

Australia Stocks

v4.491 (Jan-06-2020)

Not present Present Preferred

Stock	B/Bmsy	Time Series Types			
		U/Umsy	B/Bmgt	U/Umgt	
1. BGRDRNSWWA [Blue grenadier New South Wales to Western Australia]	TB SSB	ER F	TB SSB	ER F	
2. BIGHTREDSE [Bight redfish Southeast Australia]	TB SSB	ER F	TB SSB	ER F	
3. BTSHRIMPNAUST [Brown tiger shrimp Northern Australia]	TB SSB	ER F	TB SSB	ER F	
4. DEEPFLATHEADSE [Deepwater flathead Southeast Australia]	TB SSB	ER F	TB SSB	ER F	
5. GEMFISHSE [Common gemfish Southeast Australia]	TB SSB	ER F	TB SSB	ER F	
6. GTPRAWNNAUST [Grooved tiger prawn Northern Australia]	TB SSB	ER F	TB SSB	ER F	
7. MORWONGESE [Jackass morwong Eastern half of Southeast Australia]	TB SSB	ER F	TB SSB	ER F	
8. MORWONGWSE [Jackass morwong Western half of Southeast Australia]	TB SSB	ER F	TB SSB	ER F	
9. MULLQNSW [Sea mullet Queensland and New South Wales]	TB SSB	ER F	TB SSB	ER F	
10. NZLINGESE [Ling Southeast Australia]	TB SSB	ER F	TB SSB	ER F	
11. NZLINGWSE [Ling Western half of Southeast Australia]	TB SSB	ER F	TB SSB	ER F	
12. OROUGHYCASCADE [Orange roughy Cascade Plateau]	TB SSB	ER F	TB SSB	ER F	
13. OROUGHYSE [Orange roughy Southeast Australia]	TB SSB	ER F	TB SSB	ER F	
14. PTOOTHFISHMI [Patagonian toothfish Macquarie Island]	TB SSB	ER F	TB SSB	ER F	
15. REDFEAUS [Redfish Eastern Australia]	TB SSB	ER F	TB SSB	ER F	
16. RROCKLOBSTERSAUSNZ [Rock lobster South Australia Northern Zone]	TB SSB	ER F	TB SSB	ER F	
17. RROCKLOBSTERSAUSSZ [Rock lobster South Australia Southern Zone]	TB SSB	ER F	TB SSB	ER F	
18. SARDWSE [Sardine Western half of Southeast Australia]	TB SSB	ER F	TB SSB	ER F	
19. SILVERFISHSE [Silverfish Southeast Australia]	TB SSB	ER F	TB SSB	ER F	
20. SNAPS AUSNSG [Snapper Northern Spencer Gulf]	TB SSB	ER F	TB SSB	ER F	
21. SNAPS AUSSGSV [Snapper Southern Gulf St. Vincent]	TB SSB	ER F	TB SSB	ER F	
22. SNAPS AUSSSG [Snapper Southern Spencer Gulf]	TB SSB	ER F	TB SSB	ER F	
23. SWHITSE [School whiting Southeast Australia]	TB SSB	ER F	TB SSB	ER F	
24. TASGIANTCRABTAS [Tasmanian giant crab Tasmania]	TB SSB	ER F	TB SSB	ER F	
25. TIGERFLATSE [Tiger flathead Southeast Australia]	TB SSB	ER F	TB SSB	ER F	
26. WAREHOUSE [Blue warehou Eastern half of Southeast Australia]	TB SSB	ER F	TB SSB	ER F	
27. WAREHOUWSE [Blue warehou Western half of Southeast Australia]	TB SSB	ER F	TB SSB	ER F	

Blue grenadier New South Wales to Western Australia [BGRDRNSWWA]

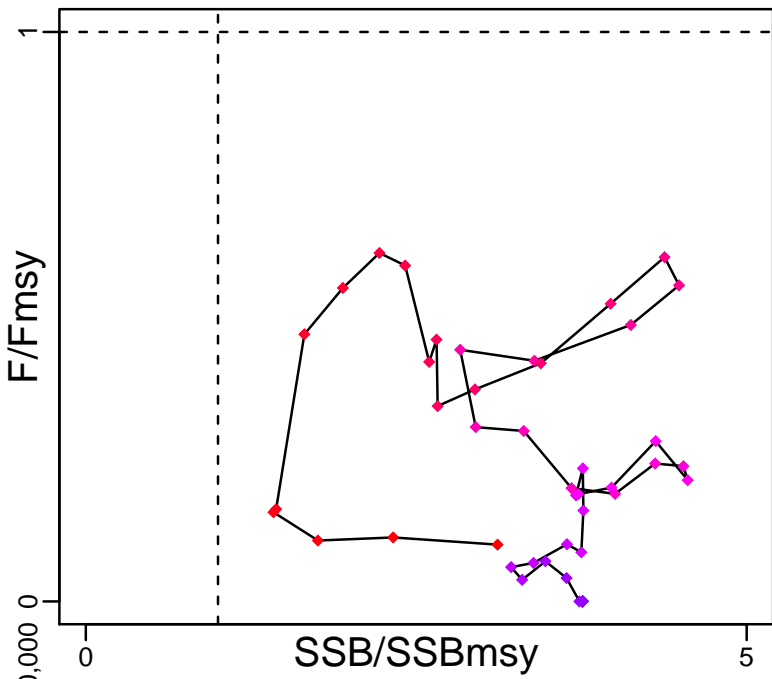
Metadata	
Scientific Name	Macruronus novaezelandiae
Current Assess ID	CSIRO-BGRDRNSWWA-1960-2017-MOESENER
Area	New South Wales to Western Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2012, 2017

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2017	14,341
Fmsy	Fmsy-1/yr	2017	0.122
ERmsy	ERmsy-conv-ratio	2017	0.159
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2017	25,876
Fmgt	Fmgt-1/yr	2017	0.081
ERmgt	-	-	-
TB0	TB0-MT	2017	119,123
SSB0	SSB0-MT	2017	53,909
MSY	MSY-MT	2017	5506
M	M-1/yr	2017	0.174
TBlim	-	-	-
SSBlim	SSBlim-MT	2017	10,782
Flim	-	-	-
ERlim	-	-	-

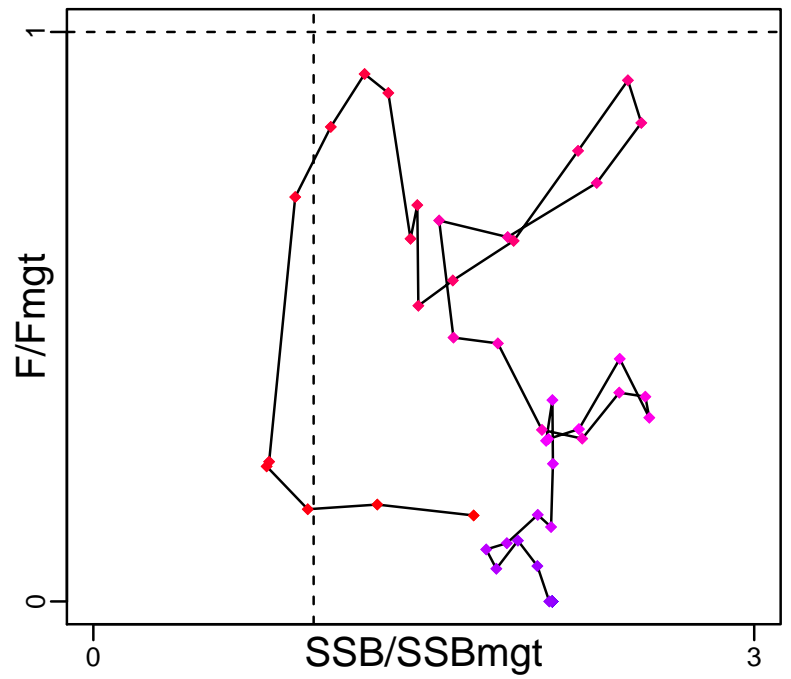
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2017	142,308	-	-
SSB	SSB-MT	2017	44,673	-	-
TN	-	-	-	-	-
R	R-E00	2017	1.56×10^{13}	-	-
F	F-1/yr	2017	0.012	-	-
ER	ER-ratio	2017	0.013	-	-
TC	-	-	-		
TL	TL-MT	2017	1692		
TB/TBmsy	TB-MT/(TB0-MT*0.368)	2017	3.246		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2017	3.115		
F/Fmsy	F-1/yr/Fmsy-1/yr	2017	0.1		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2017	0.085		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2017	1.726		
F/Fmgt	F-1/yr/Fmgt-1/yr	2017	0.151		
ER/ERmgt	-	-	-		

Blue grenadier New South Wales to Western Australia [BGRDRNSWWA]

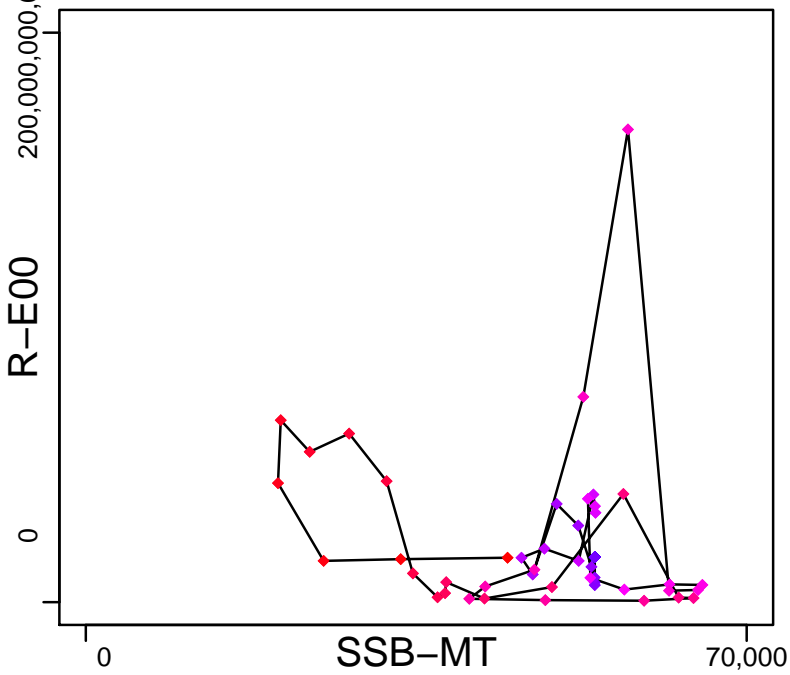
Kobe MSYpref (1960–2017–MOESENEDER)



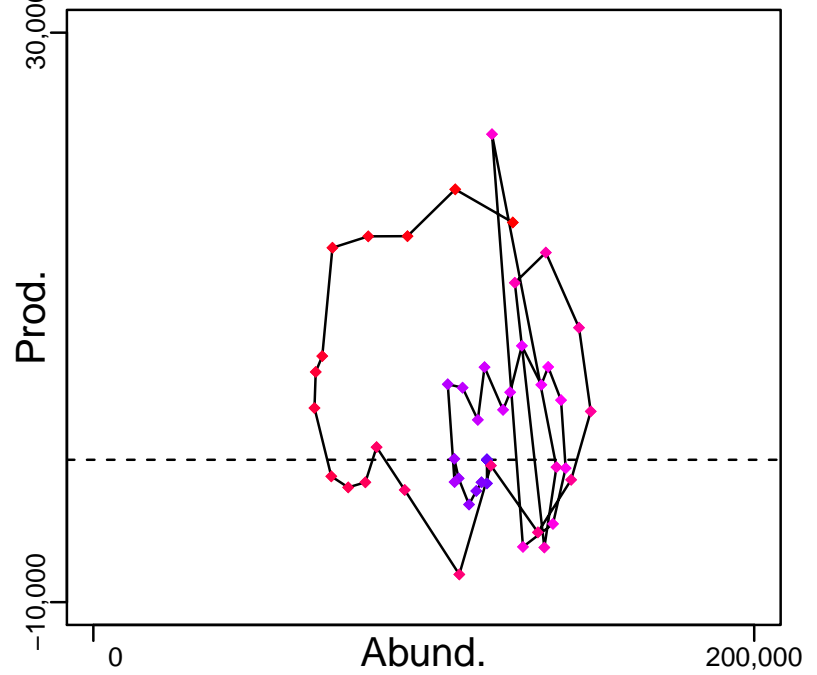
Kobe MGTpref (1960–2017–MOESENEDER)



Spawner Recruit (1960–2017–MOESENEDER)



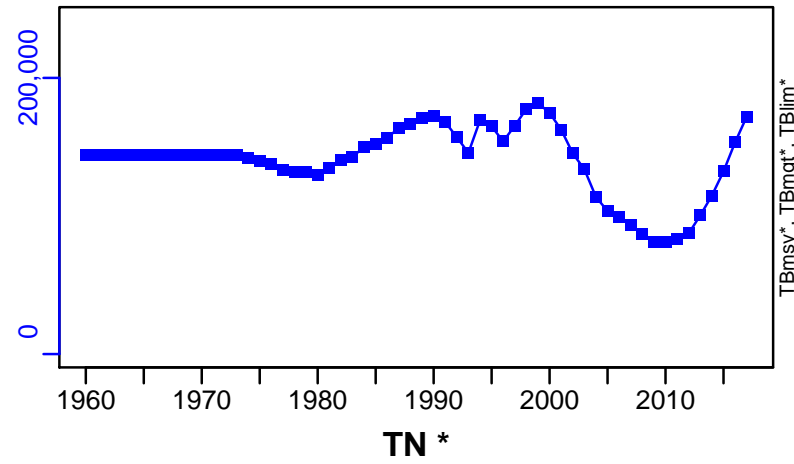
Production (1960–2017–MOESENEDER)



