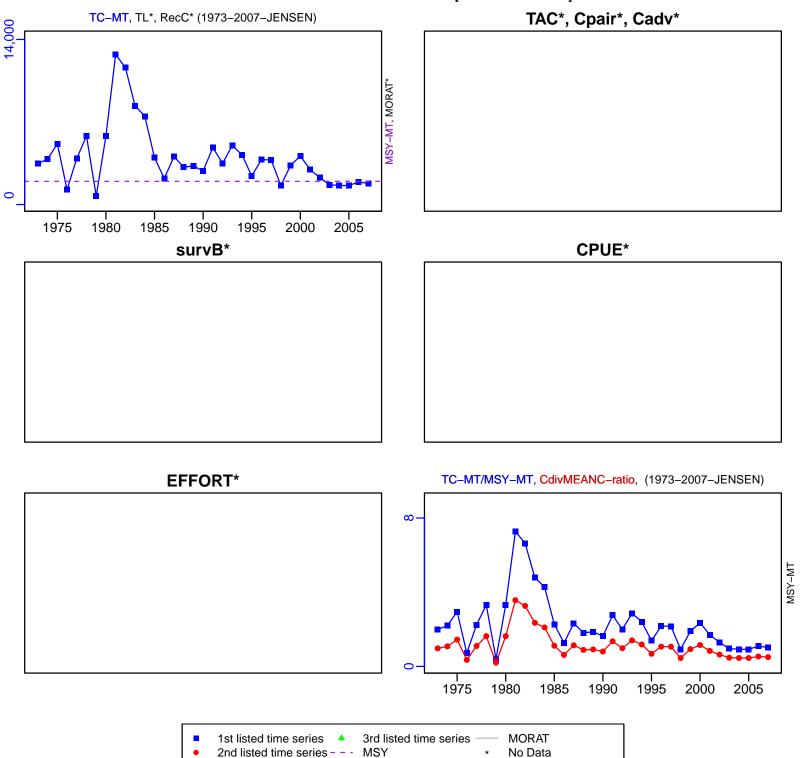
Metadata				
Scientific Name	Allocyttus niger			
Current Assess ID	NZMFishDEEPWATER-BLACKOREOWECR-1973-2007-JENSEN			
Area	West end of Chatham Rise			
Management Authority	Ministry of Fisheries, New Zealand national management			
Assessor	Deepwater Working Group			
Asmts in RAM	2007			

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2007	63,082
SSBmsy	SSBmsy-MT	2007	27,427
Fmsy	Fmsy-1/yr	2007	0.034
ERmsy	ERmsy-ratio	2007	0.031
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-MT	2007	88,923
MSY	MSY-MT	2007	1947
М	M-1/yr	2007	0.044
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2007	144,000	-	1
SSB	SSB-MT	2007	27,200	Both	-
TN	-	-	-	-	-
R	R-E00	2007	$1.9 \times 10^{7}$	-	1
F	F-1/yr	2007	0.028	-	-
ER	ER-ratio	2007	0.012	-	-
TC	TC-MT	2007	1770		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2007	2.283		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2007	0.992		
F/Fmsy	F-1/yr/Fmsy-1/yr	2007	0.824		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	0.395		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





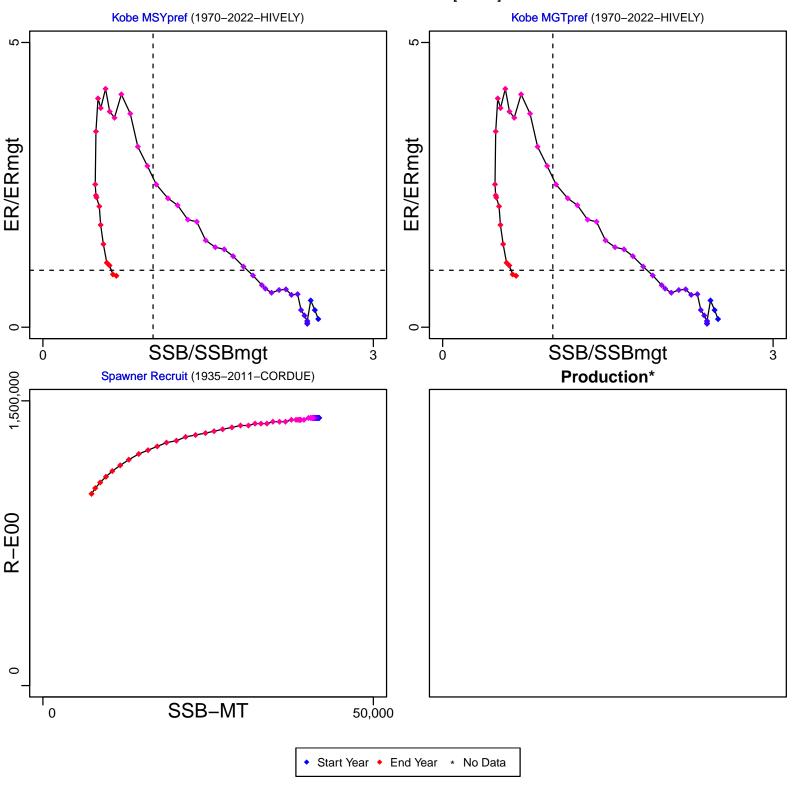


### Bluenose New Zealand [BNSNZ]

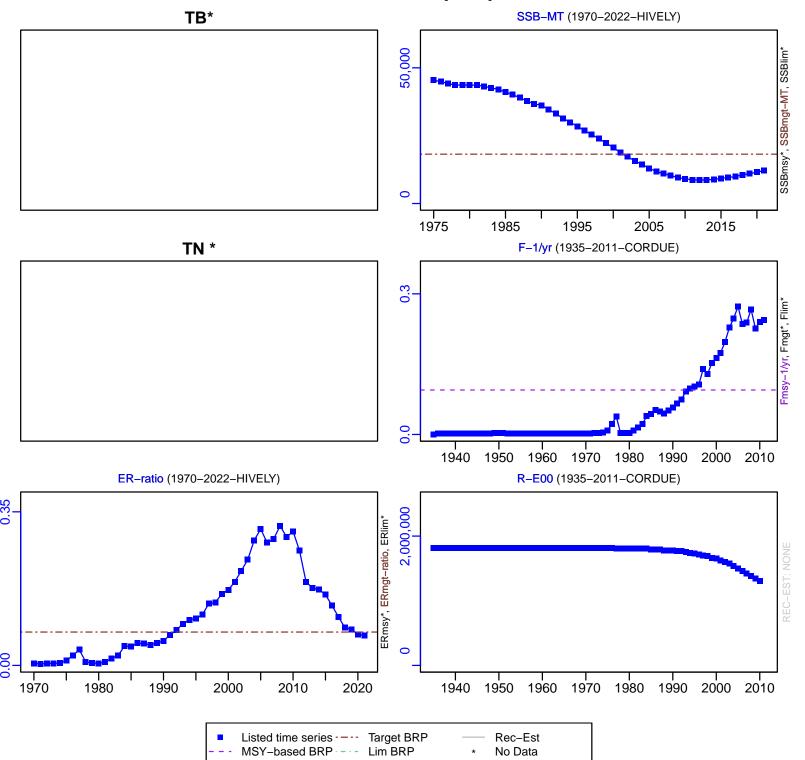
Metadata			
Scientific Name	Hyperoglyphe antarctica		
Current Assess ID	NZMFishINSHOREWG-BNSNZ-1970-2022-HIVELY		
Area	New Zealand		
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Inshore Working Group		
Asmts in RAM	2011, 2022		

	Reference Points			
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2011	23,867	
SSBmsy	SSBmsy-MT	2011	16,737	
Fmsy	Fmsy-1/yr	2011	0.08	
ERmsy	ERmsy-ratio	2011	0.051	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2022	14,795	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2022	0.07	
TB0	-	-	-	
SSB0	SSB0-MT	2011	41,843	
MSY	MSY-MT	2011	1209	
М	M-1/yr	2011	0.08	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

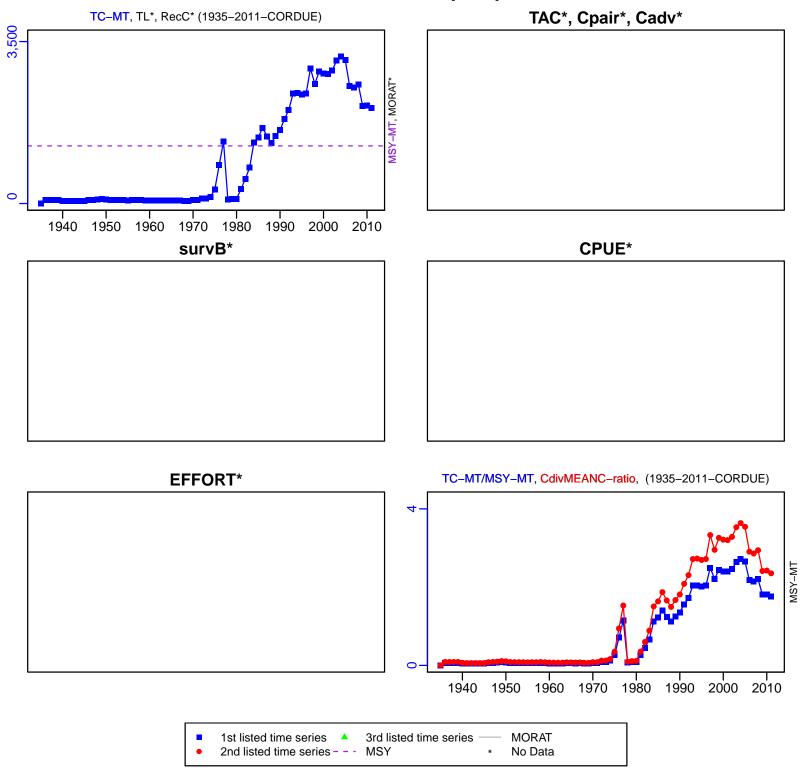
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2022	9862	-	-
TN	-	-	-	-	-
R	R-E00	2011	1,010,000	-	1
F	F-1/yr	2011	0.206	-	-
ER	ER-ratio	2022	0.063	-	-
TC	TC-MT	2011	2000		
TL	TL-MT	2022	475		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2011	0.408		
F/Fmsy	FdivFmsy-dimensionless	2011	2.71		
ER/ERmsy	ER-ratio/ERmsy-ratio	2011	2.507		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2022	0.667		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



#### **Bluenose New Zealand [BNSNZ]**



#### Bluenose New Zealand [BNSNZ]

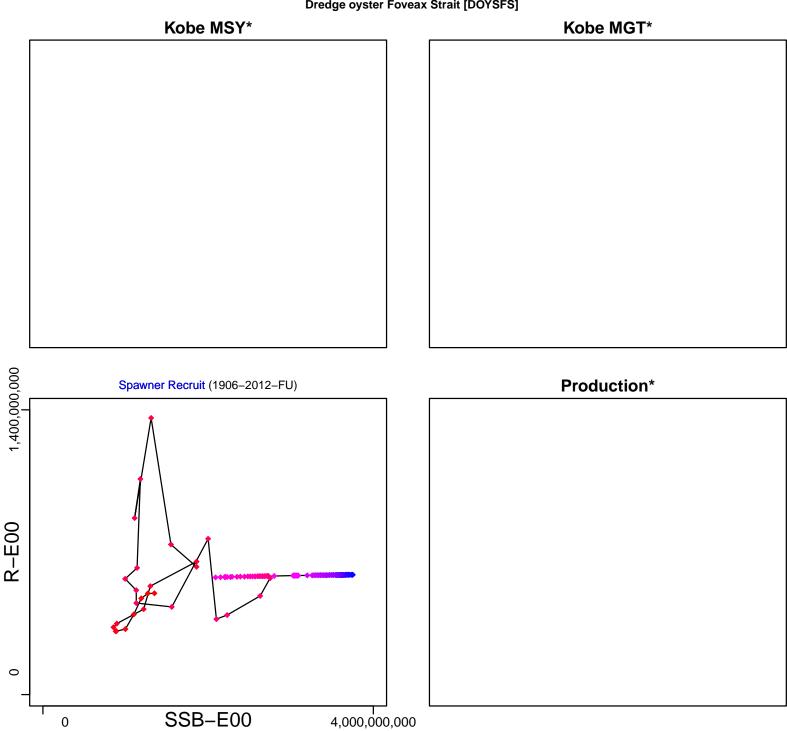


## **Dredge oyster Foveax Strait [DOYSFS]**

Metadata			
Scientific Name	Ostrea chilensis		
Current Assess ID	NIWA-DOYSFS-1906-2012-FU		
Area	Foveax Strait		
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2012		

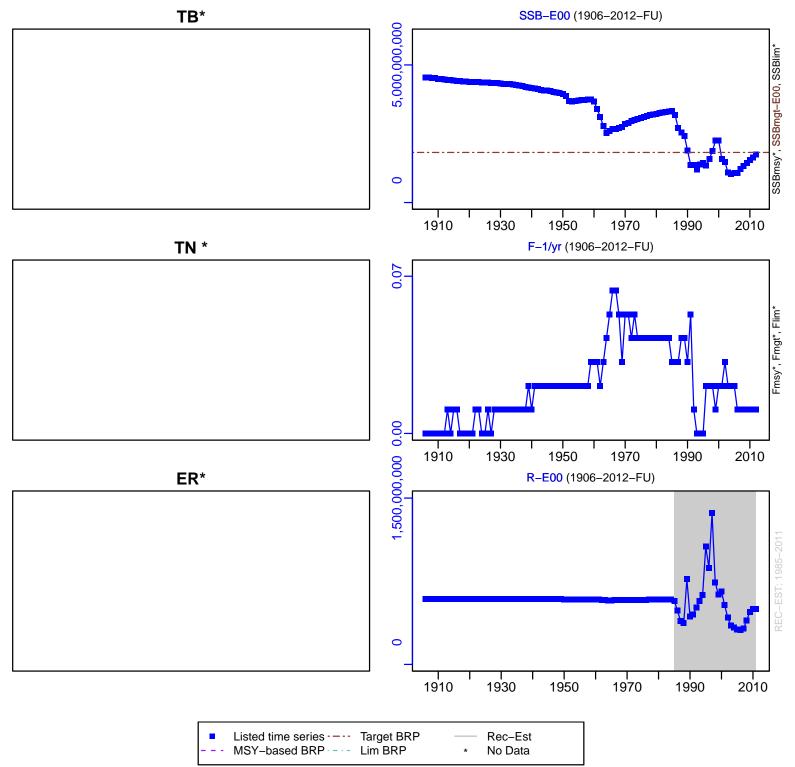
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-E00	2012	1,501,772,000
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2012	0.1
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

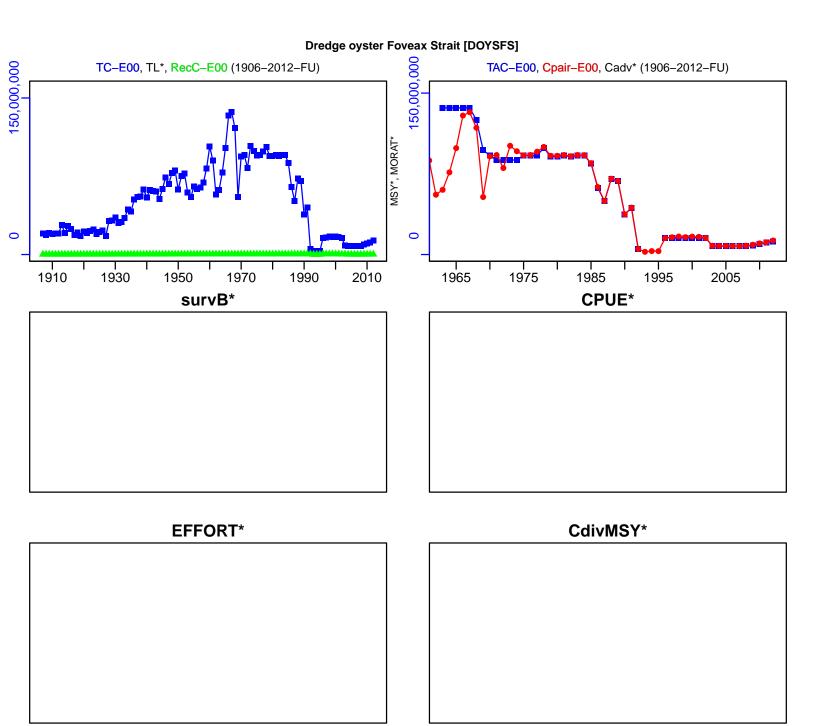
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-E00	2012	$1.44 \times 10^{9}$	-	-
TN	-	-	-	-	-
R	R-E00	2012	$4.98 \times 10^{8}$	Both	-
F	F-1/yr	2012	0.01	Both	-
ER	-	-	-	-	-
TC	TC-E00	2012	12,600,000		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSBdivSSBmgt-dimensionless	2012	0.9		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



Start Year ◆ End Year \* No Data

### Dredge oyster Foveax Strait [DOYSFS]

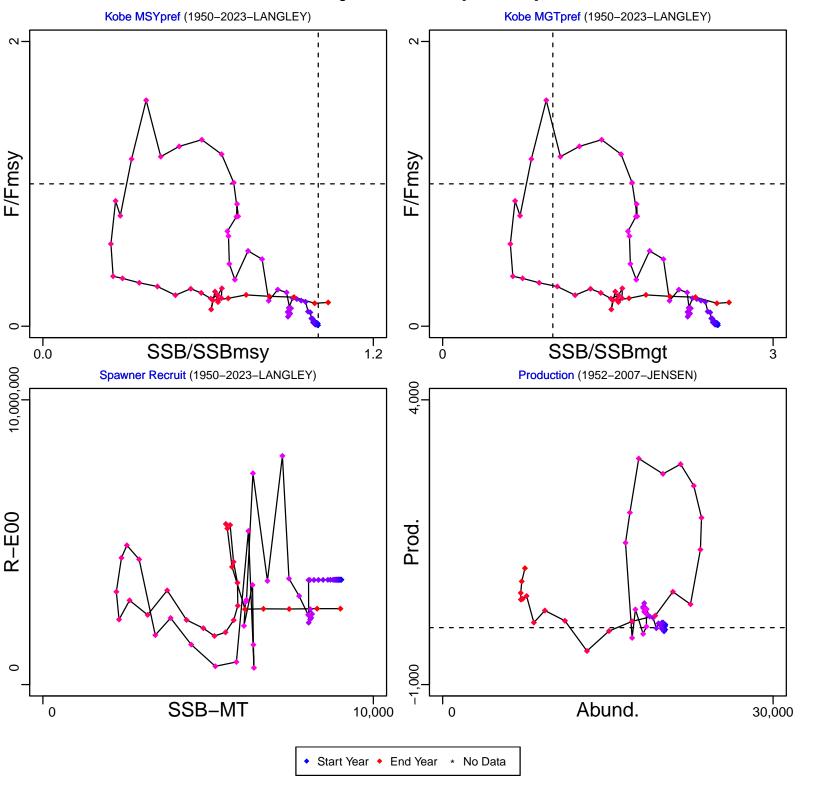


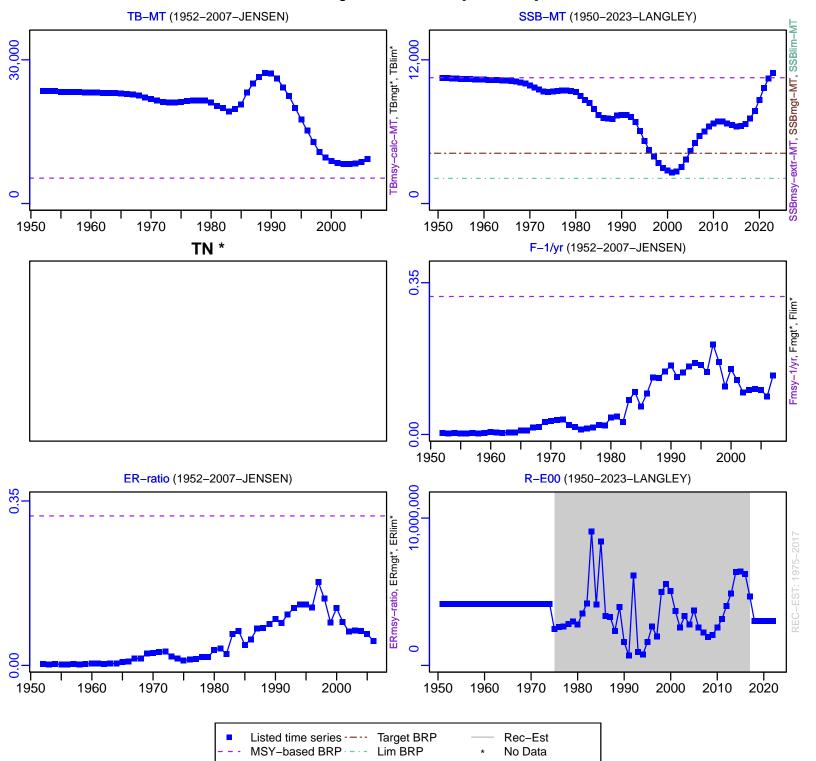


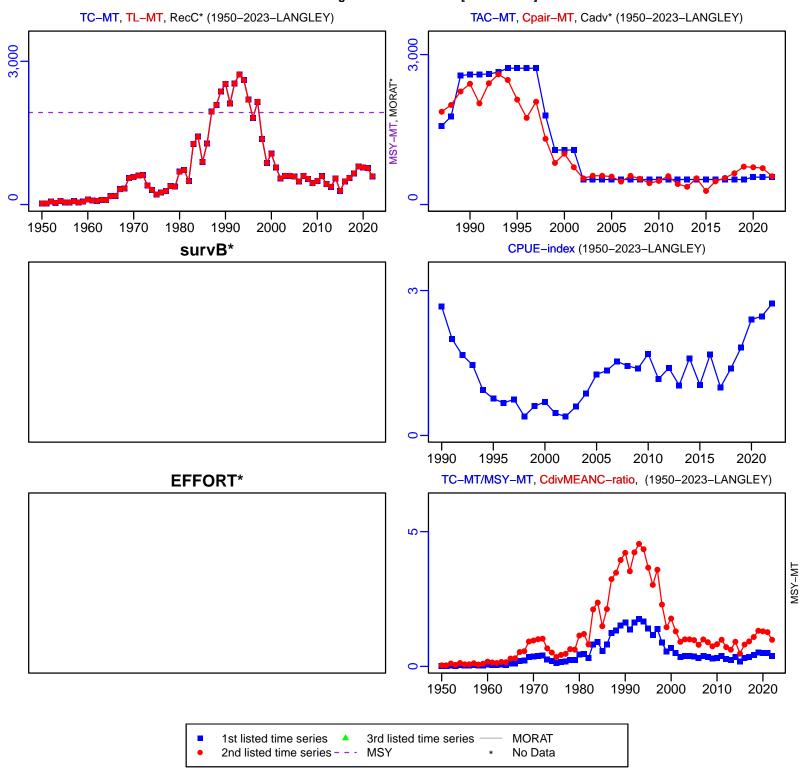
Metadata			
Scientific Name	Rexea solandri		
Current Assess ID	NZMFishMIDDEPTHSWG-GEMFISHNZ-1950-2023-LANGLEY		
Area	New Zealand		
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Middle Depths Working Group		
Asmts in RAM	2023, 2007		

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2007	4565
SSBmsy	SSBmsy-extr-MT	2023	9052
Fmsy	Fmsy-1/yr	2007	0.29
ERmsy	ERmsy-ratio	2007	0.314
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2023	3616
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-MT	2007	11,485
MSY	MSY-MT	2023	1655
М	M-1/yr	2023	0.25
TBlim	-	-	-
SSBlim	SSBlim-MT	2023	1808
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2007	8020	-	1
SSB	SSB-MT	2023	9401	Females	-
TN	-	-	-	-	-
R	R-E00	2023	2,666,000	Both	-
F	F-1/yr	2007	0.124	-	-
ER	ER-ratio	2007	0.051	-	-
TC	TC-MT	2023	508		
TL	TL-MT	2023	508		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2007	1.757	]	
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2023	1.036		
F/Fmsy	FdivFmsy-dimensionless	2023	0.167		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	0.164		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2023	2.6		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



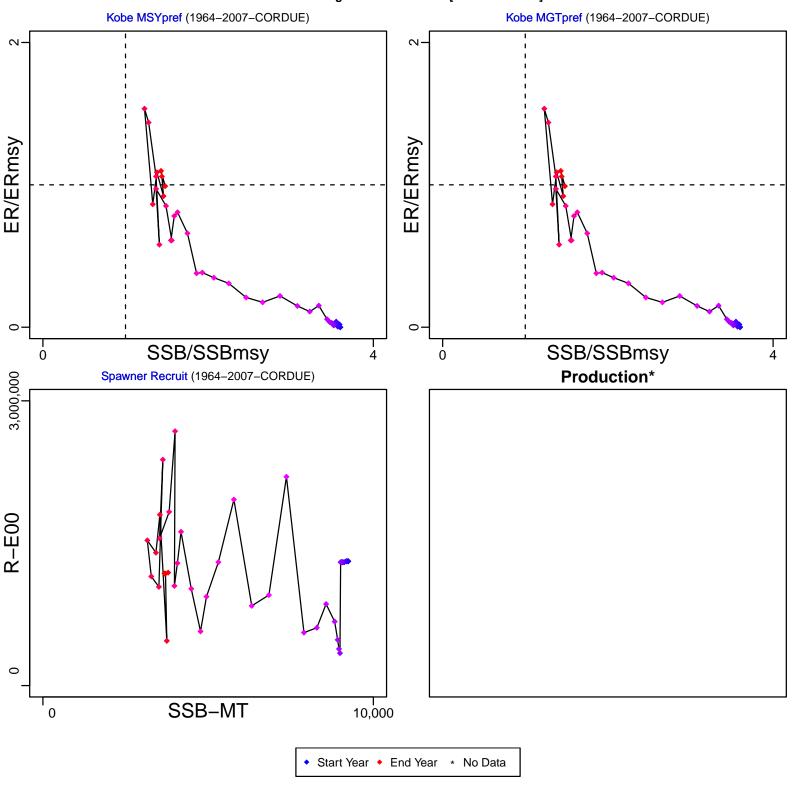


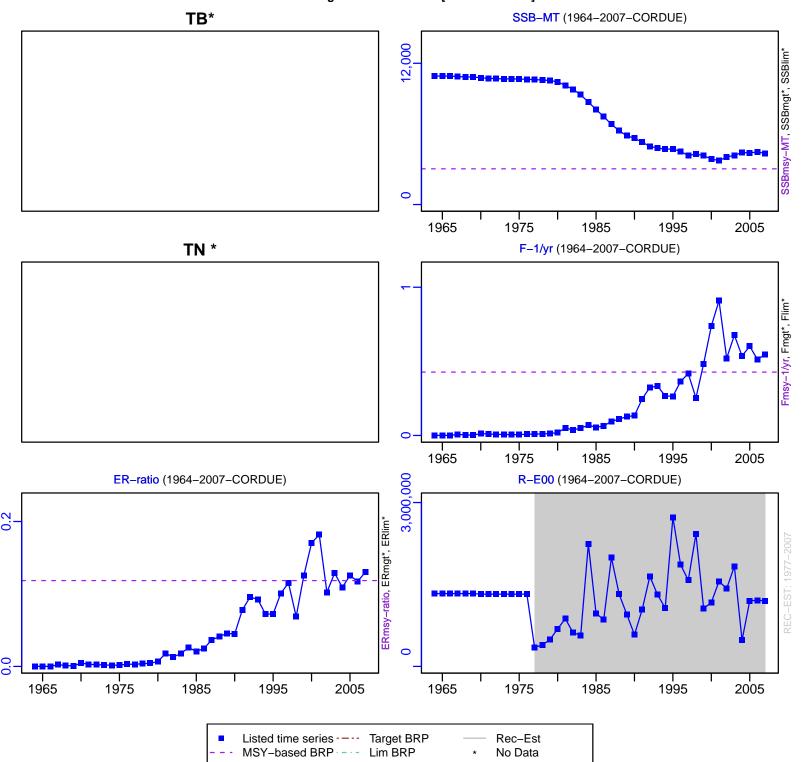


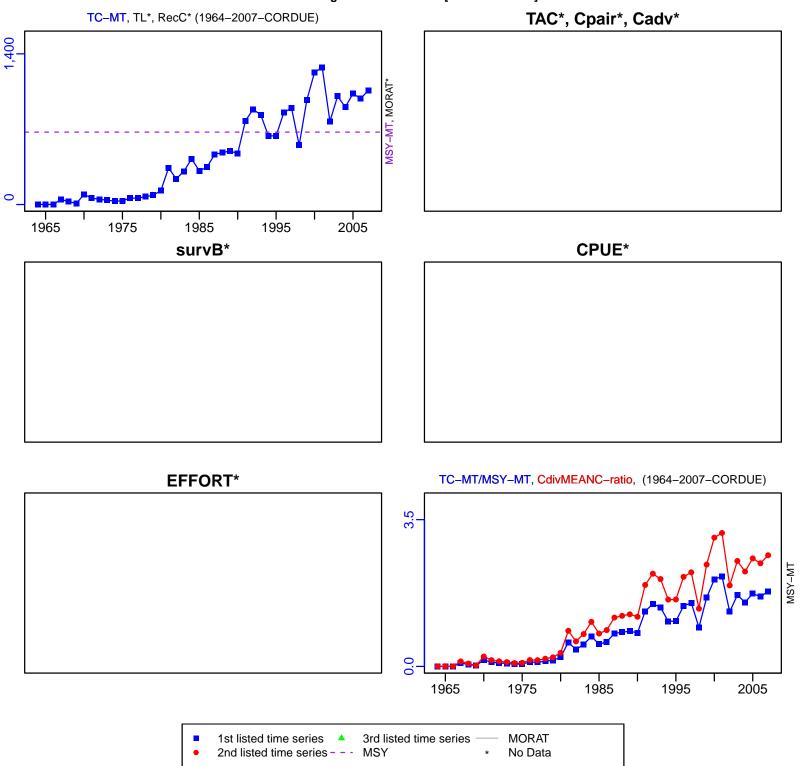
Metadata			
Scientific Name	Kathetostoma giganteum		
Current Assess ID	NIWA-GSTRGZRSTA7-1964-2007-CORDUE		
Area	NZ Area STA7		
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2007		

Reference Points				
Type	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2007	5906	
SSBmsy	SSBmsy-MT	2007	2568	
Fmsy	Fmsy-1/yr	2007	0.38	
ERmsy	ERmsy-ratio	2007	0.103	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2007	9237	
MSY	MSY-MT	2007	608	
М	M-1/yr	2007	0.18	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2007	3680	Both	-
TN	-	-	-	-	-
R	R-E00	2007	1,180,000	-	0
F	F-1/yr	2007	0.486	-	-
ER	ER-ratio	2007	0.113	-	-
TC	TC-MT	2007	958		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2007	1.43		
F/Fmsy	FdivFmsy-dimensionless	2007	1.28		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	1.098		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





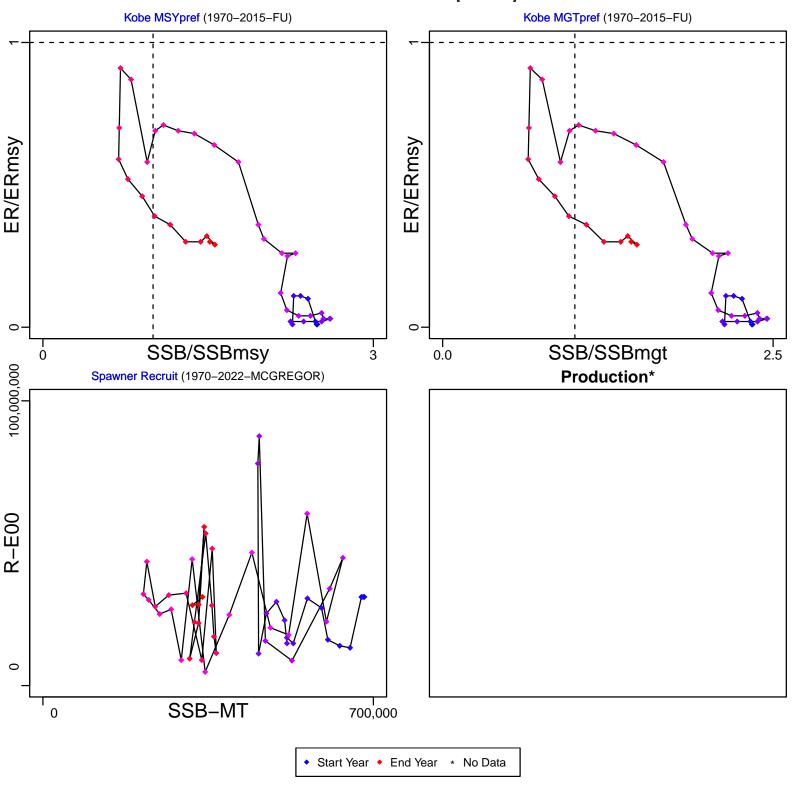


### Hoki Eastern New Zealand [HOKIENZ]

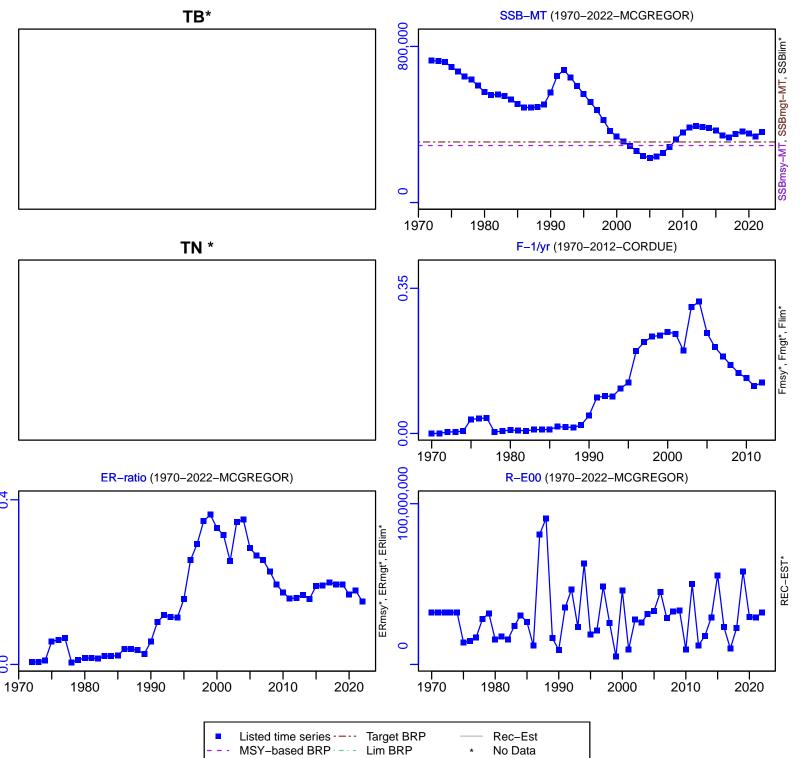
Metadata		
Scientific Name Macruronus novaezelandiae		
Current Assess ID	NIWA-HOKIENZ-1970-2022-MCGREGOR	
Area	Eastern New Zealand	
Management Authority	Ministry of Fisheries, New Zealand national management	
Assessor	National Institute of Water and Atmospheric Research	
Asmts in RAM	2012, 2015, 2021, 2022	

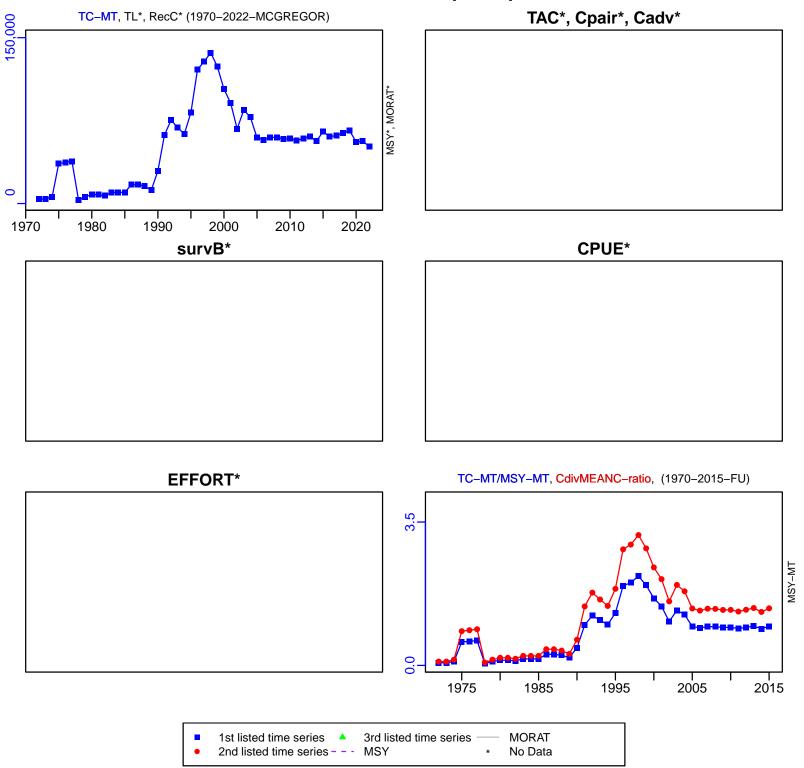
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2015	252,069	
SSBmsy	SSBmsy-MT	2022	273,446	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2015	0.29	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2022	290,536	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2022	683,616	
MSY	MSY-MT	2015	73,100	
М	M-1/yr	2015	0.29	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2022	337,886	-	2+
TN	-	-	-	-	-
R	R-E00	2022	31,136,300	-	-
F	F-1/yr	2012	0.107	-	-
ER	ER-ratio	2022	0.151	-	-
TC	TC-MT	2022	51,200		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2022	1.236		
F/Fmsy	FdivFmsy-dimensionless	2012	0.382		
ER/ERmsy	ERdivERmsy-dimensionless	2015	0.3		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2022	1.163		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



#### Hoki Eastern New Zealand [HOKIENZ]



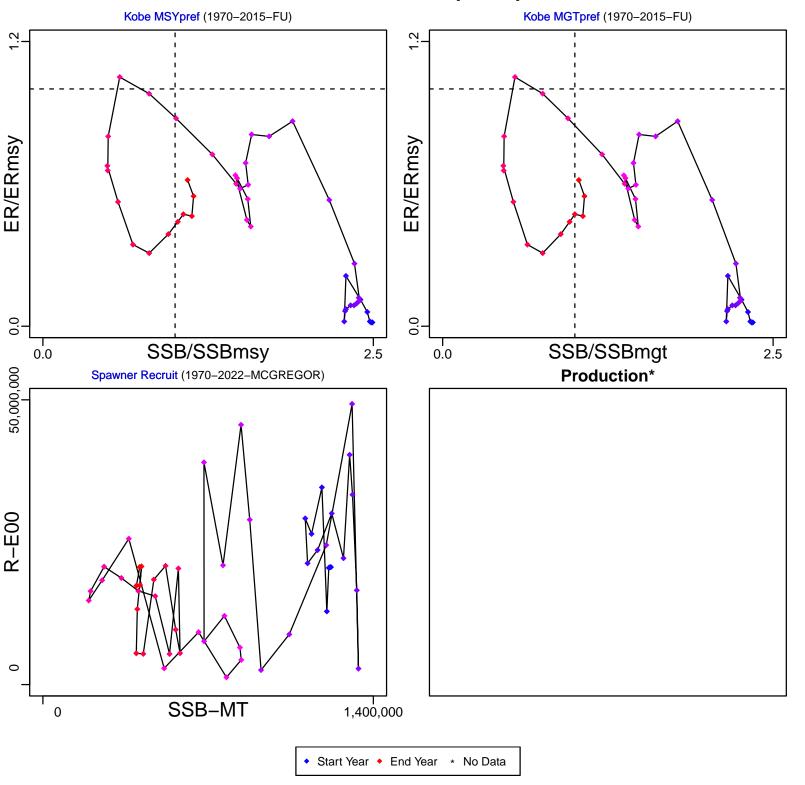


# Hoki Western New Zealand [HOKIWNZ]

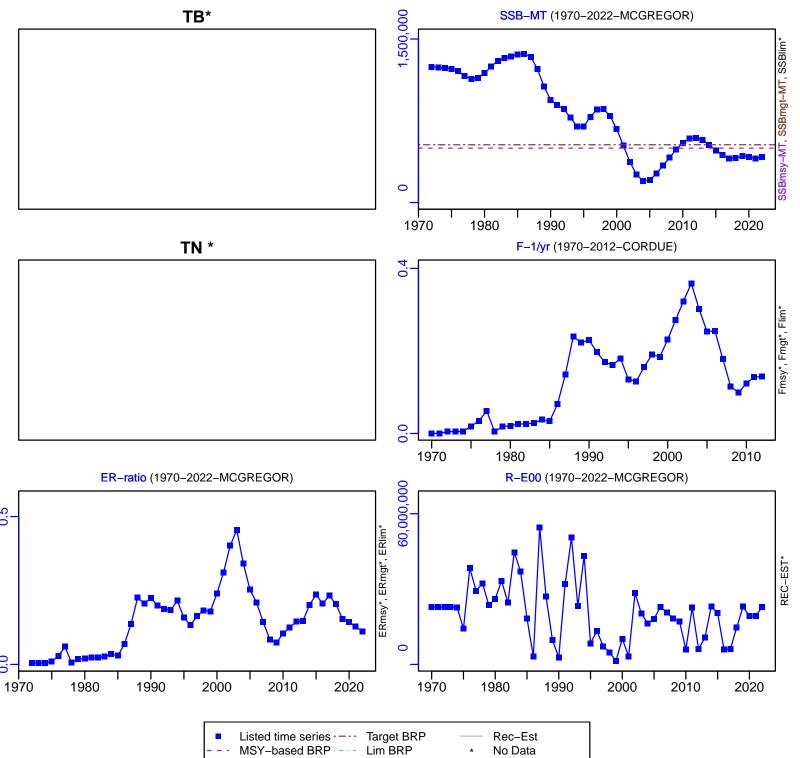
Metadata			
Scientific Name	Macruronus novaezelandiae		
Current Assess ID	NIWA-HOKIWNZ-1970-2022-MCGREGOR		
Area Western New Zealand			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2012, 2015, 2022, 2021		