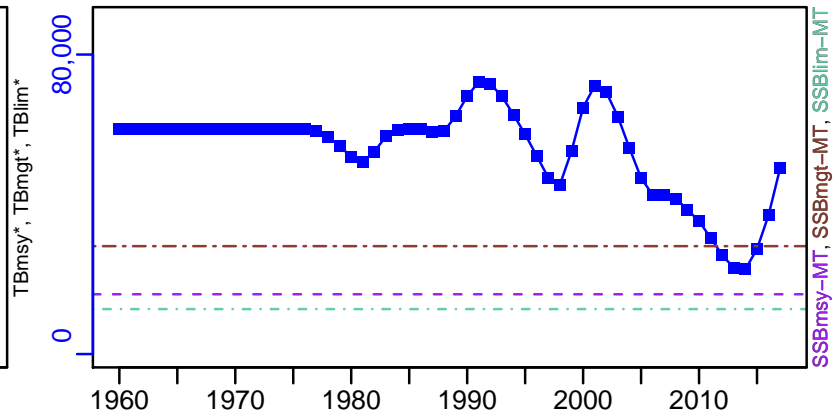
◆ Start Year ◆ End Year * No Data

Blue grenadier New South Wales to Western Australia [BGRDRNSWWA]

TB-MT (1960-2017-MOESENER)



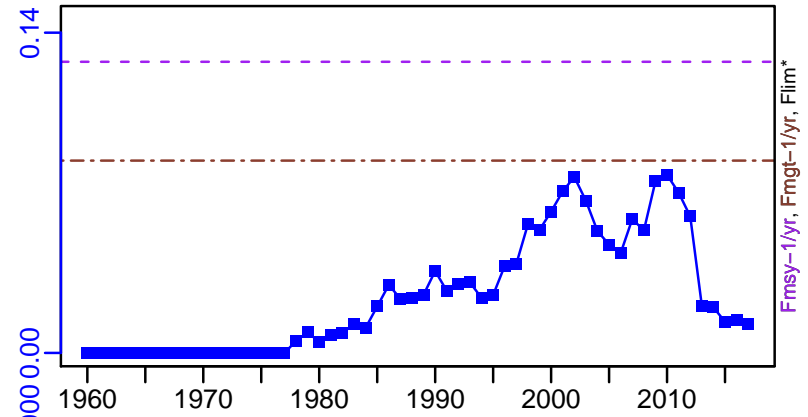
SSB-MT (1960-2017-MOESENER)



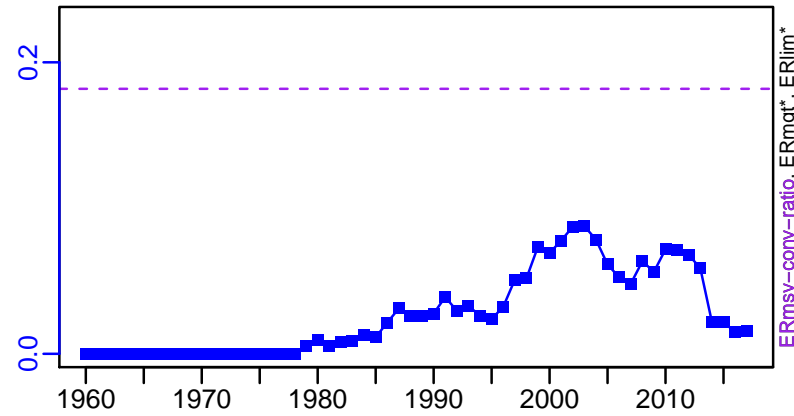
TN *



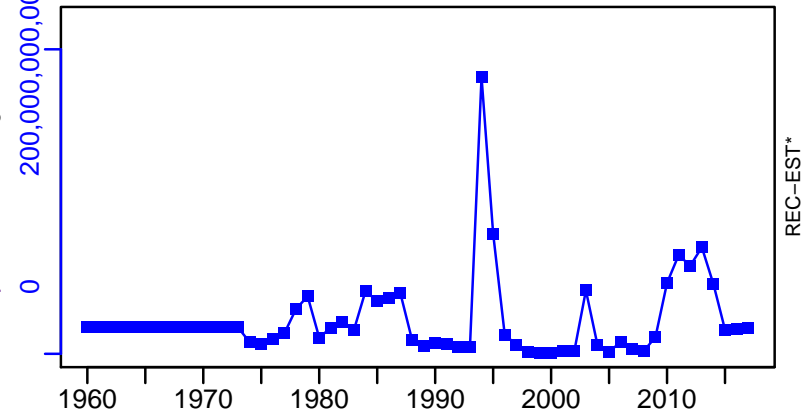
F-1/yr (1960-2017-MOESENER)



ER-ratio (1960-2017-MOESENER)



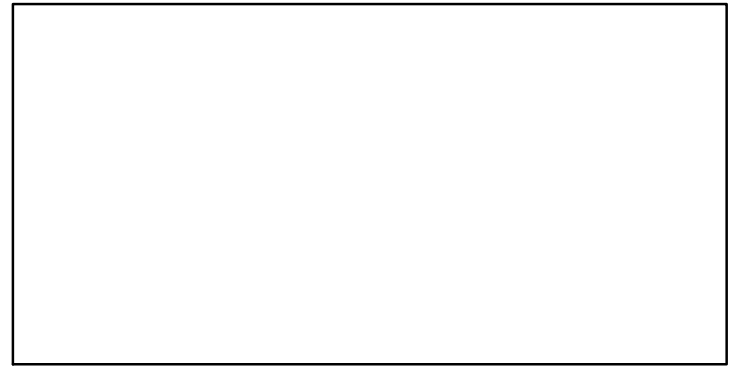
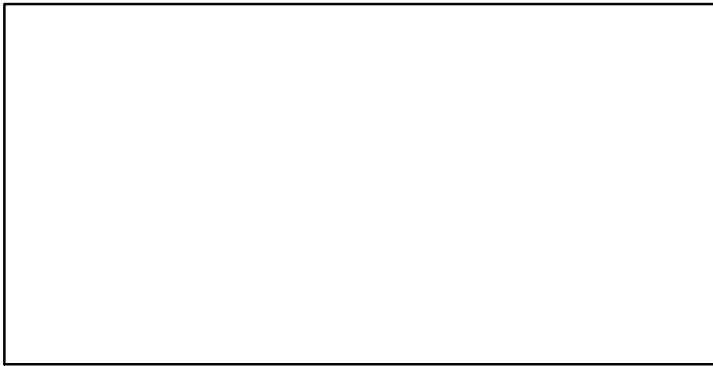
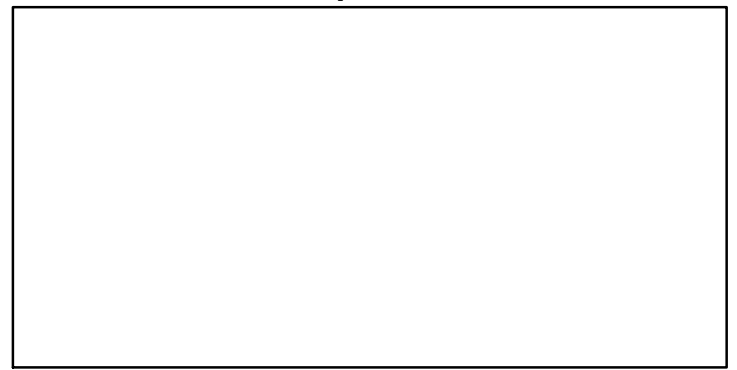
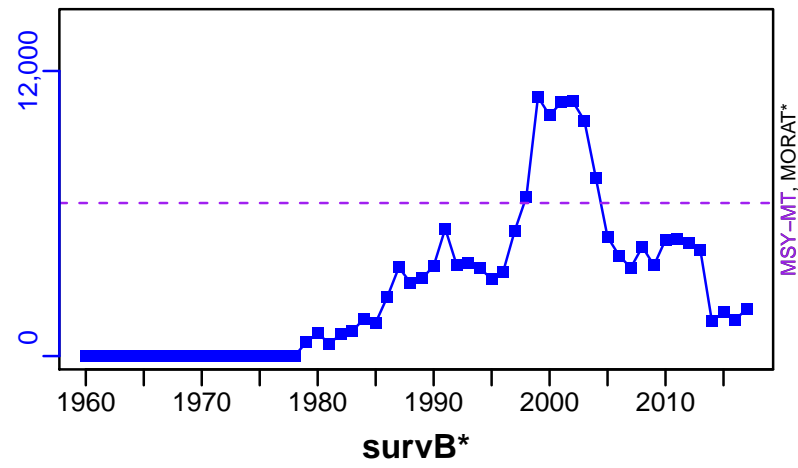
R-E00 (1960-2017-MOESENER)



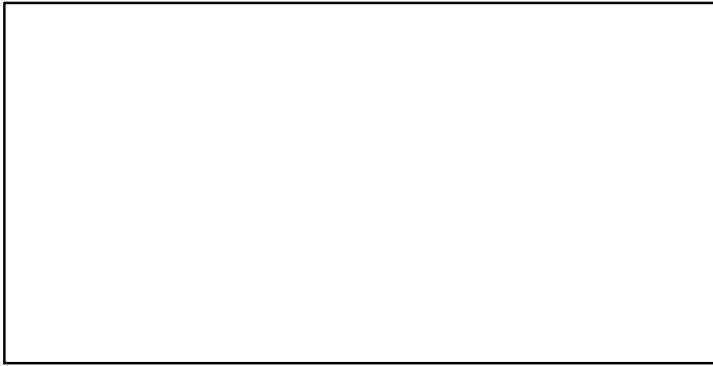
Blue grenadier New South Wales to Western Australia [BGRDRNSWWA]

TL-MT, TC*, RecC* (1960-2017-MOESENER)

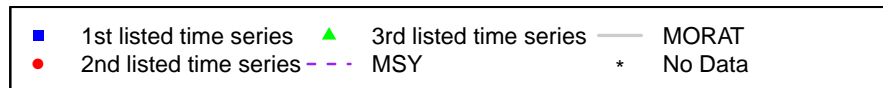
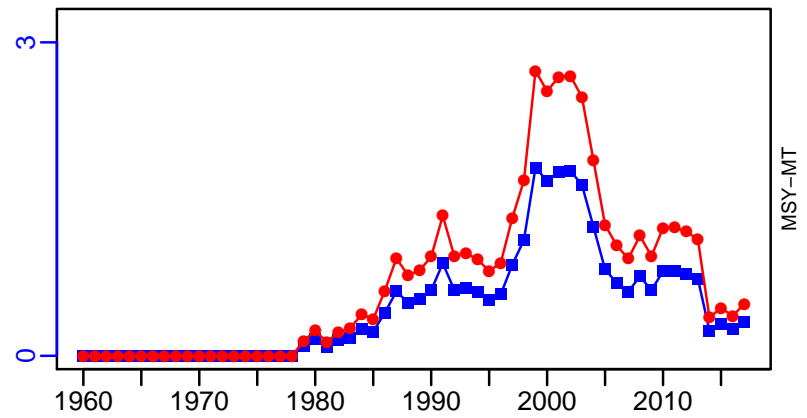
TAC*, Cpair*, Cadv*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1960-2017-MOESENER)



Bight redfish Southeast Australia [BIGHTREDSE]

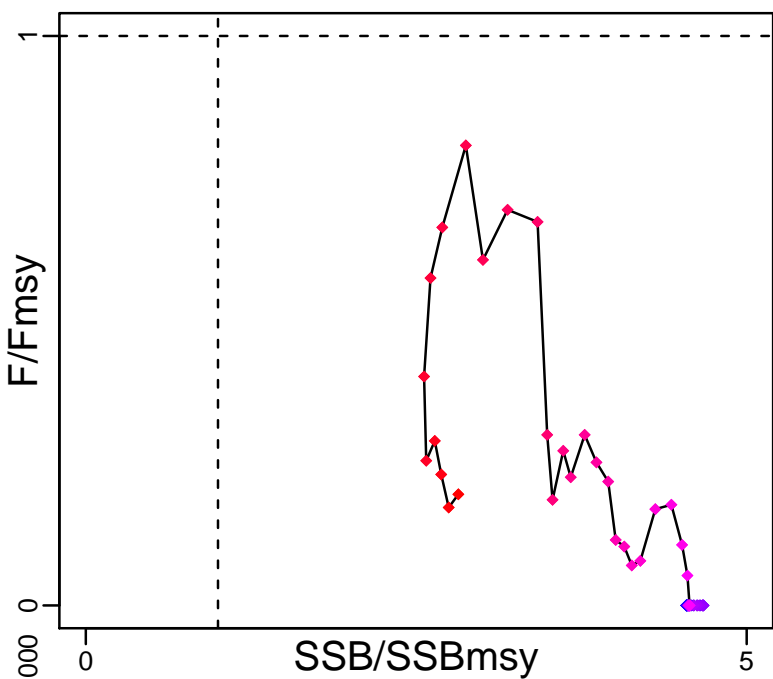
Metadata	
Scientific Name	Centroberyx gerrardi
Current Assess ID	CSIRO-BIGHTREDSE-1960-2014-MOESENER
Area	Southeast Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2007, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	1235
Fmsy	Fmsy-1/yr	2014	0.103
ERmsy	ERmsy-ratio	2007	0.04
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2014	2302
Fmgt	Fmgt-1/yr	2014	0.061
ERmgt	-	-	-
TB0	TB0-MT	2014	16,426
SSB0	SSB0-MT	2014	5614
MSY	MSY-MT	2014	625
M	M-1/yr	2014	0.106
TBlim	TBlim-MT	2007	6767
SSBlim	SSBlim-MT	2014	1123
Flim	-	-	-
ERlim	-	-	-

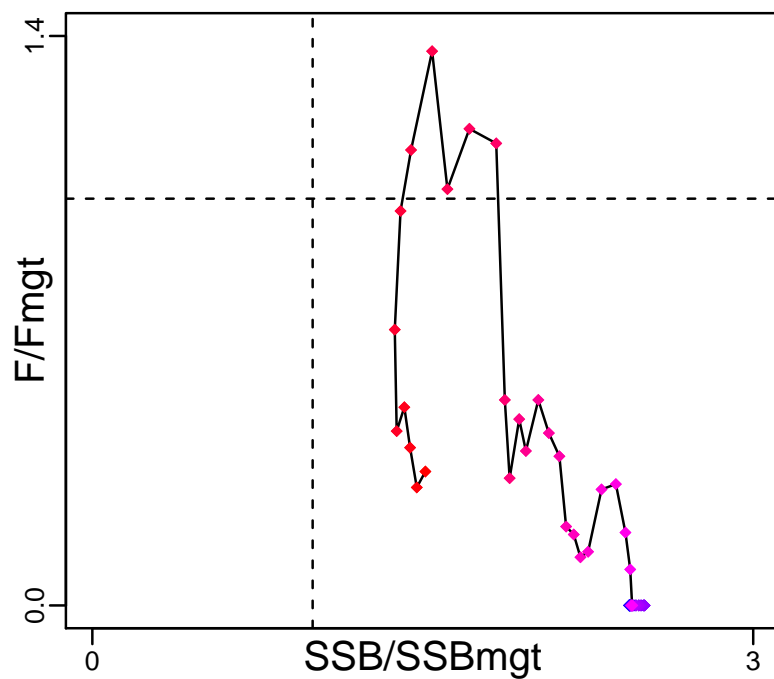
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	11,900	-	-
SSB	SSB-MT	2014	3480	-	-
TN	-	-	-	-	-
R	R-E00	2014	4.79×10^{12}	-	-
F	F-1/yr	2014	0.02	-	-
ER	ER-ratio	2014	0.02	-	-
TC	-	-	-		
TL	TL-MT	2014	238		
TB/TBmsy	TB-MT/(TB0-MT*0.368)	2014	1.969		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	2.819		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.195		
ER/ERmsy	ER-ratio/ERmsy-ratio	2007	1.07		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	1.512		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	0.329		
ER/ERmgt	-	-	-		

Bight redfish Southeast Australia [BIGHTREDSE]

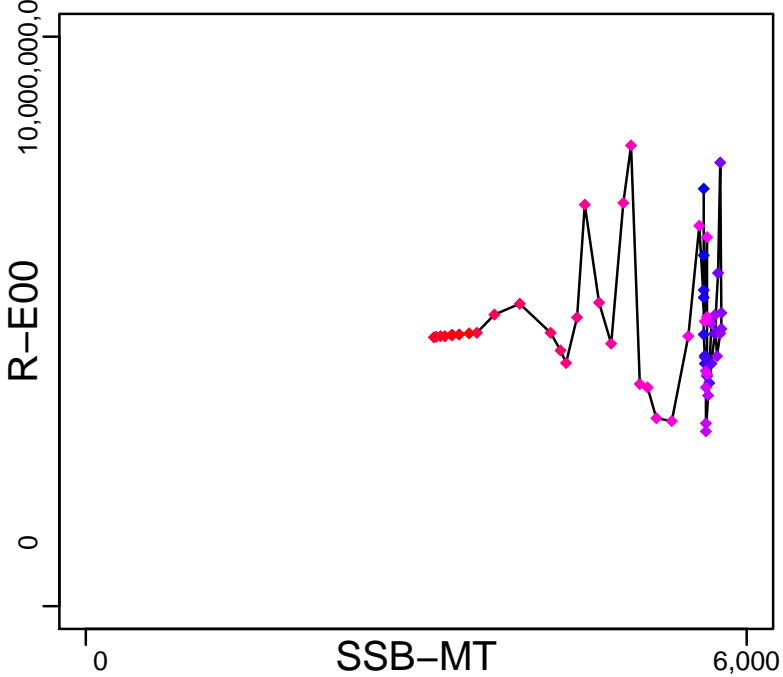
Kobe MSYpref (1960–2014–MOESENEDER)



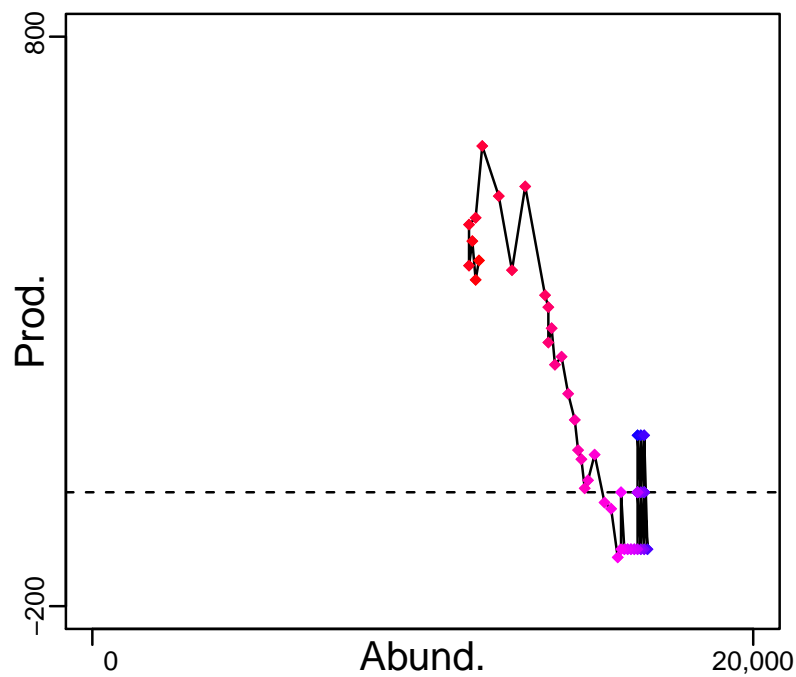
Kobe MGTpref (1960–2014–MOESENEDER)



Spawner Recruit (1960–2014–MOESENEDER)



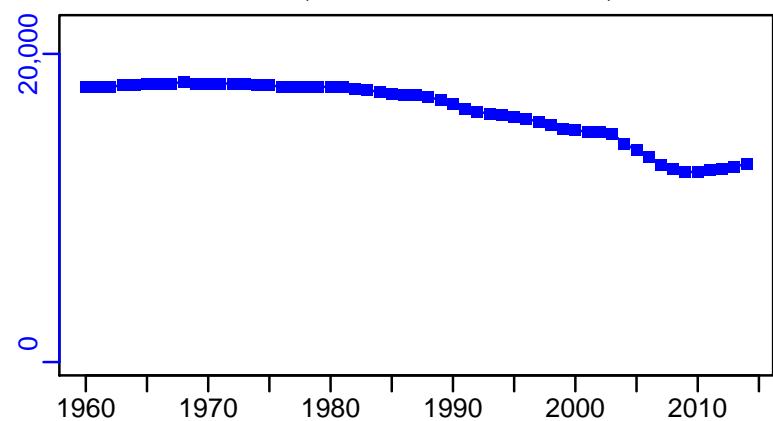
Production (1960–2014–MOESENEDER)



◆ Start Year ◆ End Year * No Data

Bight redfish Southeast Australia [BIGHTREDSE]

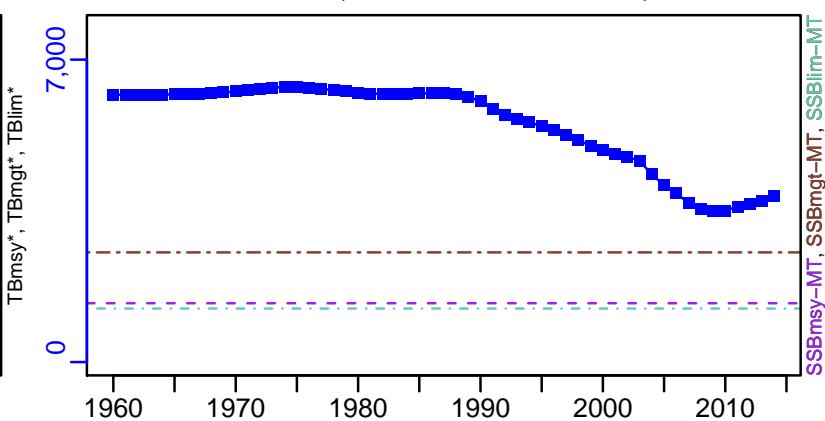
TB-MT (1960–2014–MOESENEDER)



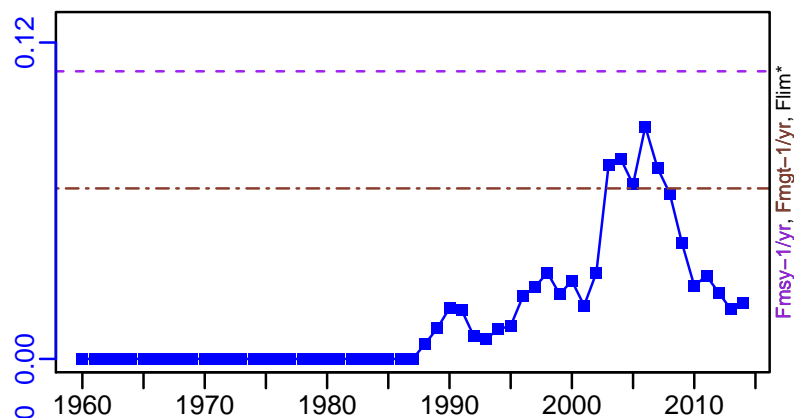
TN *



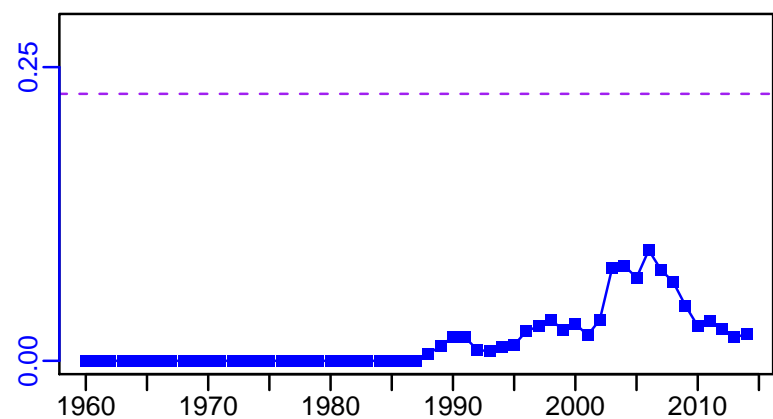
SSB-MT (1960–2014–MOESENEDER)



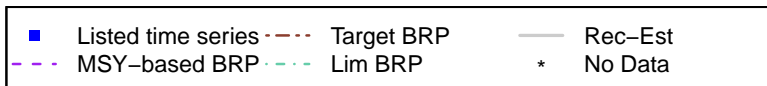
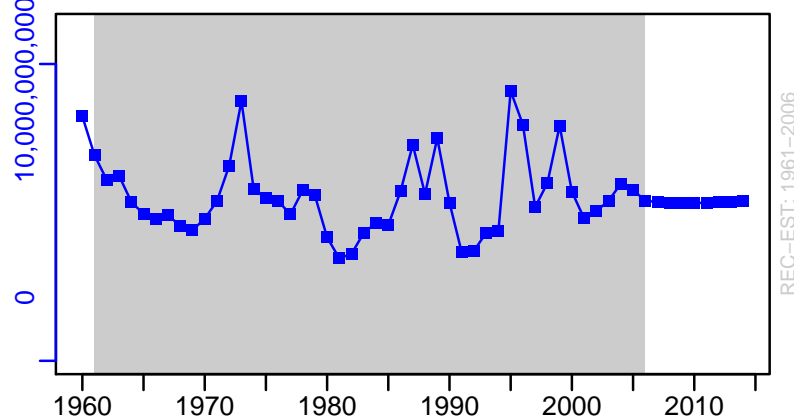
F-1/yr (1960–2014–MOESENEDER)