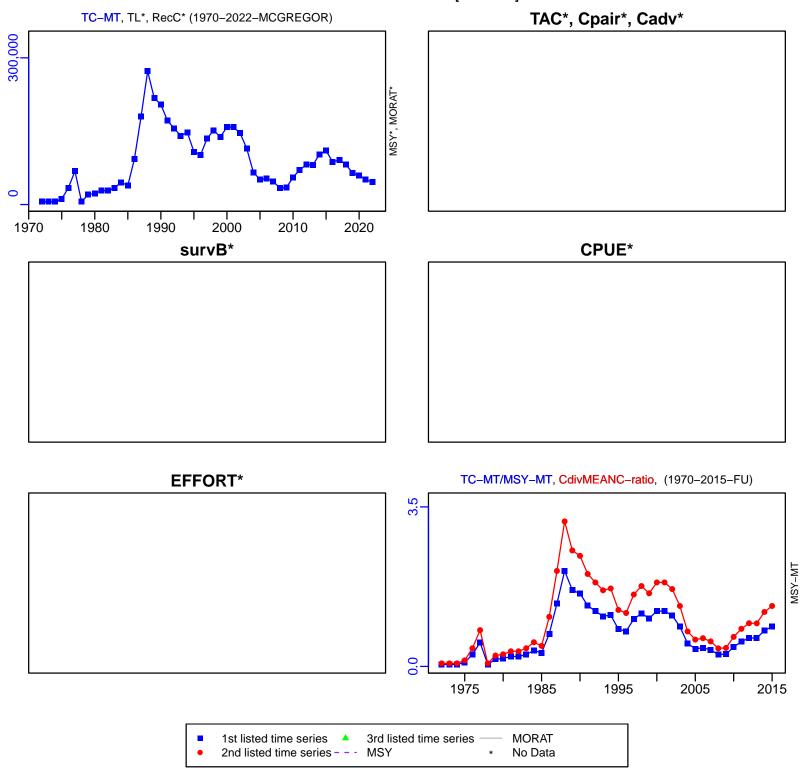
	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-calc-MT	2015	479,200		
SSBmsy	SSBmsy-MT	2022	489,156		
Fmsy	-	-	-		
ERmsy	ERmsy-ratio	2015	0.25		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2022	519,728		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	SSB0-MT	2022	1,222,890		
MSY	MSY-MT	2015	119,800		
M	M-1/yr	2015	0.29		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2022	410,298	-	2+
TN	-	-	-	-	-
R	R-E00	2022	20,653,700	-	-
F	F-1/yr	2012	0.137	-	-
ER	ER-ratio	2022	0.099	-	-
TC	TC-MT	2022	40,500		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2022	0.839		
F/Fmsy	FdivFmsy-dimensionless	2012	0.547		
ER/ERmsy	ERdivERmsy-dimensionless	2015	0.616		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2022	0.789		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



#### Hoki Western New Zealand [HOKIWNZ]

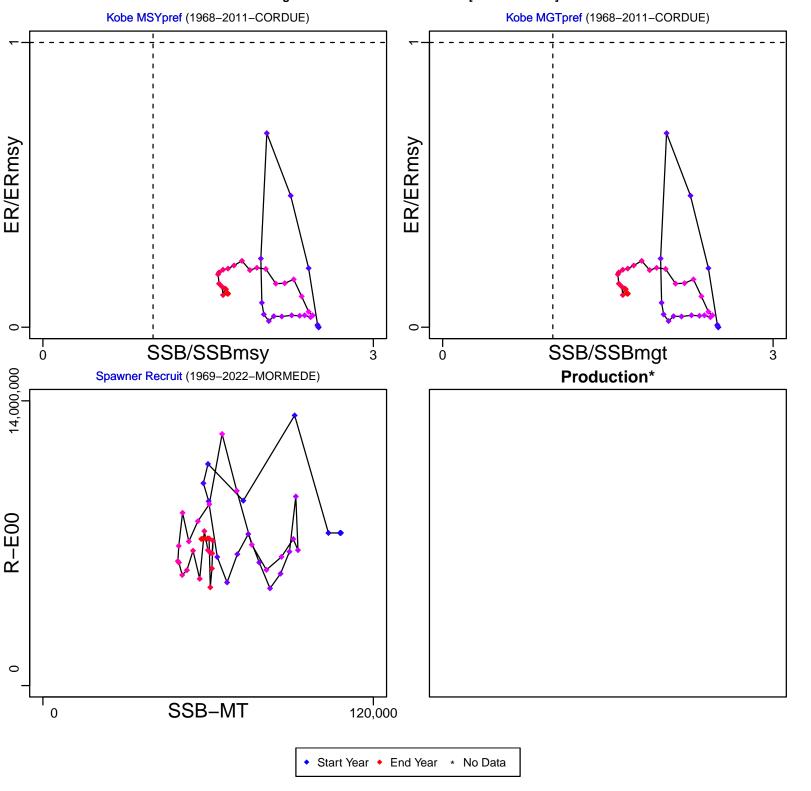


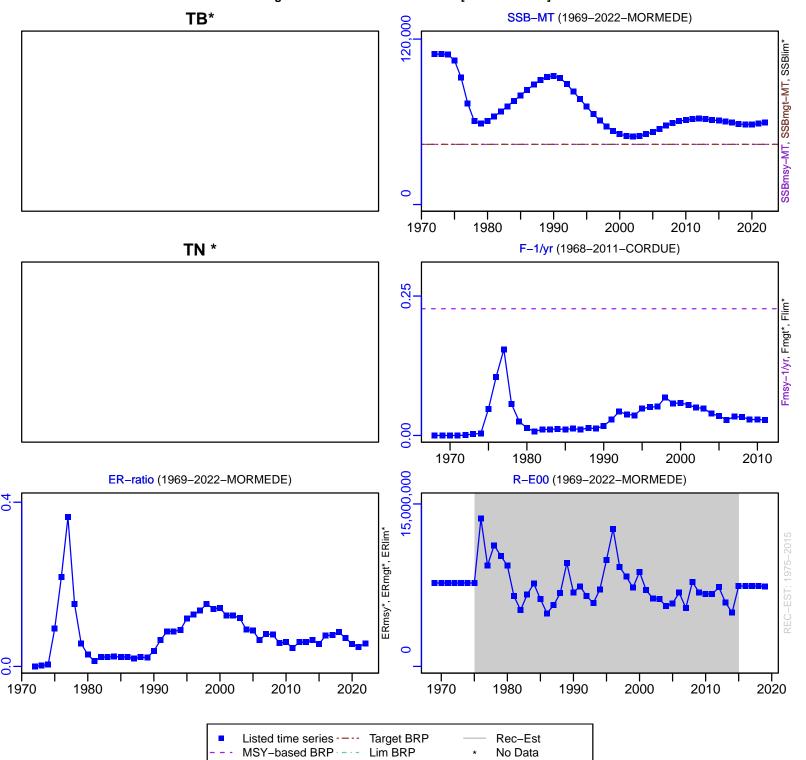


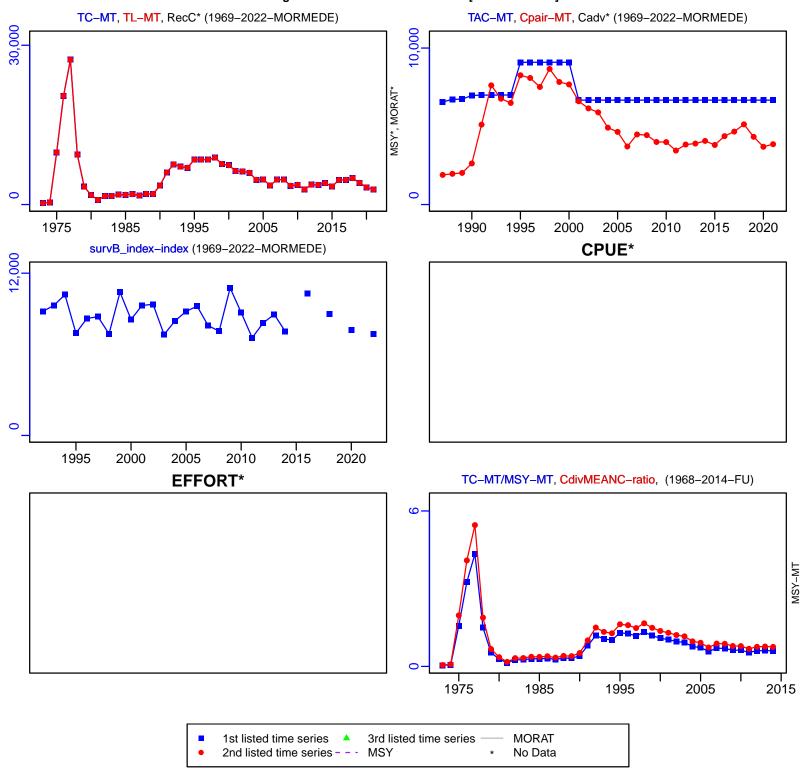
Metadata			
Scientific Name	Genypterus blacodes		
Current Assess ID	NIWA-NZLINGLIN3-4-1969-2022-MORMEDE		
Area New Zealand Areas LIN 3 and 4			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2011, 2014, 2022, 2019		

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2014	17,362
SSBmsy	SSBmsy-MT	2022	43,290
Fmsy	Fmsy-1/yr	2011	0.19
ERmsy	ERmsy-ratio	2014	0.37
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2022	43,290
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-MT	2022	108,224
MSY	MSY-MT	2014	6424
М	M-1/yr	2022	0.156
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2022	58,865	Both	-
TN	-	-	-	-	-
R	R-E00	2022	7,208,380	Both	3
F	F-1/yr	2011	0.023	-	-
ER	ER-ratio	2022	0.055	Both	-
TC	TC-MT	2022	2723		
TL	TL-MT	2022	2723		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2022	1.36		
F/Fmsy	FdivFmsy-dimensionless	2011	0.123		
ER/ERmsy	ER-ratio/ERmsy-ratio	2011	0.117		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2022	1.36		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



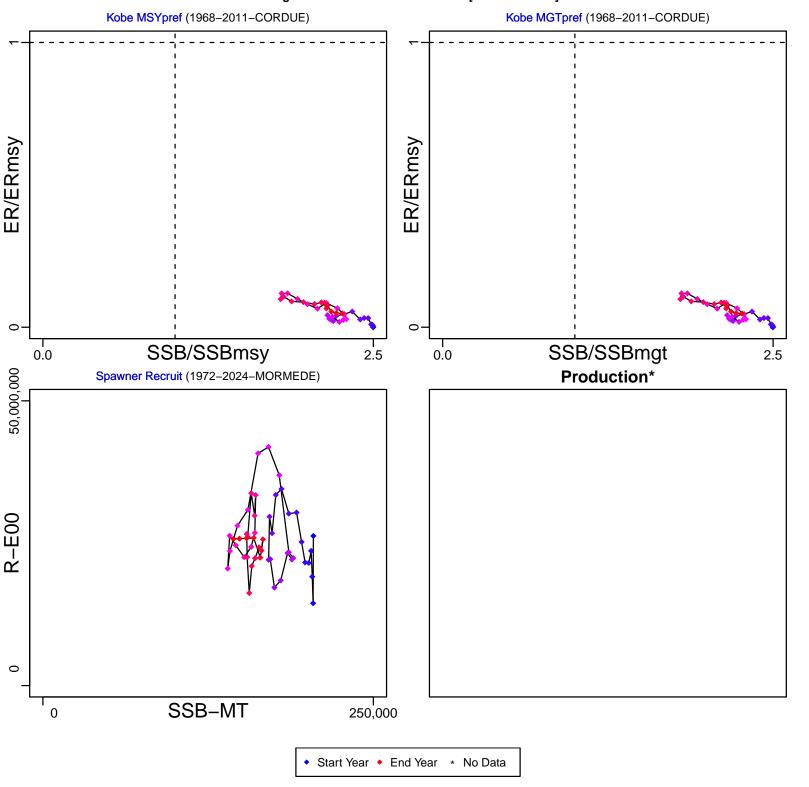


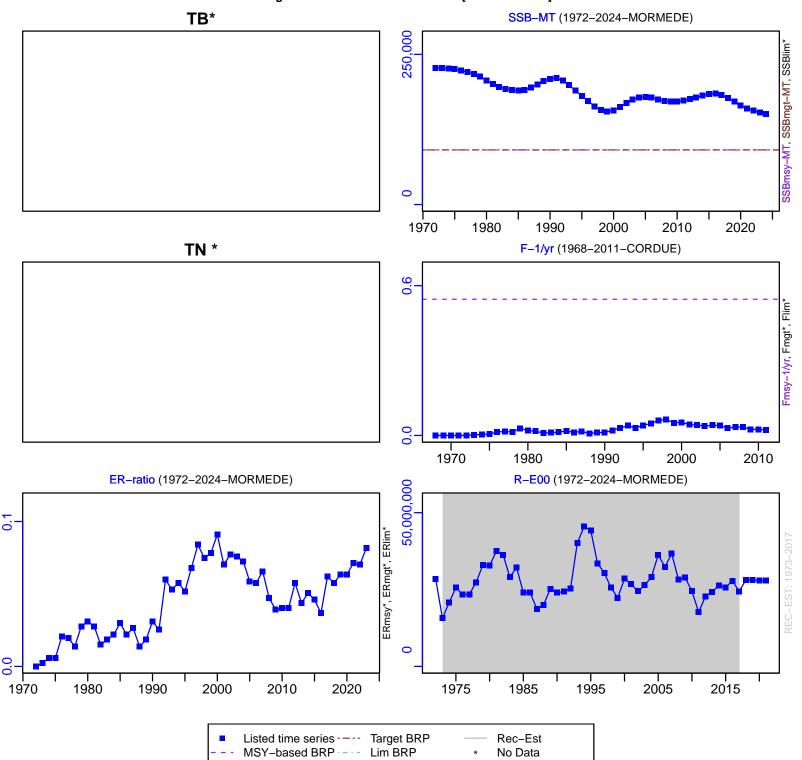


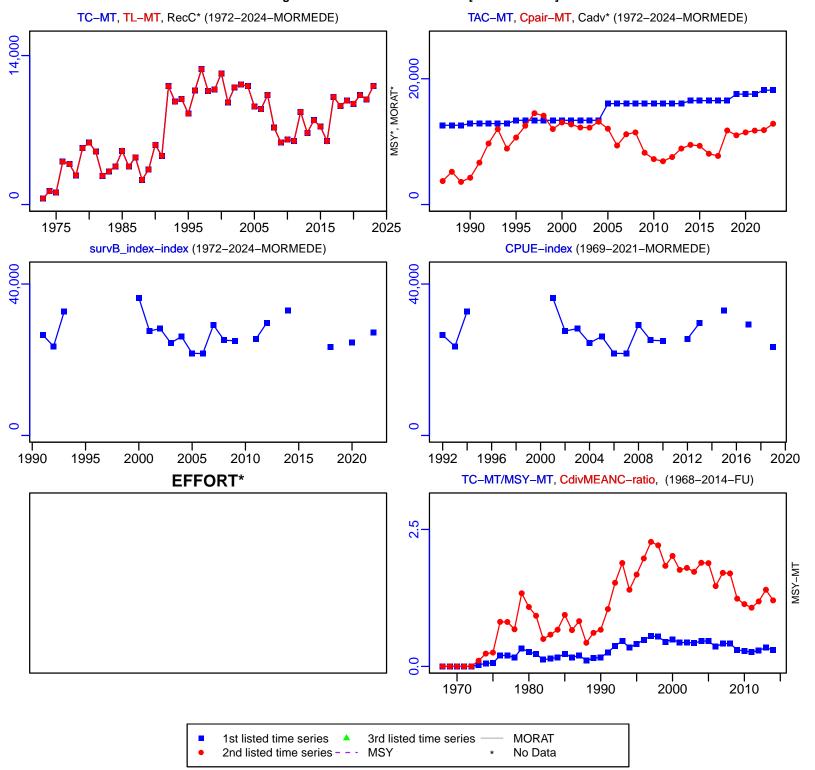
Metadata			
Scientific Name	Genypterus blacodes		
Current Assess ID	NIWA-NZLINGLIN5-6-1972-2024-MORMEDE		
Area	New Zealand Areas LIN 5 and 6		
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2011, 2014, 2021, 2019, 2024		

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2011	159,694
SSBmsy	SSBmsy-MT	2024	81,851
Fmsy	Fmsy-1/yr	2011	0.49
ERmsy	ERmsy-ratio	2011	0.162
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2024	81,851
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-MT	2024	204,628
MSY	MSY-MT	2014	23,827
М	M-1/yr	2024	0.18
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2024	135,911	-	3-28+
TN	-	-	-	-	-
R	R-E00	2024	25,750,250	-	3
F	F-1/yr	2011	0.02	-	-
ER	ER-ratio	2024	0.071	-	3-28+
TC	TC-MT	2024	9946		
TL	TL-MT	2024	9946		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2024	1.66		
F/Fmsy	FdivFmsy-dimensionless	2011	0.041		
ER/ERmsy	ER-ratio/ERmsy-ratio	2011	0.048		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2024	1.66		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



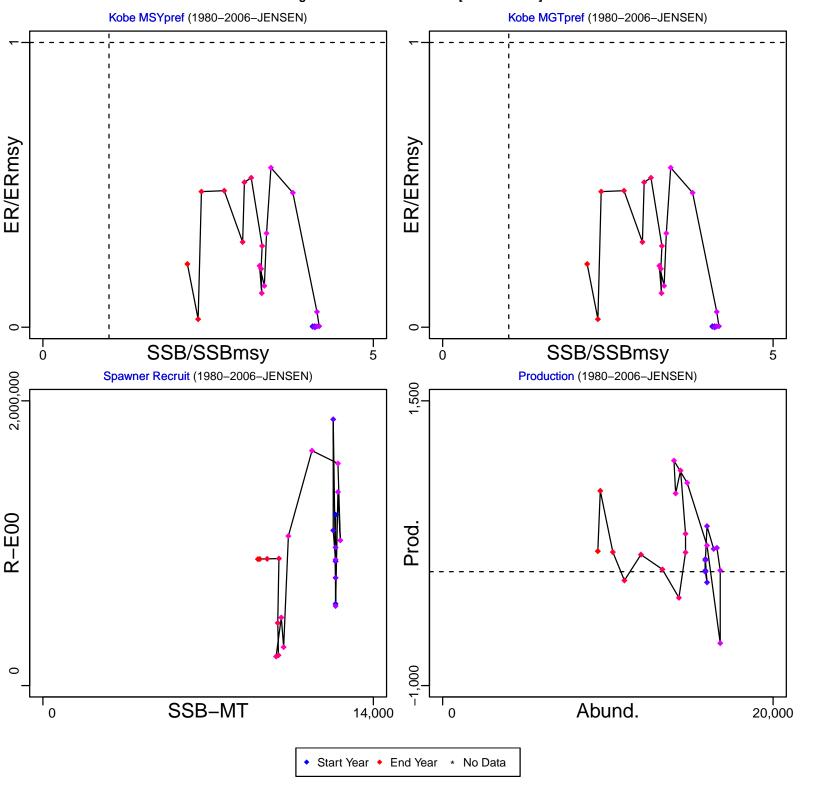


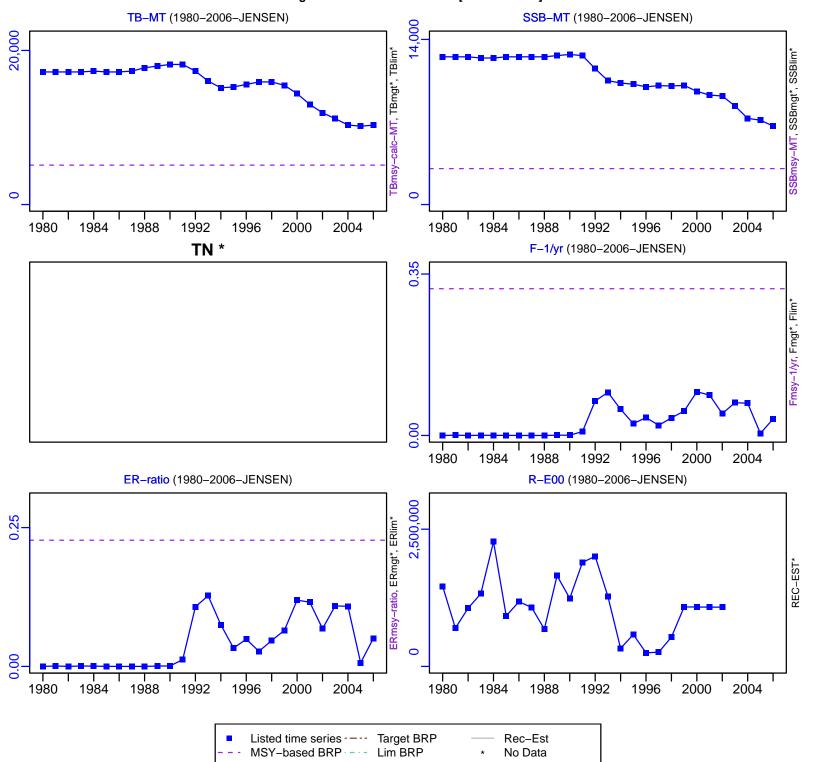


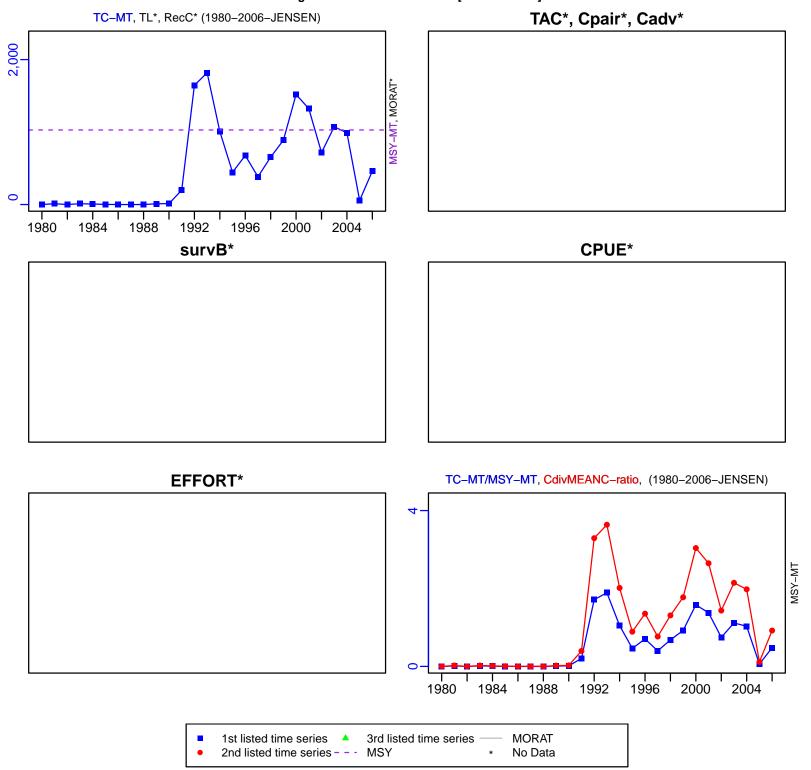
Metadata			
Scientific Name	Genypterus blacodes		
Current Assess ID	NZMFishMIDDEPTHSWG-NZLINGLIN6b-1980-2006-JENSEN		
Area New Zealand Areas LIN 6b			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Middle Depths Working Group		
Asmts in RAM	2006		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-calc-MT	2006	4725		
SSBmsy	SSBmsy-MT	2006	3014		
Fmsy	Fmsy-1/yr	2006	0.308		
ERmsy	ERmsy-ratio	2006	0.189		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	SSB0-MT	2006	12,363		
MSY	MSY-MT	2006	894		
M	M-1/yr	2006	0.18		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2006	9520	-	3
SSB	SSB-MT	2006	6590	Both	-
TN	-	-	-	-	-
R	R-E00	2006	888,000	-	3
F	F-1/yr	2006	0.035	-	-
ER	ER-ratio	2006	0.042	-	-
TC	TC-MT	2006	400		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2006	2.015		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2006	2.186		
F/Fmsy	F-1/yr/Fmsy-1/yr	2006	0.113		
ER/ERmsy	ER-ratio/ERmsy-ratio	2006	0.222		
TB/TBmgt		-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



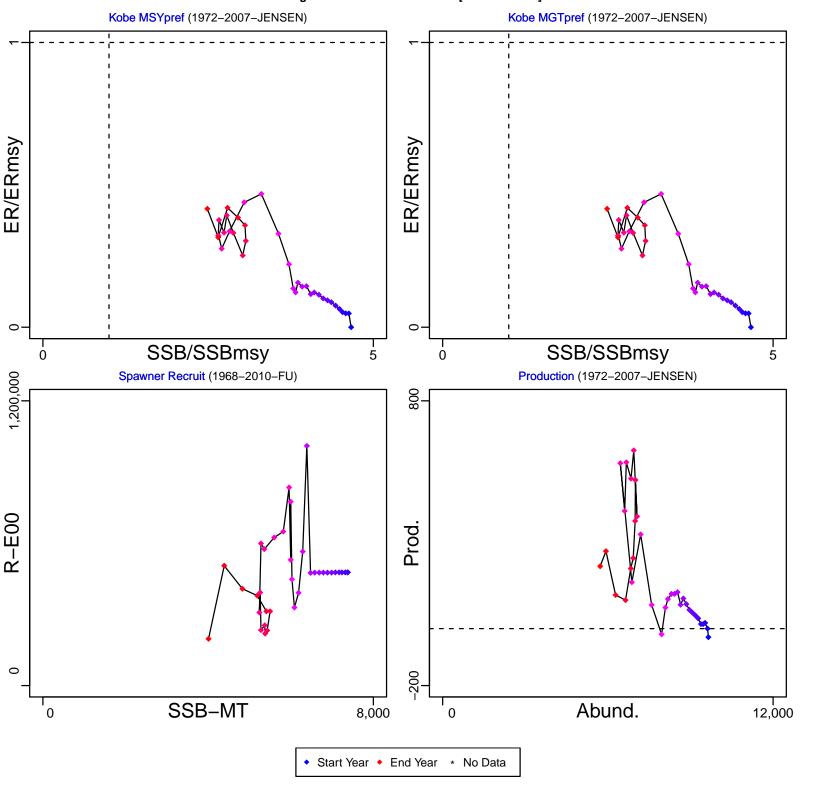


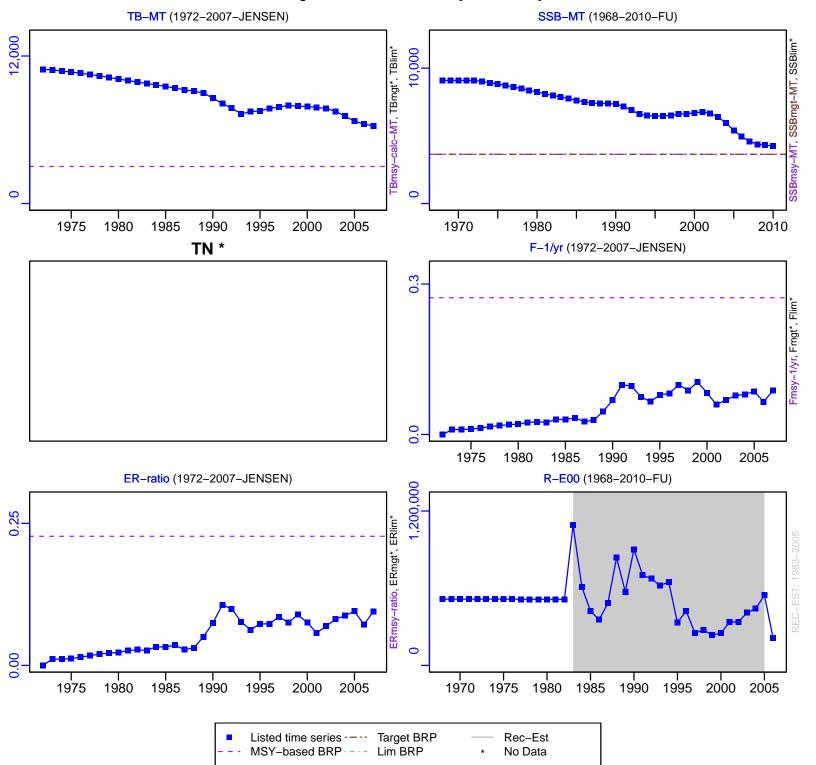


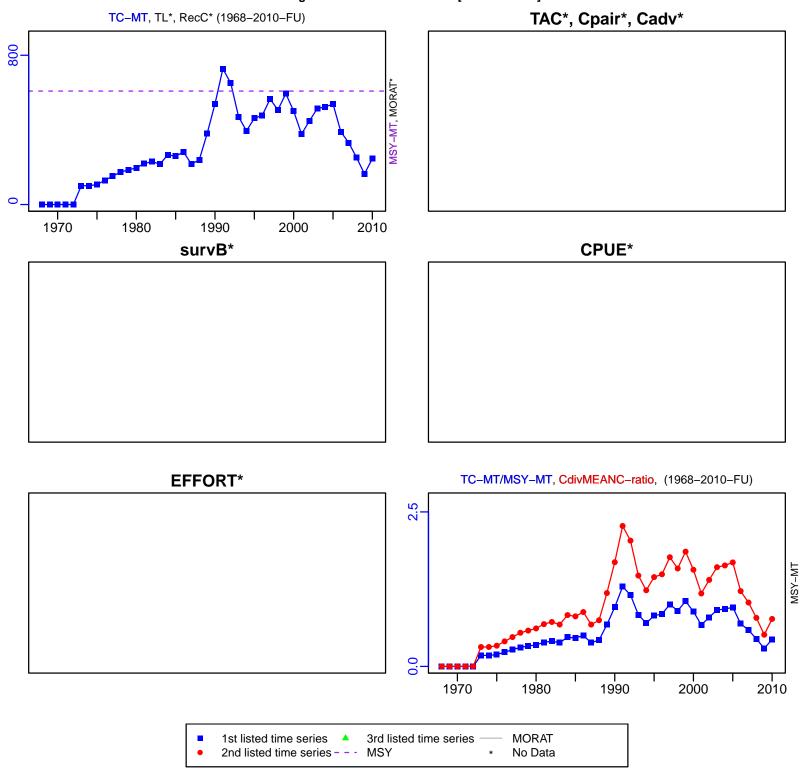
Metadata			
Scientific Name	Genypterus blacodes		
Current Assess ID	NZMFishMIDDEPTHSWG-NZLINGLIN72-1968-2010-FU		
Area	New Zealand Areas LIN 72		
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Middle Depths Working Group		
Asmts in RAM	2010, 2007		

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2010	1877
SSBmsy	SSBmsy-MT	2010	2952
Fmsy	Fmsy-1/yr	2007	0.246
ERmsy	ERmsy-ratio	2010	0.29
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2010	2952
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-MT	2010	7380
MSY	MSY-MT	2010	544
М	M-1/yr	2010	0.204
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2007	5590	-	3
SSB	SSB-MT	2010	3450	Both	3 to 25
TN	-	-	-	-	-
R	R-E00	2010	197,000	Both	-
F	F-1/yr	2007	0.08	-	-
ER	ER-ratio	2007	0.08	-	-
TC	TC-MT	2010	220		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2007	2.098		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2010	1.169		
F/Fmsy	F-1/yr/Fmsy-1/yr	2007	0.323		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	0.416		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2010	1.169		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



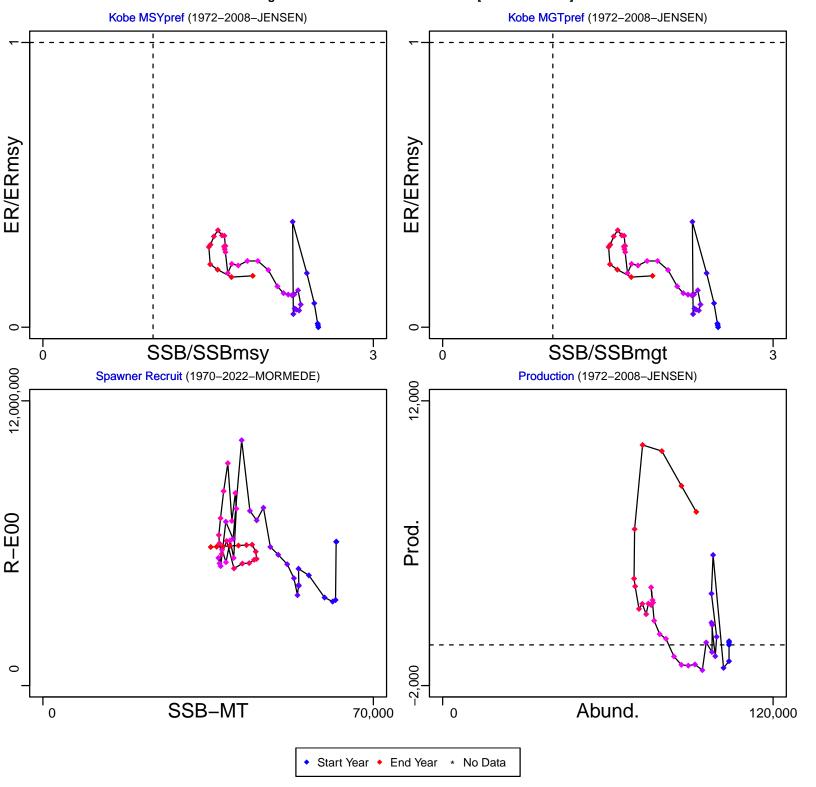


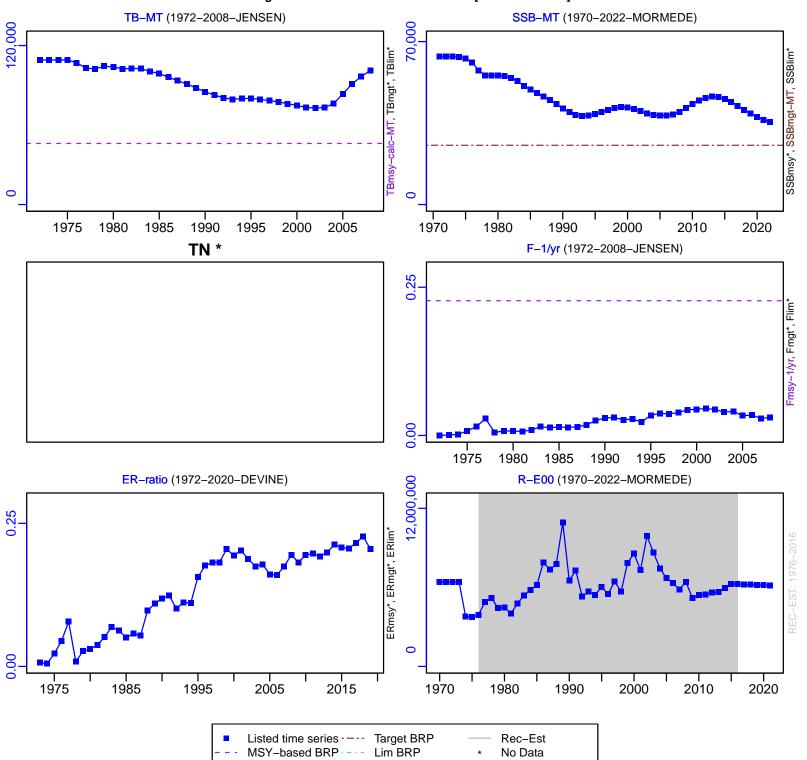


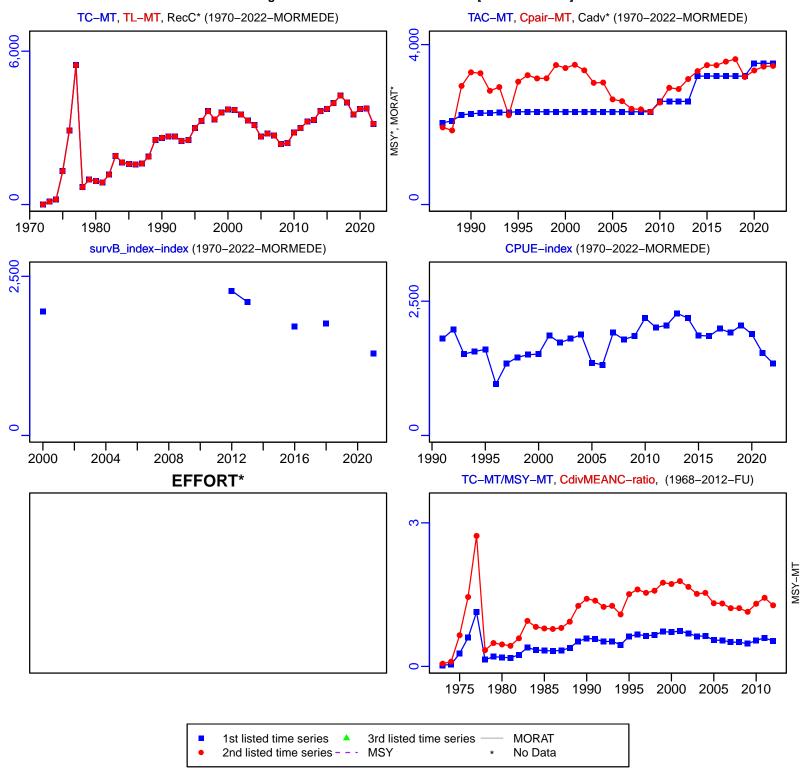
Metadata			
Scientific Name	Genypterus blacodes		
Current Assess ID	NZMFishMIDDEPTHSWG-NZLINGLIN7WC-1970-2022-MORMEDE		
Area New Zealand Areas LIN 7WC-WCSI			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Middle Depths Working Group		
Asmts in RAM	2012, 2022, 2008, 2020		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2008	43,937	
SSBmsy	SSBmsy-MT	2020	21,818	
Fmsy	Fmsy-1/yr	2008	0.202	
ERmsy	ERmsy-ratio	2008	0.138	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2022	24,867	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2022	62,168	
MSY	MSY-MT	2012	5150	
М	M-1/yr	2022	0.18	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2008	96,400	-	3
SSB	SSB-MT	2022	34,737	Both	-
TN	-	-	-	-	-
R	R-E00	2022	5,839,625	Both	1
F	F-1/yr	2008	0.027	-	-
ER	ER-ratio	2022	0.084	Both	-
TC	TC-MT	2022	2904		
TL	TL-MT	2022	2904		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2008	2.194		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2020	1.171		
F/Fmsy	F-1/yr/Fmsy-1/yr	2008	0.134		
ER/ERmsy	ER-ratio/ERmsy-ratio	2008	0.18		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2022	1.397		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





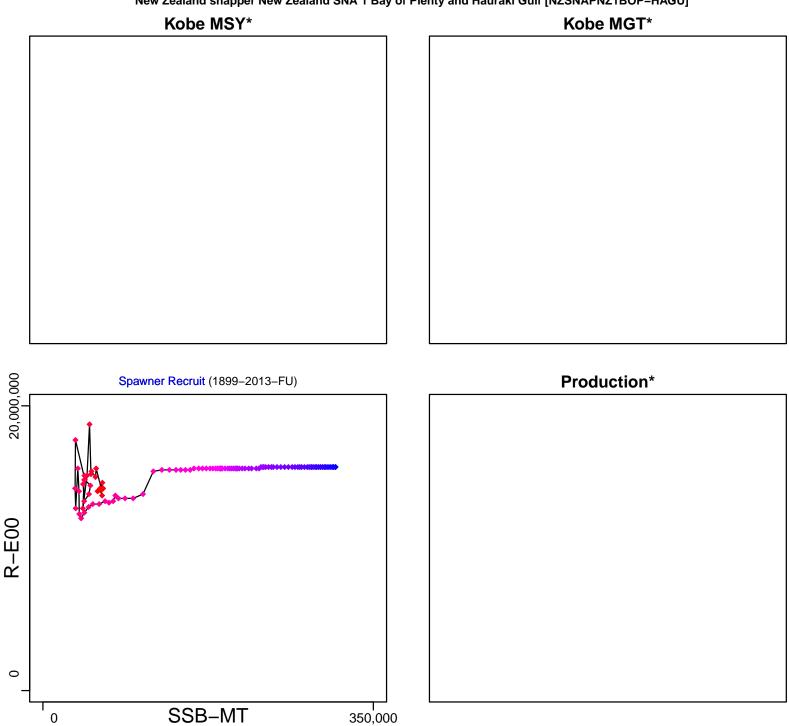


# New Zealand snapper New Zealand SNA 1 Bay of Plenty and Hauraki Gulf [NZSNAPNZ1BOP-HAGU]

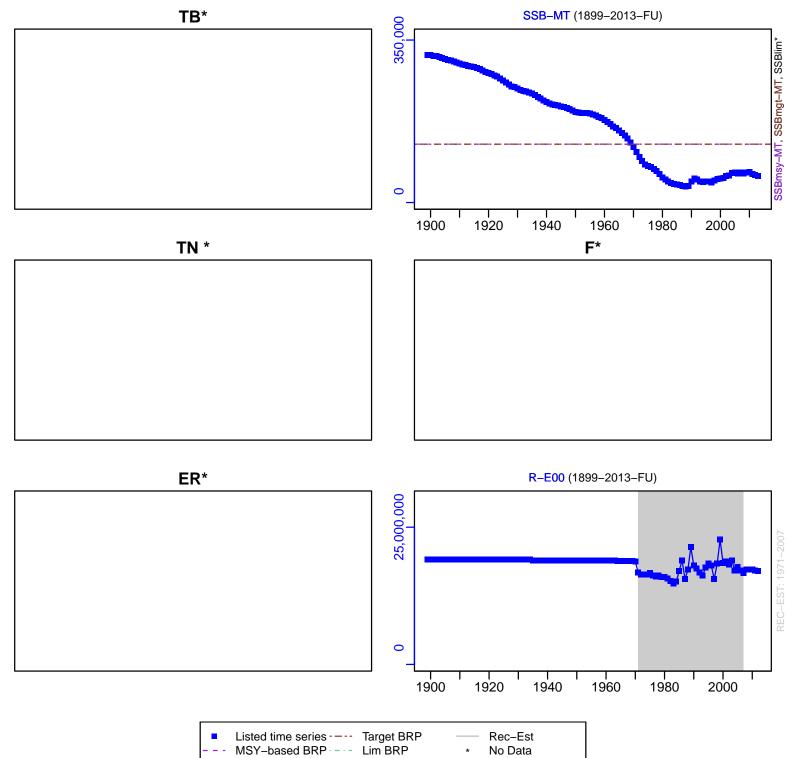
Metadata			
Scientific Name	Chrysophrys auratus		
Current Assess ID	NIWA-NZSNAPNZ1BOP-HAGU-1899-2013-FU		
Area	New Zealand SNA 1 Bay of Plenty and Hauraki Gulf		
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2013		

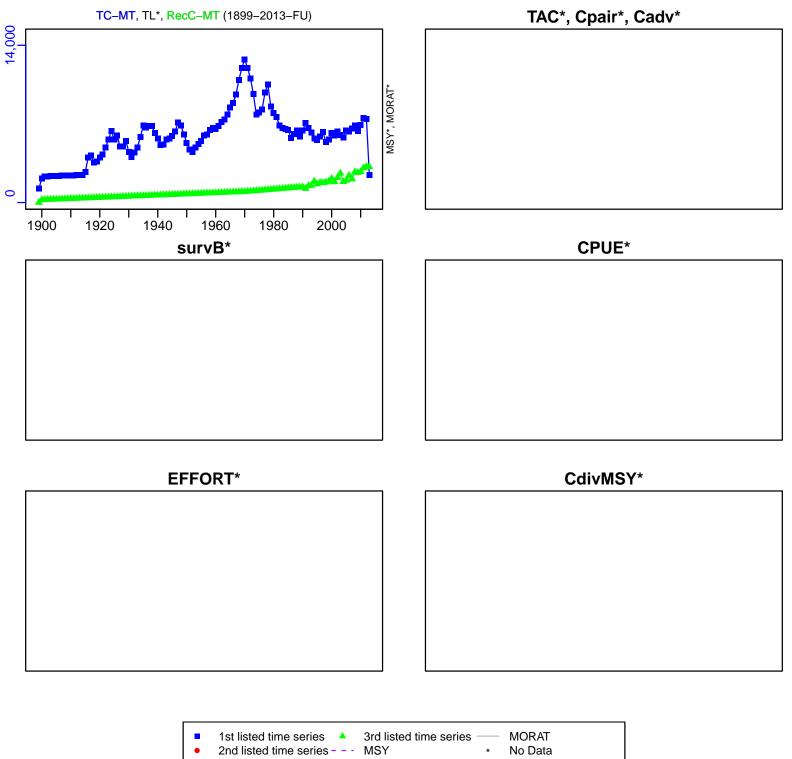
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2013	122,479	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2013	122,479	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2013	306,198	
MSY	-	-	-	
М	M-1/yr	2013	0.075	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2013	55,600	-	4 to 20
TN	-	-	-	-	-
R	R-E00	2013	$1.4 \times 10^{7}$	Both	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2013	2300		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2013	0.454		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2013	0.454		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



Start Year • End Year \* No Data



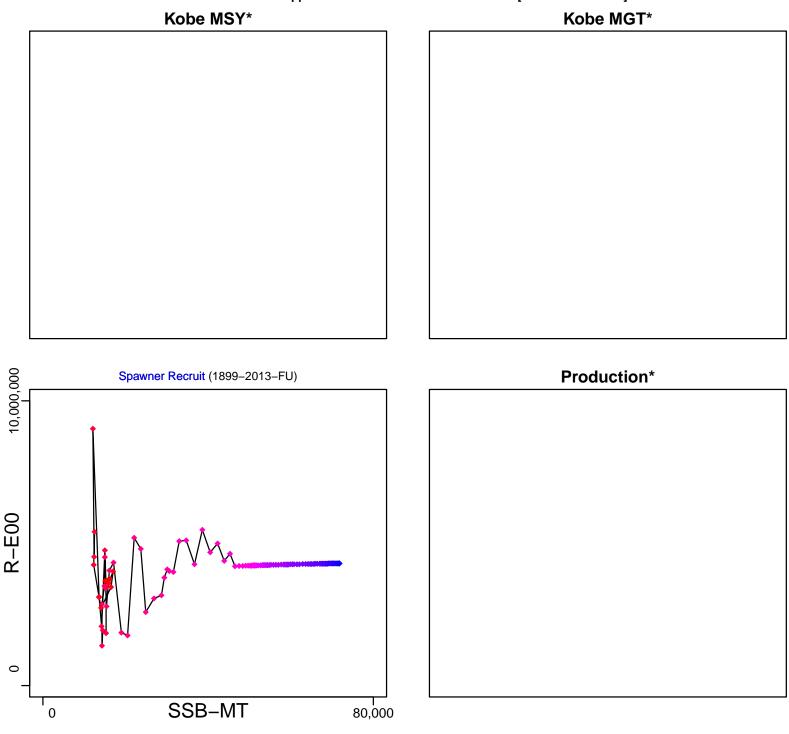


# New Zealand snapper New Zealand SNA 1 east Northland [NZSNAPNZ1ENLD]

Metadata			
Scientific Name	Chrysophrys auratus		
Current Assess ID	NIWA-NZSNAPNZ1ENLD-1899-2013-FU		
Area	New Zealand SNA 1 east Northland		
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2013		

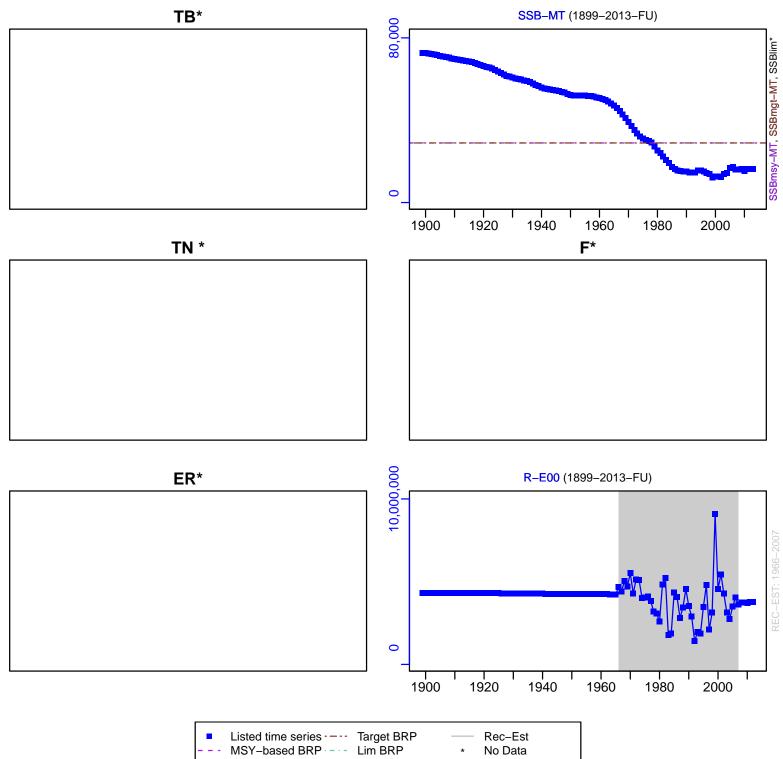
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2013	28,570	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2013	28,570	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2013	71,425	
MSY	-	-	-	
M	M-1/yr	2013	0.075	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2013	16,200	-	4 to 20
TN	-	-	-	-	-
R	R-E00	2013	3,730,000	Both	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2013	1750		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2013	0.567		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2013	0.567		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

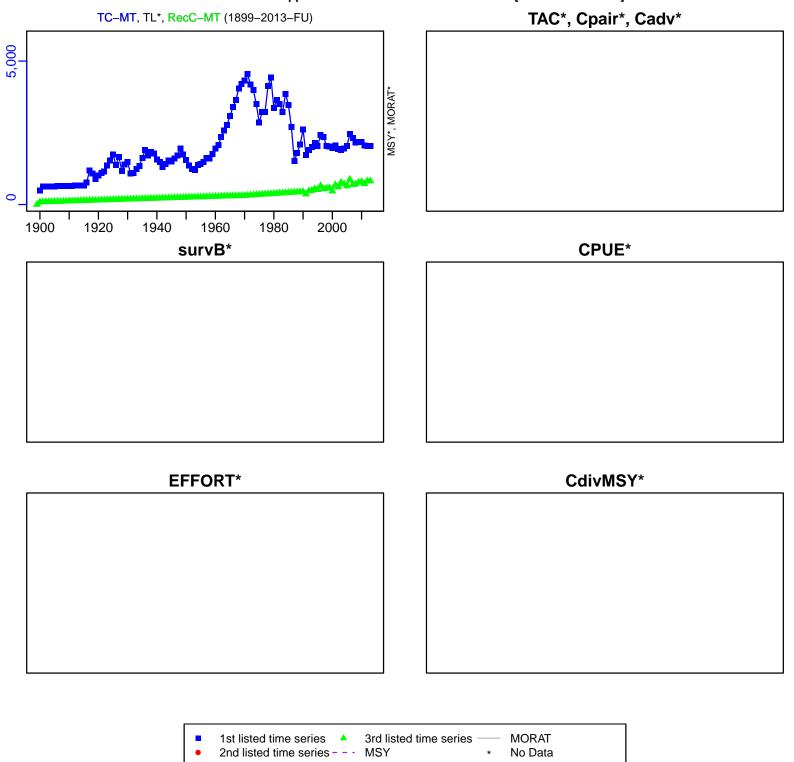


Start Year • End Year \* No Data

## New Zealand snapper New Zealand SNA 1 east Northland [NZSNAPNZ1ENLD]



## New Zealand snapper New Zealand SNA 1 east Northland [NZSNAPNZ1ENLD]

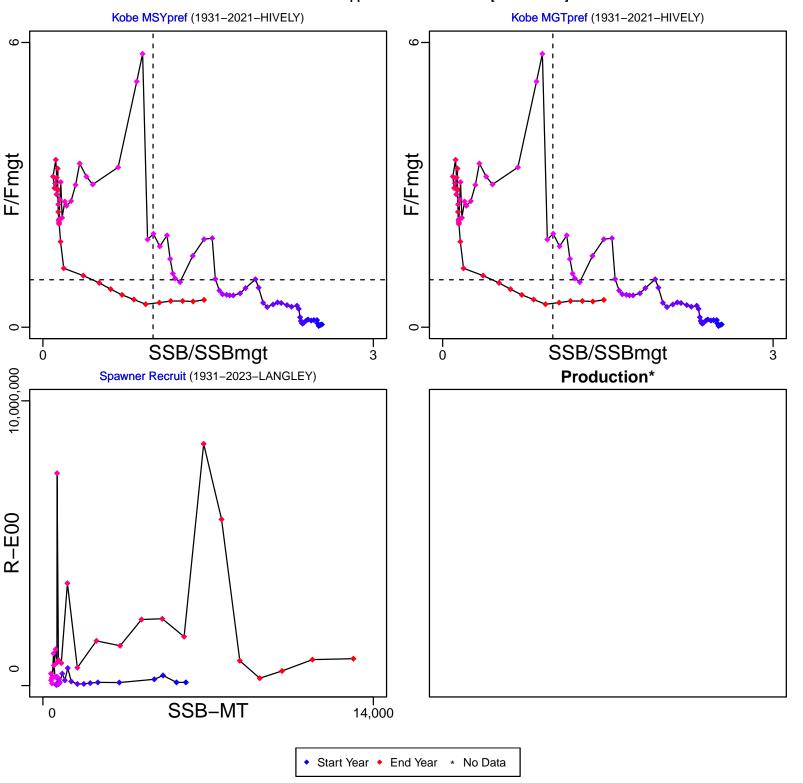


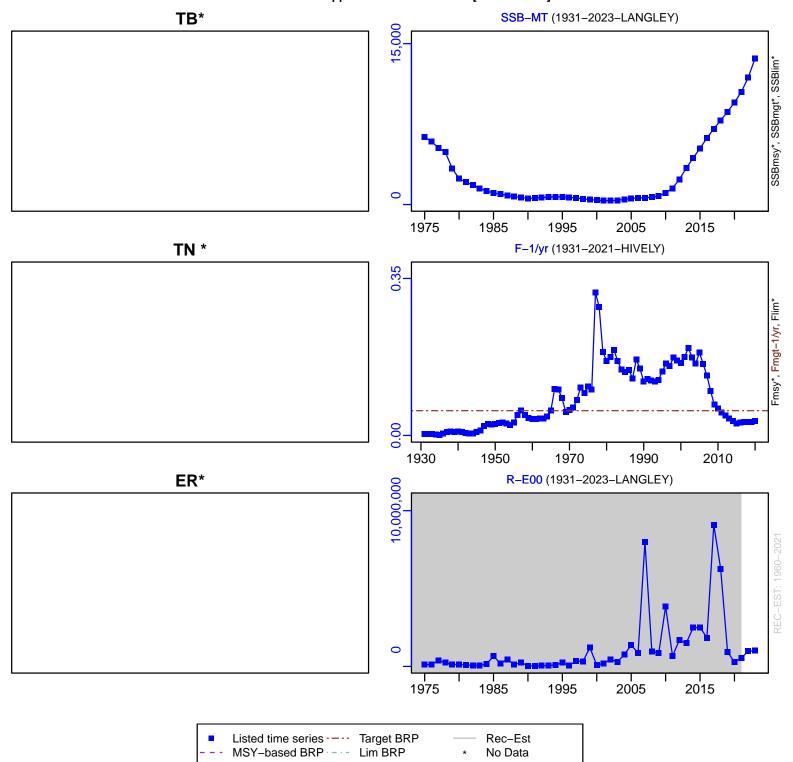
# New Zealand snapper New Zealand SNA 7 [NZSNAPNZ7]

Metadata				
Scientific Name	Chrysophrys auratus			
Current Assess ID	NZMFishINSHOREWG-NZSNAPNZ7-1931-2023-LANGLEY			
Area	New Zealand SNA 7			
Management Authority	Ministry of Fisheries, New Zealand national management			
Assessor	Inshore Working Group			
Asmts in RAM	2014, 2021, 2023			

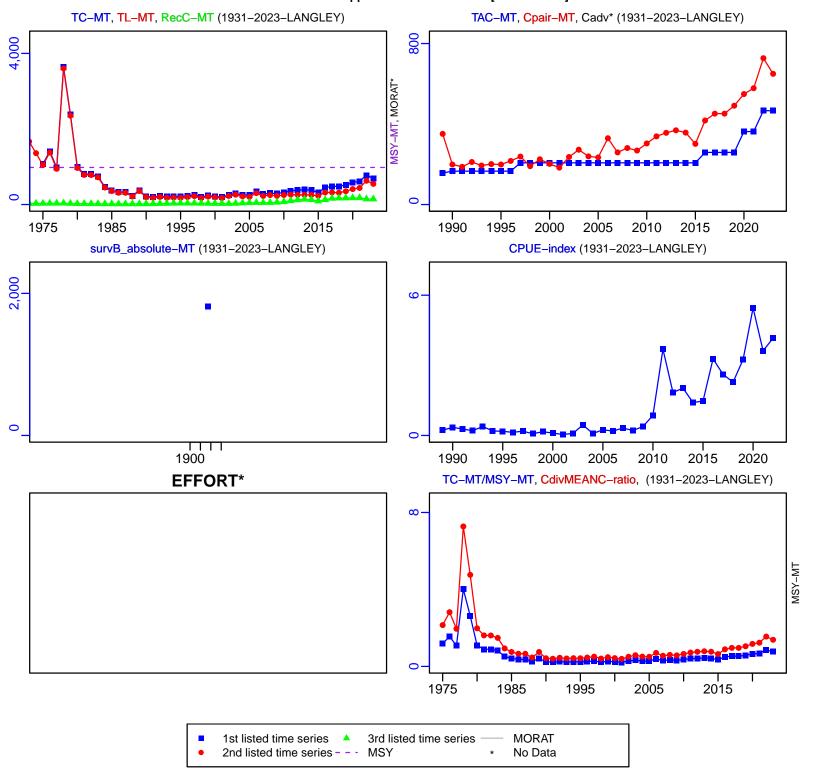
Reference Points						
Туре	ID	Asmt Year	Value			
TBmsy	-	-	-			
SSBmsy	SSBmsy-MT	2014	6199			
Fmsy	-	-	-			
ERmsy	-	-	-			
TBmgt	-	-	-			
SSBmgt	SSBmgt-MT	2021	6400			
Fmgt	Fmgt-1/yr	2021	0.052			
ERmgt	-	-	-			
TB0	-	-	-			
SSB0	SSB0-MT	2014	15,497			
MSY	MSY-MT	2023	889			
М	M-1/yr	2023	0.075			
TBlim	-	-	-			
SSBlim	-	-	-			
Flim	-	-	-			
ERlim	-	-	-			

Time Series							
Туре	ID	Asmt Year	Curr Value	Sex	Age		
ТВ	-	-	-	-	-		
SSB	SSB-MT	2023	13,154	Both	-		
TN	-	-	-	-	-		
R	R-E00	2023	944,642	Both	-		
F	F-1/yr	2021	0.03	-	-		
ER	-	-	-	-	-		
TC	TC-MT	2023	627				
TL	TL-MT	2023	495				
TB/TBmsy	-	-	-				
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.729				
F/Fmsy	FdivFmsy-dimensionless	2023	0.453				
ER/ERmsy	-	-	-				
TB/TBmgt	-	-	-				
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2021	1.463				
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	0.576				
ER/ERmgt	-	-	-				





#### New Zealand snapper New Zealand SNA 7 [NZSNAPNZ7]

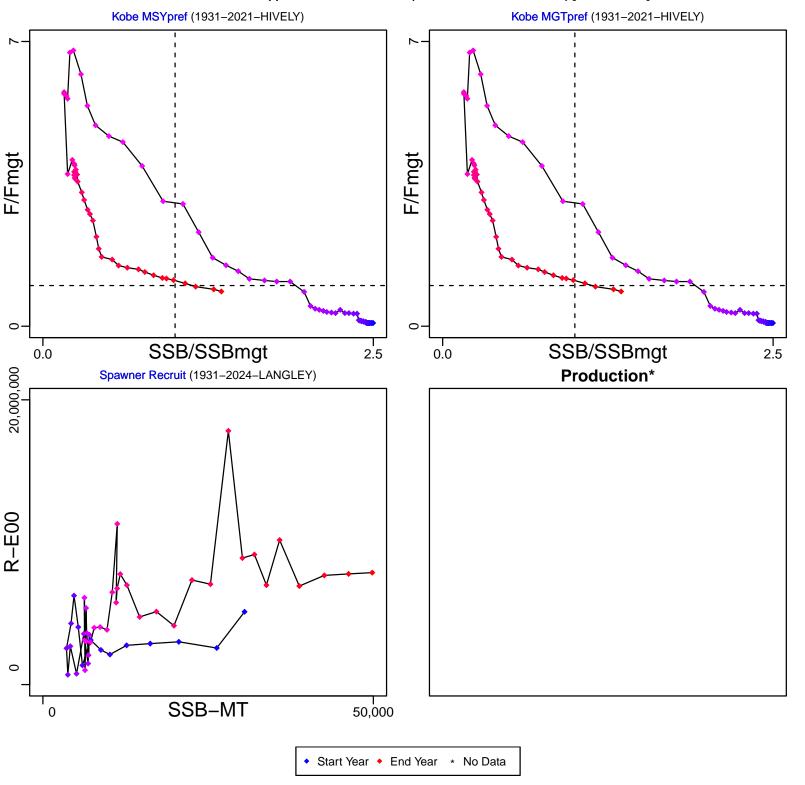


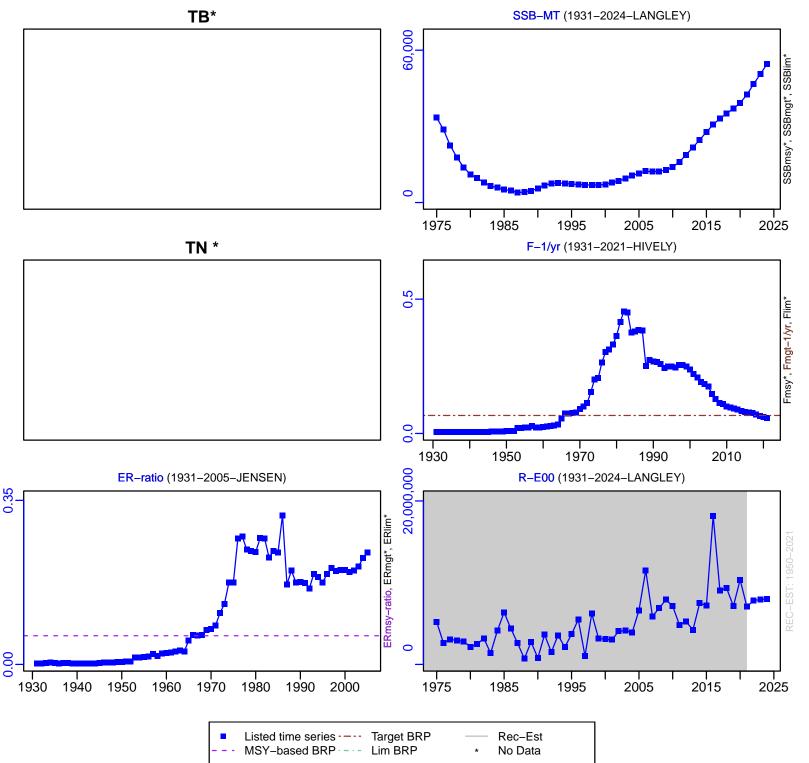
# New Zealand snapper New Zealand Area 8 (Auckland and Central West) [NZSNAPNZ8]

Metadata			
Scientific Name	Chrysophrys auratus		
Current Assess ID NZMFishINSHOREWG-NZSNAPNZ8-1931-2024-LANGLEY			
Area New Zealand Area 8 (Auckland and Central West)			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor Inshore Working Group			
Asmts in RAM	2005, 2021, 2024		

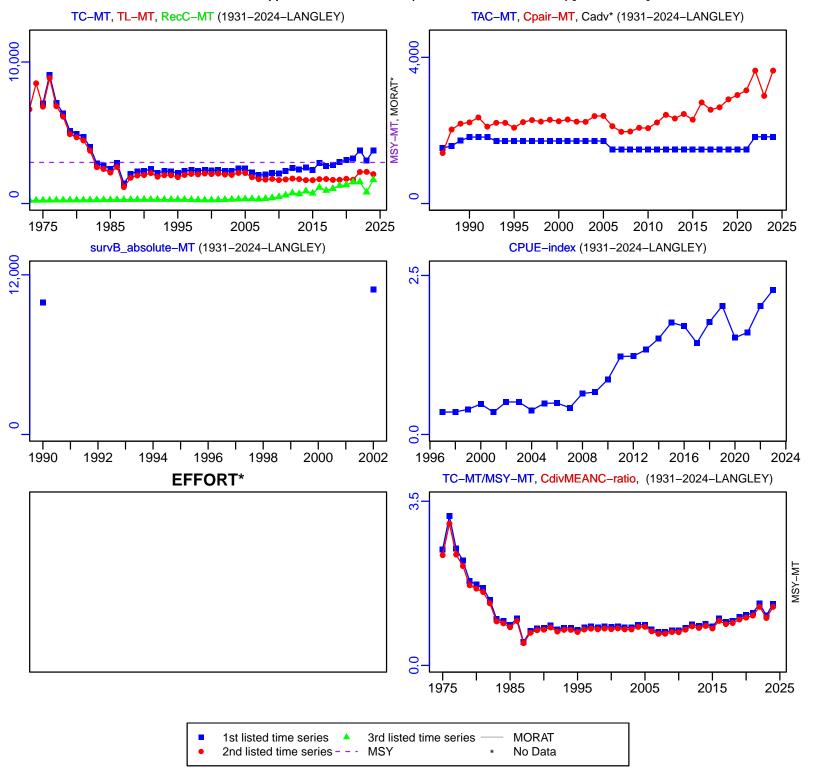
	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-calc-MT	2005	37,979		
SSBmsy	SSBmsy-MT	2005	23,536		
Fmsy	Fmsy-1/yr	2005	0.092		
ERmsy	ERmsy-ratio	2005	0.06		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2021	39,728		
Fmgt	Fmgt-1/yr	2021	0.054		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	SSB0-MT	2005	120,884		
MSY	MSY-MT	2024	2463		
М	M-1/yr	2024	0.075		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2024	49,830	Both	-
TN	-	-	-	-	-
R	R-E00	2024	7,862,205	Both	-
F	F-1/yr	2021	0.046	-	-
ER	ER-ratio	2005	0.235	-	-
TC	TC-MT	2024	3187		
TL	TL-MT	2024	1760		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2005	0.353		
F/Fmsy	FdivFmsy-dimensionless	2024	0.999		
ER/ERmsy	ER-ratio/ERmsy-ratio	2005	3.906		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2021	1.35		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	0.853		
ER/ERmgt	-	-	-		





#### New Zealand snapper New Zealand Area 8 (Auckland and Central West) [NZSNAPNZ8]

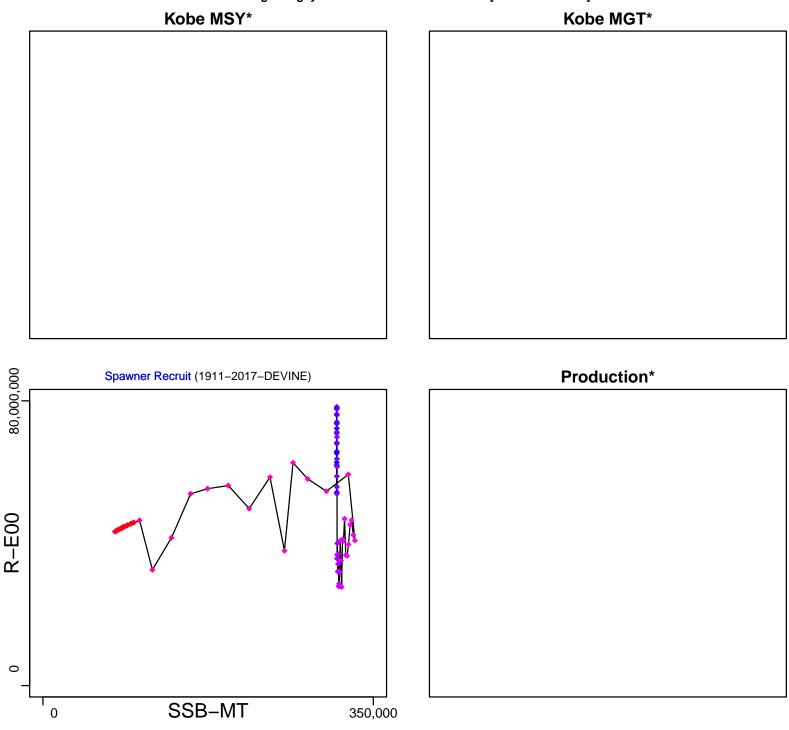


# Orange roughy East and South Chatham Rise [OROUGHYESCR]

Metadata			
Scientific Name	Hoplostethus atlanticus		
Current Assess ID NIWA-OROUGHYESCR-1911-2017-DEVINE			
Area East and South Chatham Rise			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor National Institute of Water and Atmospheric Researc			
Asmts in RAM	2014, 2017		

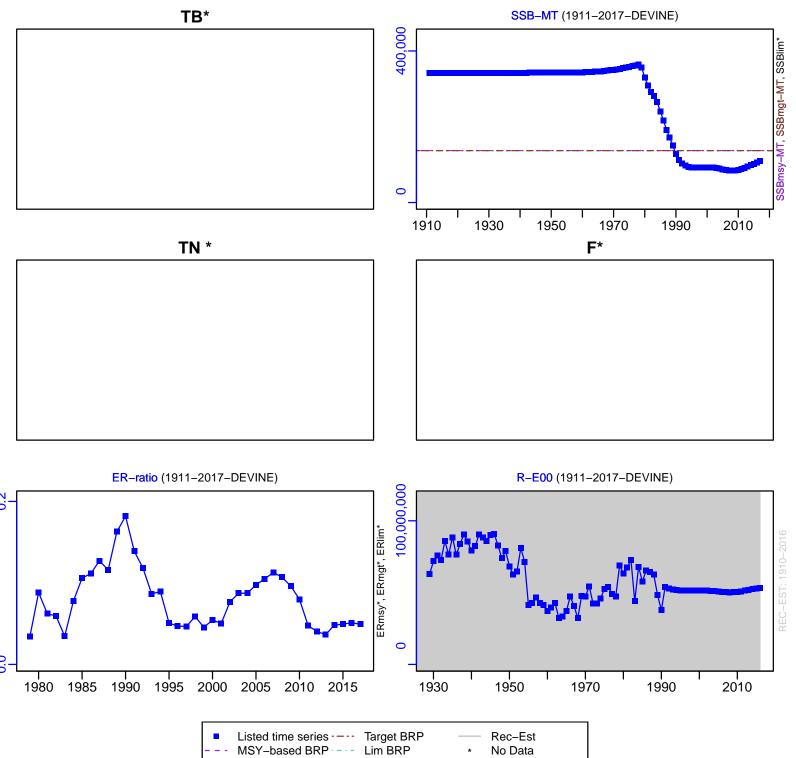
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2017	124,507	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2017	124,507	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2014	0.053	
TB0	-	-	-	
SSB0	SSB0-MT	2017	311,268	
MSY	MSY-MT	2014	8640	
М	M-1/yr	2017	0.045	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2017	99,746	Both	28-100
TN	-	-	-	-	-
R	R-E00	2017	45,828,090	Both	28
F	-	-	-	-	-
ER	ER-ratio	2017	0.048	Both	28-100
TC	TC-MT	2017	3503		
TL	TL-MT	2017	3336		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2017	0.801		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2017	0.801		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



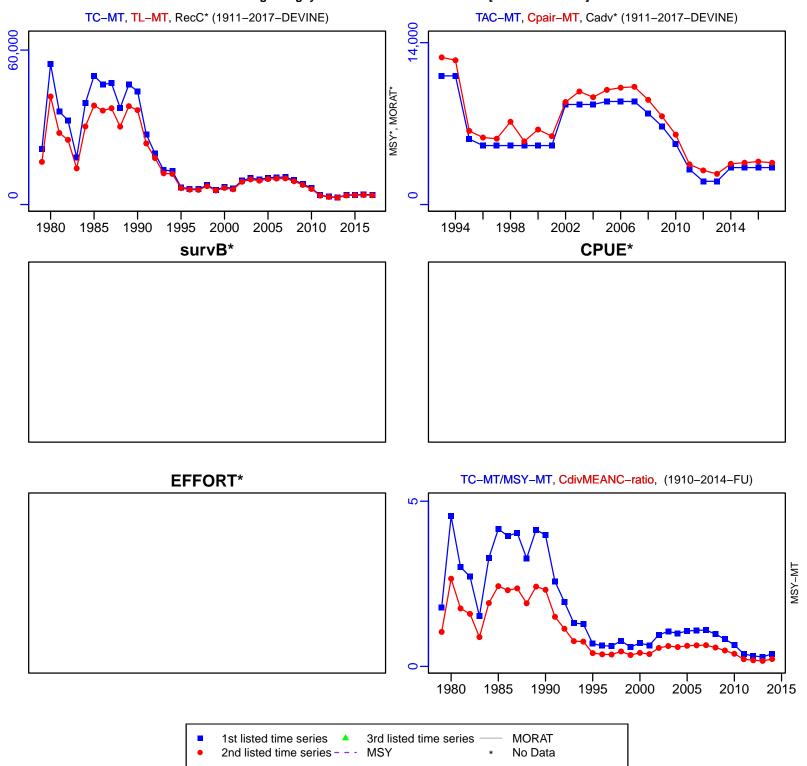
Start Year • End Year \* No Data

#### Orange roughy East and South Chatham Rise [OROUGHYESCR]



No Data

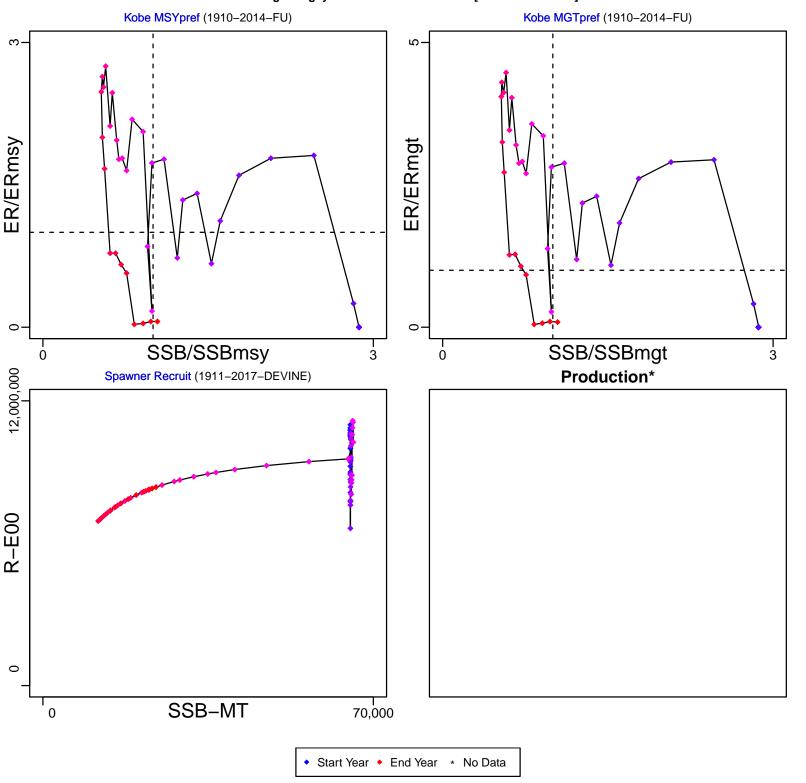
### Orange roughy East and South Chatham Rise [OROUGHYESCR]

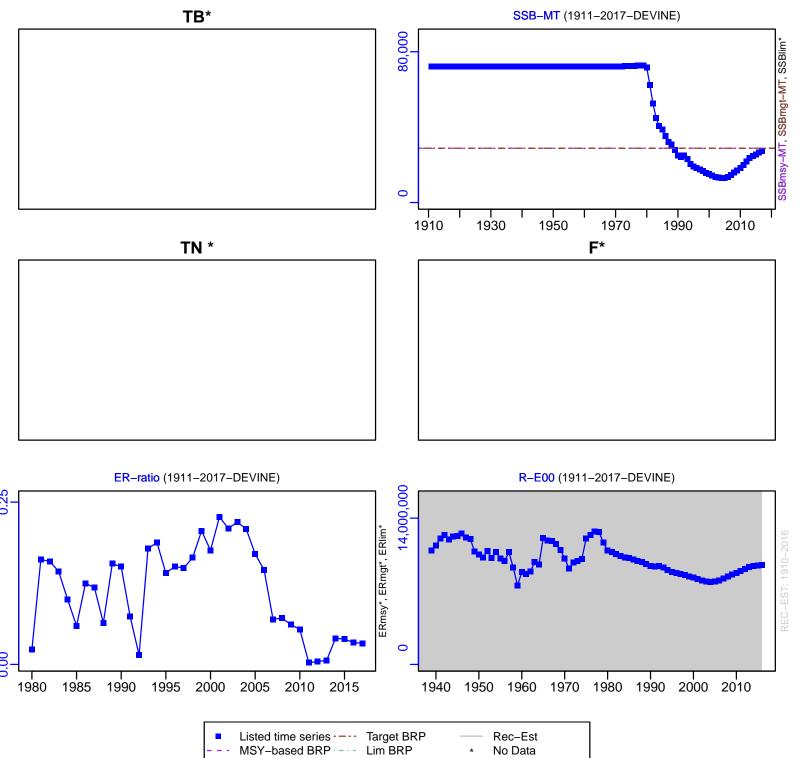


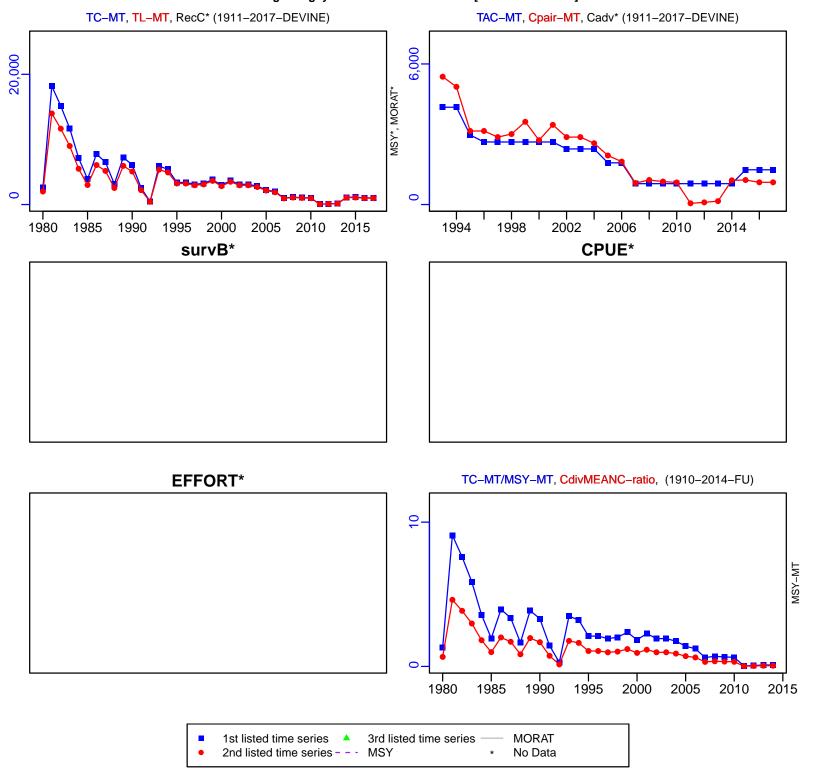
Metadata			
Scientific Name	Hoplostethus atlanticus		
Current Assess ID	NIWA-OROUGHYNWCR-1911-2017-DEVINE		
Area Northwest Chatham Rise			
Management Authority   Ministry of Fisheries, New Zealand national managem			
Assessor National Institute of Water and Atmospheric Research			
Asmts in RAM	2014, 2017		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2014	16,052	
SSBmsy	SSBmsy-MT	2017	26,054	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2014	0.086	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2017	26,054	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2014	0.053	
TB0	-	-	-	
SSB0	SSB0-MT	2017	65,134	
MSY	MSY-MT	2014	1386	
M	M-1/yr	2017	0.045	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2017	24,712	Both	28-100
TN	-	-	-	-	-
R	R-E00	2017	8,363,698	Both	28
F	-	-	-	-	-
ER	ER-ratio	2017	0.032	Both	28-100
TC	TC-MT	2017	799		
TL	TL-MT	2017	761		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2017	0.948		
F/Fmsy	-	-	-		
ER/ERmsy	ERdivERmsy-dimensionless	2014	0.06		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2017	0.948		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



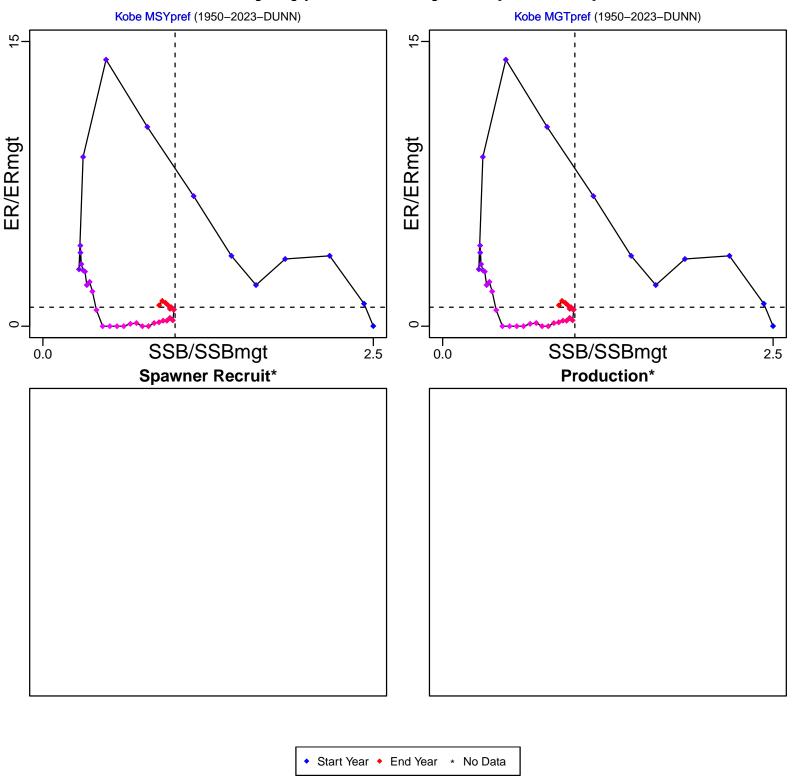


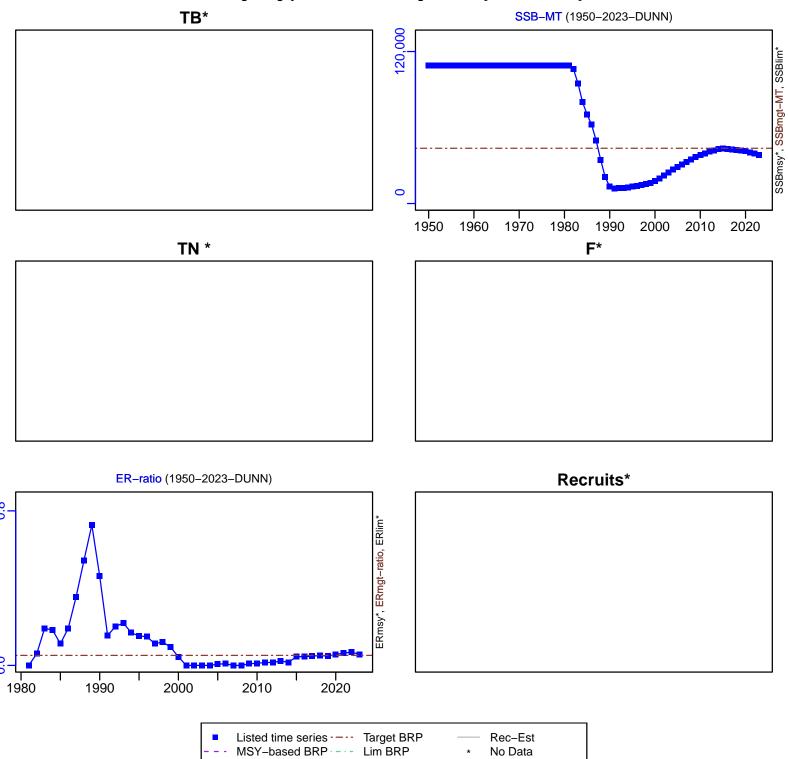


Metadata			
Scientific Name	Hoplostethus atlanticus		
Current Assess ID NZMFishINSHOREWG-OROUGHYNZ7A-1950-2023-DUNN			
Area New Zealand Challenger Plateau			
Management Authority Ministry of Fisheries, New Zealand national management			
Assessor	Inshore Working Group		
Asmts in RAM	2014, 2021, 2023		