ER-ratio (1960–2014–MOESENEDER)

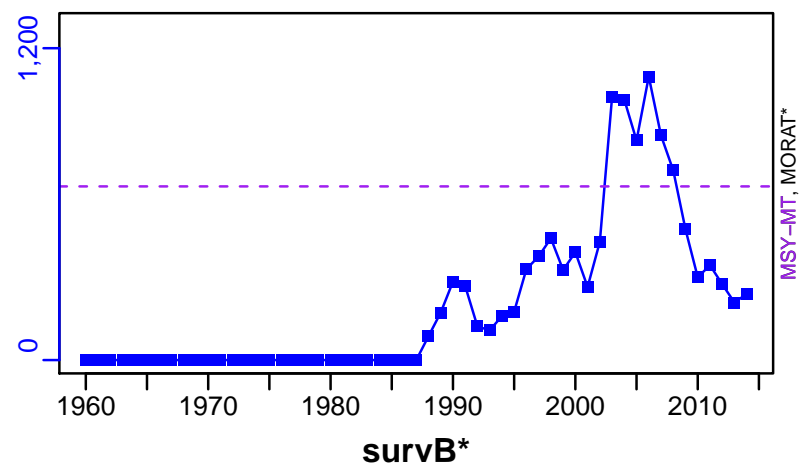


R-E00 (1960–2014–MOESENEDER)



Bight redfish Southeast Australia [BIGHTREDSE]

TL-MT, TC*, RecC* (1960-2014-MOESENER)



TAC*, Cpair*, Cadv*



survB*



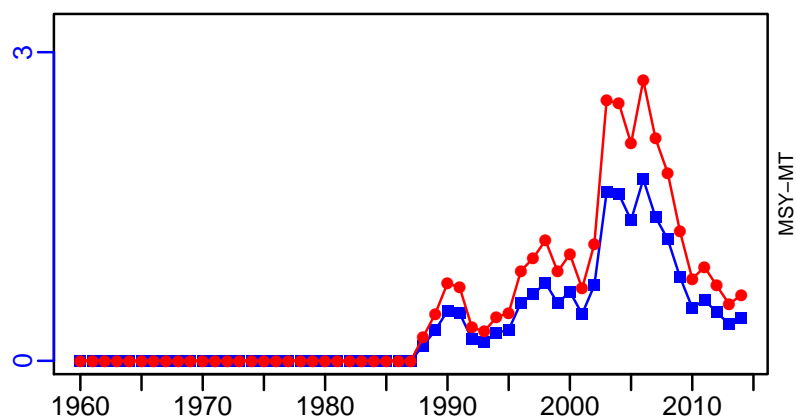
CPUE*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1960-2014-MOESENER)



Brown tiger shrimp Northern Australia [BTSHRIMPNAUST]

Metadata	
Scientific Name	Penaeus esculentus
Current Assess ID	CSIRO-BTSHRIMPNAUST-1969-2015-MOESENER
Area	Northern Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2015, 2006

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-E00	2015	13,728,752
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-E00	2015	14,765,577
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2015	1186
M	M-1/yr	2015	2.34
TBlim	-	-	-
SSBlim	SSBlim-E00	2015	6,864,376
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-E00	2015	23,966,420	-	-
TN	-	-	-	-	-
R	R-E00	2015	347,672,000	-	-
F	F-1/yr	2006	0.135	-	-
ER	-	-	-	-	-
TC	-	-	-	-	-
TL	TL-MT	2015	763	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	SSB-E00/SSBmsy-E00	2015	1.746	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	SSB-E00/SSBmgt-E00	2015	1.623	-	-
F/Fmgt	-	-	-	-	-
ER/ERmgt	-	-	-	-	-

Brown tiger shrimp Northern Australia [BTSHRIMPNAUST]

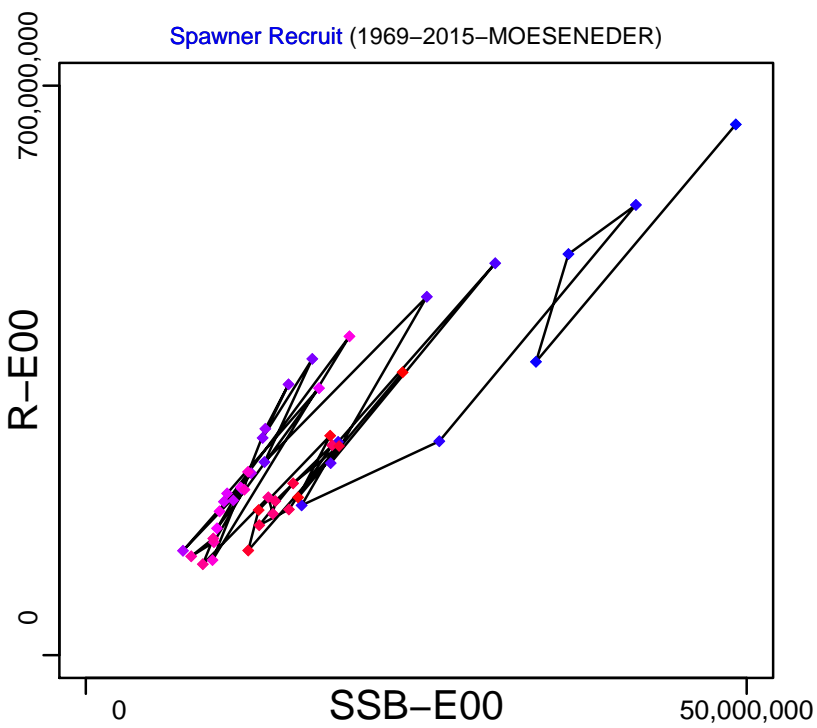
Kobe MSY*



Kobe MGT*



Spawner Recruit (1969–2015–MOESENEDER)



Production*



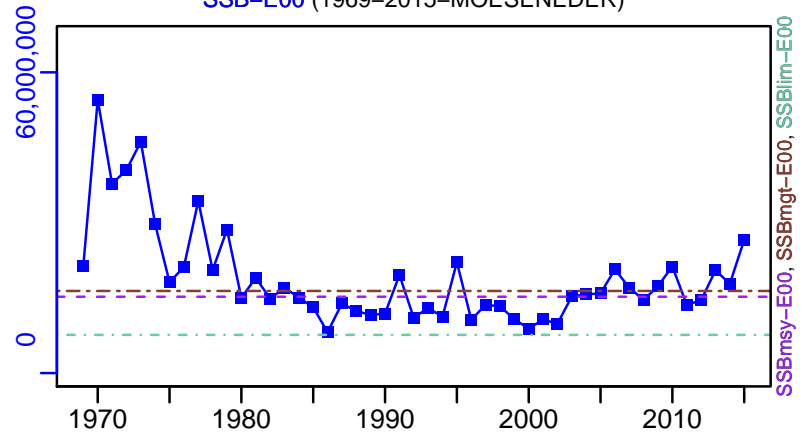
◆ Start Year ◆ End Year * No Data

Brown tiger shrimp Northern Australia [BTSHRIMPNAUST]

TB*



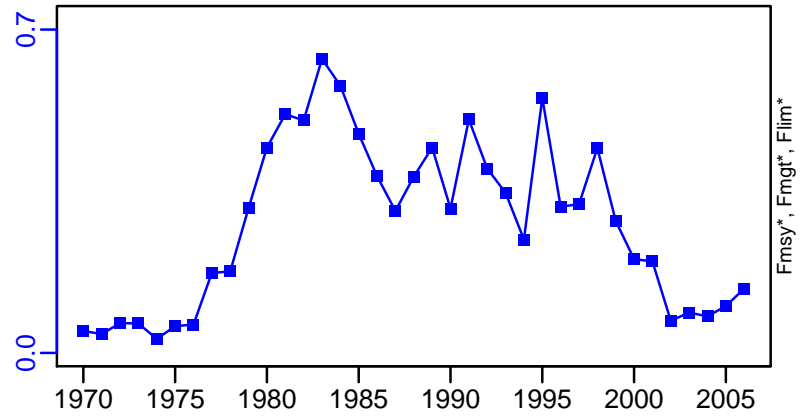
SSB-E00 (1969-2015-MOESENER)



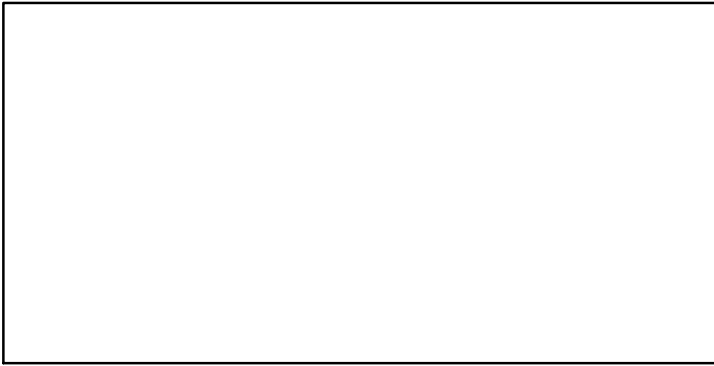
TN *



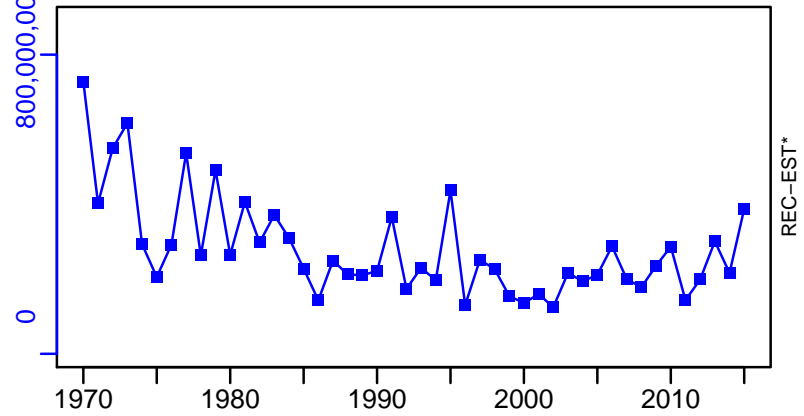
F-1/yr (1970-2006-FULTON)



ER*

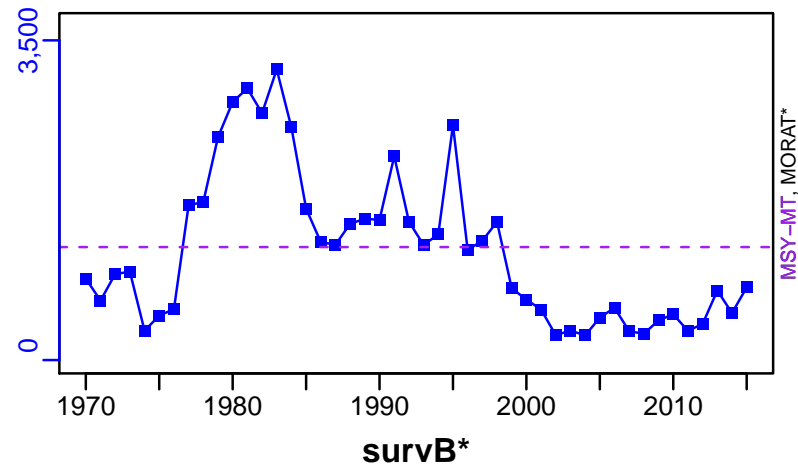


R-E00 (1969-2015-MOESENER)



Brown tiger shrimp Northern Australia [BTSHRIMPNAUST]

TL-MT, TC*, RecC* (1969-2015-MOESENER)



TAC*, Cpair*, Cadv*



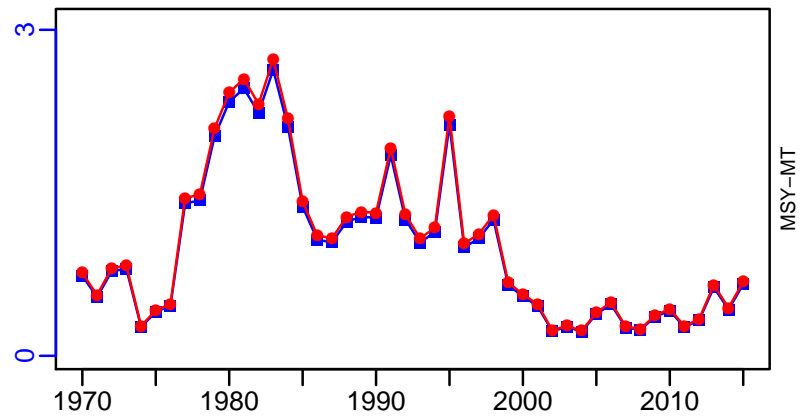
CPUE*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1969-2015-MOESENER)



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

Deepwater flathead Southeast Australia [DEEPFLATHEADSE]