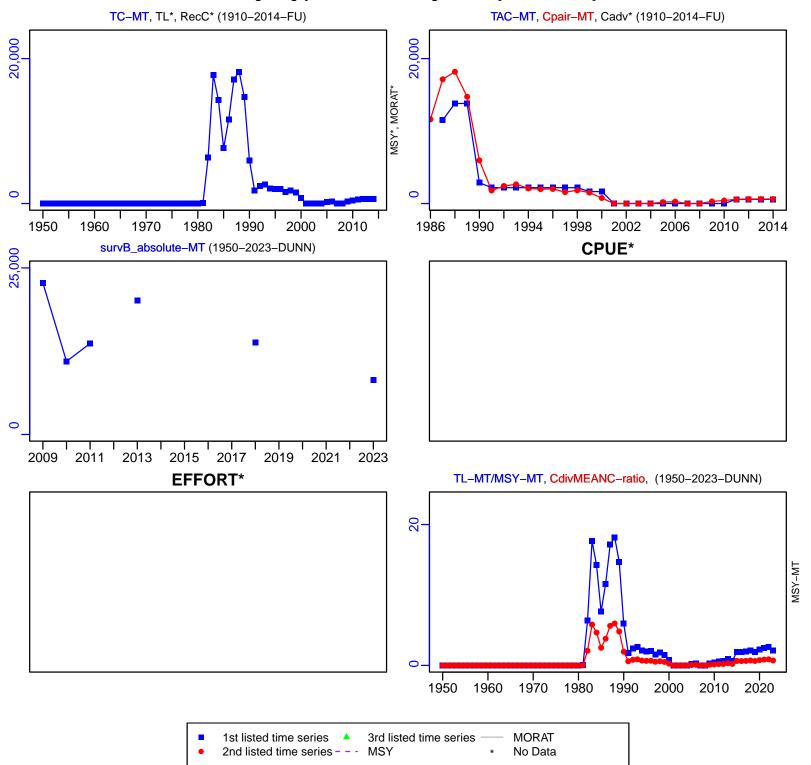
	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-calc-MT	2014	20,764		
SSBmsy	SSBmsy-MT	2014	30,800		
Fmsy	-	-	-		
ERmsy	ERmsy-ratio	2014	0.089		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2023	39,770		
Fmgt	-	-	-		
ERmgt	ERmgt-ratio	2023	0.048		
TB0	-	-	-		
SSB0	SSB0-MT	2014	88,000		
MSY	MSY-MT	2023	1031		
М	M-1/yr	2023	0.033		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2023	34,983	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2023	0.053	-	-
TC	TC-MT	2014	539		
TL	TL-MT	2023	1860		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2014	1.15		
F/Fmsy	-	-	-		
ER/ERmsy	ERdivERmsy-dimensionless	2014	0.21		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2023	0.88		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





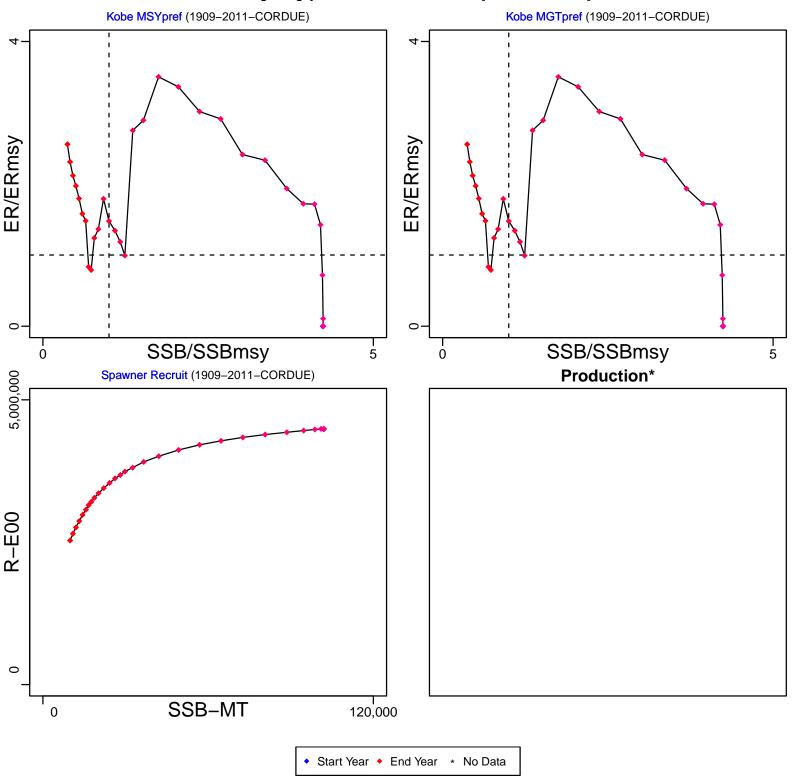
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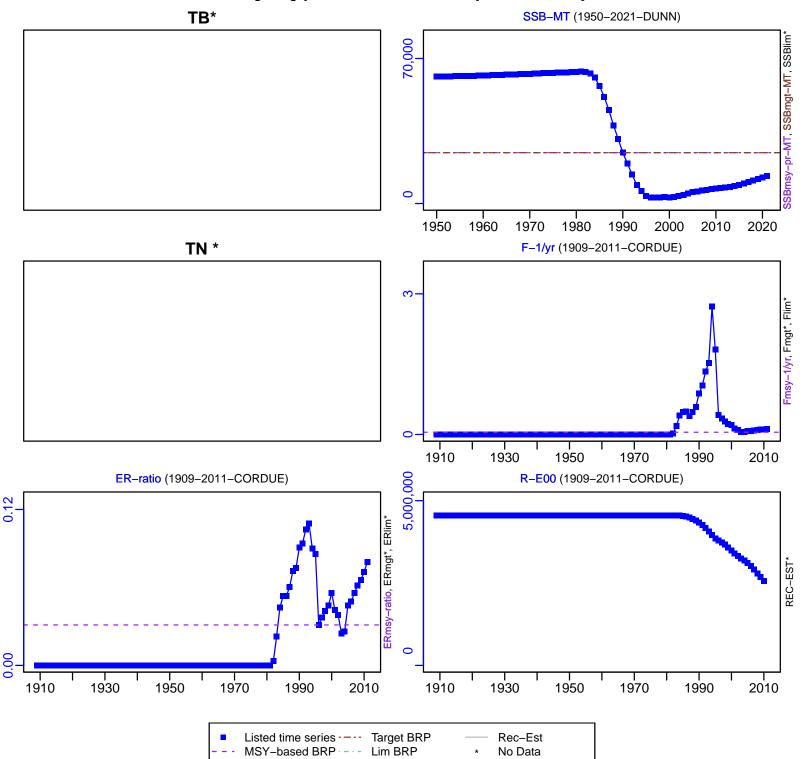


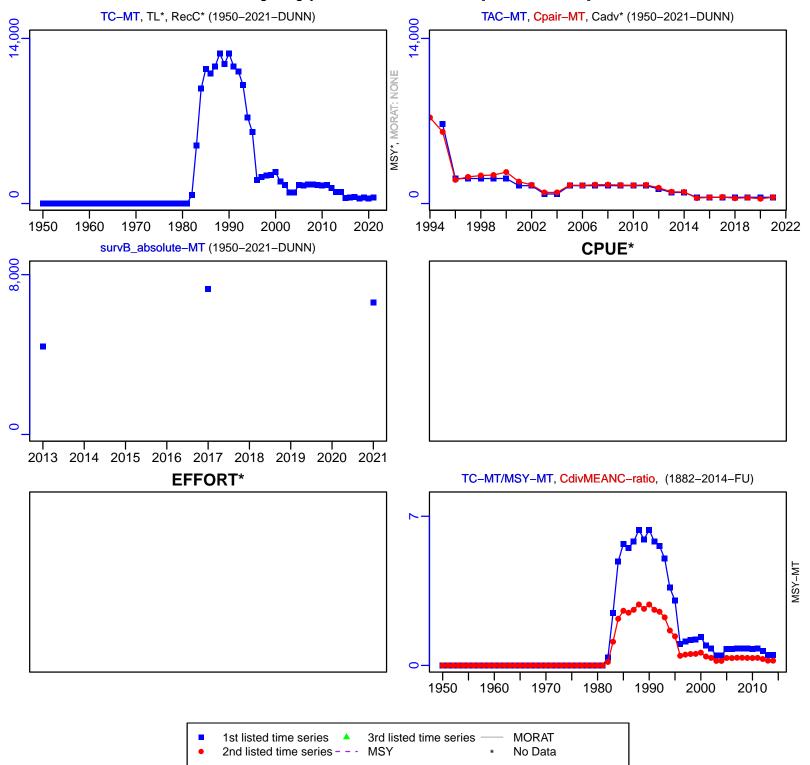
Metadata			
Scientific Name	Hoplostethus atlanticus		
Current Assess ID	NIWA-OROUGHYNZMEC-1950-2021-DUNN		
Area New Zealand Mid East Coast			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2014, 2011, 2021		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2011	55,297	
SSBmsy	SSBmsy-pr-MT	2021	21,340	
Fmsy	Fmsy-1/yr	2011	0.04	
ERmsy	ERmsy-ratio	2011	0.029	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2021	21,340	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2014	0.051	
TB0	-	-	-	
SSB0	SSB0-MT	2021	53,350	
MSY	MSY-MT	2014	2214	
М	M-1/yr	2021	0.045	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2021	11,538	Both	60+
TN	-	-	-	-	-
R	R-E00	2011	2,530,000	-	1
F	F-1/yr	2011	0.1	-	-
ER	ER-ratio	2011	0.074	-	-
TC	TC-MT	2021	526		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2021	0.54		
F/Fmsy	FdivFmsy-dimensionless	2011	2.5		
ER/ERmsy	ER-ratio/ERmsy-ratio	2011	2.555		
TB/TBmgt		-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2021	0.541		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



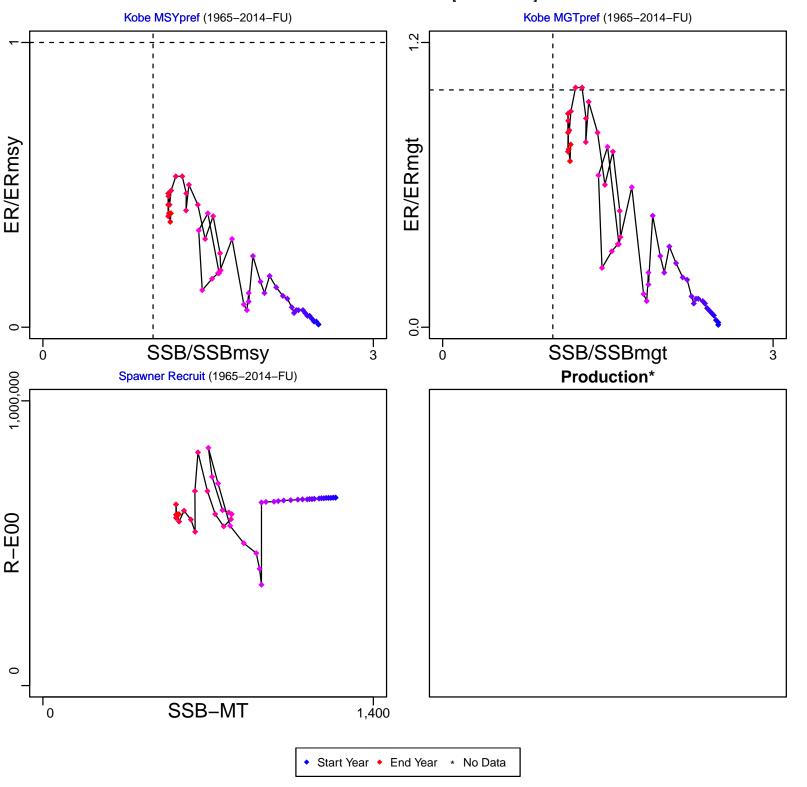


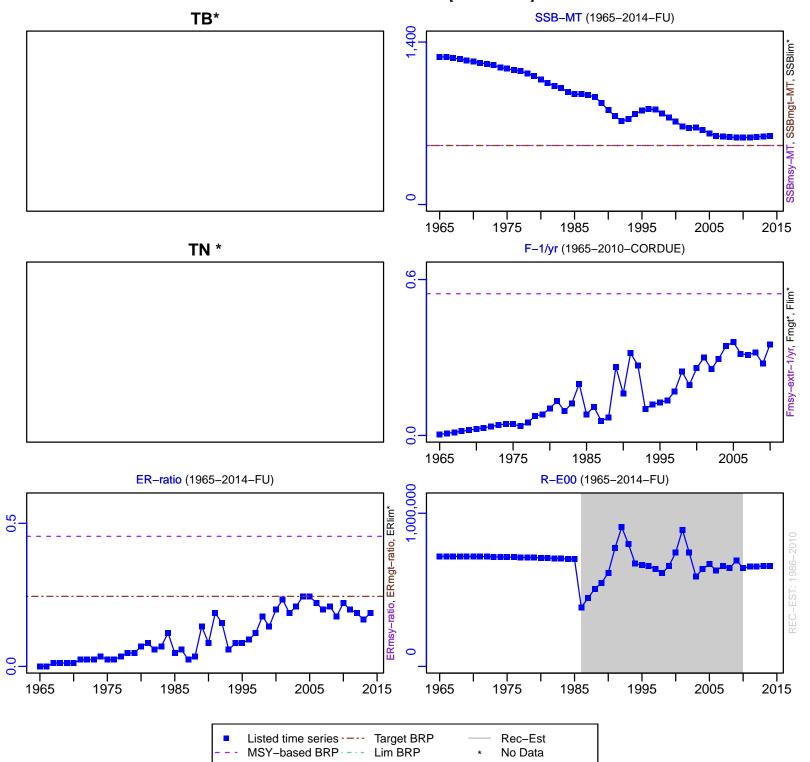


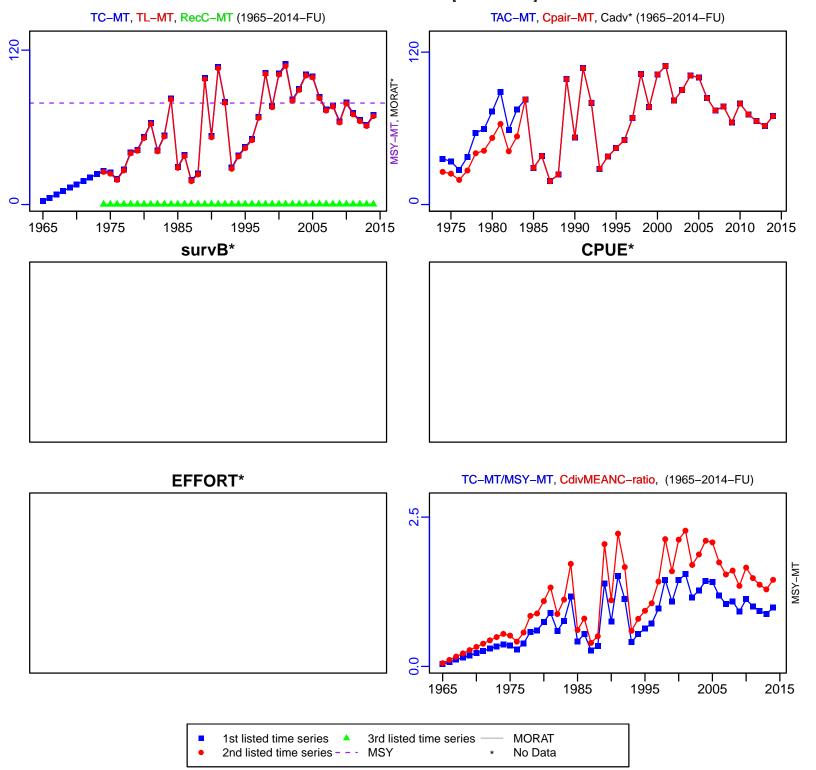
Metadata			
Scientific Name	Haliotis iris		
Current Assess ID	NIWA-PAUANPAU5A-1965-2014-FU		
Area NZ Area North PAUA 5A			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2010, 2014		

	Reference Points			
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2014	187	
SSBmsy	SSBmsy-MT	2014	496	
Fmsy	Fmsy-extr-1/yr	2010	0.51	
ERmsy	ERmsy-ratio	2014	0.39	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2014	496	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2014	0.21	
TB0	-	-	-	
SSB0	SSB0-MT	2014	1239	
MSY	MSY-MT	2014	73	
М	M-1/yr	2014	0.15	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2014	576	-	-
TN	-	-	-	-	-
R	R-E00	2014	602,000	Both	-
F	F-1/yr	2010	0.328	-	-
ER	ER-ratio	2014	0.16	Both	-
TC	TC-MT	2014	64		
TL	TL-MT	2014	64		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	1.162		
F/Fmsy	FdivFmsy-dimensionless	2010	0.643		
ER/ERmsy	ERdivERmsy-dimensionless	2014	0.4		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	1.162		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



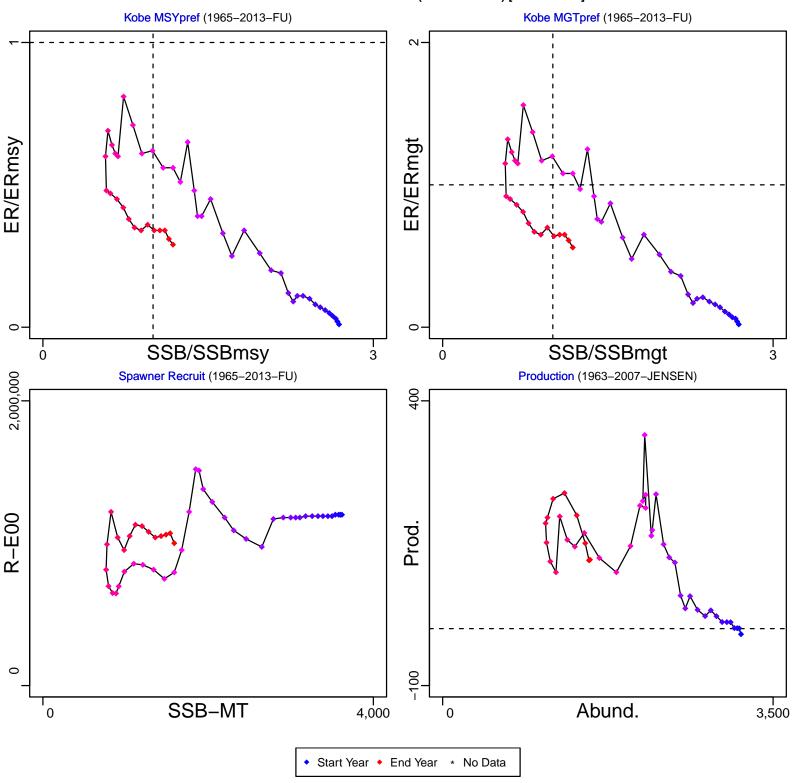


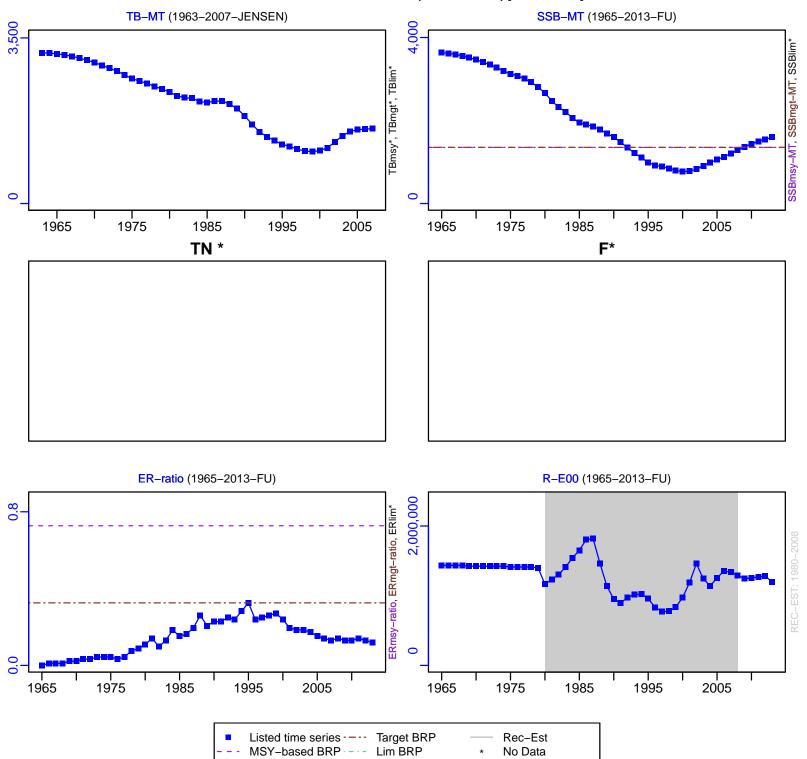


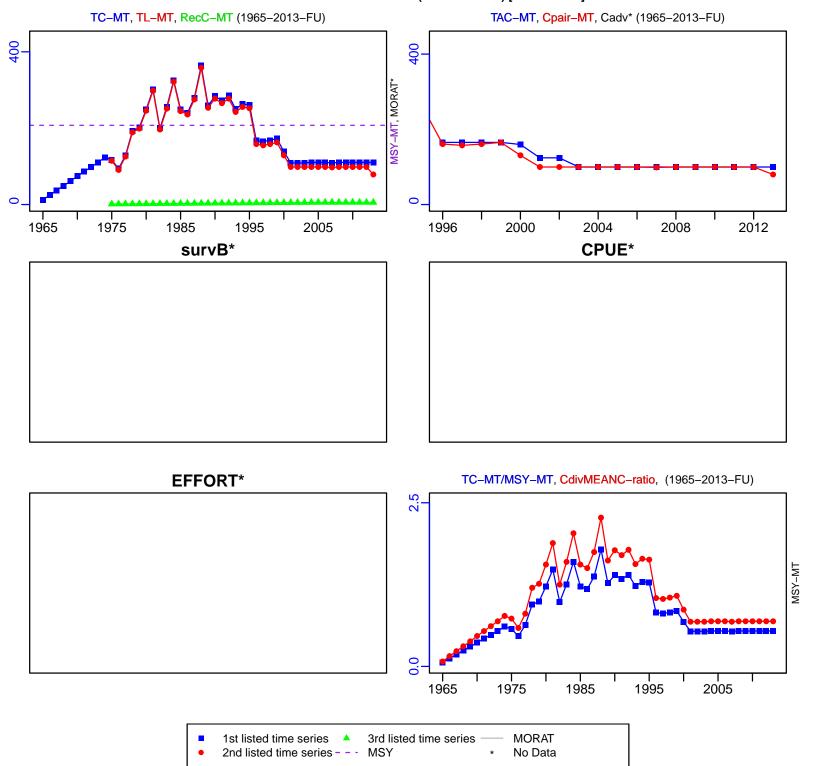
Metadata			
Scientific Name	Haliotis iris		
Current Assess ID	NZMFishSHELLFISHWG-PAUAPAU5B-1965-2013-FU		
Area New Zealand Area PAU 5B (Stewart Island)			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Shellfish Working Group		
Asmts in RAM	2007, 2013		

Reference Points				
Type	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2013	284	
SSBmsy	SSBmsy-MT	2013	1346	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2013	0.67	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2013	1346	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2013	0.3	
TB0	-	-	-	
SSB0	SSB0-MT	2013	3366	
MSY	MSY-MT	2013	190	
M	M-1/yr	2013	0.15	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2007	1570	-	-
SSB	SSB-MT	2013	1590	Both	-
TN	-	-	-	-	-
R	R-E00	2013	$1 \times 10^{6}$	Both	-
F	-	-	-	-	-
ER	ER-ratio	2013	0.11	Both	-
TC	TC-MT	2013	101		
TL	TL-MT	2013	72		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2013	1.181		
F/Fmsy	-	-	-		
ER/ERmsy	ERdivERmsy-dimensionless	2013	0.29		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2013	1.181		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



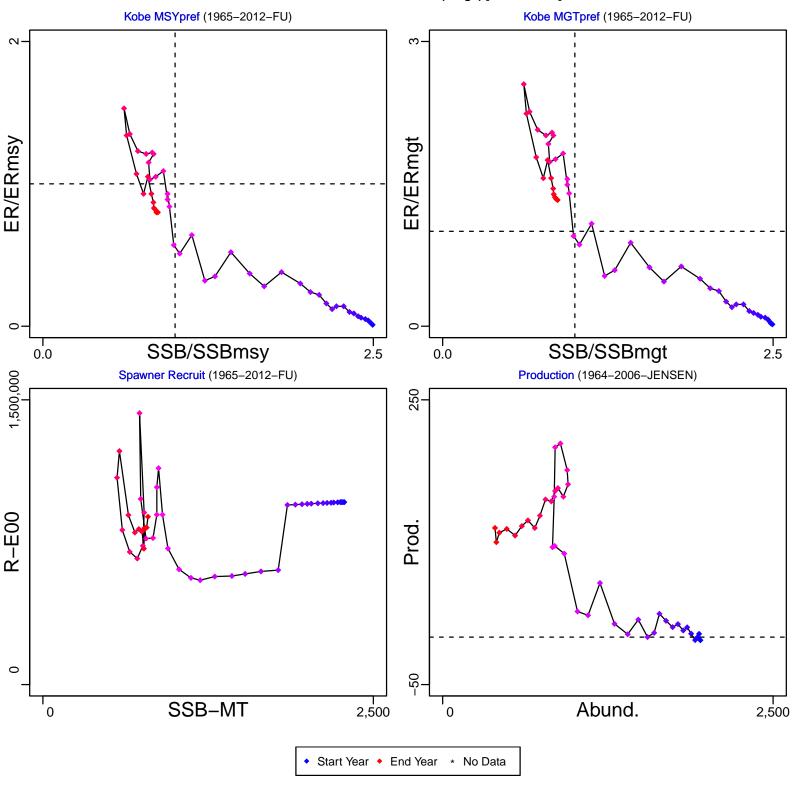


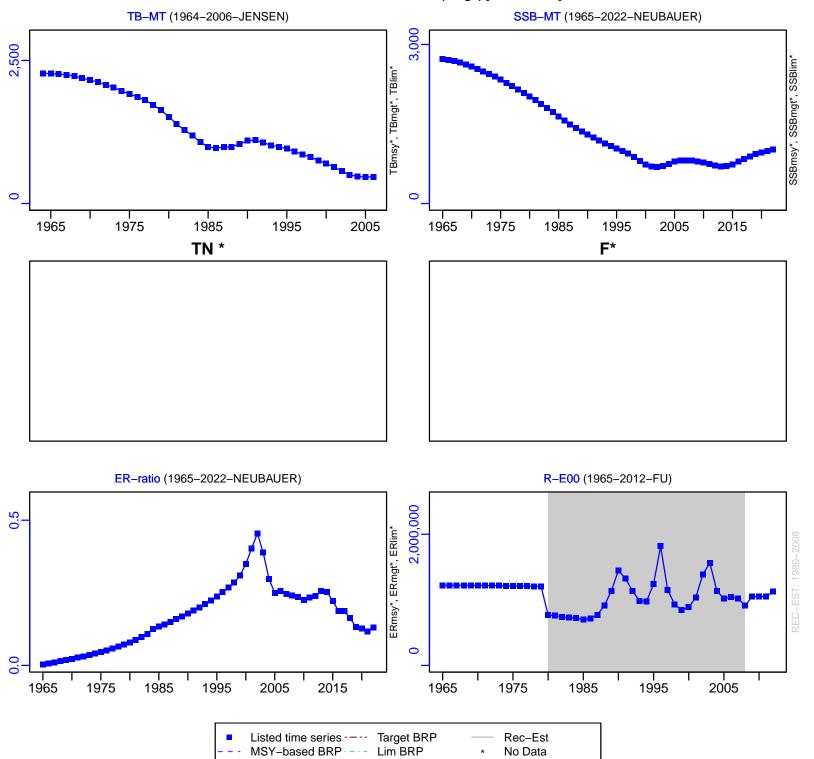


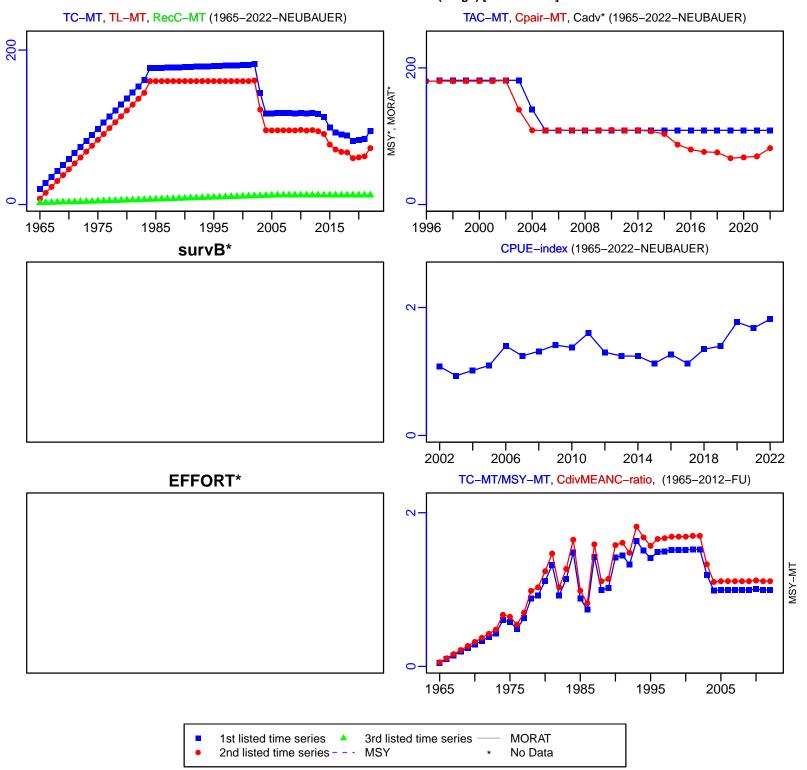
Metadata			
Scientific Name	Haliotis iris		
Current Assess ID NZMFishSHELLFISHWG-PAUAPAU5D-1965-2022-NEUBAUER			
Area New Zealand Area PAU 5D (Otago)			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Shellfish Working Group		
Asmts in RAM	2006, 2012, 2022		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2012	465	
SSBmsy	SSBmsy-MT	2012	914	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2012	0.26	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2012	914	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2012	0.16	
TB0	-	-	-	
SSB0	SSB0-MT	2012	2285	
MSY	MSY-MT	2012	121	
М	M-1/yr	2012	0.15	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2006	400	-	-
SSB	SSB-MT	2022	972	Both	-
TN	-	-	-	-	-
R	R-E00	2012	884,000	Both	-
F	-	-	-	-	-
ER	ER-ratio	2022	0.113	Both	-
TC	TC-MT	2022	88		
TL	TL-MT	2022	68		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2012	0.87		
F/Fmsy	-	-	-		
ER/ERmsy	ERdivERmsy-dimensionless	2012	0.8		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2012	0.87		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		







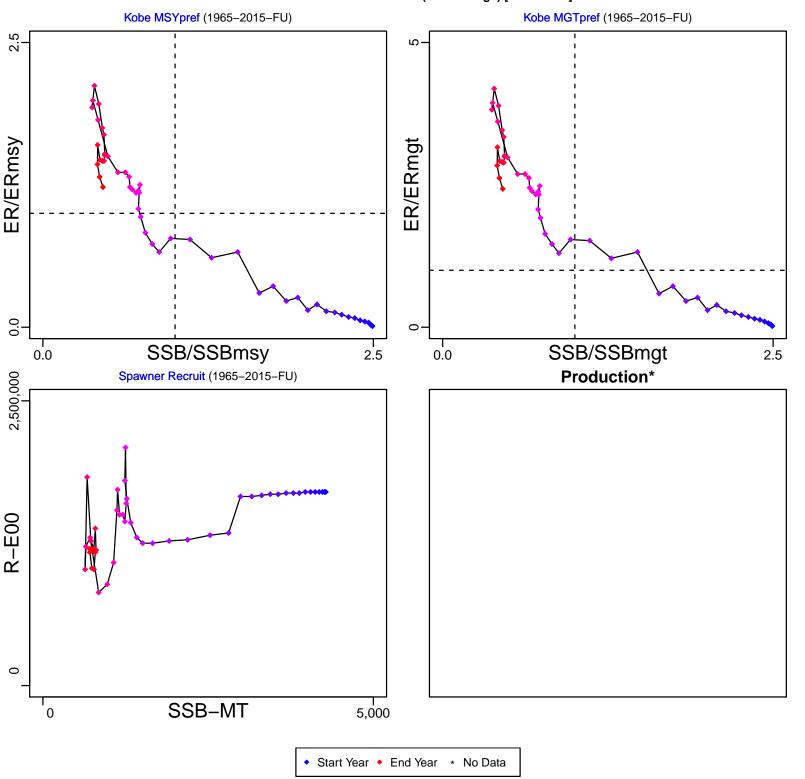
# Paua New Zealand Area PAU 7 (Marlborough) [PAUAPAU7]

Metadata				
Scientific Name	Haliotis iris			
Current Assess ID	NIWA-PAUAPAU7-1965-2015-FU			
Area	New Zealand Area PAU 7 (Marlborough)			
Management Authority	Ministry of Fisheries, New Zealand national management			
Assessor	National Institute of Water and Atmospheric Research			
Asmts in RAM	2011, 2015			

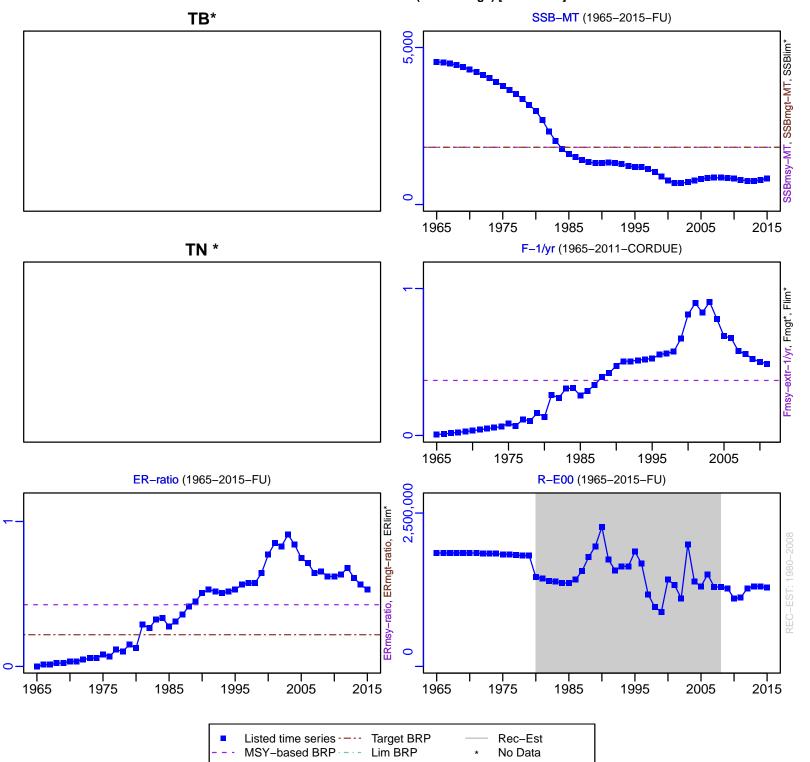
Reference Points						
Туре	ID	Asmt Year	Value			
TBmsy	TBmsy-calc-MT	2015	559			
SSBmsy	SSBmsy-MT	2015	1716			
Fmsy	Fmsy-extr-1/yr	2011	0.33			
ERmsy	ERmsy-ratio	2015	0.37			
TBmgt	-	-	-			
SSBmgt	SSBmgt-MT	2015	1716			
Fmgt	-	-	-			
ERmgt	ERmgt-ratio	2015	0.19			
TB0	-	-	-			
SSB0	SSB0-MT	2015	4291			
MSY	MSY-MT	2015	207			
М	M-1/yr	2015	0.11			
TBlim	-	-	-			
SSBlim	-	-	-			
Flim	-	-	-			
ERlim	-	-	-			

Time Series							
Туре	ID	Asmt Year	Curr Value	Sex	Age		
ТВ	-	-	-	-	-		
SSB	SSB-MT	2015	780	Both	-		
TN	-	-	-	-	-		
R	R-E00	2015	1,180,000	Both	-		
F	F-1/yr	2011	0.429	-	-		
ER	ER-ratio	2015	0.46	Both	-		
TC	TC-MT	2015	143				
TL	TL-MT	2015	135				
TB/TBmsy	-	-	-				
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	0.454				
F/Fmsy	FdivFmsy-dimensionless	2011	1.3				
ER/ERmsy	ERdivERmsy-dimensionless	2015	1.23				
TB/TBmgt	-	-	-				
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	0.454				
F/Fmgt	-	-	-				
ER/ERmgt	-	-	-				

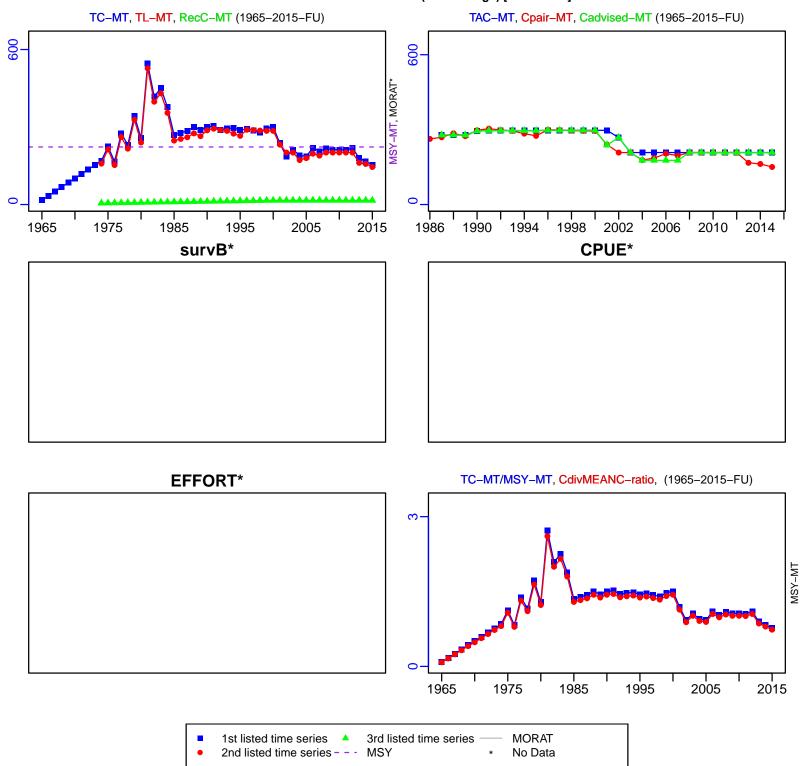
#### Paua New Zealand Area PAU 7 (Marlborough) [PAUAPAU7]



#### Paua New Zealand Area PAU 7 (Marlborough) [PAUAPAU7]



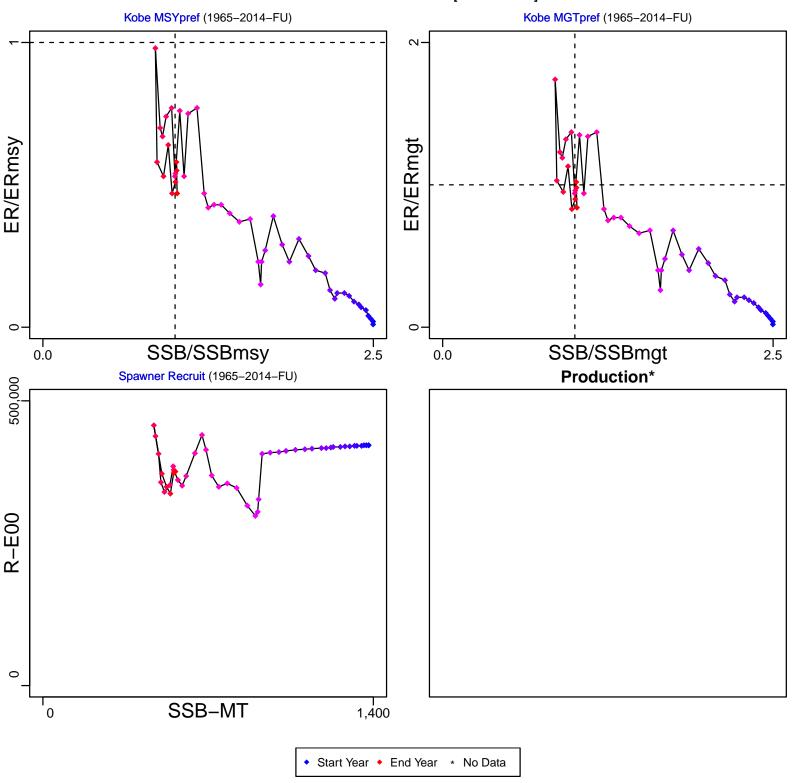
### Paua New Zealand Area PAU 7 (Marlborough) [PAUAPAU7]

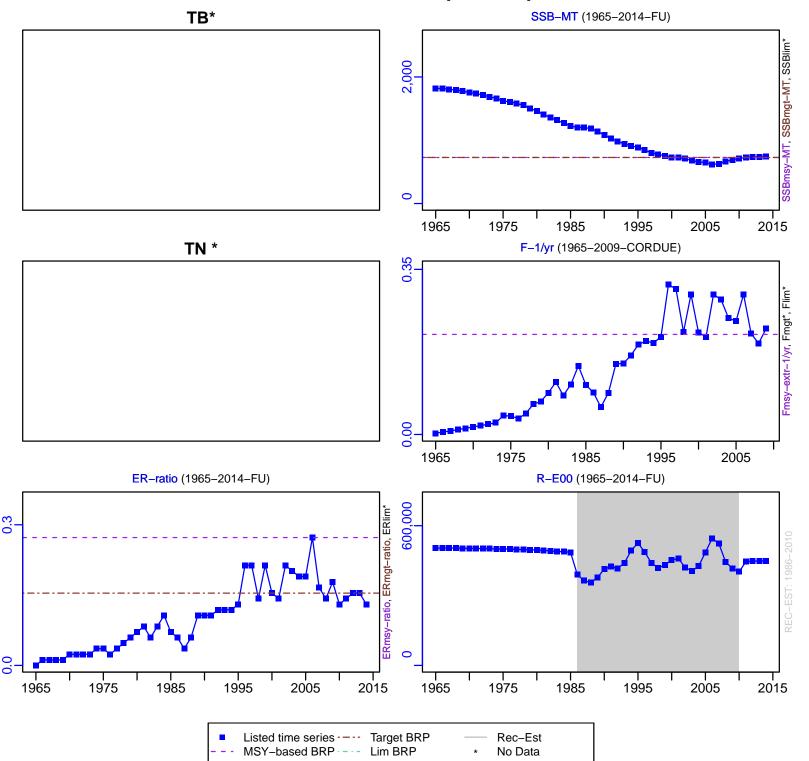


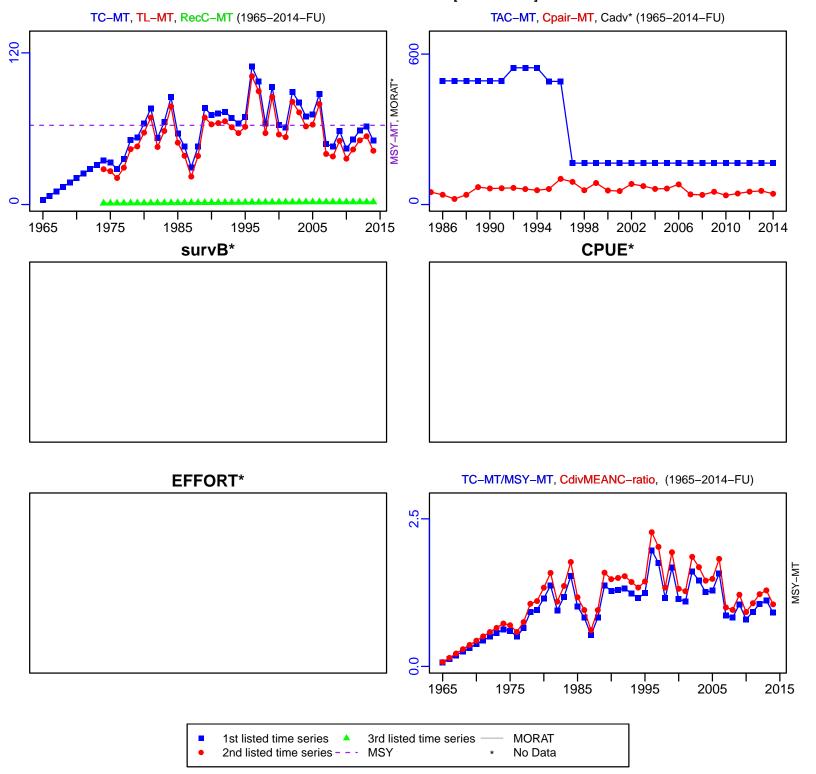
Metadata			
Scientific Name	Haliotis iris		
Current Assess ID NIWA-PAUASPAU5A-1965-2014-FU			
Area NZ Area South PAUA 5A			
Management Authority Ministry of Fisheries, New Zealand national management			
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2009, 2014		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2014	248	
SSBmsy	SSBmsy-MT	2014	552	
Fmsy	Fmsy-extr-1/yr	2009	0.21	
ERmsy	ERmsy-ratio	2014	0.23	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2014	552	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2014	0.13	
TB0	-	-	-	
SSB0	SSB0-MT	2014	1381	
MSY	MSY-MT	2014	57	
М	M-1/yr	2014	0.11	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2014	561	-	-
TN	-	-	-	-	-
R	R-E00	2014	376,000	Both	-
F	F-1/yr	2009	0.222	-	-
ER	ER-ratio	2014	0.11	Both	-
TC	TC-MT	2014	46		
TL	TL-MT	2014	39		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	1.016		
F/Fmsy	FdivFmsy-dimensionless	2009	1.06		
ER/ERmsy	ERdivERmsy-dimensionless	2014	0.47		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	1.016		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