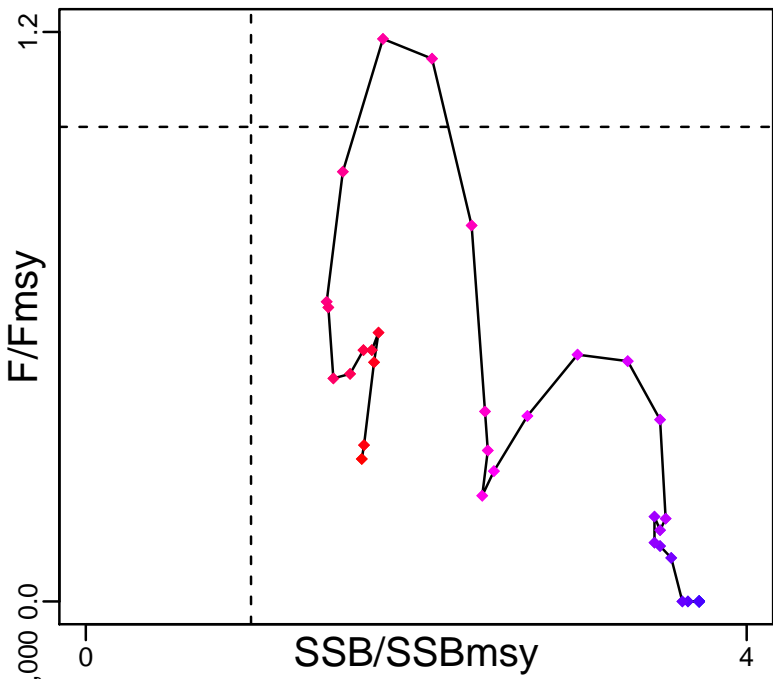
Metadata	
Scientific Name	Platycephalus conatus
Current Assess ID	CSIRO-DEEPFLATHEADSE-1980-2015-MOESENER
Area	Southeast Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2007, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	2963
Fmsy	Fmsy-1/yr	2015	0.168
ERmsy	ERmsy-conv-ratio	2015	0.198
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2015	4750
Fmgt	Fmgt-1/yr	2015	0.105
ERmgt	-	-	-
TB0	TB0-MT	2015	21,058
SSB0	SSB0-MT	2015	11,046
MSY	MSY-MT	2015	1200
M	M-1/yr	2015	0.191
TBlim	TBlim-MT	2007	1369
SSBlim	SSBlim-MT	2015	2209
Flim	-	-	-
ERlim	-	-	-

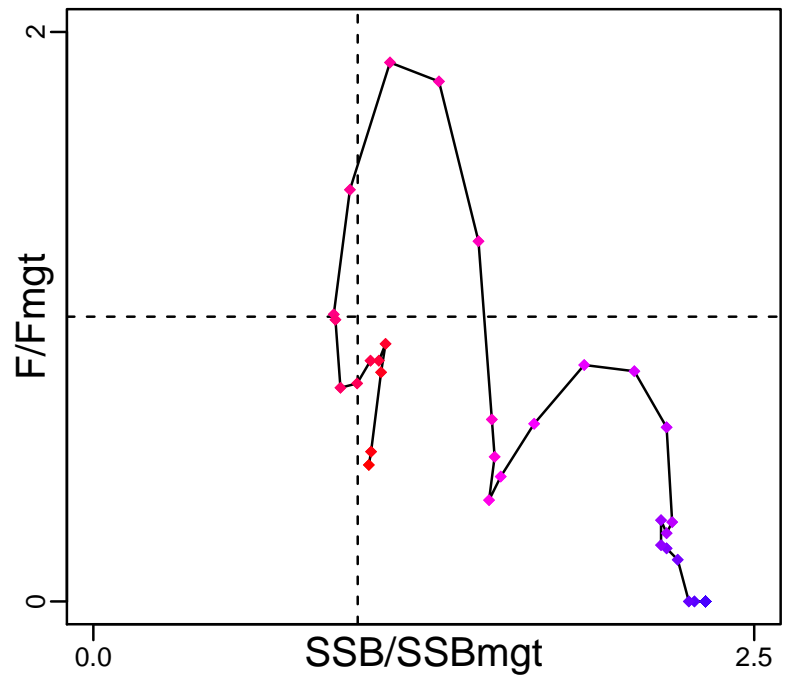
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	10,400	-	-
SSB	SSB-MT	2015	4950	-	-
TN	-	-	-	-	-
R	R-E00	2015	6.75×10^{12}	-	-
F	F-1/yr	2015	0.05	-	-
ER	ER-ratio	2015	0.05	-	-
TC	-	-	-		
TL	TL-MT	2015	523		
TB/TBmsy	TB-MT/(TB0-MT*0.368)	2015	1.342		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.67		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.3		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2015	0.254		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	1.042		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.479		
ER/ERmgt	-	-	-		

Deepwater flathead Southeast Australia [DEEPFLATHEADSE]

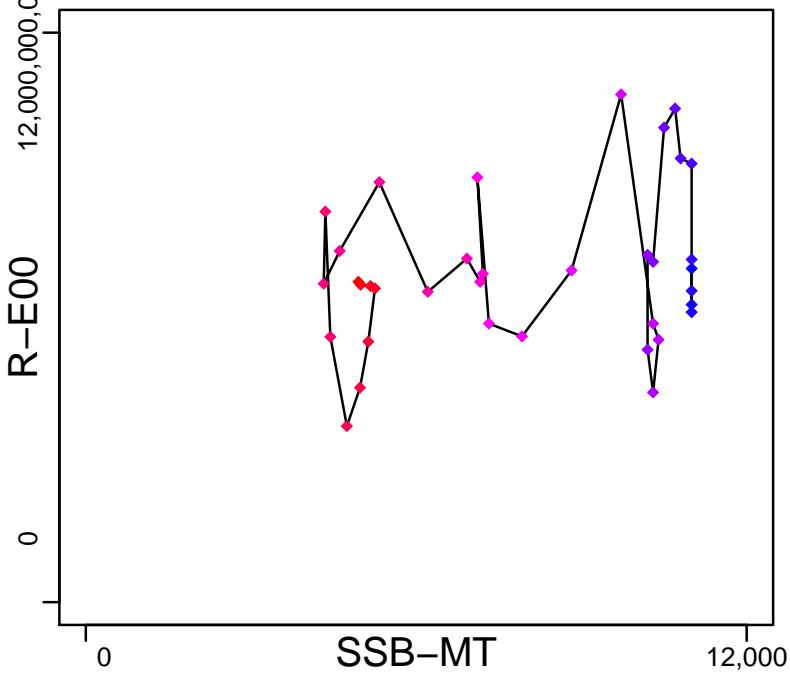
Kobe MSYpref (1980–2015–MOESENEDER)



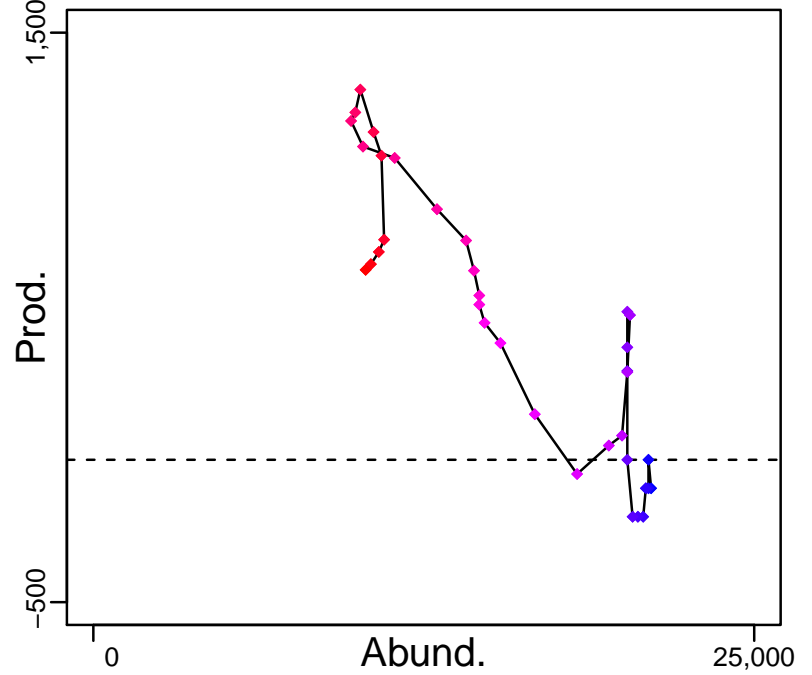
Kobe MGTpref (1980–2015–MOESENEDER)



Spawner Recruit (1980–2015–MOESENEDER)



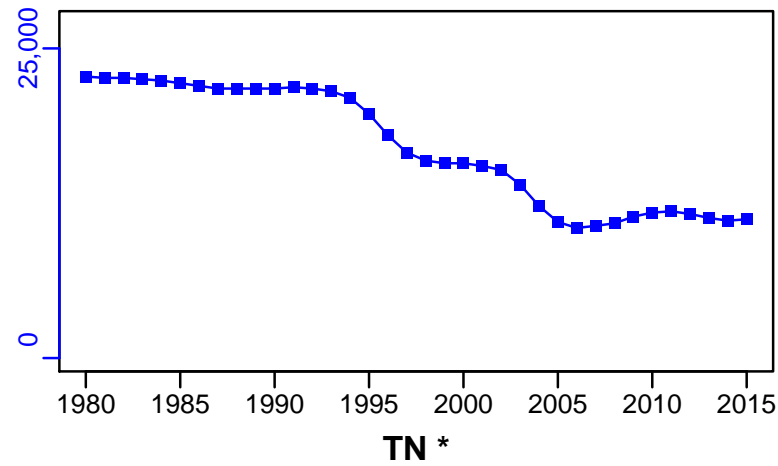
Production (1980–2015–MOESENEDER)



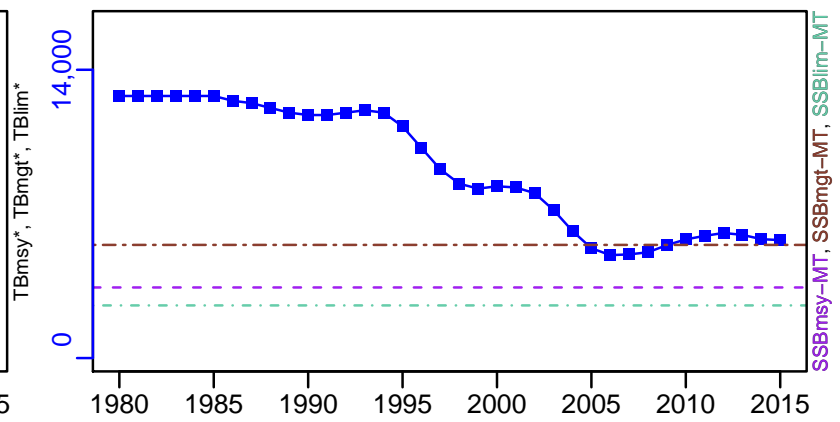
◆ Start Year ◆ End Year * No Data

Deepwater flathead Southeast Australia [DEEPFLATHEADSE]

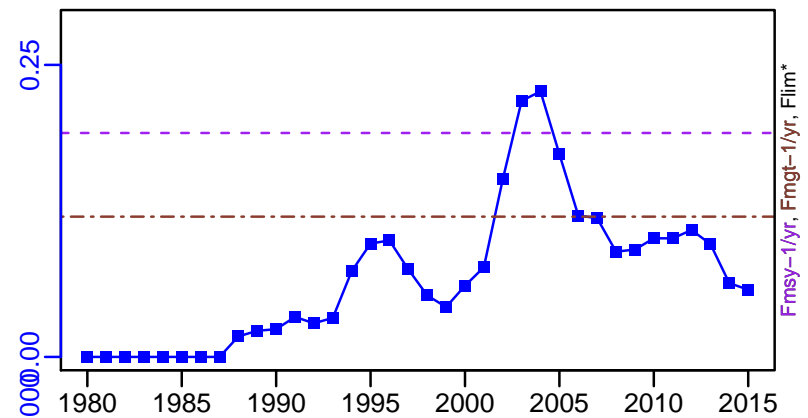
TB-MT (1980-2015-MOESENER)



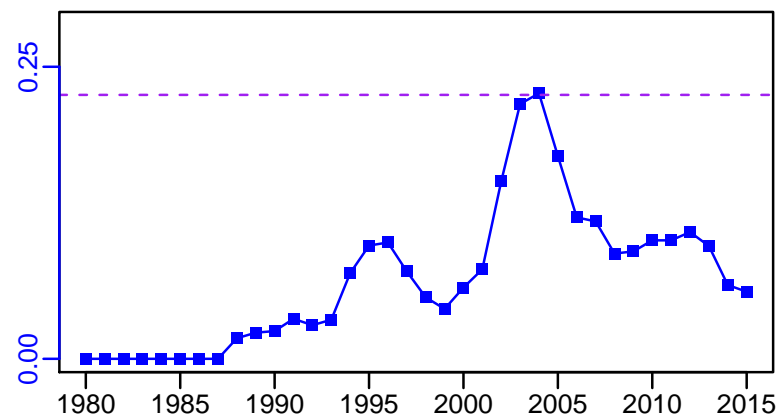
SSB-MT (1980-2015-MOESENER)



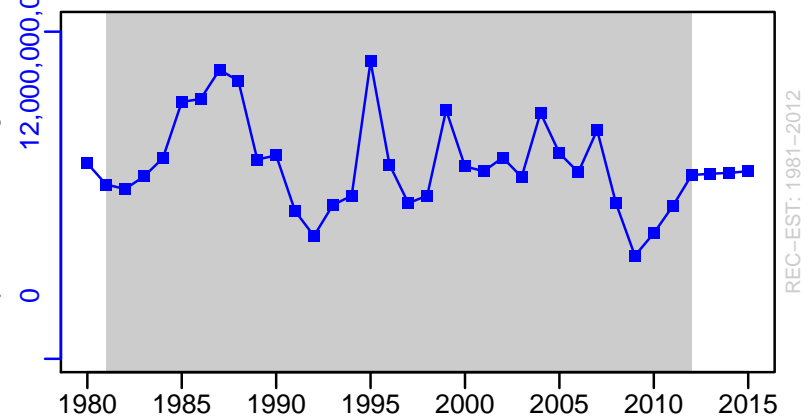
F-1/yr (1980-2015-MOESENER)



ER-ratio (1980-2015-MOESENER)

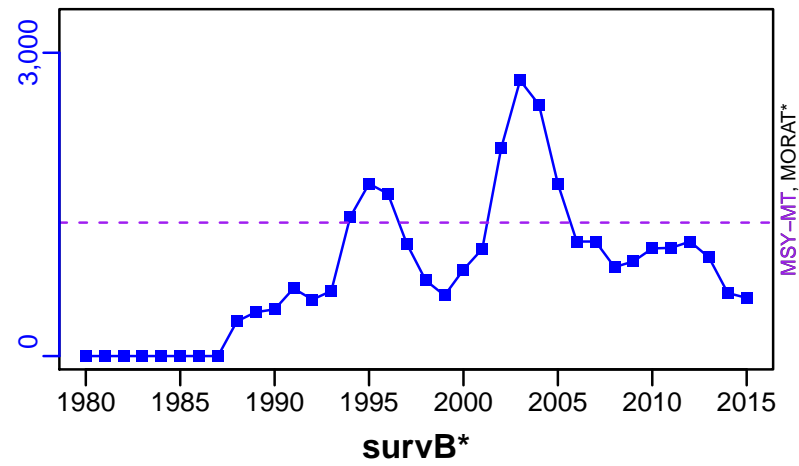


R-E00 (1980-2015-MOESENER)



Deepwater flathead Southeast Australia [DEEPFLATHEADSE]

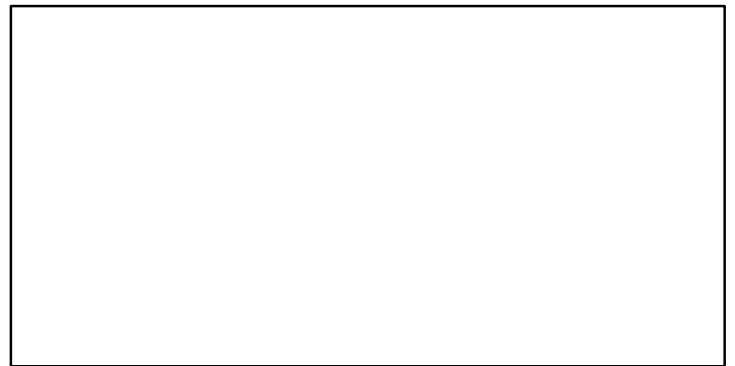
TL-MT, TC*, RecC* (1980-2015-MOESENER)



TAC*, Cpair*, Cadv*



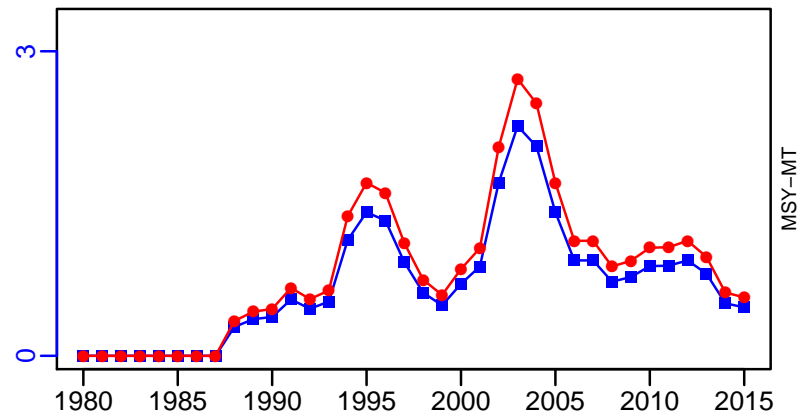
CPUE*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1980-2015-MOESENER)



Common gemfish Southeast Australia [GEMFISHSE]

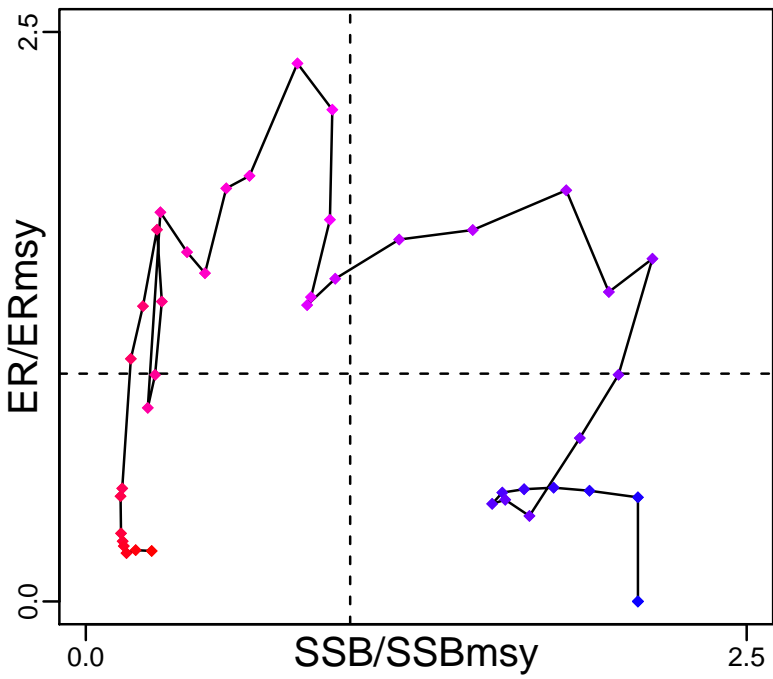
Metadata	
Scientific Name	Rexea solandri
Current Assess ID	CSIRO-GEMFISHSE-1966-2007-FULTON
Area	Southeast Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2007

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2007	5458
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2007	0.122
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2007	1996
M	-	-	-
TBlim	TBlim-MT	2007	2274
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

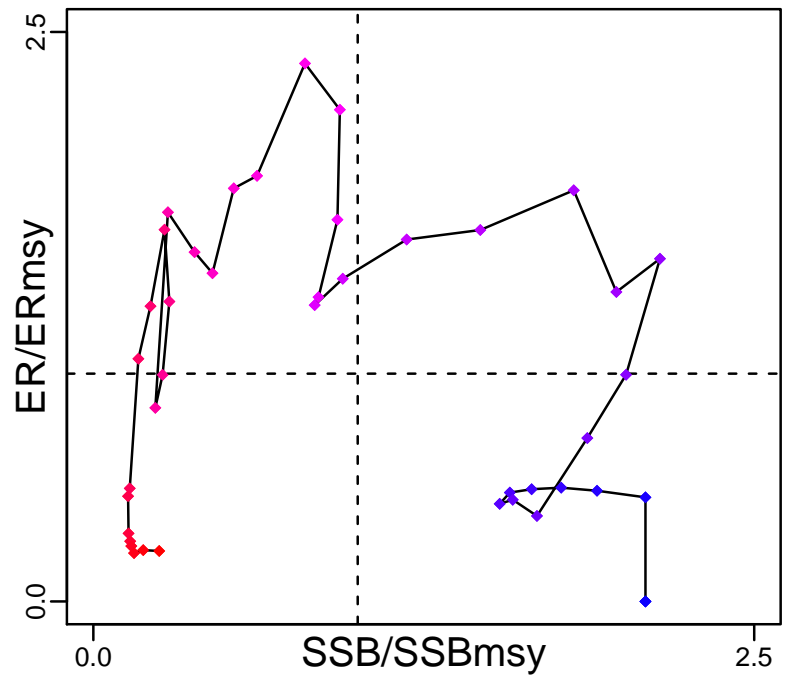
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2007	3770	-	0
SSB	SSB-MT	2007	1360	Females	3
TN	-	-	-	-	-
R	R-E00	2007	4,150,000	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2007	0.027	-	-
TC	-	-	-		
TL	TL-MT	2007	102		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2007	0.249		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2007	0.222		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Common gemfish Southeast Australia [GEMFISHSE]

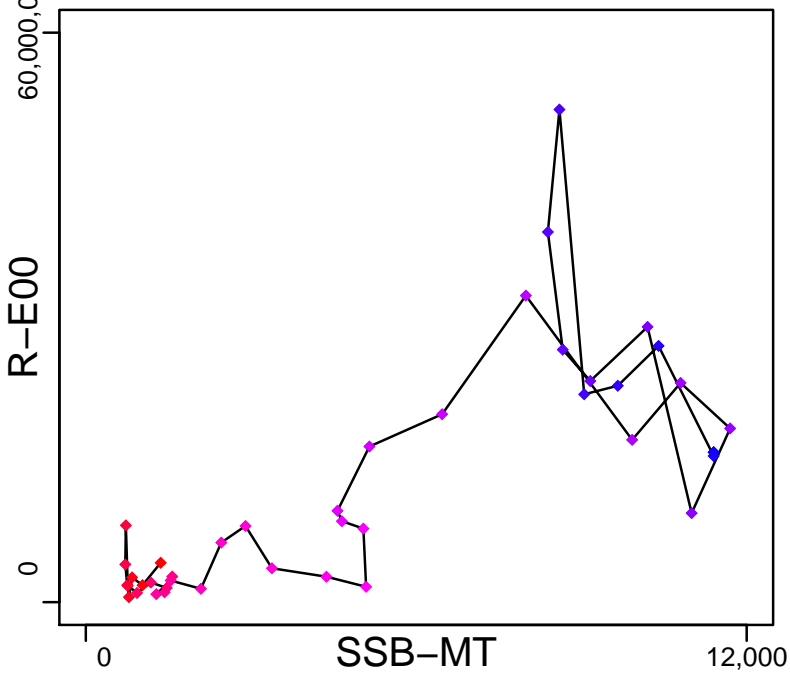
Kobe MSYpref (1966–2007–FULTON)



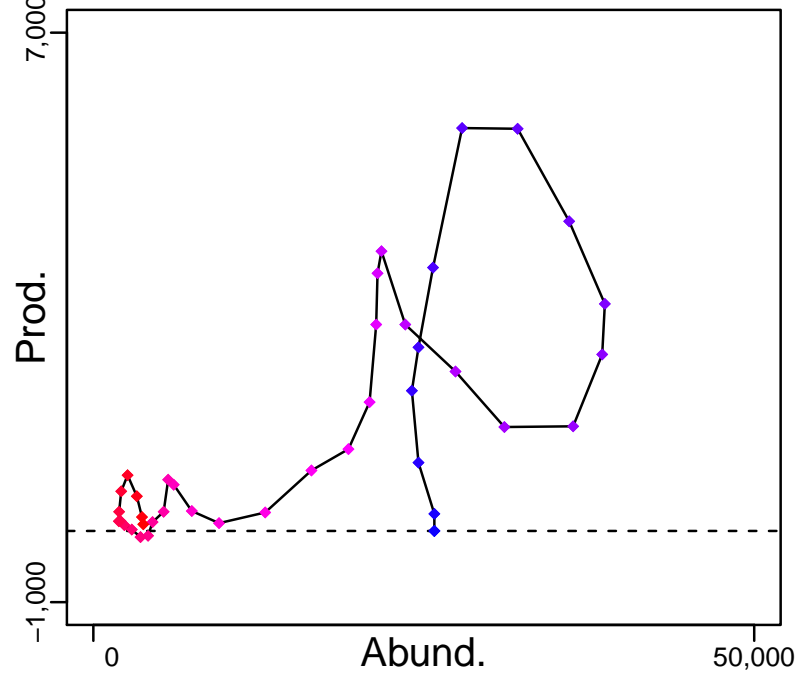
Kobe MGTpref (1966–2007–FULTON)



Spawner Recruit (1966–2007–FULTON)