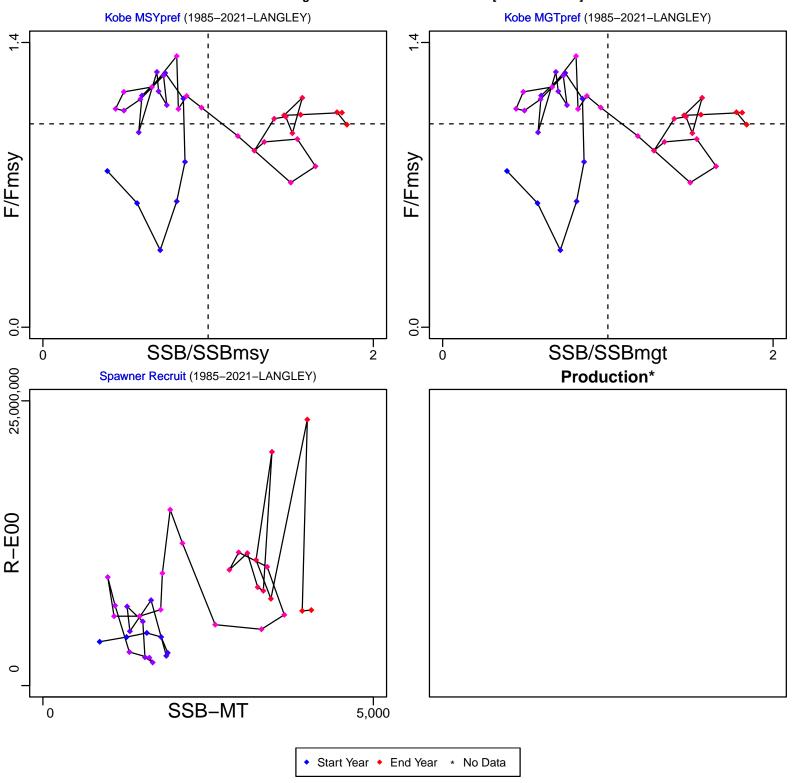


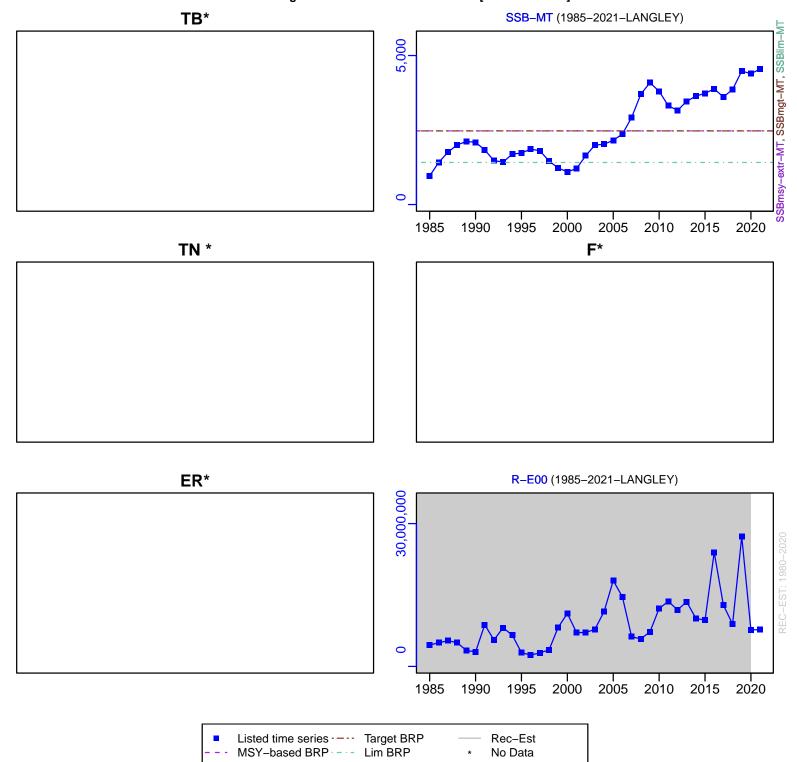


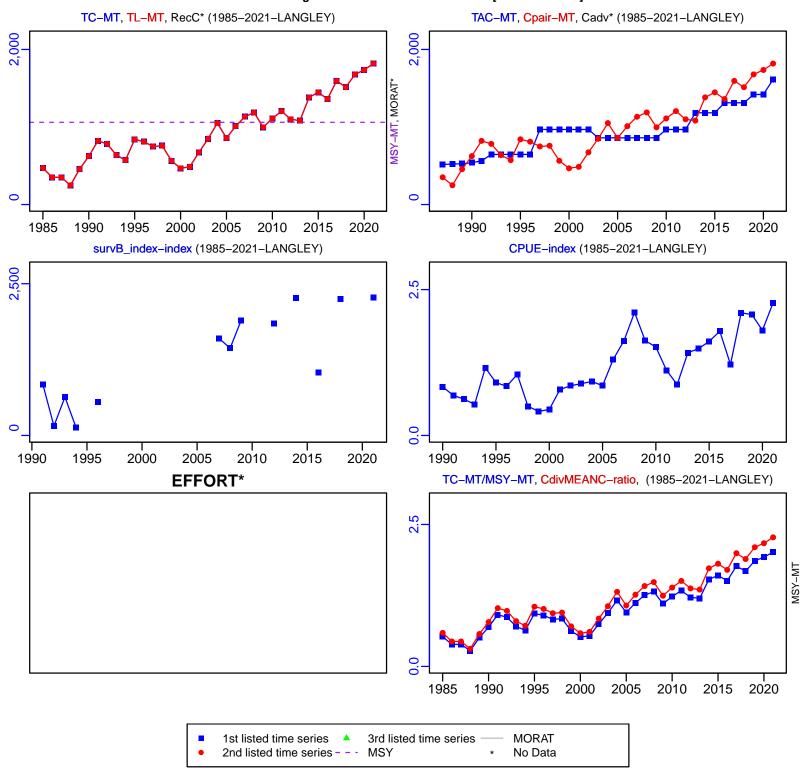
Metadata			
Scientific Name	Chelidonichthys kumu		
Current Assess ID NZMFishINSHOREWG-PRGURNGUR3-1985-2021-LANGLEY			
Area New Zealand Area GUR 7			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Inshore Working Group		
Asmts in RAM	2021		

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-extr-MT	2021	2208
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2021	2207
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2021	986
M	M-1/yr	2021	0.29
TBlim	-	-	-
SSBlim	SSBlim-MT	2021	1261
Flim	-	-	-
ERlim	-	-	-

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2021	4061	Females	-
TN	-	-	-	-	-
R	R-E00	2021	6,626,810	Both	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2021	1691		
TL	TL-MT	2021	1691		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2021	1.84		
F/Fmsy	FdivFmsy-dimensionless	2021	0.996		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2021	1.84		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



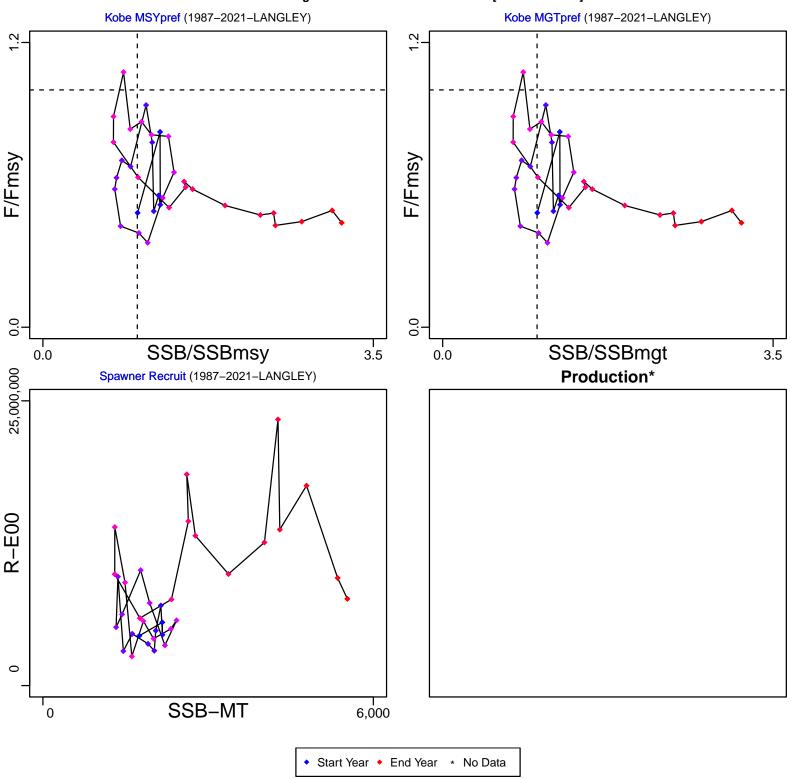


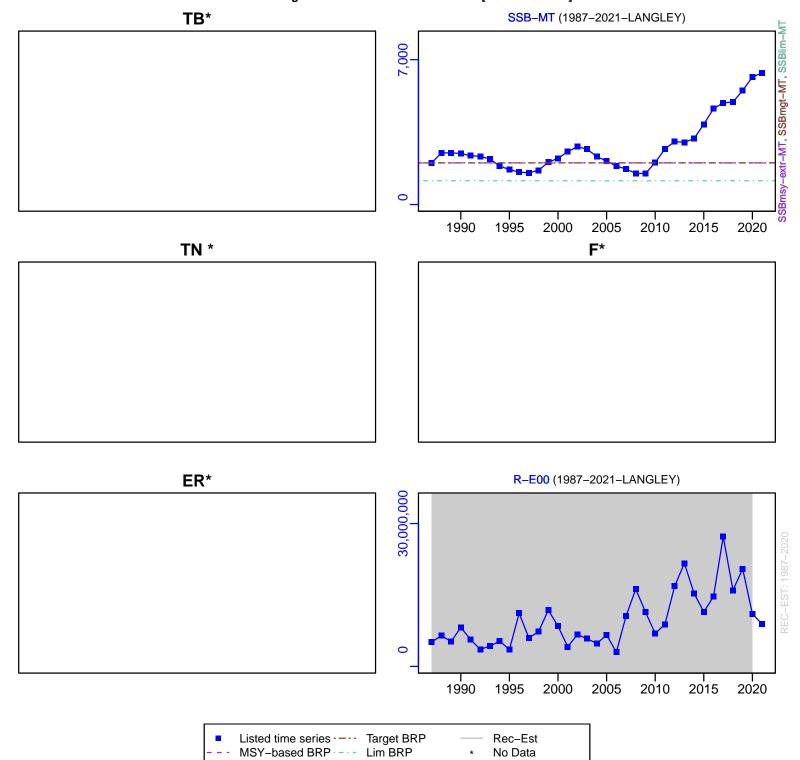


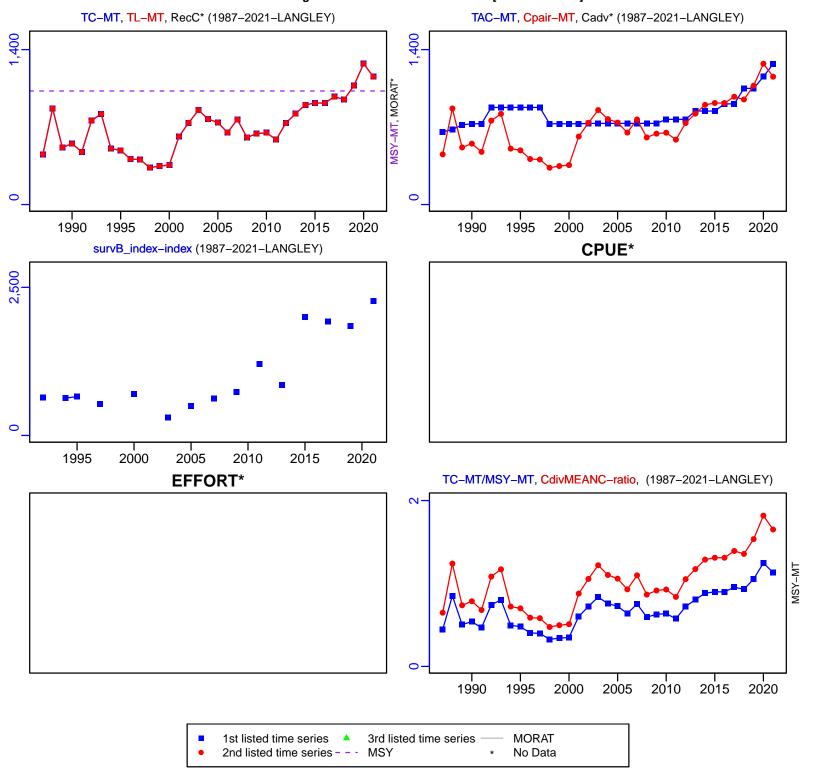
Metadata			
Scientific Name	Chelidonichthys kumu		
Current Assess ID NZMFishINSHOREWG-PRGURNGUR7-1987-2021-LANGLEY			
Area New Zealand Area GUR 7			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Inshore Working Group		
Asmts in RAM	2021		

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-extr-MT	2021	1746
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2021	1747
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2021	953
M	M-1/yr	2021	0.31
TBlim	-	-	-
SSBlim	SSBlim-MT	2021	998
Flim	-	-	-
ERlim	-	-	-

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2021	5528	Females	-
TN	-	-	-	-	-
R	R-E00	2021	7,614,530	Both	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2021	1073		
TL	TL-MT	2021	1073		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2021	3.165		
F/Fmsy	FdivFmsy-dimensionless	2021	0.44		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2021	3.164		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



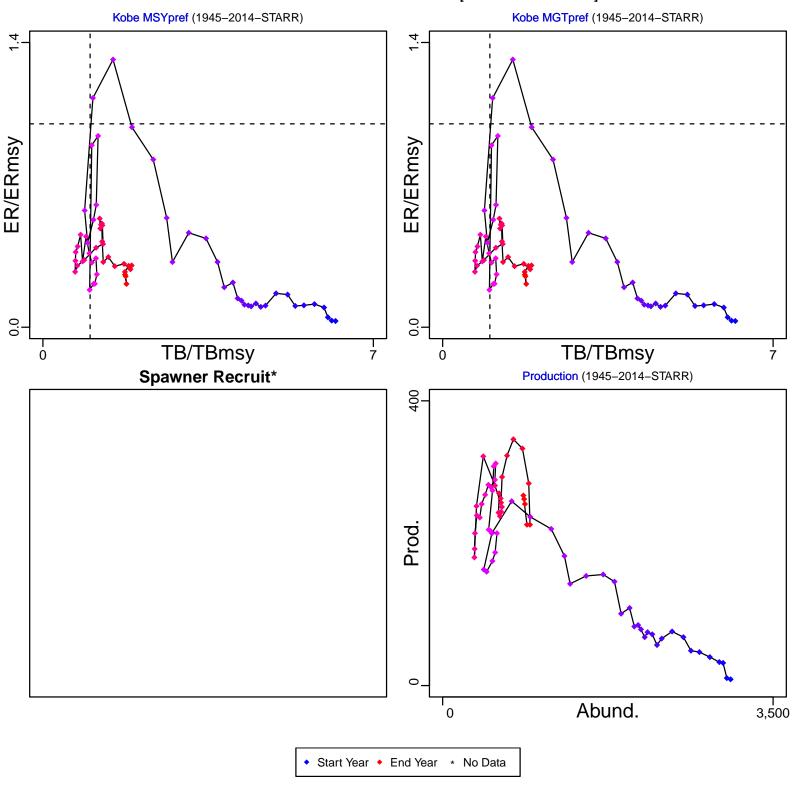


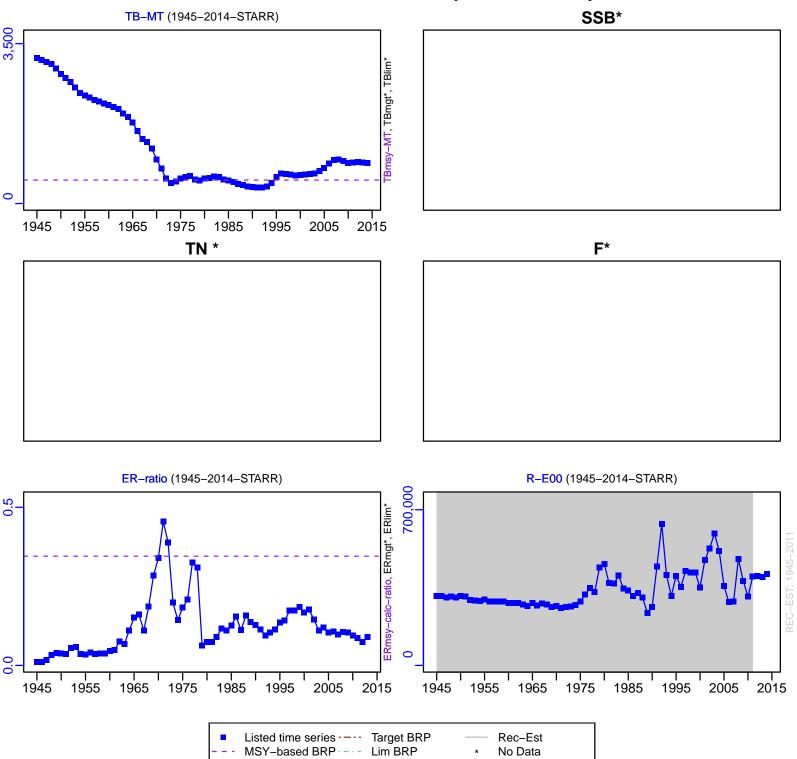


Metadata			
Scientific Name	Jasus edwardsii		
Current Assess ID NZMFishLOBSTERWG-RROCKLOBSTERCRA1-1945-2014-STARR			
Area New Zealand Area CRA1			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Lobster Working Group		
Asmts in RAM	2001, 2014		

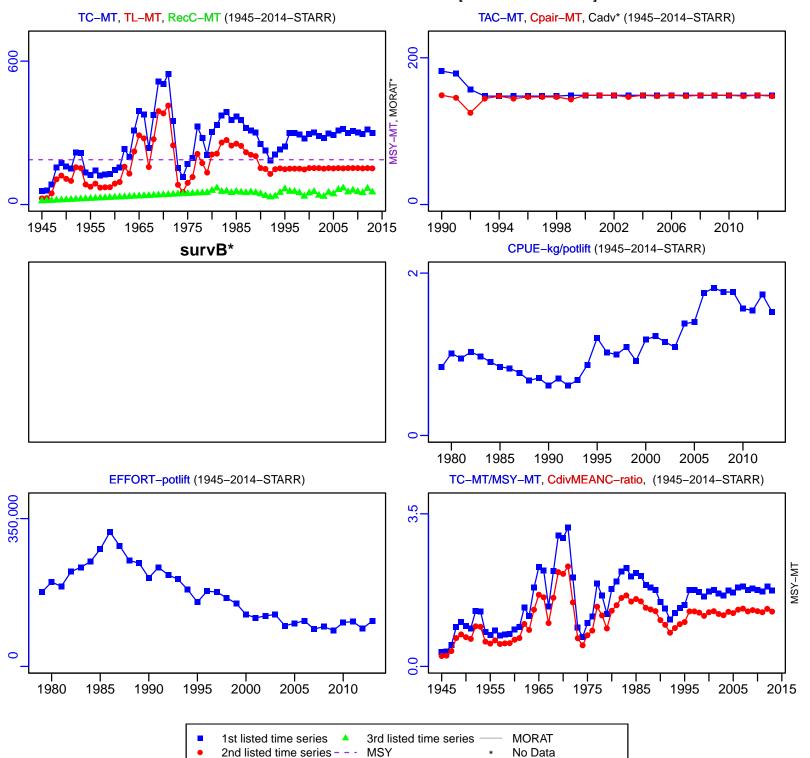
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2014	492
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-calc-ratio	2014	0.327
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	161
М	M-1/yr	2014	0.125
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2014	851	Both	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-E00	2014	384,000	Both	-
F	-	-	-	-	-
ER	ER-ratio	2014	0.084	Both	-
TC	TC-MT	2014	257		
TL	TL-MT	2014	130		
TB/TBmsy	TB-MT/TBmsy-MT	2014	1.73		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-calc-ratio	2014	0.258		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





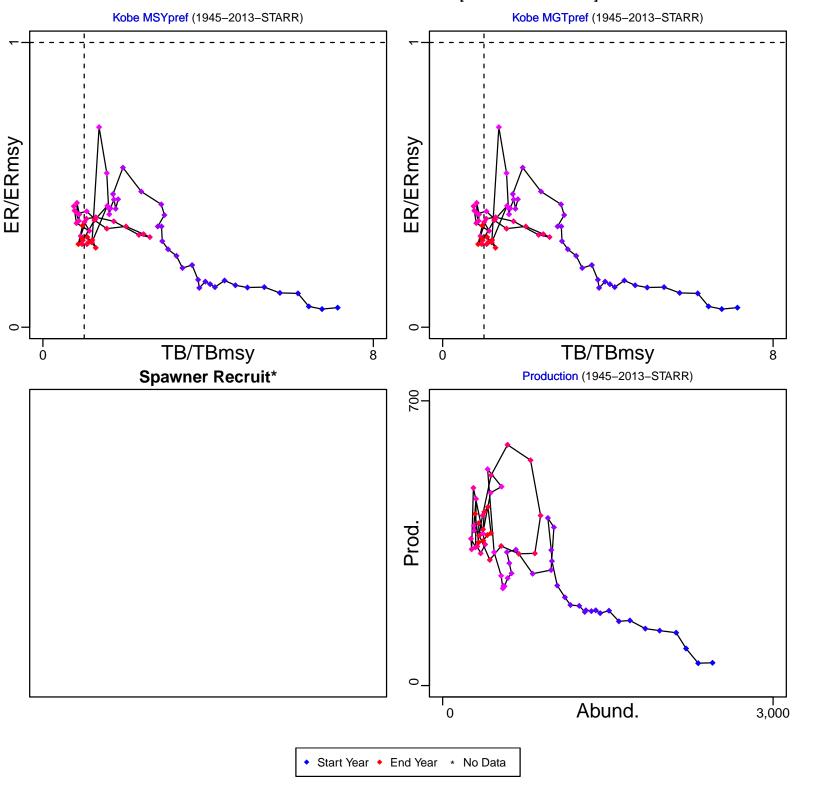
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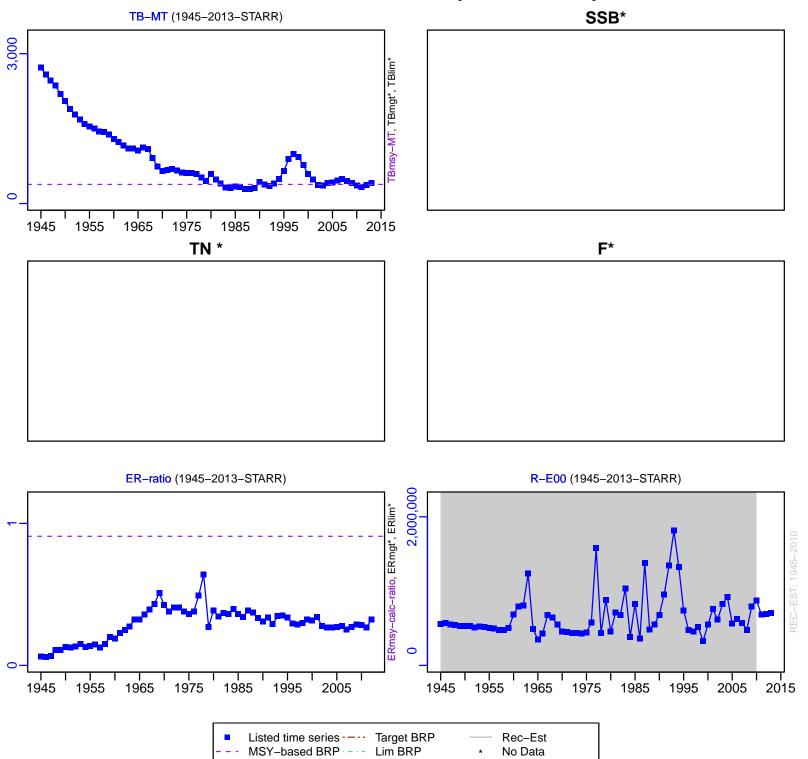


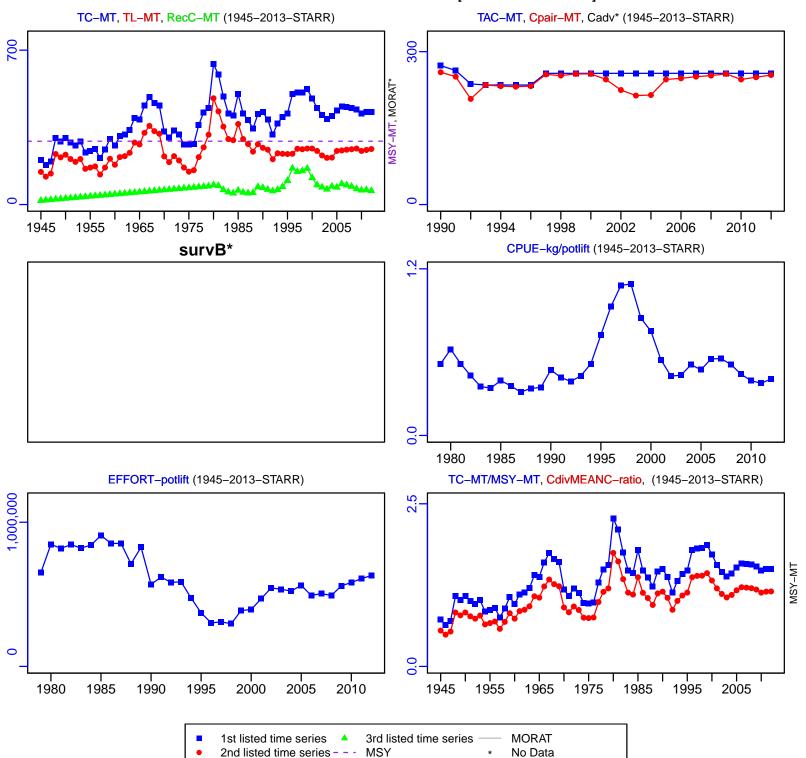
Metadata			
Scientific Name	Jasus edwardsii		
Current Assess ID	NZMFishLOBSTERWG-RROCKLOBSTERCRA2-1945-2013-STARR		
Area New Zealand Area CRA2			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Lobster Working Group		
Asmts in RAM	2001, 2013		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-MT	2013	343	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	ERmsy-calc-ratio	2013	0.774	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2013	266	
M	M-1/yr	2013	0.161	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2013	366	Both	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-E00	2013	627,000	Both	-
F	-	-	-	-	-
ER	ER-ratio	2013	0.276	Both	-
TC	TC-MT	2013	389		
TL	TL-MT	2013	233		
TB/TBmsy	TB-MT/TBmsy-MT	2013	1.066		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-calc-ratio	2013	0.357		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



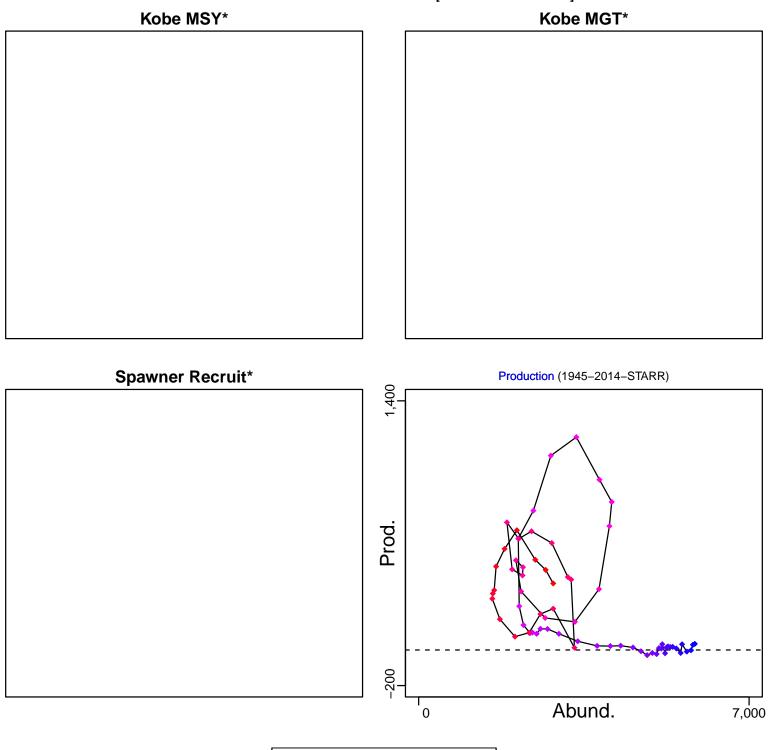




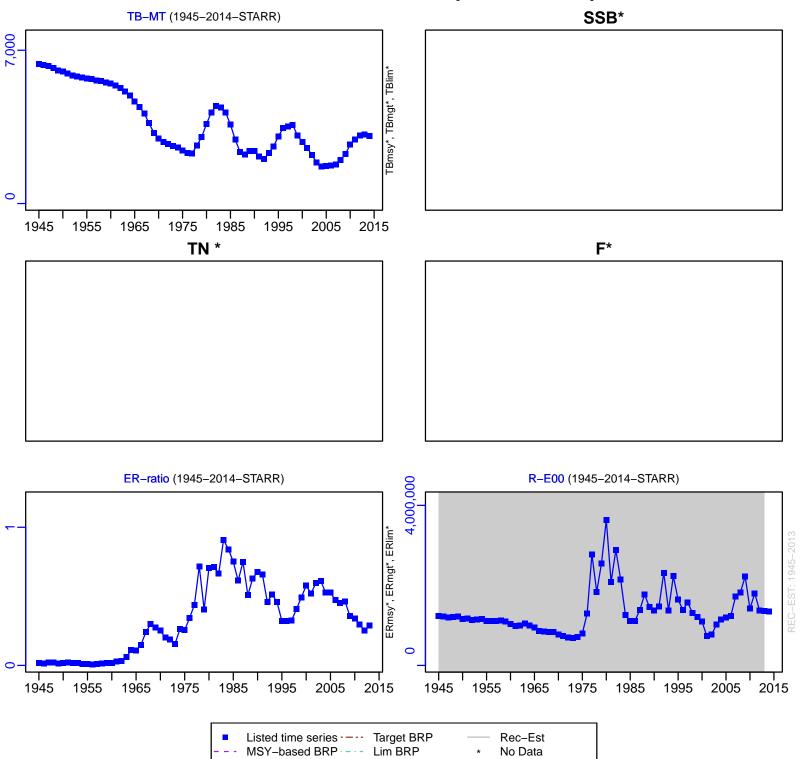
Metadata			
Scientific Name	Jasus edwardsii		
Current Assess ID	NZMFishLOBSTERWG-RROCKLOBSTERCRA3-1945-2014-STARR		
Area New Zealand Area CRA3			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Lobster Working Group		
Asmts in RAM	2007, 2014		

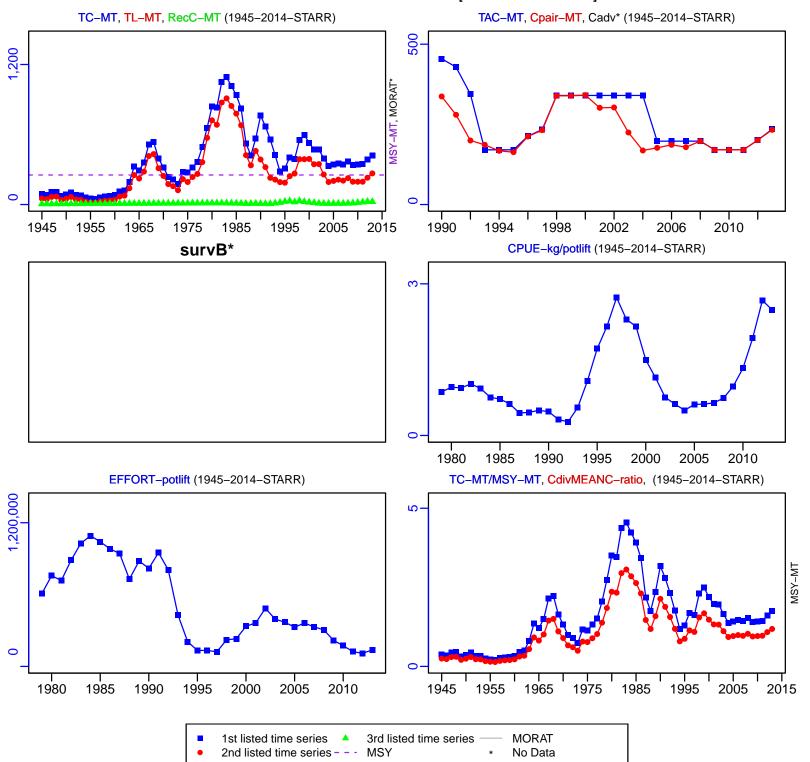
	Reference Points					
Туре	ID	Asmt Year	Value			
TBmsy	-	-	-			
SSBmsy	-	-	-			
Fmsy	-	-	-			
ERmsy	-	-	-			
TBmgt	-	-	-			
SSBmgt	-	-	-			
Fmgt	-	-	-			
ERmgt	-	-	-			
TB0	-	-	-			
SSB0	-	-	-			
MSY	MSY-MT	2014	212			
М	M-1/yr	2014	0.251			
TBlim	-	-	-			
SSBlim	-	-	-			
Flim	-	-	-			
ERlim	-	-	-			

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	TB-MT	2014	2840	Both	-	
SSB	-	-	-	-	-	
TN	-	-	-	-	-	
R	R-E00	2014	1,290,000	Both	-	
F	-	-	-	-	-	
ER	ER-ratio	2014	0.238	Both	-	
TC	TC-MT	2014	354			
TL	TL-MT	2014	224			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	-	-	-			
ER/ERmgt	-	-	-			



Start Year → End Year → No Data

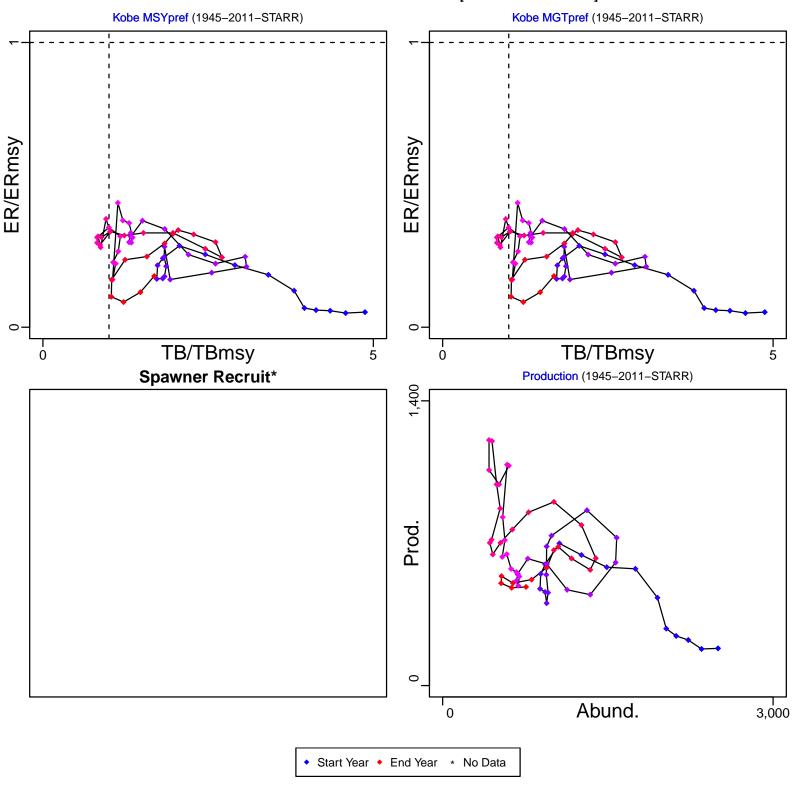


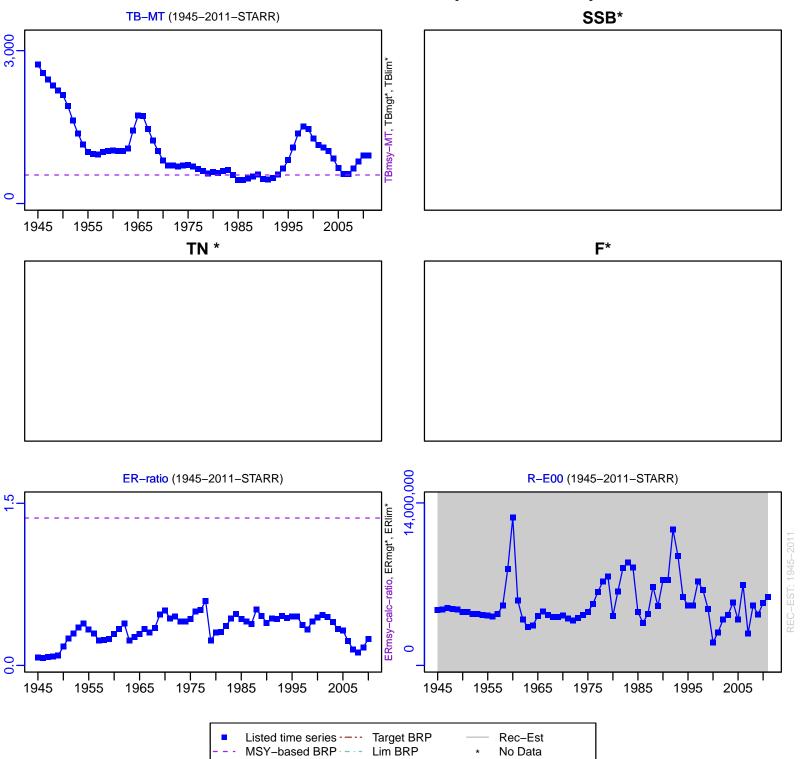


Metadata			
Scientific Name	Jasus edwardsii		
Current Assess ID NZMFishLOBSTERWG-RROCKLOBSTERCRA4-1945-2011-STARF			
Area New Zealand Area CRA4			
Management Authority Ministry of Fisheries, New Zealand national management			
Assessor	Lobster Working Group		
Asmts in RAM	2005, 2011		

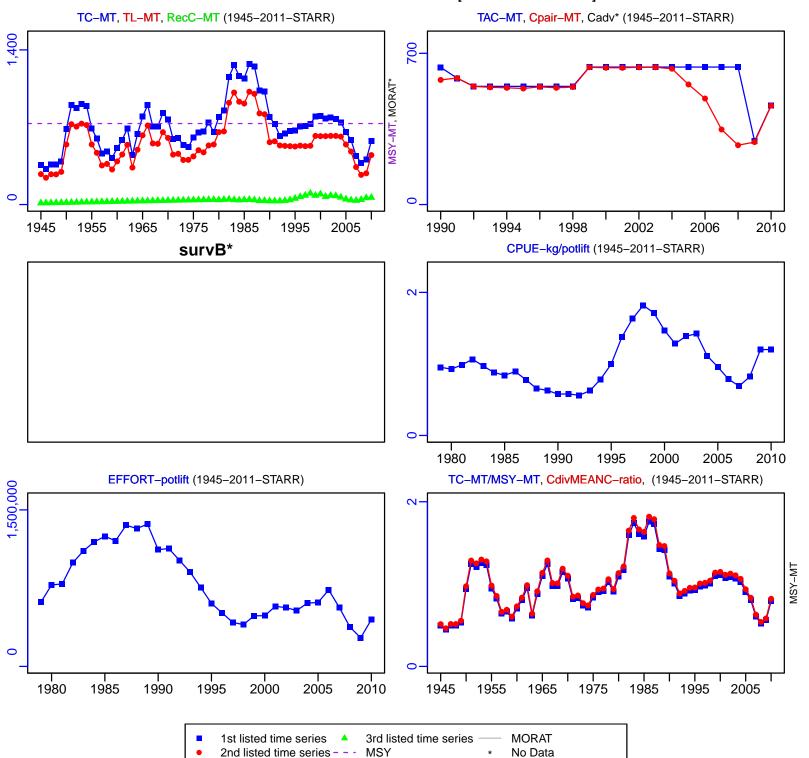
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-MT	2011	513	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	ERmsy-calc-ratio	2011	1.326	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2011	680	
М	M-1/yr	2011	0.322	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2011	863	Both	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-E00	2011	5,750,000	Both	-
F	-	-	-	-	-
ER	ER-ratio	2011	0.238	Both	-
TC	TC-MT	2011	533		
TL	TL-MT	2011	415		
TB/TBmsy	TB-MT/TBmsy-MT	2011	1.682		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-calc-ratio	2011	0.18		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