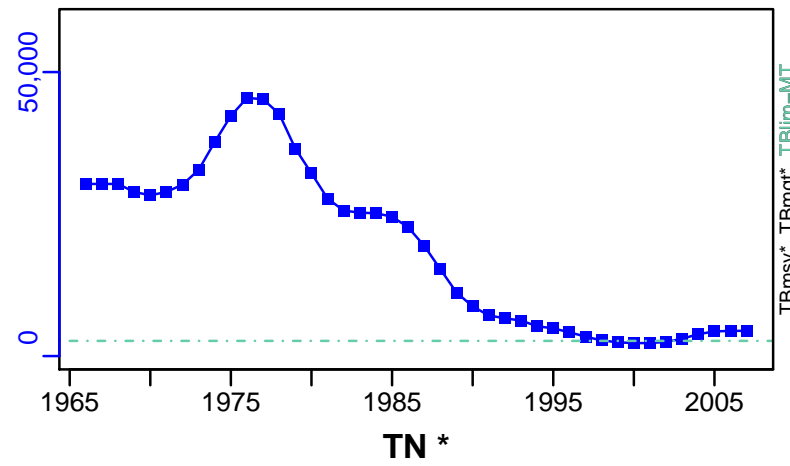
Production (1966–2007–FULTON)



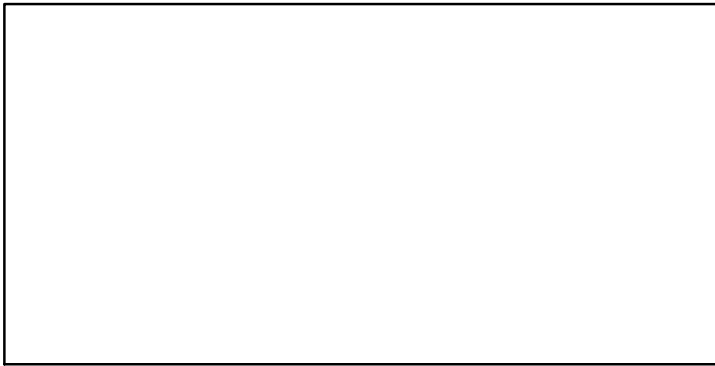
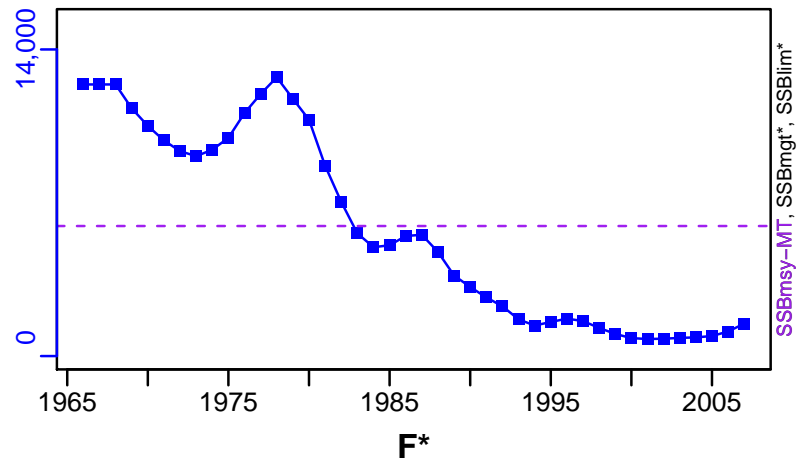
◆ Start Year ◆ End Year * No Data

Common gemfish Southeast Australia [GEMFISHSE]

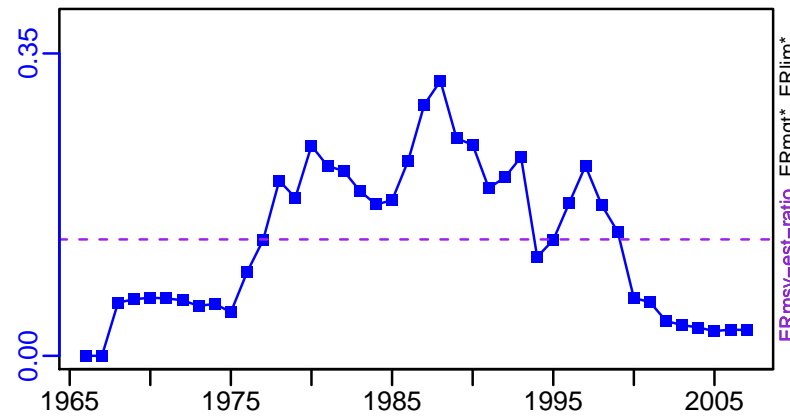
TB-MT (1966–2007–FULTON)



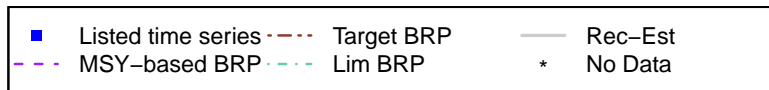
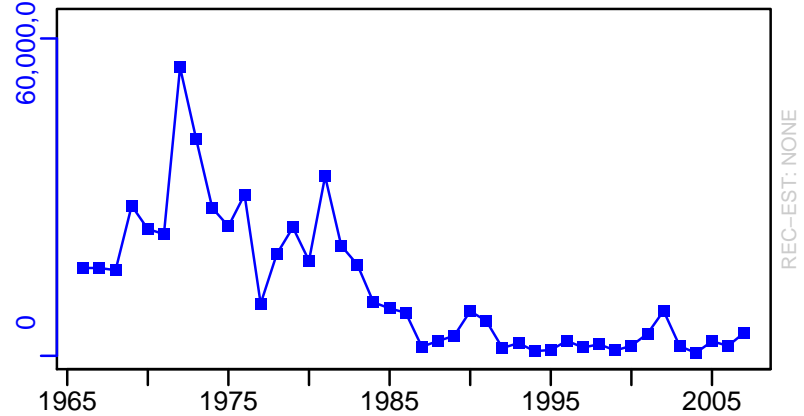
SSB-MT (1966–2007–FULTON)



ER-calc-ratio (1966–2007–FULTON)



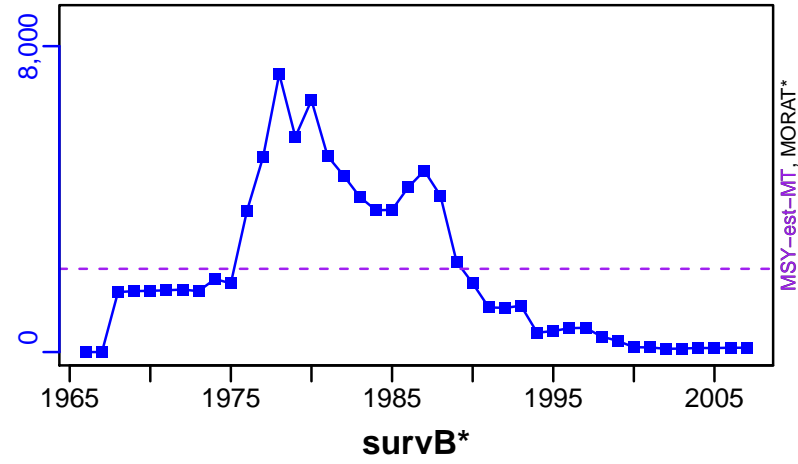
R-E00 (1966–2007–FULTON)



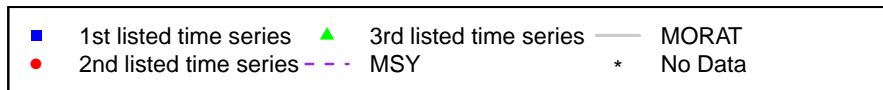
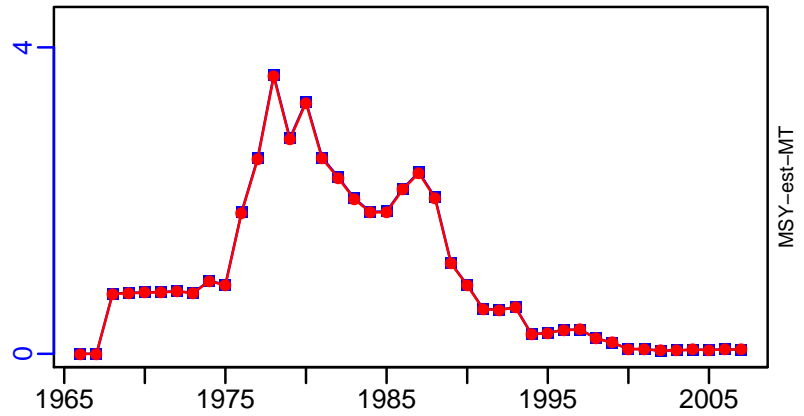
Common gemfish Southeast Australia [GEMFISHSE]

TL-MT, TC*, RecC* (1966-2007-FULTON)

TAC*, Cpair*, Cadv*



TL-MT/MSY-est-MT, CdivMEANC-ratio, (1966-2007-FULTON)



Grooved tiger prawn Northern Australia [GTPRAWNNAUST]

Metadata	
Scientific Name	Penaeus semisulcatus
Current Assess ID	CSIRO-GTPRAWNNAUST-1969-2015-MOESENER
Area	Northern Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2015, 2006

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-E00	2015	19,080,680
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-E00	2015	20,663,682
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2015	1605
M	M-1/yr	2015	2.34
TBlim	-	-	-
SSBlim	SSBlim-E00	2015	9,540,340
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-E00	2015	35,309,530	-	-
TN	-	-	-	-	-
R	R-E00	2015	528,150,000	-	-
F	F-1/yr	2006	0.493	-	-
ER	-	-	-	-	-
TC	-	-	-	-	-
TL	TL-MT	2015	2399	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	SSB-E00/SSBmsy-E00	2015	1.851	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	SSB-E00/SSBmgt-E00	2015	1.709	-	-
F/Fmgt	-	-	-	-	-
ER/ERmgt	-	-	-	-	-

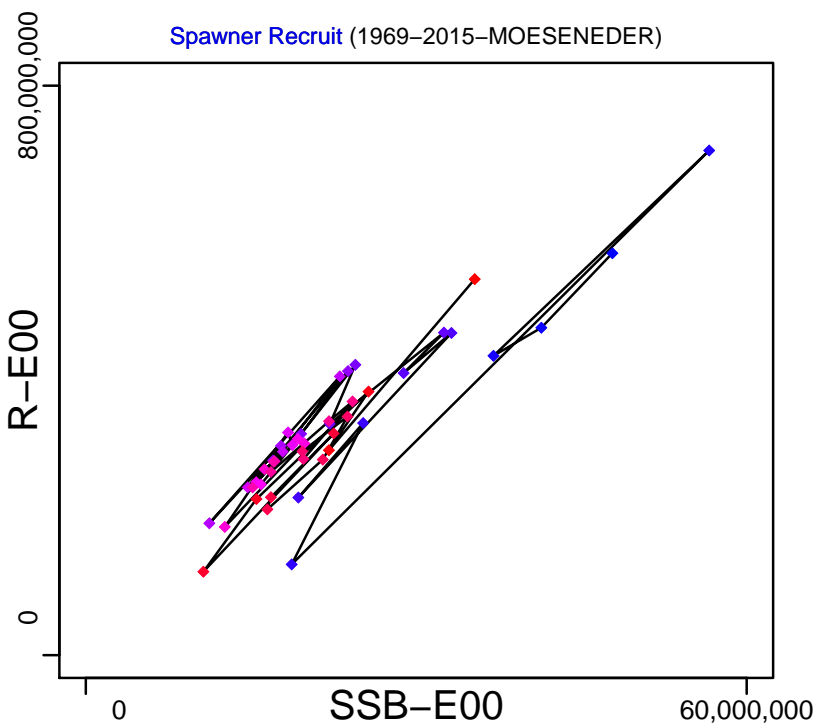
Kobe MSY*



Kobe MGT*



Spawner Recruit (1969–2015–MOESENEDER)



Production*



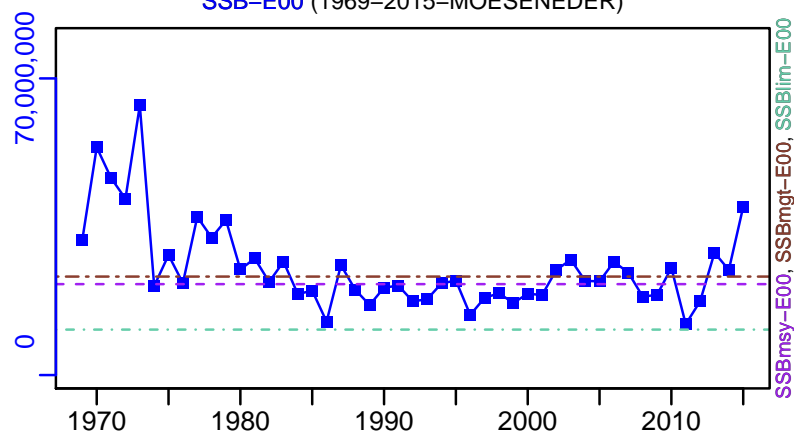
◆ Start Year ◆ End Year * No Data

Grooved tiger prawn Northern Australia [GTPRAWNNAUST]