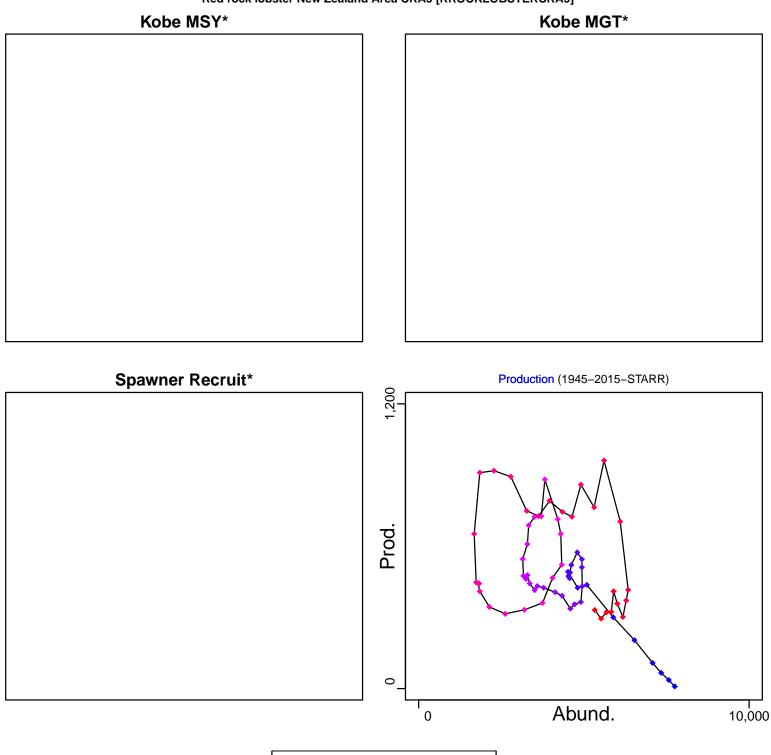
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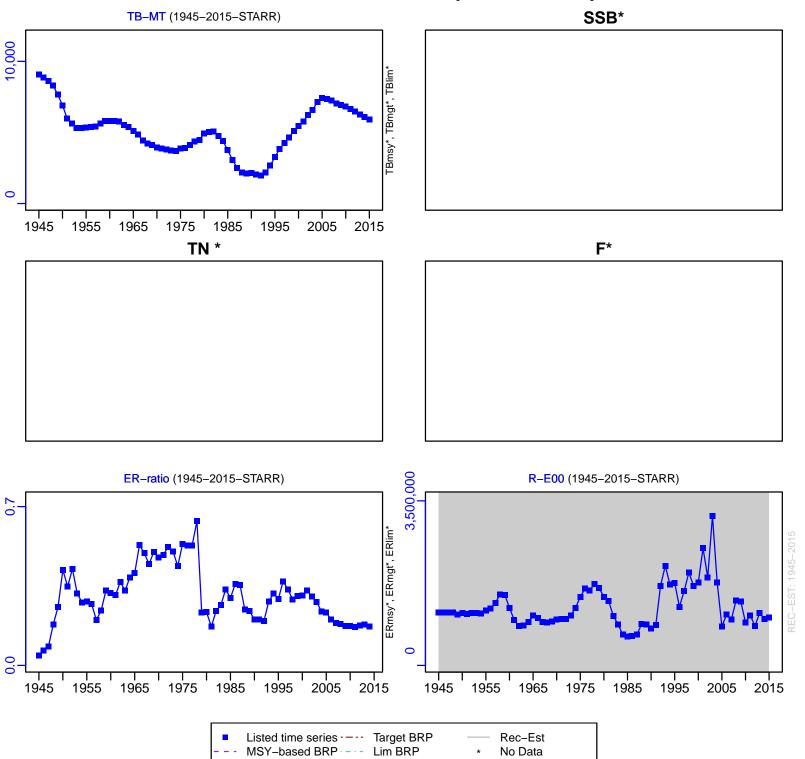
Metadata			
Scientific Name	Jasus edwardsii		
Current Assess ID	NZMFishLOBSTERWG-RROCKLOBSTERCRA5-1945-2015-STARR		
Area New Zealand Area CRA5			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Lobster Working Group		
Asmts in RAM	2002, 2015		

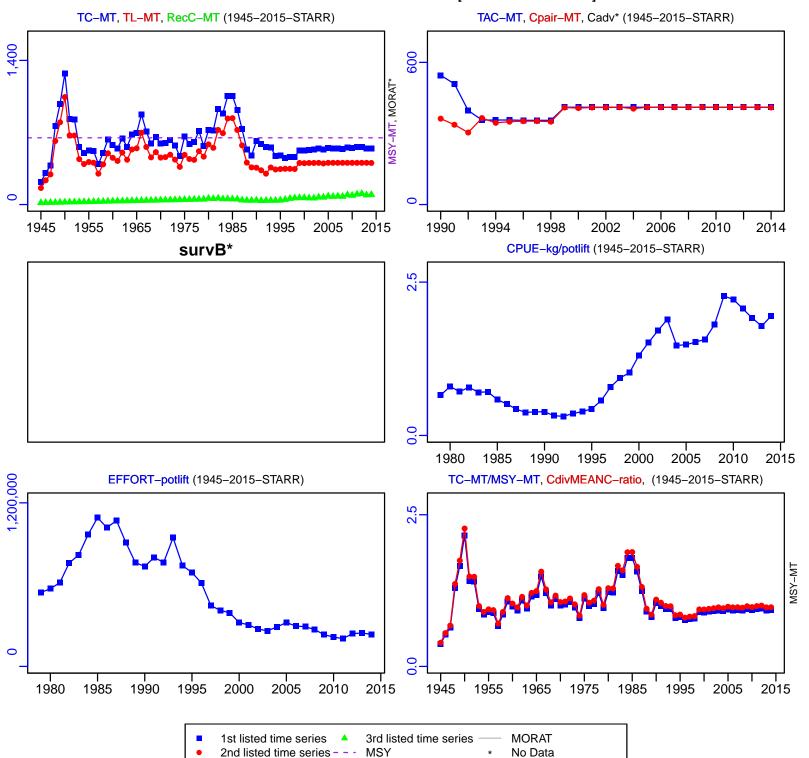
	Reference Points					
Туре	ID	Asmt Year	Value			
TBmsy	-	-	-			
SSBmsy	-	-	-			
Fmsy	-	-	-			
ERmsy	-	-	-			
TBmgt	-	-	-			
SSBmgt	-	-	-			
Fmgt	-	-	-			
ERmgt	-	-	-			
TB0	-	-	-			
SSB0	-	-	-			
MSY	MSY-MT	2015	560			
М	M-1/yr	2015	0.132			
TBlim	-	-	-			
SSBlim	-	-	-			
Flim	-	-	-			
ERlim	-	-	-			

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	TB-MT	2015	5050	Both	-	
SSB	-	-	-	-	-	
TN	-	-	-	-	-	
R	R-E00	2015	1,010,000	Both	-	
F	-	-	-	-	-	
ER	ER-ratio	2015	0.164	Both	-	
TC	TC-MT	2015	472			
TL	TL-MT	2015	349			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	-	-	-			
ER/ERmgt	-	-	-			



Start Year → End Year → No Data

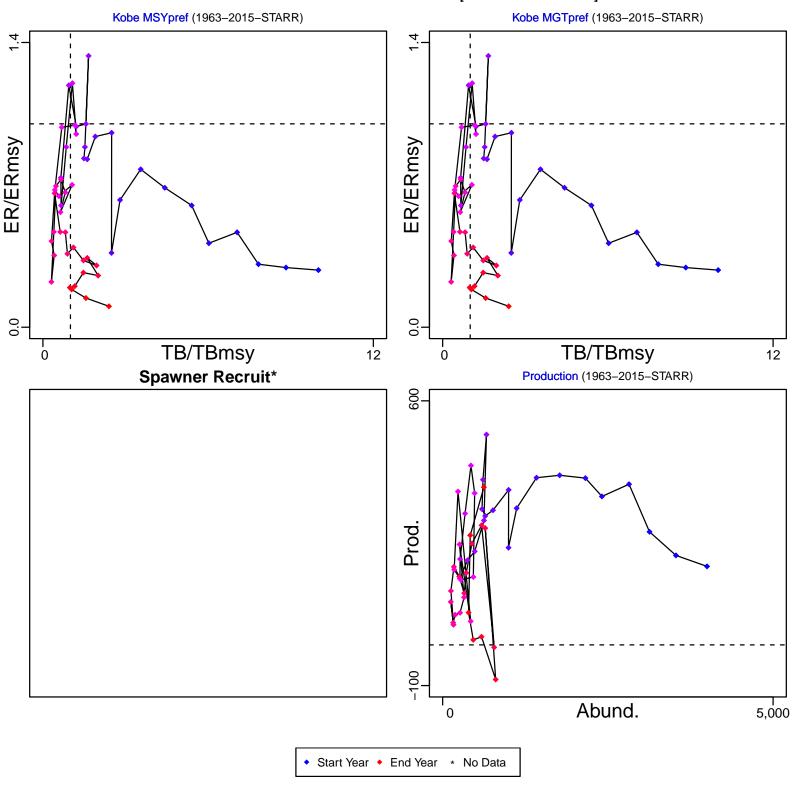


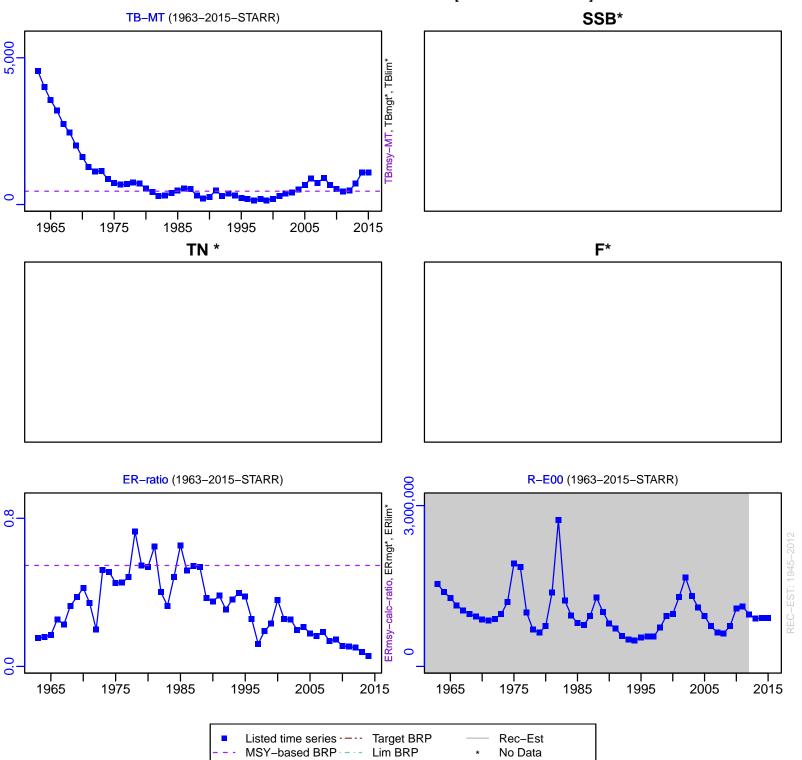


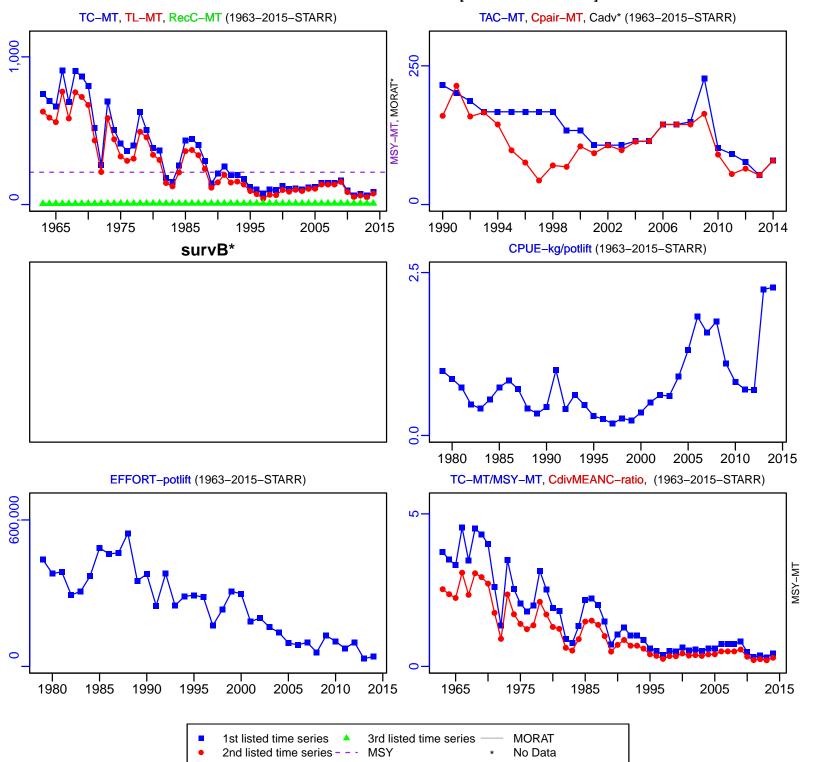
Metadata				
Scientific Name	Jasus edwardsii			
Current Assess ID	NZMFishLOBSTERWG-RROCKLOBSTERCRA7-1963-2015-STARR			
Area	New Zealand Area CRA7			
Management Authority	Ministry of Fisheries, New Zealand national management			
Assessor	Lobster Working Group			
Asmts in RAM	2015, 2005			

Reference Points						
Туре	ID	Asmt Year	Value			
TBmsy	TBmsy-MT	2015	400			
SSBmsy	-	-	-			
Fmsy	-	-	-			
ERmsy	ERmsy-calc-ratio	2015	0.484			
TBmgt	-	-	-			
SSBmgt	-	-	-			
Fmgt	-	-	-			
ERmgt	-	-	-			
TB0	-	-	-			
SSB0	-	-	-			
MSY	MSY-MT	2015	194			
М	M-1/yr	2015	0.103			
TBlim	-	-	-			
SSBlim	-	-	-			
Flim	-	-	-			
ERlim	-	-	-			

Time Series							
Туре	ID	Asmt Year	Curr Value	Sex	Age		
ТВ	TB-MT	2015	962	Both	-		
SSB	-	-	-	-	-		
TN	-	-	-	-	-		
R	R-E00	2015	871,000	Both	-		
F	-	-	-	-	-		
ER	ER-ratio	2015	0.05	Both	-		
TC	TC-MT	2015	75				
TL	TL-MT	2015	66				
TB/TBmsy	TB-MT/TBmsy-MT	2015	2.406				
SSB/SSBmsy	-	-	-				
F/Fmsy	-	-	-				
ER/ERmsy	ER-ratio/ERmsy-calc-ratio	2015	0.103				
TB/TBmgt	-	-	-				
SSB/SSBmgt	-	-	-				
F/Fmgt	-	-	-				
ER/ERmgt	-	-	-				



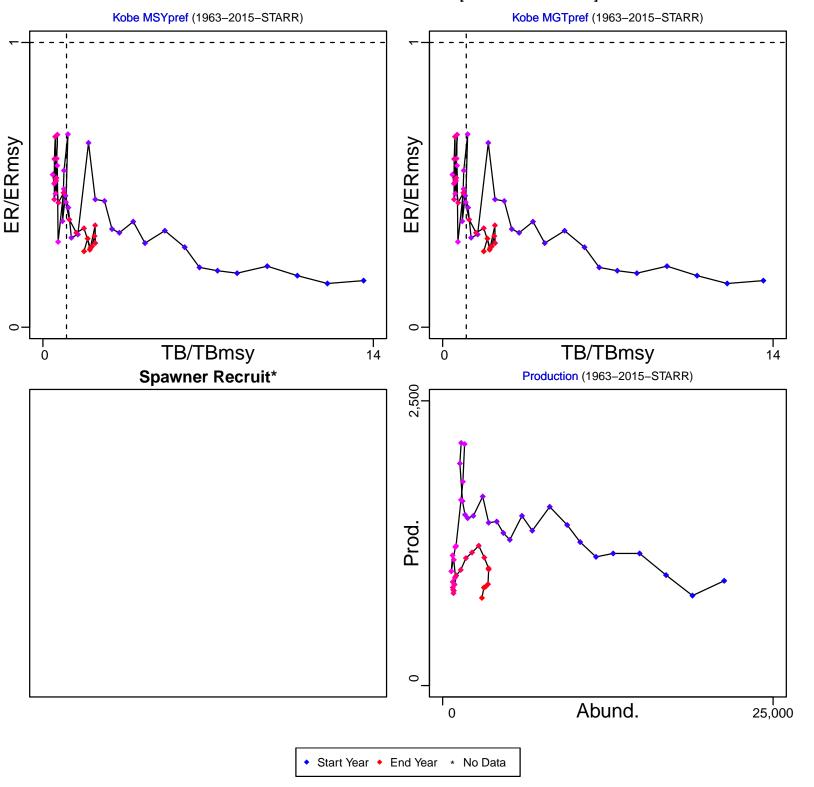


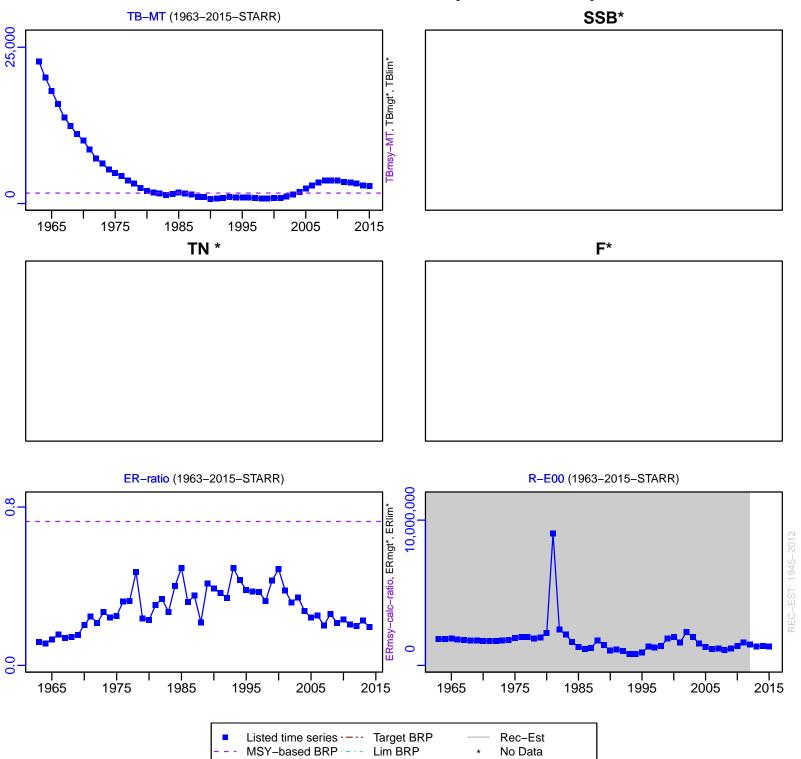


Metadata			
Scientific Name	Jasus edwardsii		
Current Assess ID	NZMFishLOBSTERWG-RROCKLOBSTERCRA8-1963-2015-STARR		
Area New Zealand Area CRA8			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Lobster Working Group		
Asmts in RAM	2015, 2005		

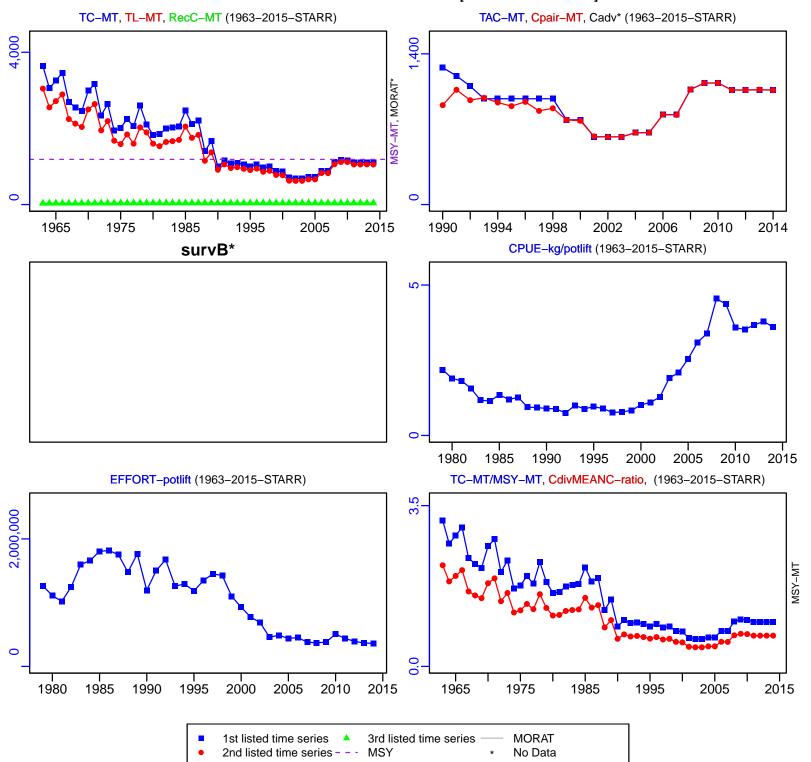
	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-MT	2015	1568		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	ERmsy-calc-ratio	2015	0.69		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	MSY-MT	2015	1083		
М	M-1/yr	2015	0.095		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	2630	Both	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-E00	2015	1,140,000	Both	-
F	-	-	-	-	-
ER	ER-ratio	2015	0.184	Both	-
TC	TC-MT	2015	1010		
TL	TL-MT	2015	960		
TB/TBmsy	TB-MT/TBmsy-MT	2015	1.678		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-calc-ratio	2015	0.266		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





No Data

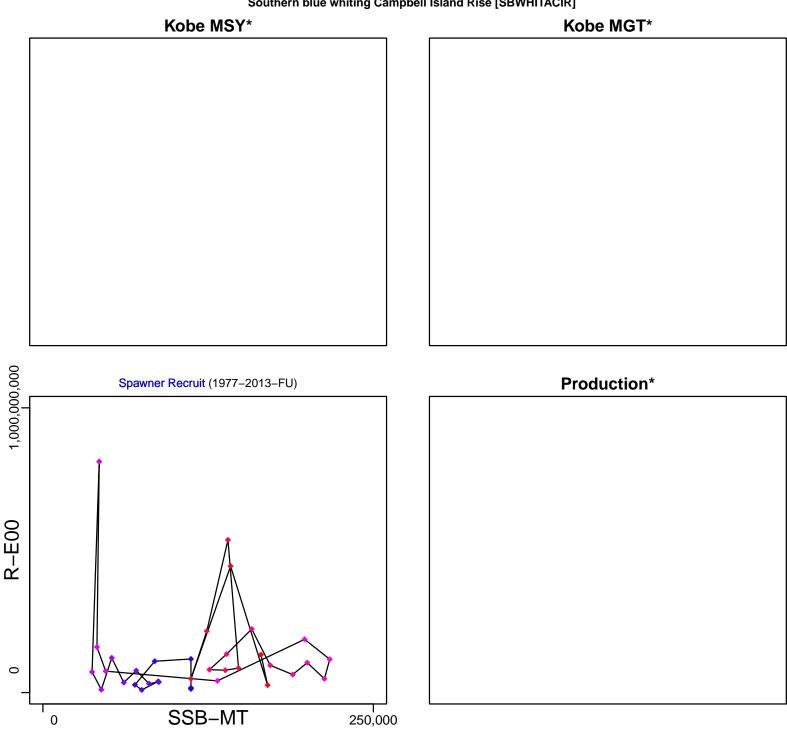


# Southern blue whiting Campbell Island Rise [SBWHITACIR]

Metadata			
Scientific Name	Micromesistius australis		
Current Assess ID	NZMFishMIDDEPTHSWG-SBWHITACIR-1977-2013-FU		
Area Campbell Island Rise			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Middle Depths Working Group		
Asmts in RAM	2013, 2011		

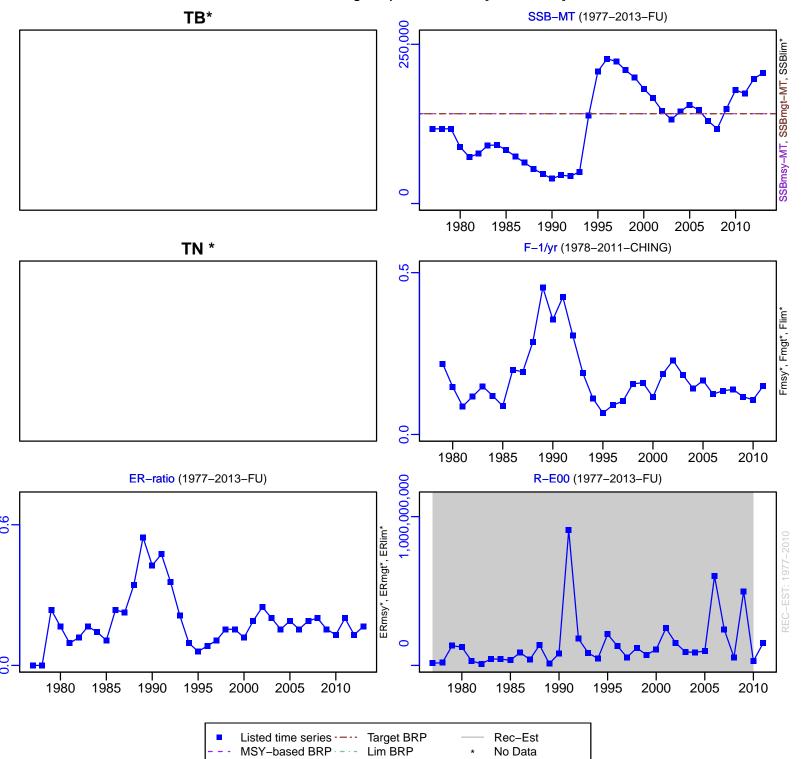
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2013	134,634	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2013	134,634	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2013	336,585	
MSY	-	-	-	
M	M-1/yr	2013	0.2	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2013	196,000	-	2 to 15
TN	-	-	-	-	-
R	R-E00	2013	$1.33 \times 10^{8}$	Both	-
F	F-1/yr	2011	0.145	-	-
ER	ER-ratio	2013	0.14	Both	2 to 15
TC	TC-MT	2013	28,600		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2013	1.456		
F/Fmsy	-	-	-		
ER/ERmsy	1	-	-		
TB/TBmgt	•	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2013	1.456		
F/Fmgt	•	-	-		
ER/ERmgt	-	-	-		

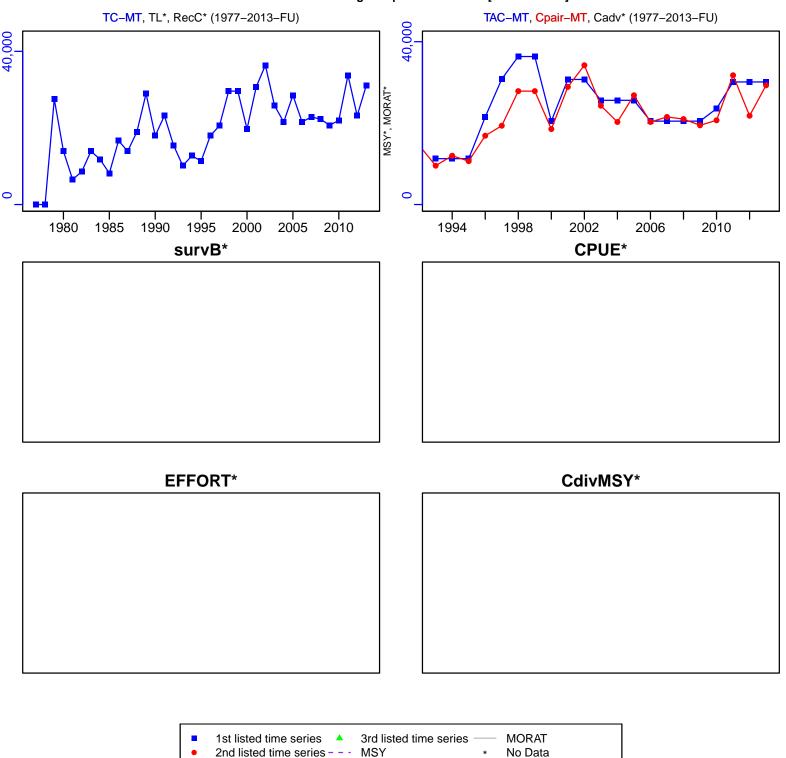


Start Year • End Year \* No Data

#### Southern blue whiting Campbell Island Rise [SBWHITACIR]



### Southern blue whiting Campbell Island Rise [SBWHITACIR]

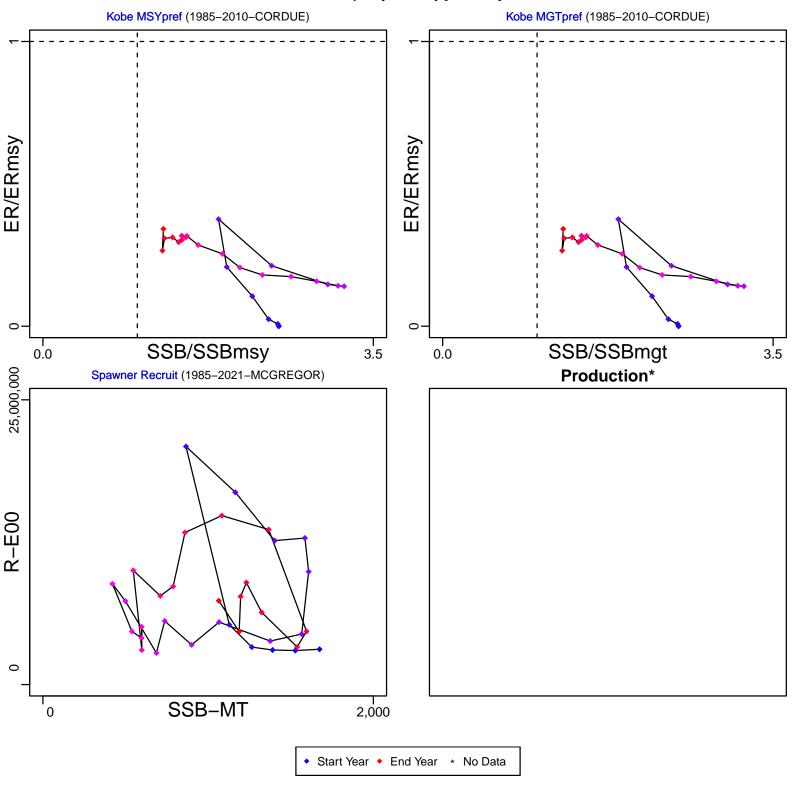


# Scampi Bay of Plenty [SCMPBP]

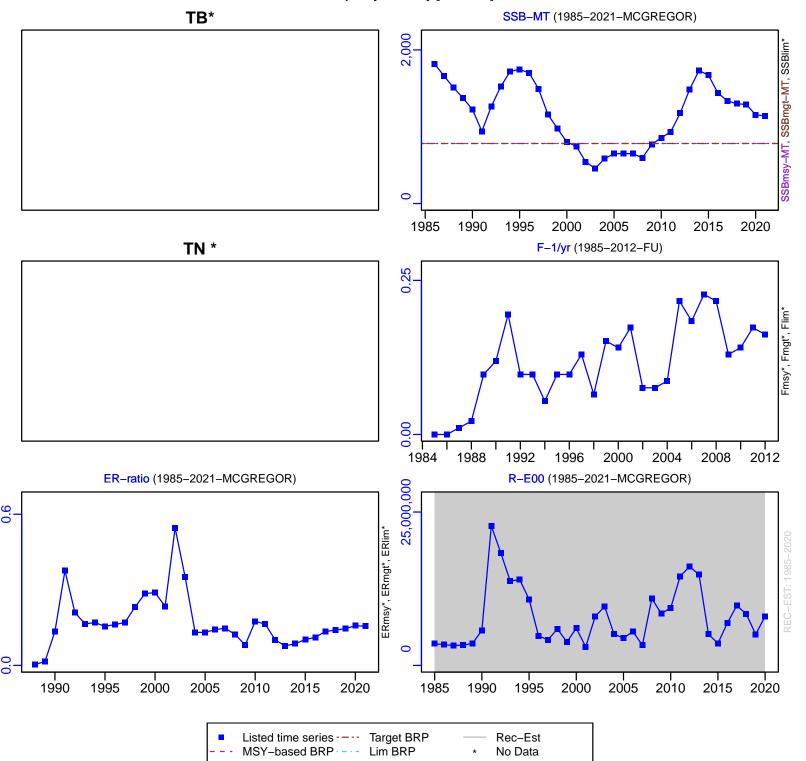
Metadata			
Scientific Name	Metanephrops challengeri		
Current Assess ID	NIWA-SCMPBP-1985-2021-MCGREGOR		
Area Bay of Plenty			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2010, 2012, 2019, 2021		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2012	3805	
SSBmsy	SSBmsy-MT	2021	720	
Fmsy	Fmsy-1/yr	2010	0.54	
ERmsy	ERmsy-ratio	2012	0.09	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2021	720	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2021	1800	
MSY	MSY-MT	2012	342	
М	M-1/yr	2021	0.25	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

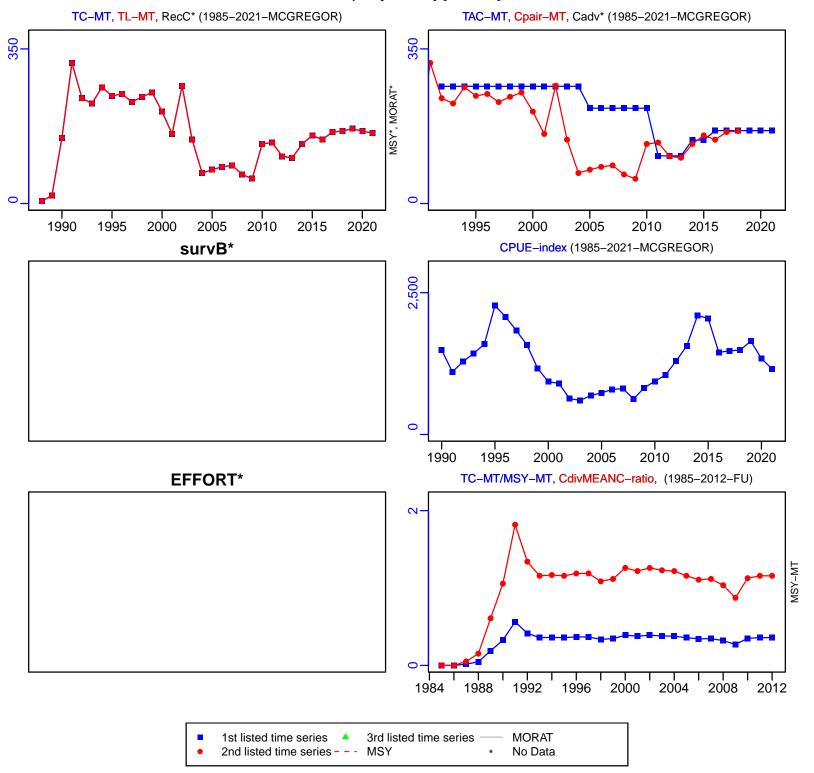
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2021	1050	-	-
TN	-	-	-	-	-
R	R-E00	2021	7,357,490	-	-
F	F-1/yr	2012	0.15	Females	-
ER	ER-ratio	2021	0.141	-	-
TC	TC-MT	2021	148		
TL	TL-MT	2021	148		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2021	1.458		
F/Fmsy	FdivFmsy-dimensionless	2010	0.253		
ER/ERmsy	ER-ratio/ERmsy-ratio	2010	0.342		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2021	1.458		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



#### Scampi Bay of Plenty [SCMPBP]



## Scampi Bay of Plenty [SCMPBP]

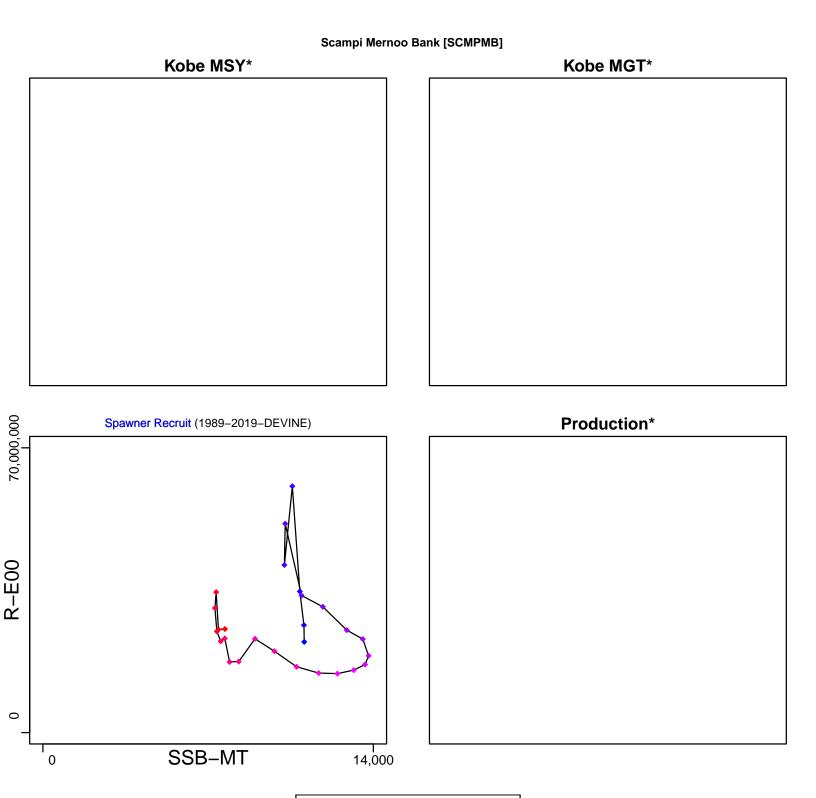


# Scampi Mernoo Bank [SCMPMB]

Metadata			
Scientific Name	Metanephrops challengeri		
Current Assess ID	NIWA-SCMPMB-1989-2019-DEVINE		
Area Mernoo Bank			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2014, 2019		

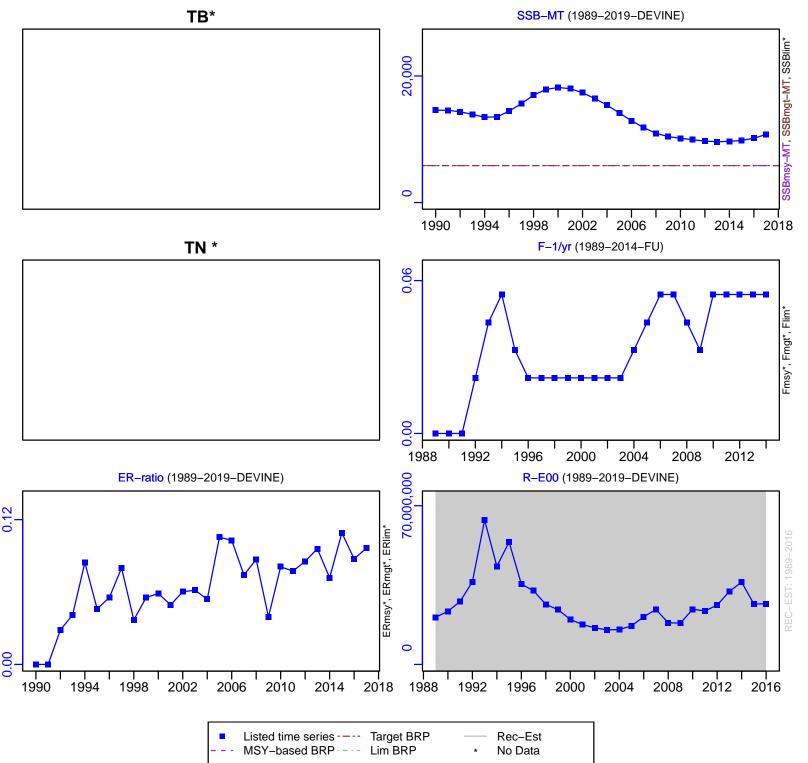
	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	SSBmsy-MT	2019	4429		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2019	4429		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	SSB0-MT	2019	11,072		
MSY	-	-	-		
М	M-1/yr	2014	0.25		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2019	8166	-	-
TN	-	-	-	-	-
R	R-E00	2019	25,457,017	-	1
F	F-1/yr	2014	0.05	Both	-
ER	ER-ratio	2019	0.084	-	-
TC	TC-MT	2019	353		
TL	TL-MT	2019	353		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2019	1.844		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2019	1.844		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

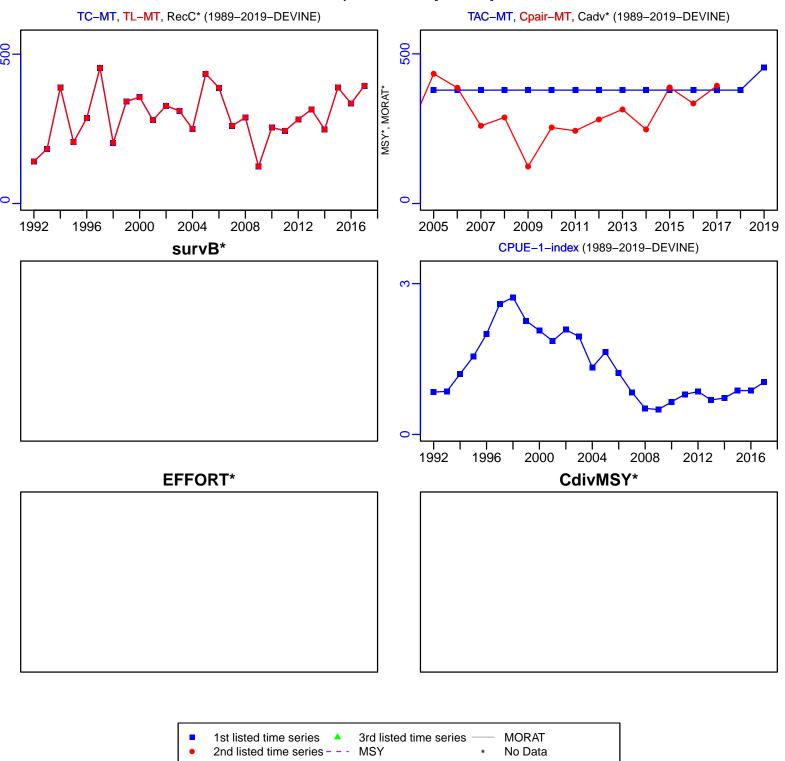


Start Year → End Year → No Data

### Scampi Mernoo Bank [SCMPMB]



# Scampi Mernoo Bank [SCMPMB]

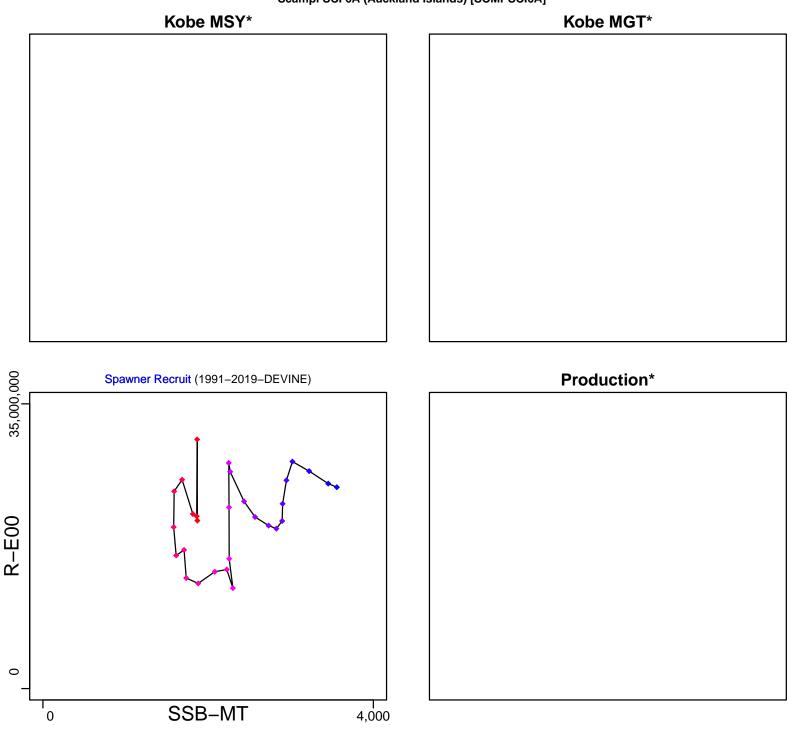


# Scampi SCI 6A (Auckland Islands) [SCMPSCI6A]

Metadata			
Scientific Name	Metanephrops challengeri		
Current Assess ID	NIWA-SCMPSCI6A-1991-2019-DEVINE		
Area	SCI 6A (Auckland Islands)		
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2019		

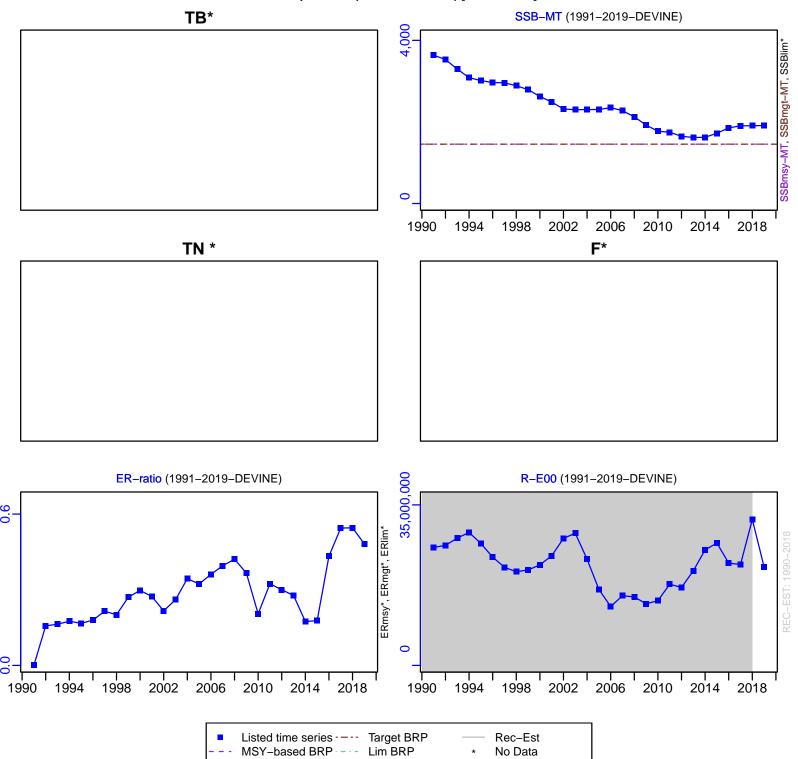
Reference Points				
Type	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2019	1424	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2019	1424	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2019	3559	
MSY	-	-	-	
М	M-1/yr	2019	0.25	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2019	1870	-	-
TN	-	-	-	-	-
R	R-E00	2019	20,650,716	-	-
F	-	-	-	-	-
ER	ER-ratio	2019	0.437	-	-
TC	TC-MT	2019	257		
TL	TL-MT	2019	257		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2019	1.313		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2019	1.313		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

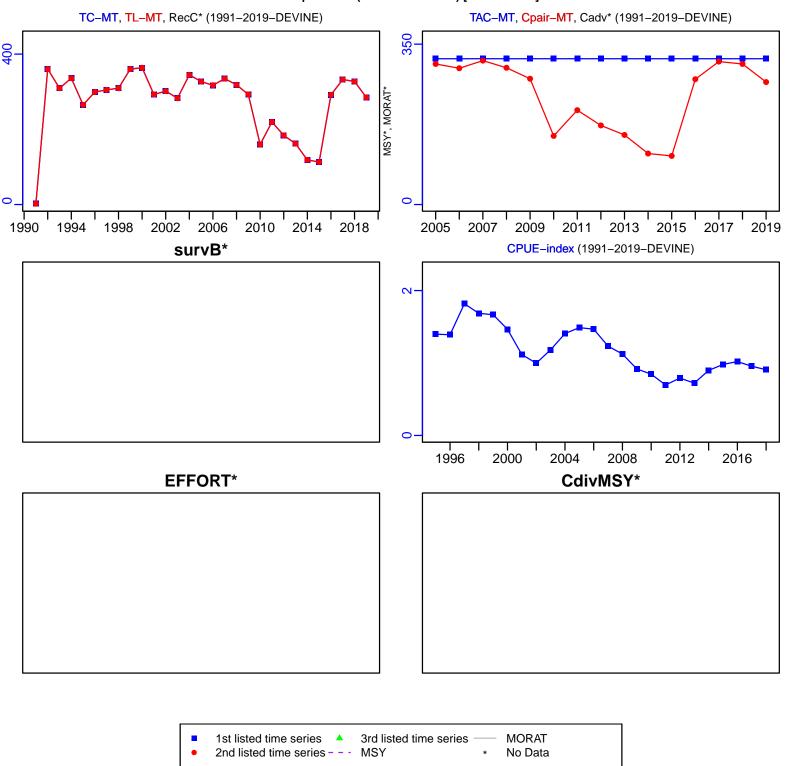


Start Year → End Year → No Data

#### Scampi SCI 6A (Auckland Islands) [SCMPSCI6A]



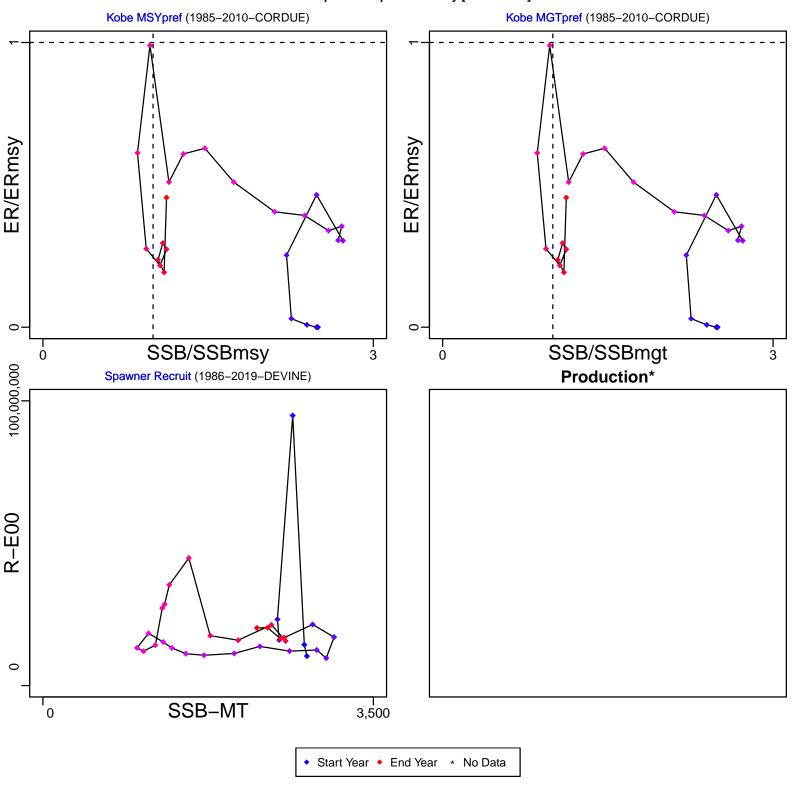
# Scampi SCI 6A (Auckland Islands) [SCMPSCI6A]

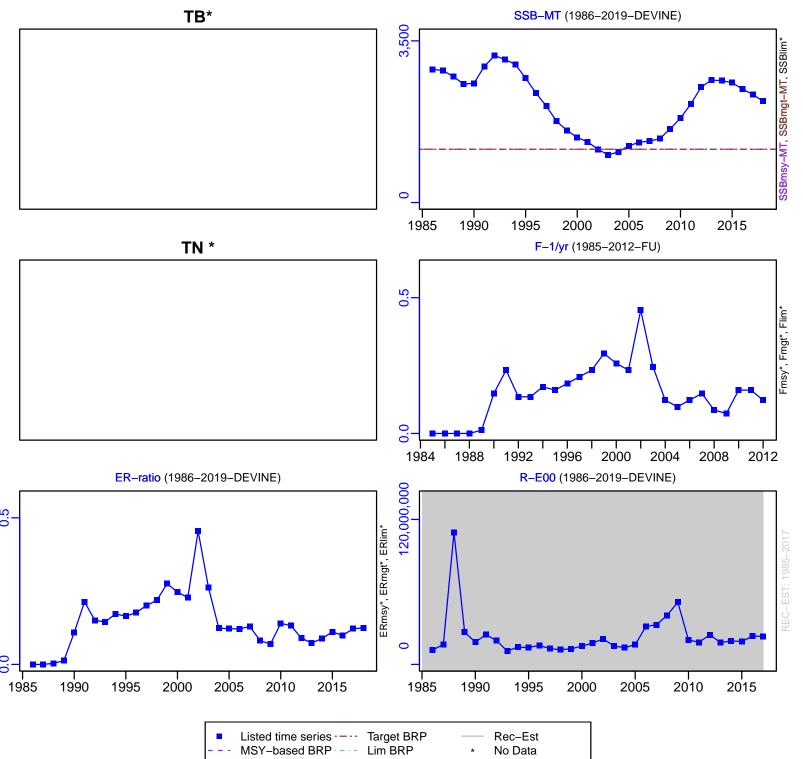


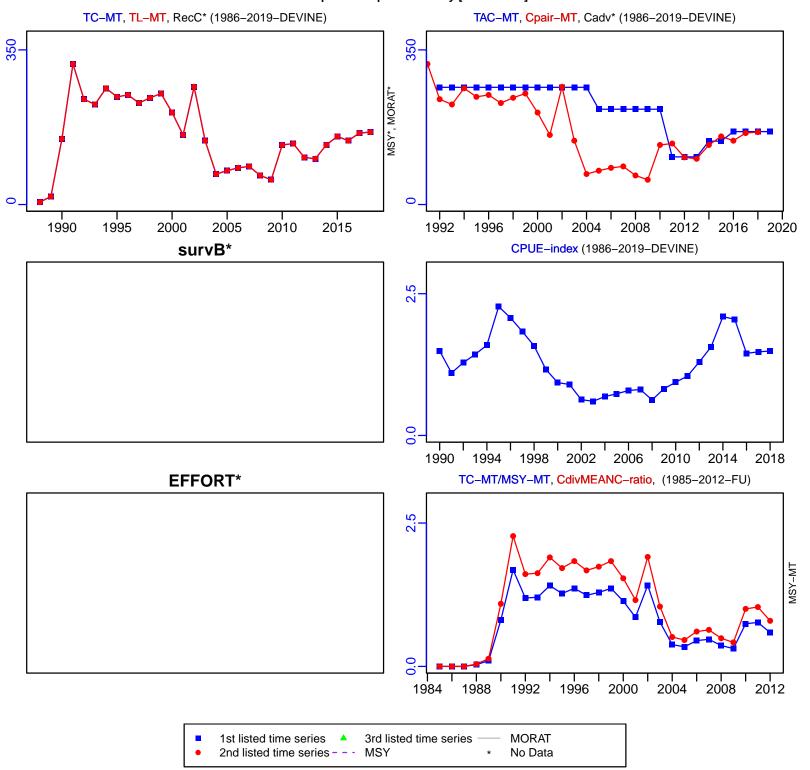
Metadata			
Scientific Name	Metanephrops challengeri		
Current Assess ID	NIWA-SCMPWHB-1986-2019-DEVINE		
Area Wairarapa/Hawke Bay			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2010, 2012, 2019		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2012	942	
SSBmsy	SSBmsy-MT	2019	1118	
Fmsy	Fmsy-1/yr	2010	0.51	
ERmsy	ERmsy-ratio	2012	0.206	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2019	1118	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2019	2796	
MSY	MSY-MT	2012	194	
М	M-1/yr	2019	0.25	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2019	2127	-	-
TN	-	-	-	-	-
R	R-E00	2019	20,243,938	-	1
F	F-1/yr	2012	0.1	Both	-
ER	ER-ratio	2019	0.109	-	-
TC	TC-MT	2019	152		
TL	TL-MT	2019	152		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2019	1.903		
F/Fmsy	FdivFmsy-dimensionless	2010	0.335		
ER/ERmsy	ER-ratio/ERmsy-ratio	2010	0.455		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2019	1.903		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



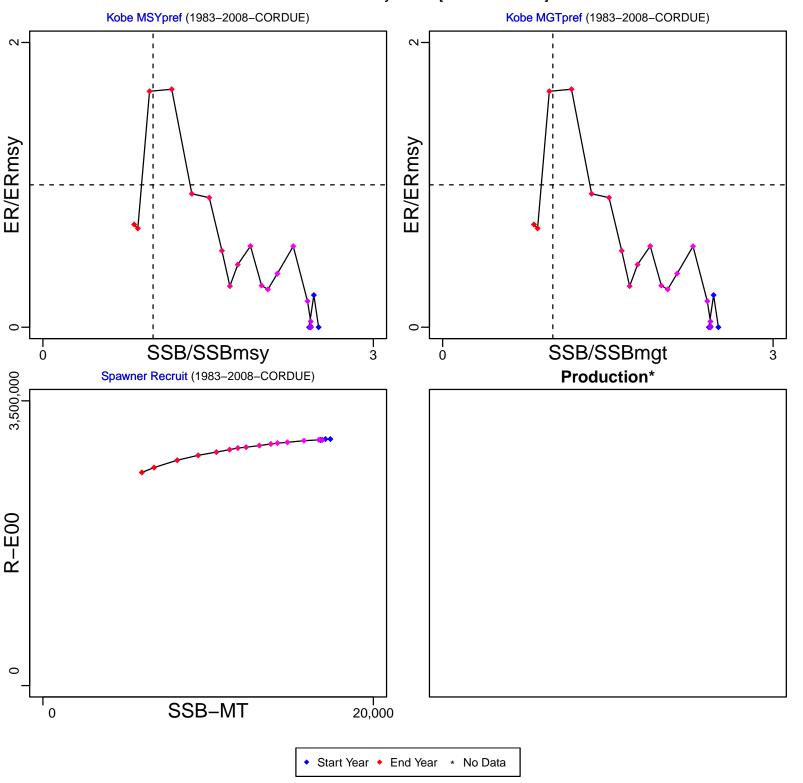


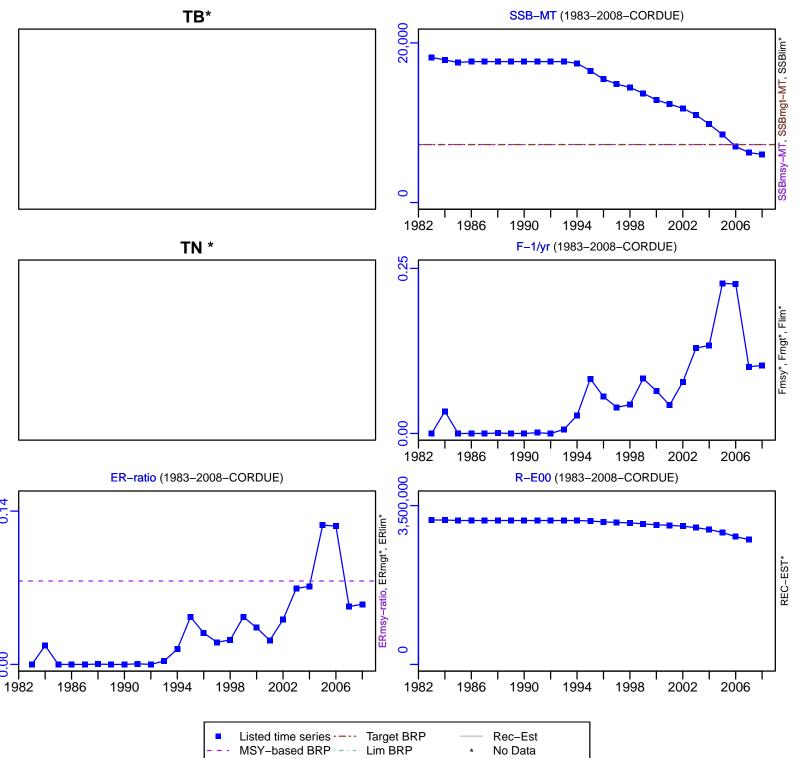


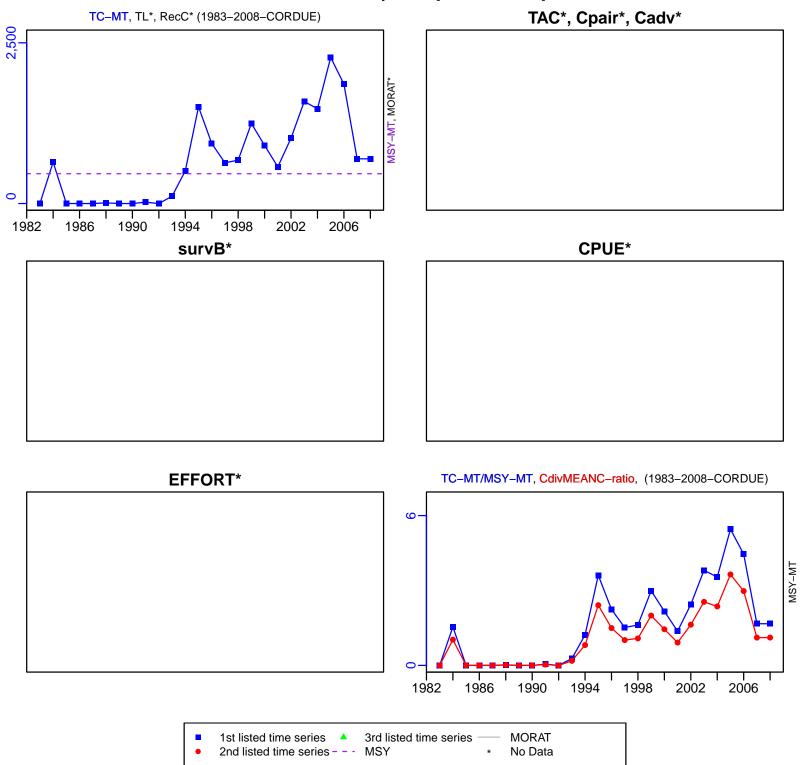
Metadata			
Scientific Name	Pseudocyttus maculatus		
Current Assess ID	NIWA-SMOOTHOREOBP-1983-2008-CORDUE		
Area	Bounty Plateau		
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2008		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-MT	2008	6386	
SSBmsy	SSBmsy-MT	2008	6951	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2008	0.07	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2008	6951	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2008	17,378	
MSY	MSY-MT	2008	447	
М	M-1/yr	2008	0.06	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2008	5760	Both	25+
TN	-	-	-	-	-
R	R-E00	2008	2,620,000	-	1
F	F-1/yr	2008	0.102	-	-
ER	ER-ratio	2008	0.051	-	-
TC	TC-MT	2008	670		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2008	0.829		
F/Fmsy	FdivFmsy-dimensionless	2008	1.42		
ER/ERmsy	ER-ratio/ERmsy-ratio	2008	0.721		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2008	0.829		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



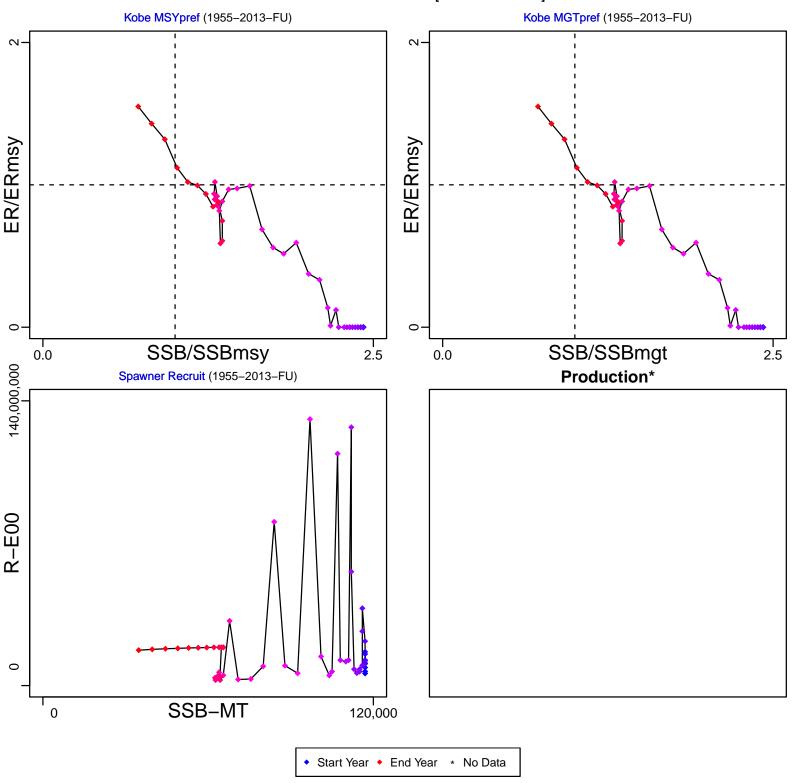


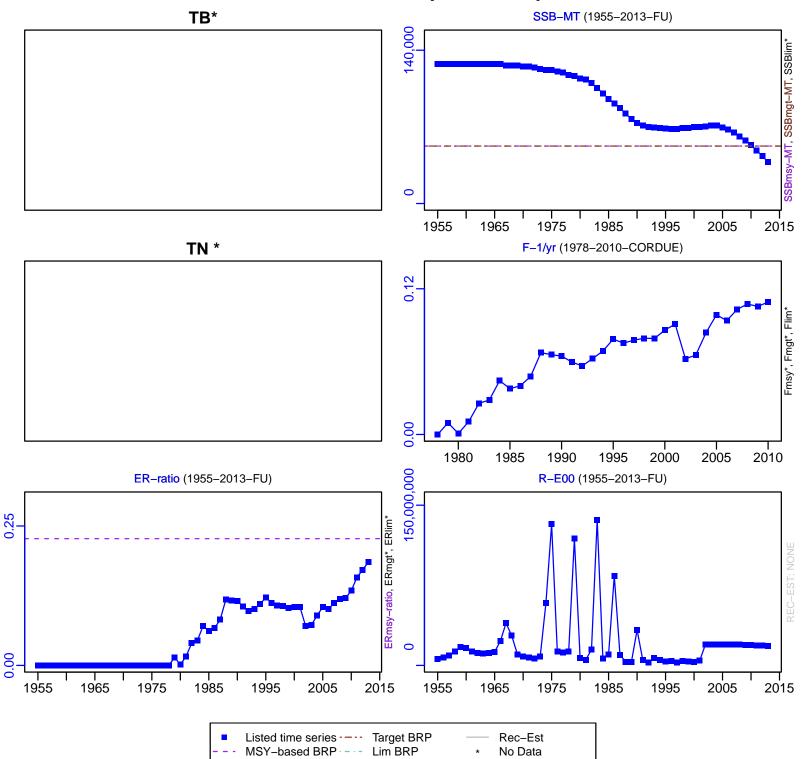


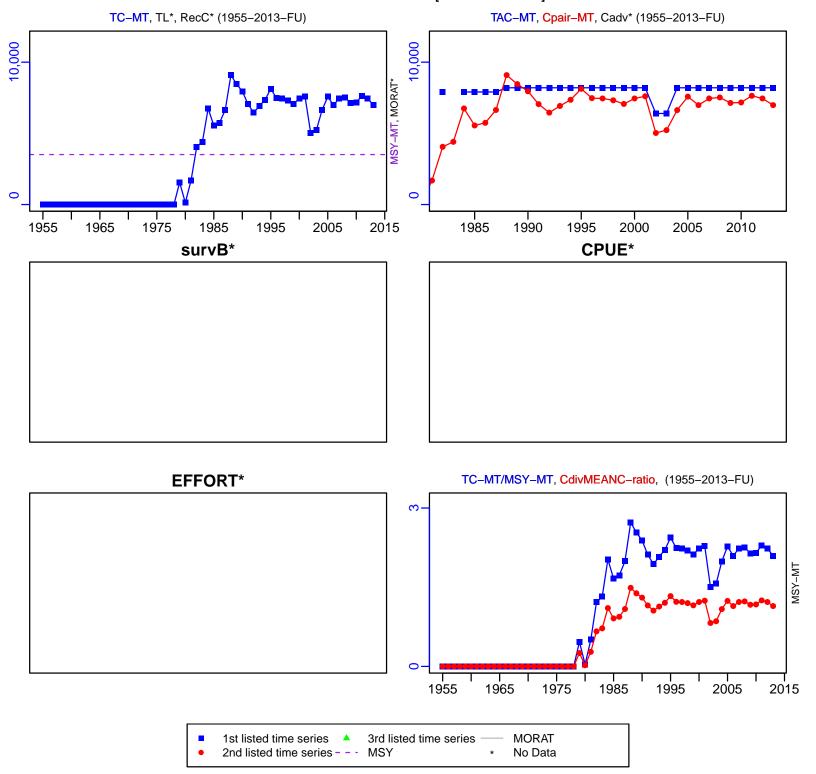
Metadata			
Scientific Name	Pseudocyttus maculatus		
Current Assess ID	NIWA-SMOOTHOREOCR-1955-2013-FU		
Area	Chatham Rise		
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2013, 2010		

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2013	15,768
SSBmsy	SSBmsy-MT	2013	48,252
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2013	0.19
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2013	48,252
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-MT	2013	120,629
MSY	MSY-MT	2013	2996
M	M-1/yr	2013	0.06
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2013	34,800	-	1 to 70
TN	-	-	-	-	-
R	R-E00	2013	17,400,000	Both	1 to 70
F	F-1/yr	2010	0.095	-	-
ER	ER-ratio	2013	0.155	Both	1 to 70
TC	TC-MT	2013	5960		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2013	0.721		
F/Fmsy	FdivFmsy-dimensionless	2010	1.03		
ER/ERmsy	ERdivERmsy-dimensionless	2013	1.55		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2013	0.721		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		







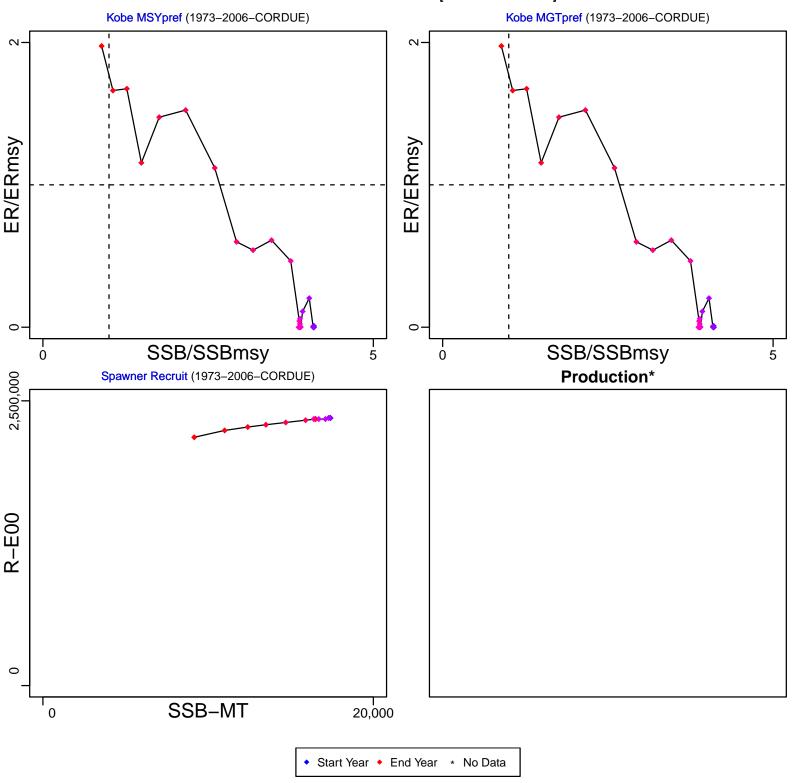
# Smooth oreo East Pukaki Rise [SMOOTHOREOEPR]

Metadata				
Scientific Name	Pseudocyttus maculatus			
Current Assess ID	NIWA-SMOOTHOREOEPR-1973-2006-CORDUE			
Area	East Pukaki Rise			
Management Authority	Ministry of Fisheries, New Zealand national management			
Assessor	National Institute of Water and Atmospheric Research			
Asmts in RAM	2006			

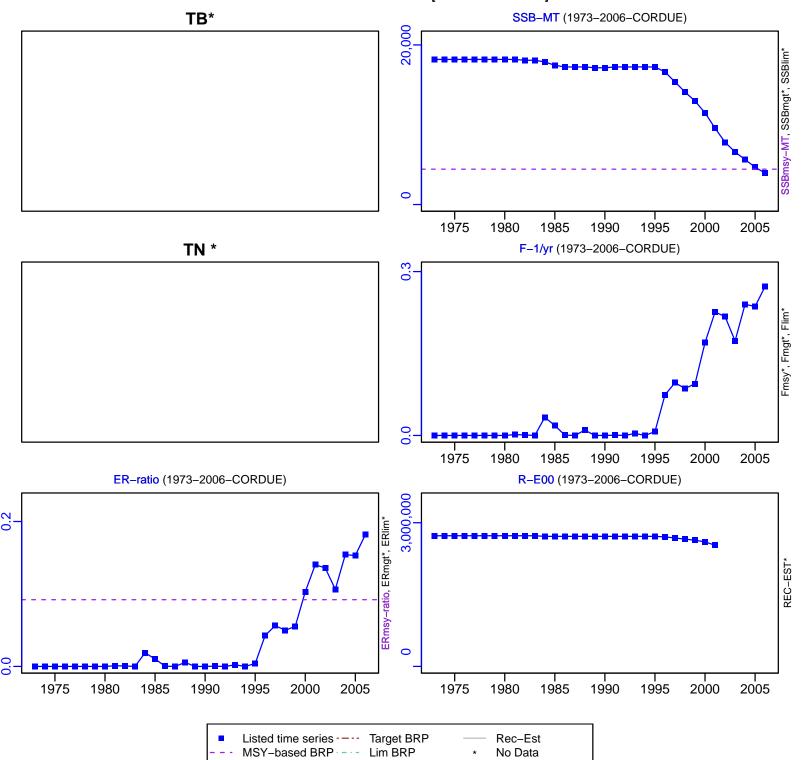
Reference Points							
Туре	ID	Asmt Year	Year Value				
TBmsy	TBmsy-MT	2006	5538				
SSBmsy	SSBmsy-MT	2006	4239				
Fmsy	-	-	-				
ERmsy	ERmsy-ratio	2006	0.08				
TBmgt	-	-	-				
SSBmgt	-	-	-				
Fmgt	-	-	-				
ERmgt	-	-	-				
TB0	-	-	-				
SSB0	SSB0-MT	2006	17,372				
MSY	MSY-MT	2006	443				
М	M-1/yr	2006	0.06				
TBlim	-	-	-				
SSBlim	-	-	-				
Flim	-	-	-				
ERlim	-	-	-				

Time Series							
Туре	ID	Asmt Year	Curr Value	Sex	Age		
ТВ	-	-	-	-	-		
SSB	SSB-MT	2006	3760	Both	-		
TN	-	-	-	-	-		
R	R-E00	2006	2,180,000	-	5		
F	F-1/yr	2006	0.268	-	-		
ER	ER-ratio	2006	0.158	-	-		
TC	TC-MT	2006	1370				
TL	-	-	-				
TB/TBmsy	-	-	-				
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2006	0.888				
F/Fmsy	FdivFmsy-dimensionless	2006	3.35				
ER/ERmsy	ER-ratio/ERmsy-ratio	2006	1.975				
TB/TBmgt	-	-	-				
SSB/SSBmgt	-	-	-				
F/Fmgt	-	-	-				
ER/ERmgt	-	-	-				

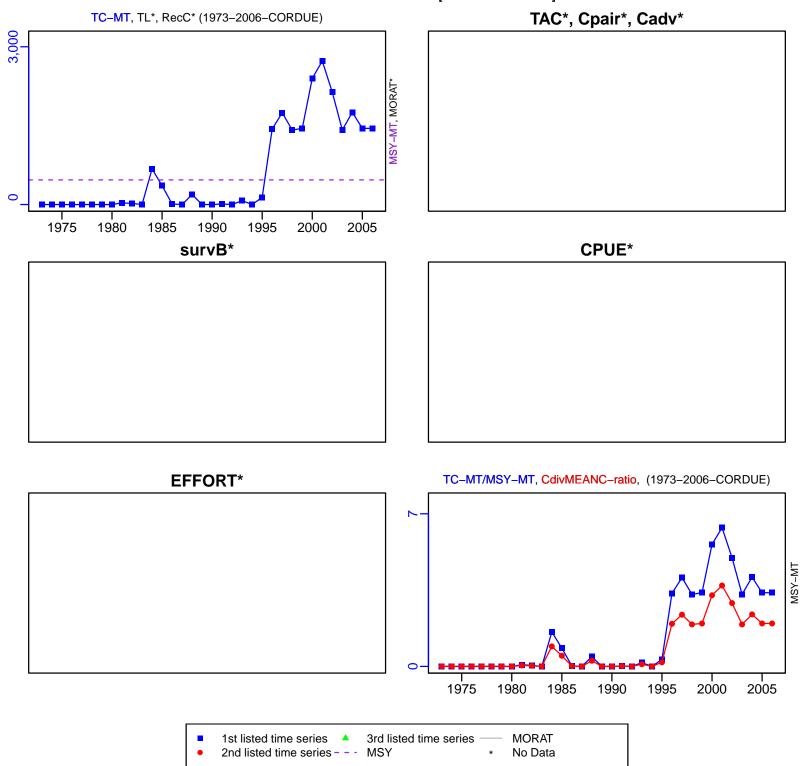
### Smooth oreo East Pukaki Rise [SMOOTHOREOEPR]



### Smooth oreo East Pukaki Rise [SMOOTHOREOEPR]



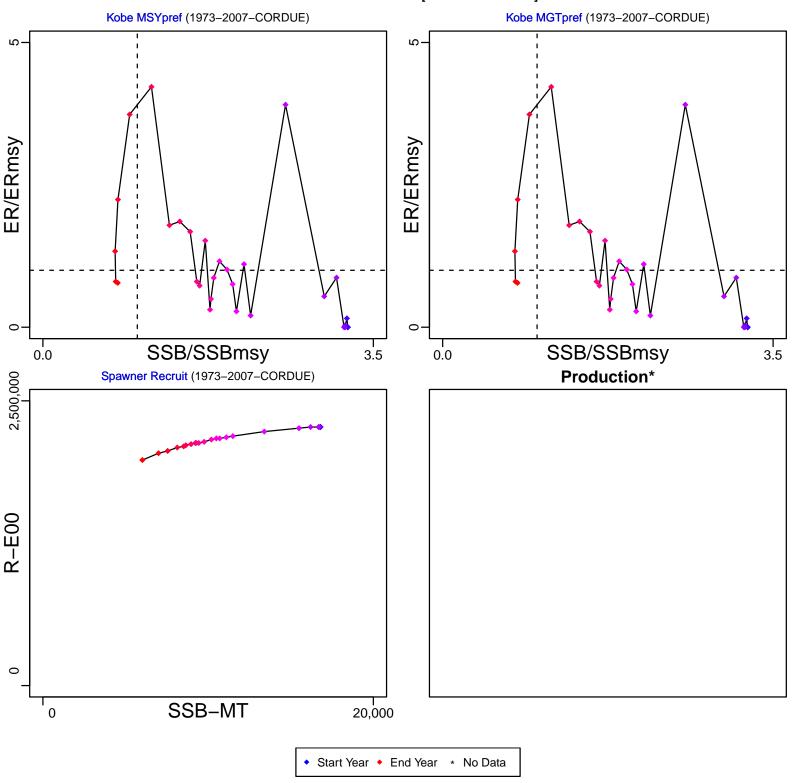
### Smooth oreo East Pukaki Rise [SMOOTHOREOEPR]

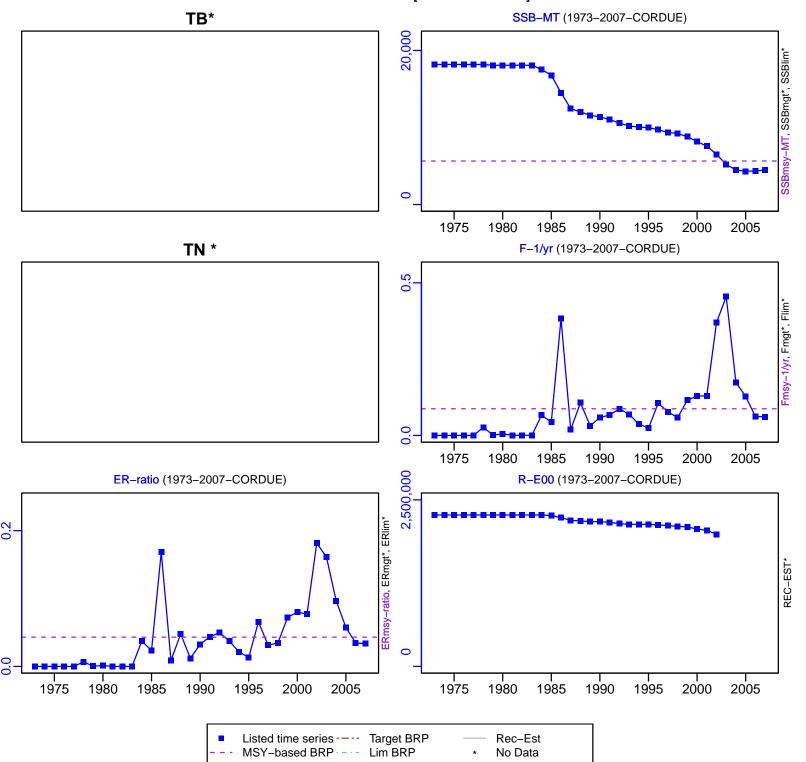


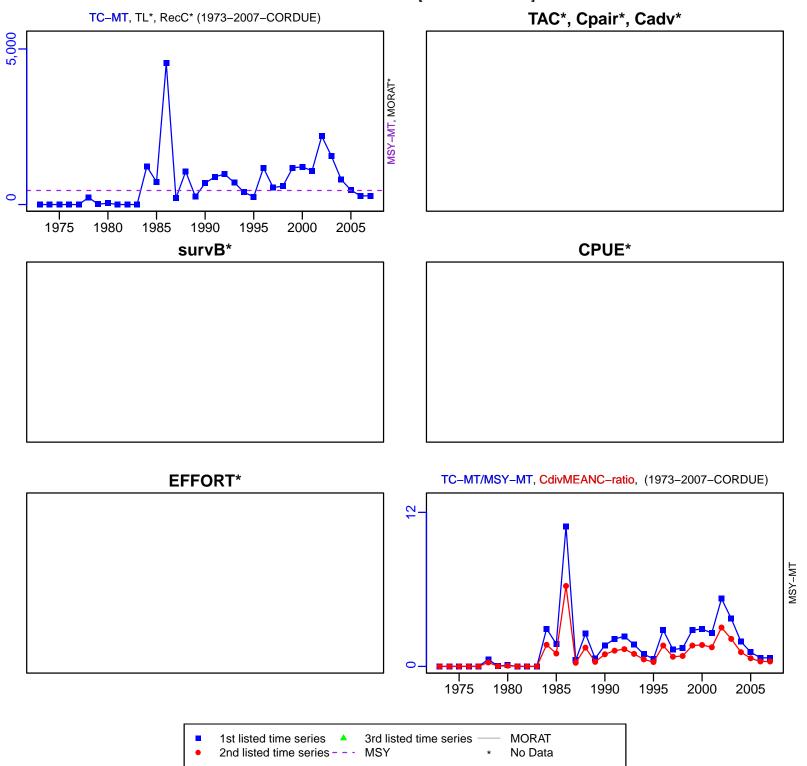
Metadata			
Scientific Name	Pseudocyttus maculatus		
Current Assess ID	NIWA-SMOOTHOREOSLD-1973-2007-CORDUE		
Area Southland			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2007		

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2007	11,999
SSBmsy	SSBmsy-MT	2007	5217
Fmsy	Fmsy-1/yr	2007	0.08
ERmsy	ERmsy-ratio	2007	0.035
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-MT	2007	16,829
MSY	MSY-MT	2007	421
M	M-1/yr	2007	0.06
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2007	4140	Both	25+
TN	-	-	-	-	-
R	R-E00	2007	1,980,000	-	5
F	F-1/yr	2007	0.056	-	-
ER	ER-ratio	2007	0.027	-	-
TC	TC-MT	2007	260		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2007	0.793		
F/Fmsy	FdivFmsy-dimensionless	2007	0.718		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	0.779		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



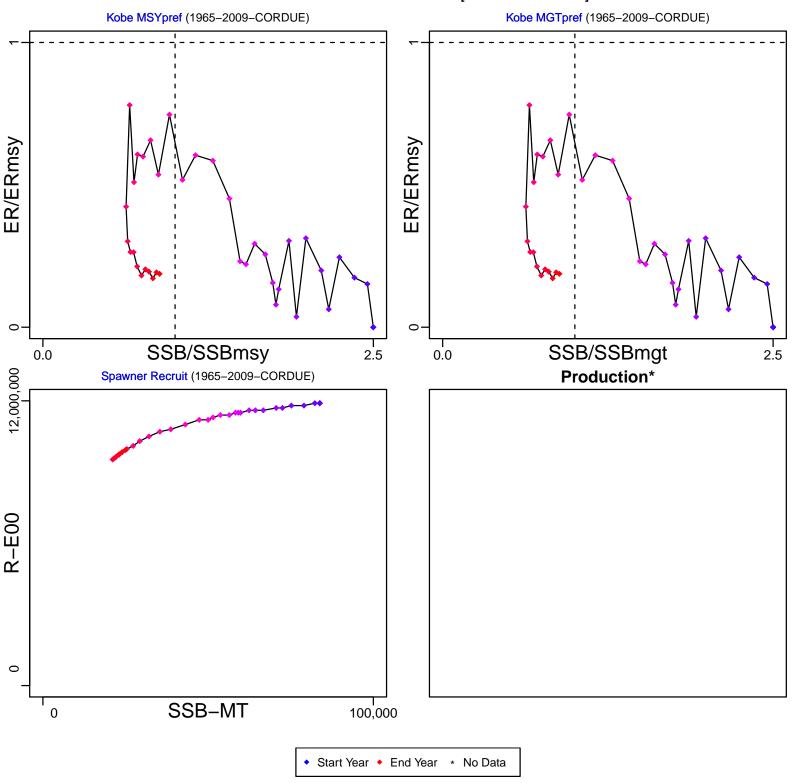


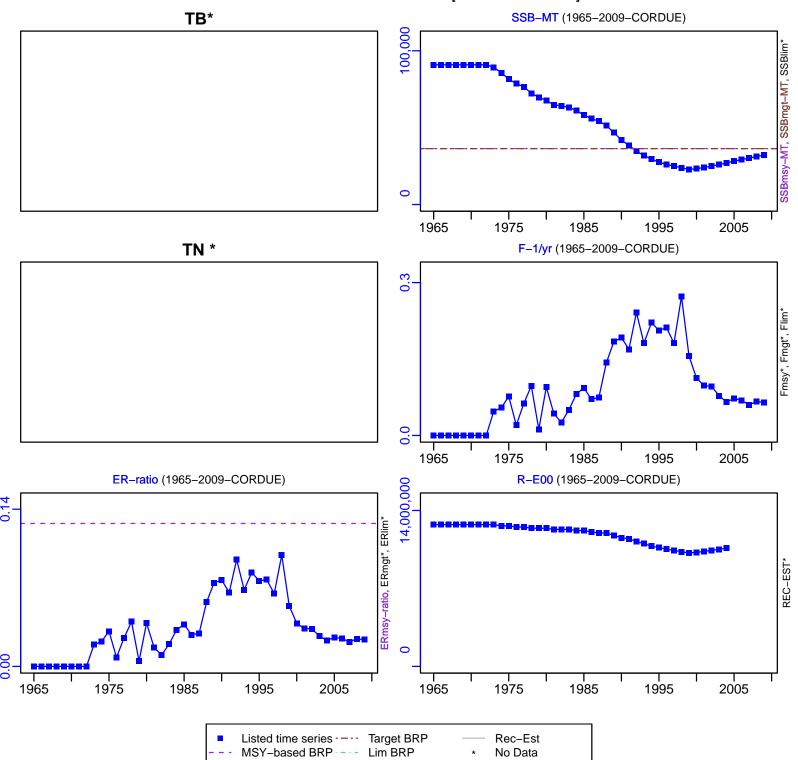


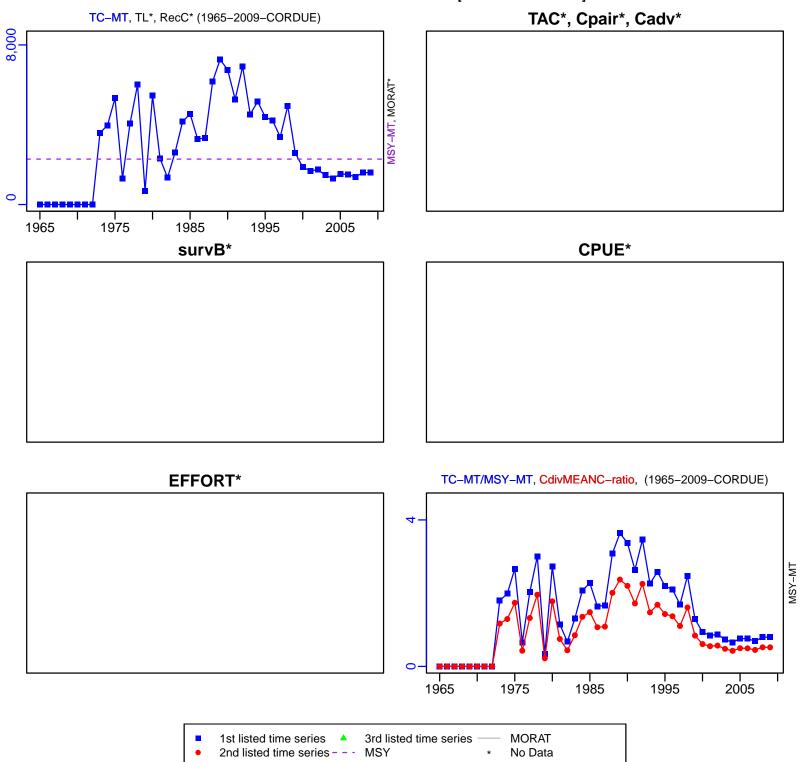
Metadata			
Scientific Name	Pseudocyttus maculatus		
Current Assess ID	NIWA-SMOOTHOREOWECR-1965-2009-CORDUE		
Area West end of Chatham Rise			
Management Authority Ministry of Fisheries, New Zealand national managem			
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2009		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-MT	2009	18,158		
SSBmsy	SSBmsy-MT	2009	33,522		
Fmsy	-	-	-		
ERmsy	ERmsy-ratio	2009	0.12		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2009	33,522		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	SSB0-MT	2009	83,805		
MSY	MSY-MT	2009	2179		
М	M-1/yr	2009	0.06		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2009	29,600	Both	25+
TN	-	-	-	-	-
R	R-E00	2009	9,930,000	-	5
F	F-1/yr	2009	0.059	-	-
ER	ER-ratio	2009	0.022	-	-
TC	TC-MT	2009	1530		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2009	0.883		
F/Fmsy	FdivFmsy-dimensionless	2009	0.494		
ER/ERmsy	ER-ratio/ERmsy-ratio	2009	0.188		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2009	0.883		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



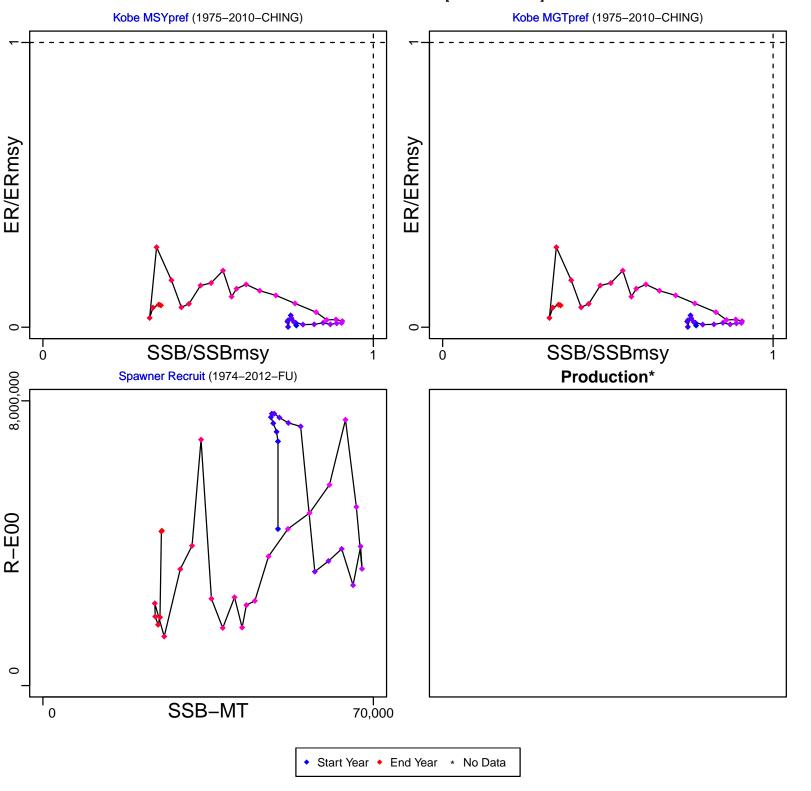


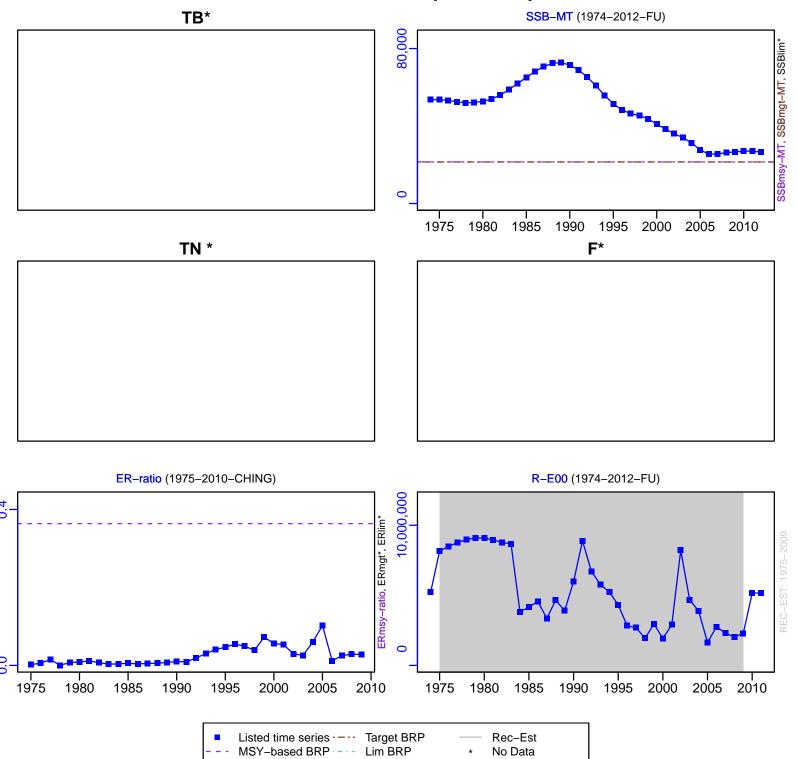


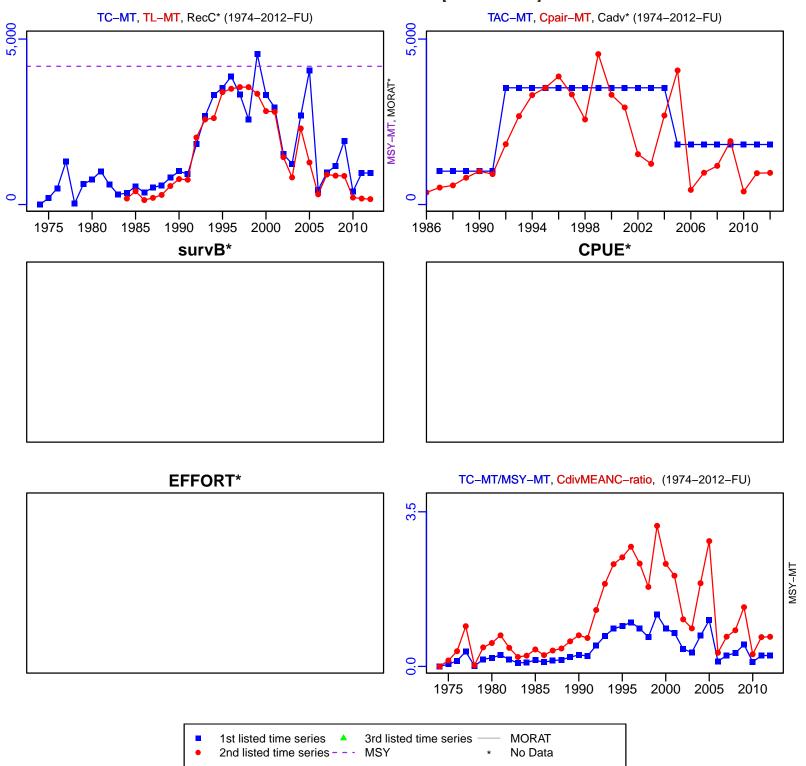
Metadata			
Scientific Name	Merluccius australis		
Current Assess ID NIWA-SOUTHHAKECR-1974-2012-FU			
Area Chatham Rise			
Management Authority Ministry of Fisheries, New Zealand national management			
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2012, 2010		

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2012	10,626
SSBmsy	SSBmsy-MT	2012	19,938
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2012	0.39
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2012	19,938
Fmgt	-	-	-
ERmgt	-	-	-
TB0	TB0-MT	2010	88,920
SSB0	SSB0-MT	2012	49,845
MSY	MSY-MT	2012	4144
М	M-1/yr	2012	0.19
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2012	24,600	-	1 to 30
TN	-	-	-	-	-
R	R-E00	2012	4,350,000	Both	-
F	-	-	-	-	-
ER	ER-ratio	2010	0.026	-	-
TC	TC-MT	2012	950		
TL	TL-MT	2012	161		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2012	1.234		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2010	0.077		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2012	1.234		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



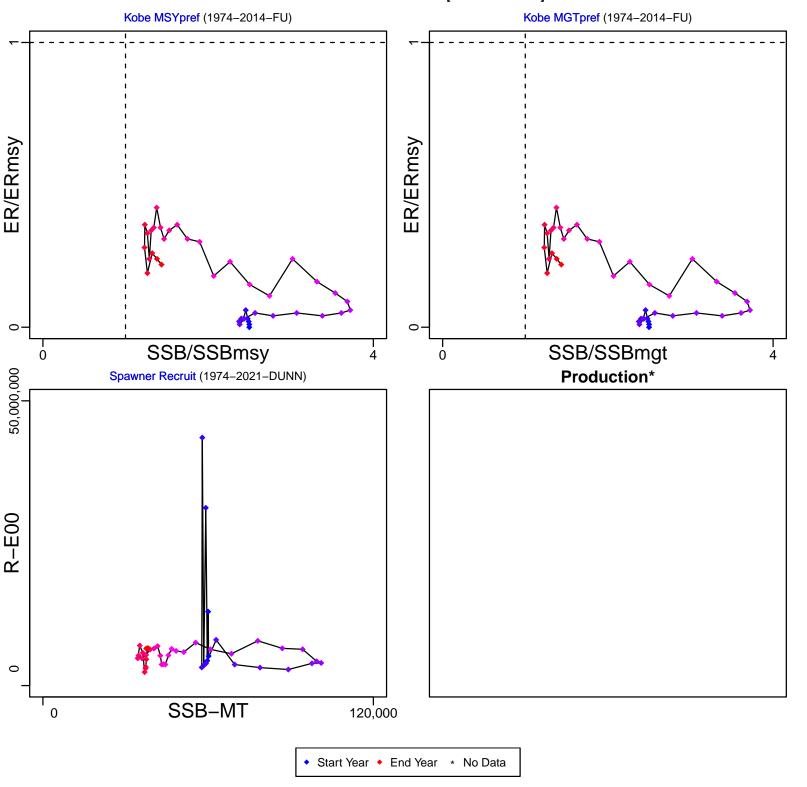


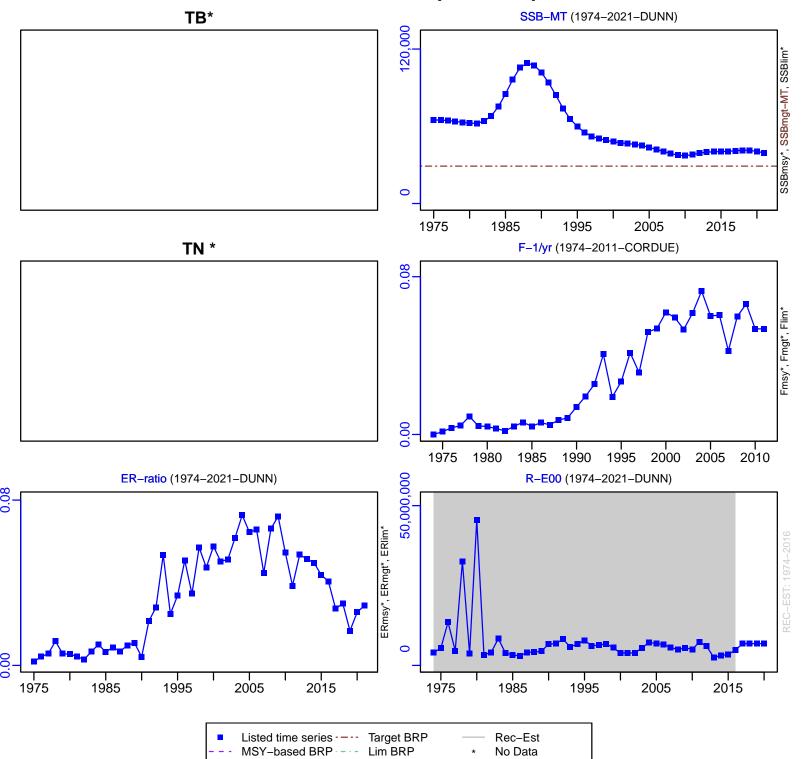


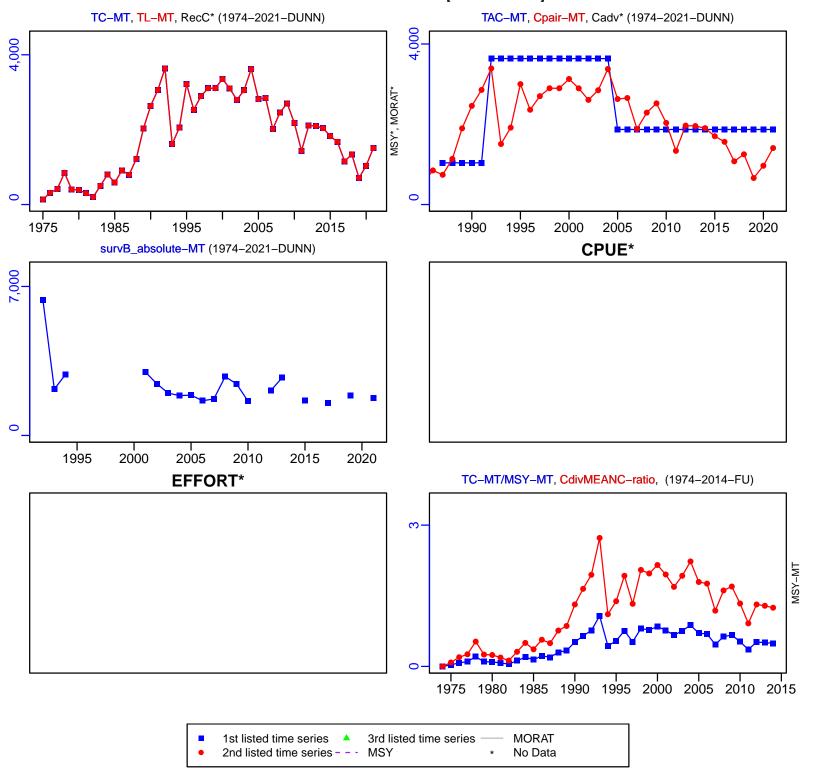
Metadata			
Scientific Name	Merluccius australis		
Current Assess ID	NIWA-SOUTHHAKESA-1974-2021-DUNN		
Area Sub-Antarctic			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2011, 2014, 2021, 2017		

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2014	20,249
SSBmsy	SSBmsy-MT	2017	23,992
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2014	0.214
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2021	26,910
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-MT	2021	60,223
MSY	MSY-MT	2014	4341
М	M-1/yr	2021	0.19
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2021	36,373	-	-
TN	-	-	-	-	-
R	R-E00	2021	6,512,550	Both	1
F	F-1/yr	2011	0.051	-	-
ER	ER-ratio	2021	0.029	-	-
TC	TC-MT	2021	1355		
TL	TL-MT	2021	1355		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2017	1.311		
F/Fmsy	FdivFmsy-dimensionless	2011	0.108		
ER/ERmsy	ERdivERmsy-dimensionless	2014	0.22		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2021	1.352		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



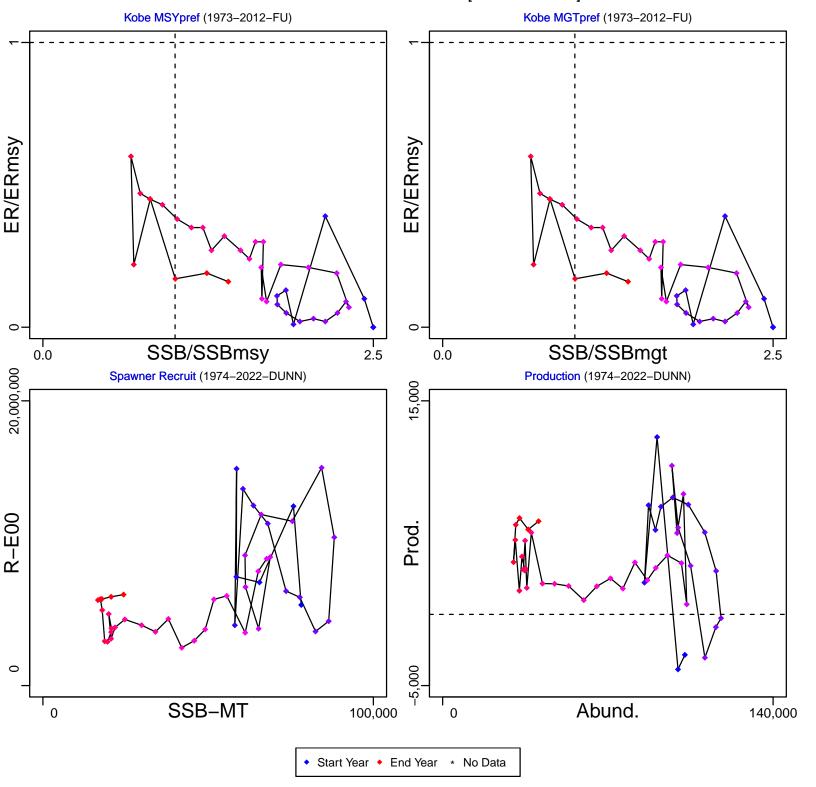


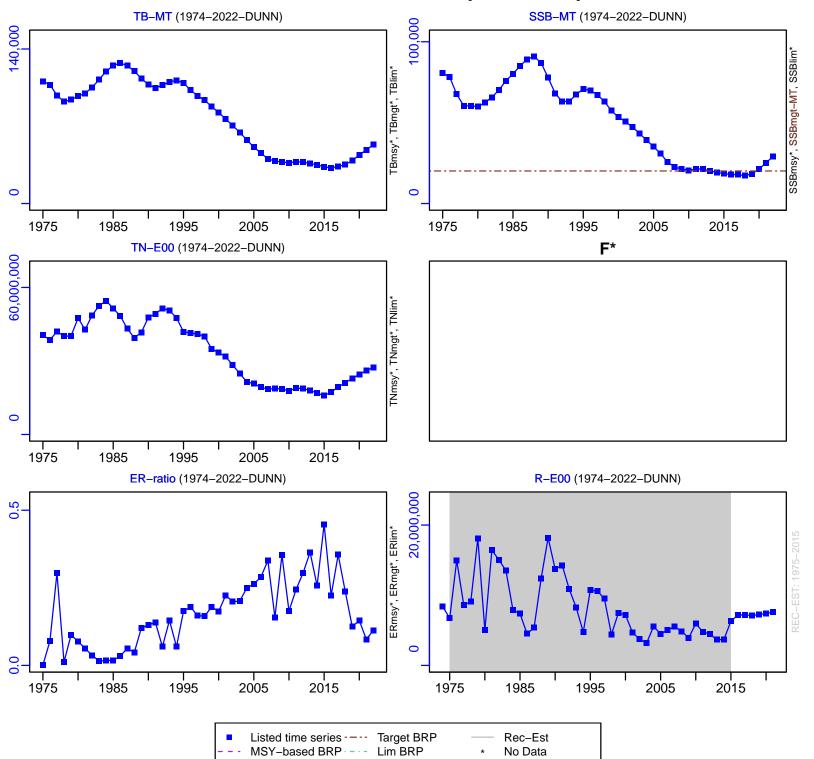


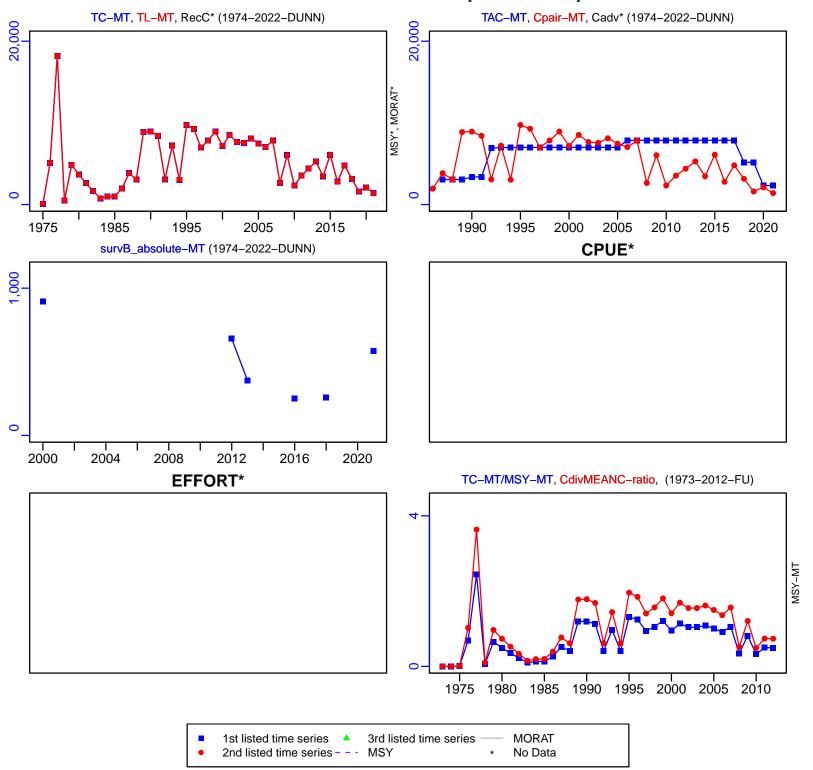
Metadata			
Scientific Name	Merluccius australis		
Current Assess ID	NIWA-SOUTHHAKEWCSI-1974-2022-DUNN		
Area West Coast South Island			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2012, 2022, 2019		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2012	11,376	
SSBmsy	SSBmsy-MT	2019	28,014	
Fmsy	-	-	-	
ERmsy	ERmsy-pr-ratio	2012	0.71	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2022	19,519	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2022	78,202	
MSY	MSY-MT	2012	8077	
M	M-1/yr	2022	0.19	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2022	49,373	-	1+
SSB	SSB-MT	2022	28,314	Both	-
TN	TN-E00	2022	24,183,100	-	1+
R	R-E00	2022	6,390,470	Both	1
F	-	-	-	-	-
ER	ER-ratio	2022	0.105	-	-
TC	TC-MT	2022	1367		
TL	TL-MT	2022	1367		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2019	0.422		
F/Fmsy	-	-	-		
ER/ERmsy	ERdivERmsy-dimensionless	2012	0.16		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2022	1.451		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



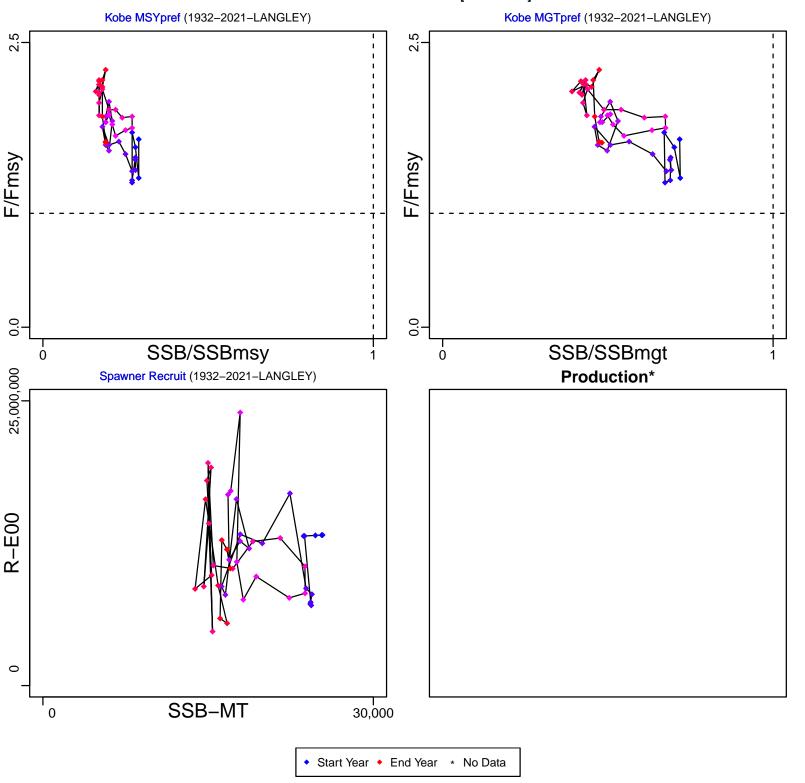


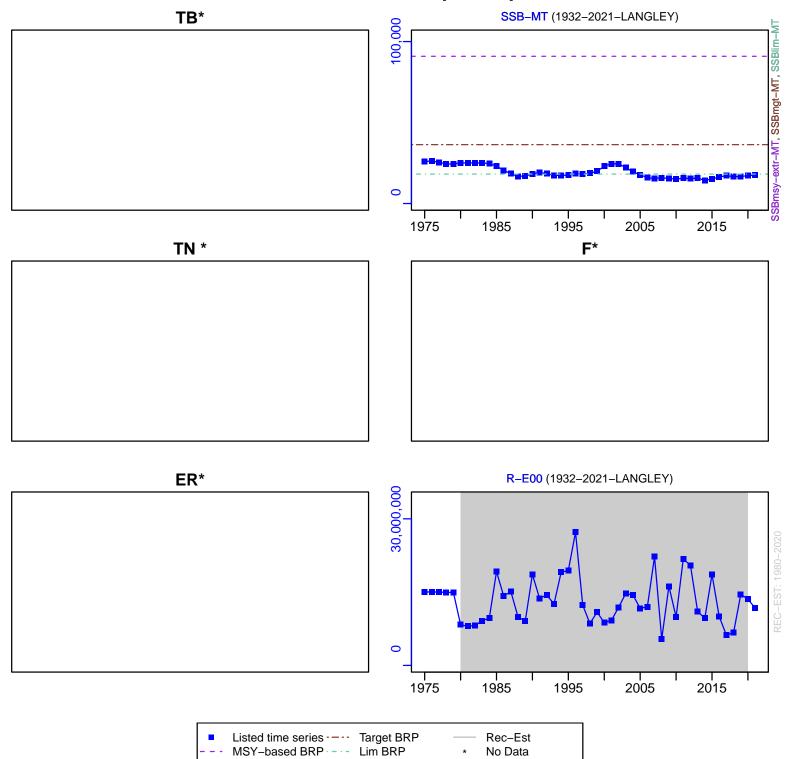


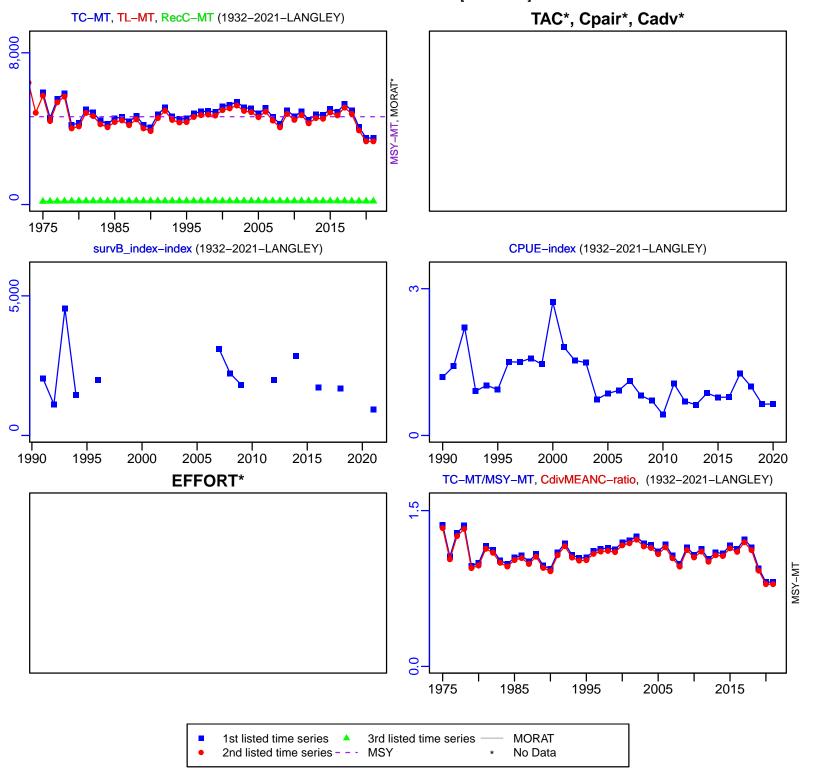
Metadata			
Scientific Name	Nemadactylus macropterus		
Current Assess ID	NZMFishINSHOREWG-TARAKENZ-1932-2021-LANGLEY		
Area Eastern New Zealand			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Inshore Working Group		
Asmts in RAM	2021		

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-extr-MT	2021	88,283
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2021	35,302
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2021	4213
М	M-1/yr	2021	0.1
TBlim	-	-	-
SSBlim	SSBlim-MT	2021	17,651
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2021	17,009	Females	-
TN	-	-	-	-	-
R	R-E00	2021	10,285,200	Both	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2021	3191		
TL	TL-MT	2021	3031		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2021	0.19		
F/Fmsy	FdivFmsy-dimensionless	2021	1.62		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2021	0.482		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		





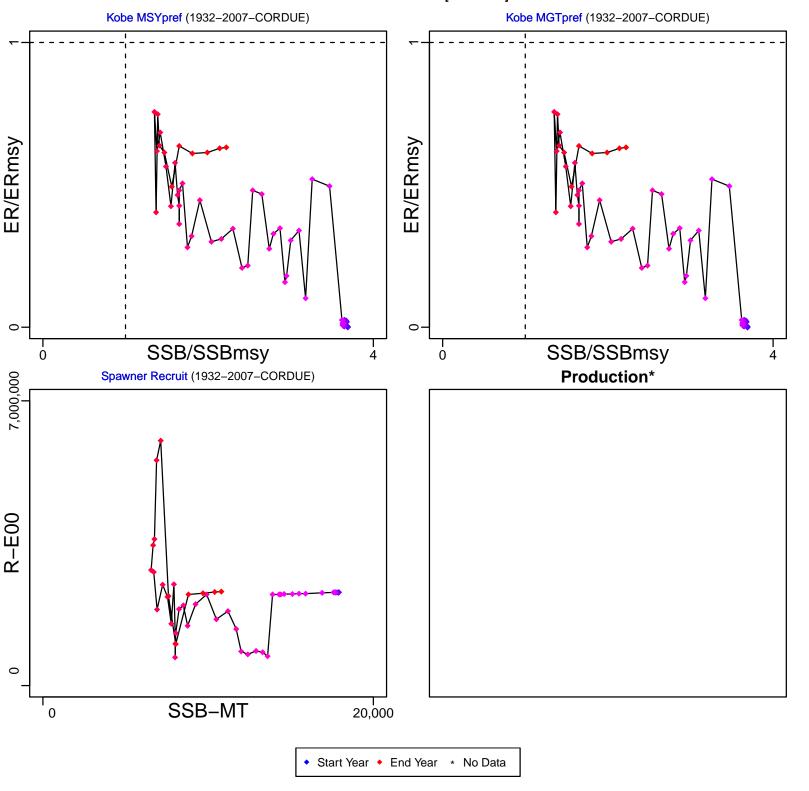


## Tarakihi Sub-Antarctic [TARAKSA]

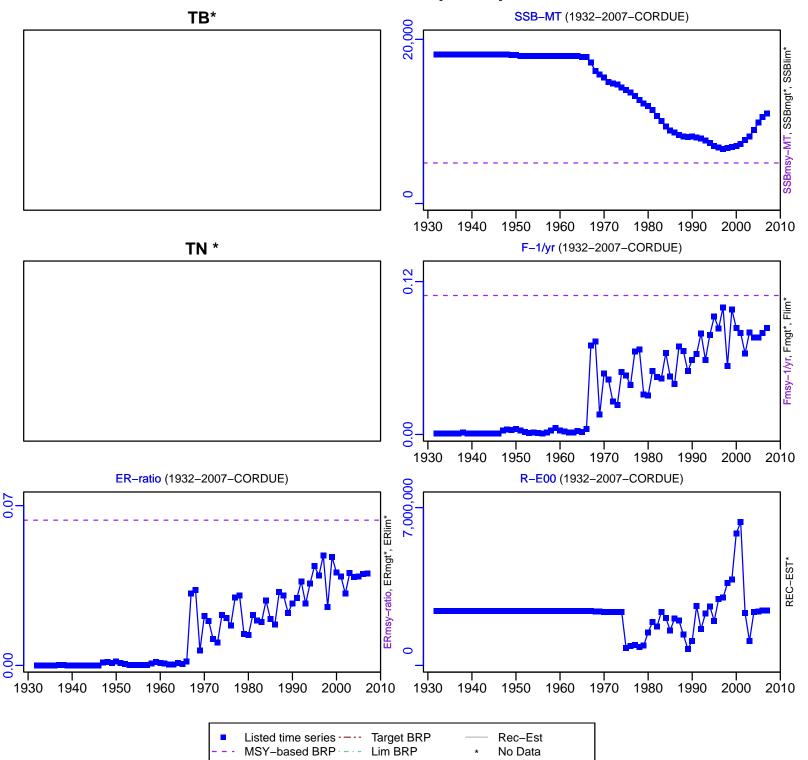
Metadata			
Scientific Name	Nemadactylus macropterus		
Current Assess ID	NIWA-TARAKSA-1932-2007-CORDUE		
Area Sub-Antarctic			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	National Institute of Water and Atmospheric Research		
Asmts in RAM	2007		

Reference Points				
Type	ID	Asmt Year	Value	
TBmsy	TBmsy-calc-MT	2007	11,187	
SSBmsy	SSBmsy-MT	2007	4864	
Fmsy	Fmsy-1/yr	2007	0.1	
ERmsy	ERmsy-ratio	2007	0.061	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	SSB0-MT	2007	17,950	
MSY	MSY-MT	2007	682	
M	M-1/yr	2007	0.1	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

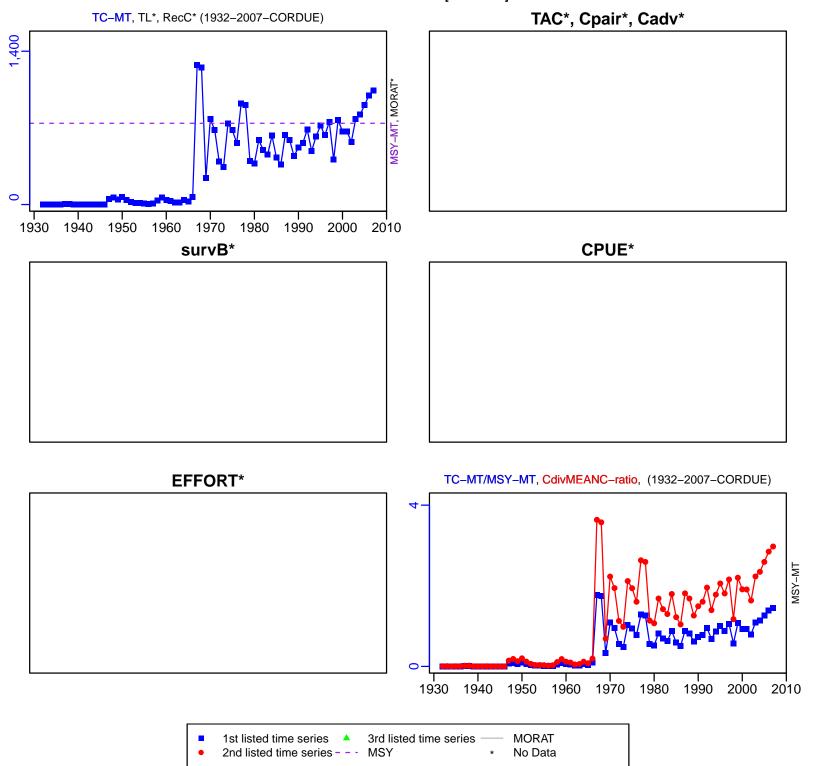
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2007	10,800	Both	-
TN	-	-	-	-	-
R	R-E00	2007	2,310,000	-	0
F	F-1/yr	2007	0.077	-	-
ER	ER-ratio	2007	0.038	-	-
TC	TC-MT	2007	957		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2007	2.22		
F/Fmsy	FdivFmsy-dimensionless	2007	0.766		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	0.632		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



#### Tarakihi Sub-Antarctic [TARAKSA]



### Tarakihi Sub-Antarctic [TARAKSA]



Metadata			
Scientific Name	Pseudocaranx dentex		
Current Assess ID NZMFishINSHOREWG-TREVALLYTRE7-1944-2014-LANGLEY			
Area New Zealand Areas TRE 7			
Management Authority	Ministry of Fisheries, New Zealand national management		
Assessor	Inshore Working Group		
Asmts in RAM	2005, 2014		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-calc-MT	2005	26,990		
SSBmsy	SSBmsy-MT	2014	8936		
Fmsy	Fmsy-1/yr	2005	0.113		
ERmsy	ERmsy-ratio	2005	0.08		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2014	8936		
Fmgt	Fmgt-1/yr	2014	0.088		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	SSB0-MT	2014	22,339		
MSY	MSY-MT	2014	1818		
М	M-1/yr	2014	0.1		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2005	28,200	-	1
SSB	SSB-MT	2014	11,500	Females	4 to 40+
TN	-	-	-	-	-
R	R-E00	2014	3,530,000	Both	0
F	F-1/yr	2005	0.094	-	-
ER	ER-ratio	2005	0.087	-	-
TC	TC-MT	2014	1530		
TL	TL-MT	2014	1440		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2005	1.045		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	1.287		
F/Fmsy	F-1/yr/Fmsy-1/yr	2005	0.83		
ER/ERmsy	ER-ratio/ERmsy-ratio	2005	1.082		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	1.287		
F/Fmgt	FdivFmgt-dimensionless	2014	0.678		
ER/ERmgt	-	-	-		