TB*



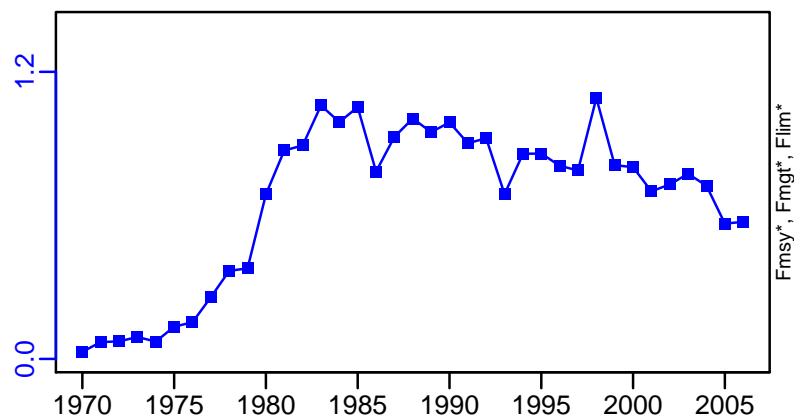
SSB-E00 (1969-2015-MOESENER)



TN *



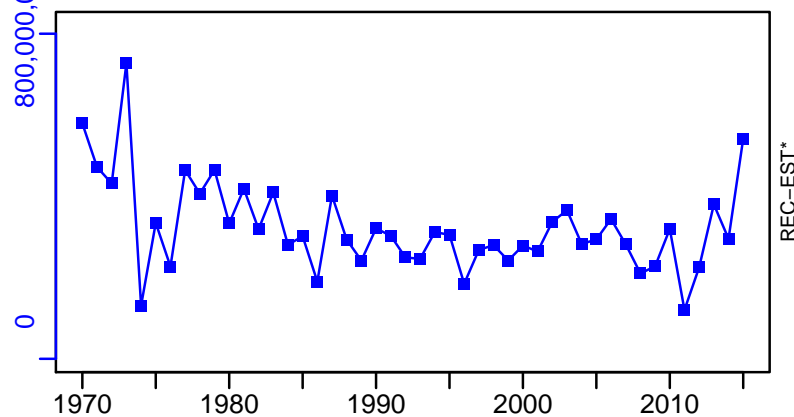
F-1/yr (1970-2006-FULTON)



ER*

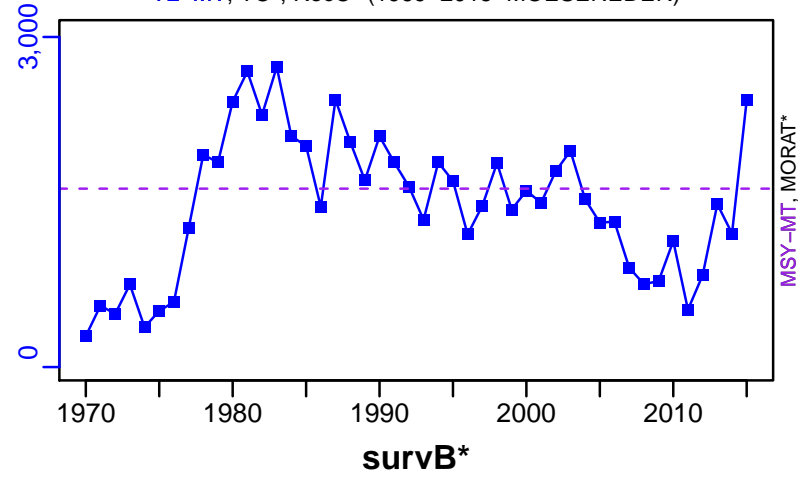


R-E00 (1969-2015-MOESENER)



Grooved tiger prawn Northern Australia [GTPRAWNNAUST]

TL-MT, TC*, RecC* (1969-2015-MOESENER)



TAC*, Cpair*, Cadv*



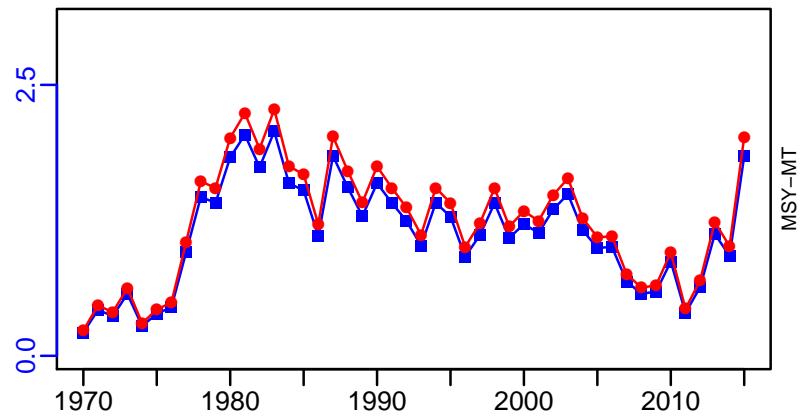
CPUE*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1969-2015-MOESENER)



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

Jackass morwong Eastern half of Southeast Australia [MORWONGESE]

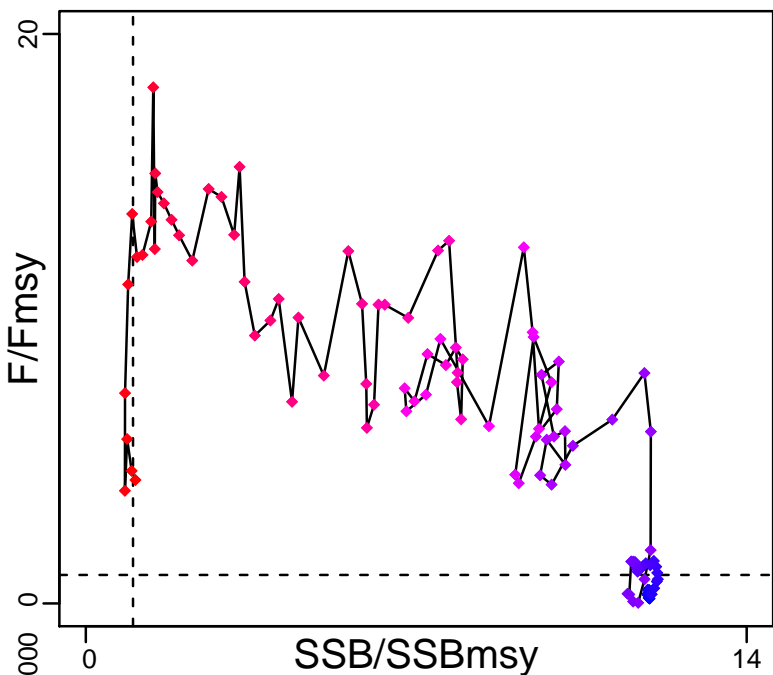
Metadata	
Scientific Name	Nemadactylus macropterus
Current Assess ID	CSIRO-MORWONGESE-1915-2017-MOESENER
Area	Eastern half of Southeast Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2014, 2017

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2017	1994
Fmsy	Fmsy-1/yr	2017	0.133
ERmsy	ERmsy-conv-ratio	2017	0.158
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2017	3382
Fmgt	Fmgt-1/yr	2017	0.08
ERmgt	-	-	-
TB0	TB0-MT	2017	8513
SSB0	SSB0-MT	2017	7047
MSY	MSY-MT	2017	411
M	M-1/yr	2017	0.15
TBlim	-	-	-
SSBlim	SSBlim-MT	2017	1409
Flim	-	-	-
ERlim	-	-	-

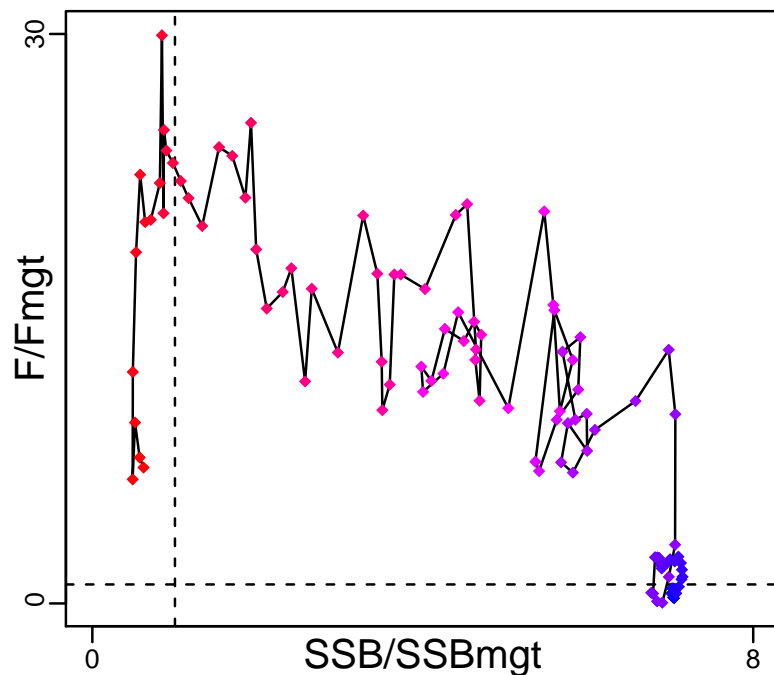
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2017	3175	-	-
SSB	SSB-MT	2017	2097	-	-
TN	-	-	-	-	-
R	R-E00	2017	2.48×10^{12}	-	-
F	F-1/yr	2017	0.575	-	-
ER	ER-ratio	2017	0.047	-	-
TC	-	-	-		
TL	TL-MT	2017	139		
TB/TBmsy	TB-MT/(TB0-MT*0.368)	2017	1.013		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2017	1.051		
F/Fmsy	F-1/yr/Fmsy-1/yr	2017	4.336		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2017	0.296		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2017	0.62		
F/Fmgt	F-1/yr/Fmgt-1/yr	2017	7.161		
ER/ERmgt	-	-	-		

Jackass morwong Eastern half of Southeast Australia [MORWONGESE]

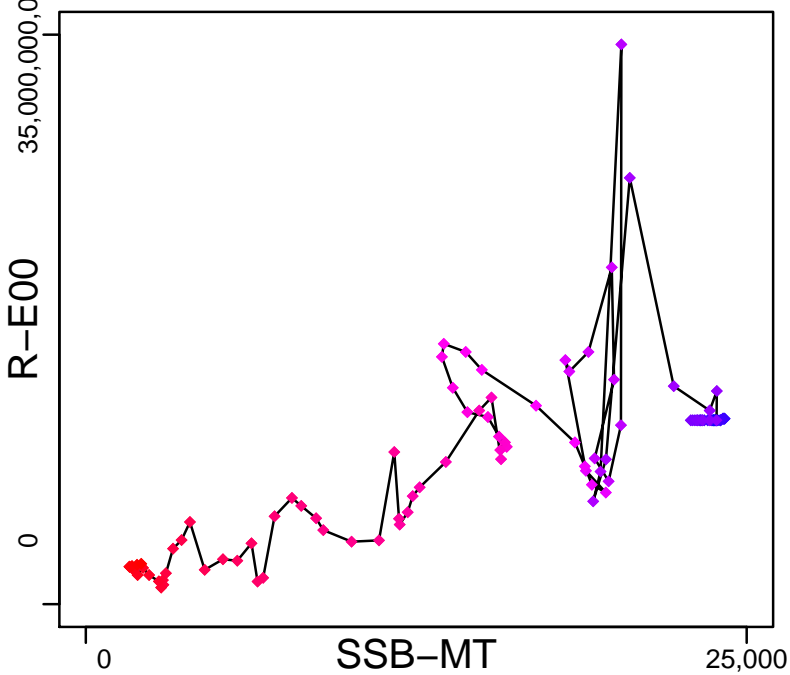
Kobe MSYpref (1915–2017–MOESENEDER)



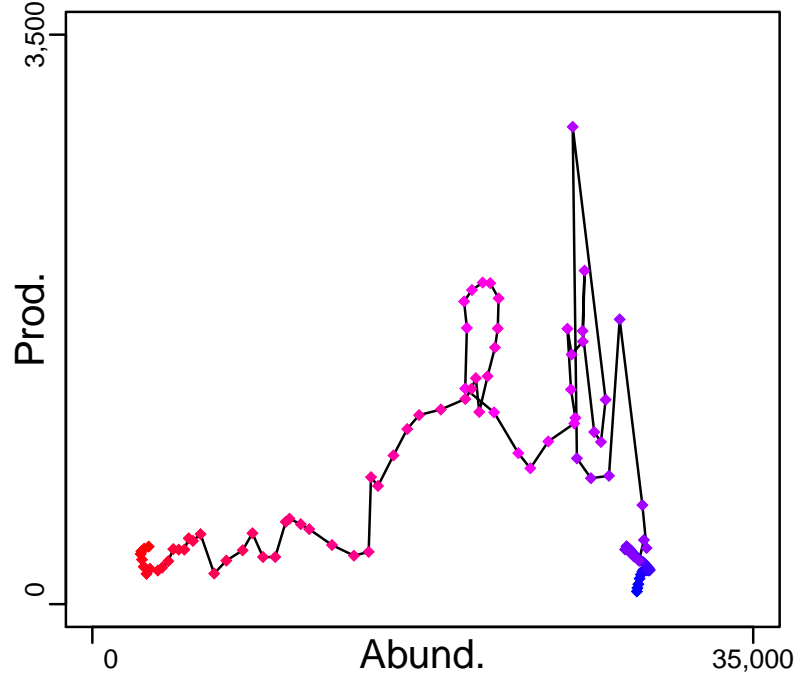
Kobe MGTpref (1915–2017–MOESENEDER)



Spawner Recruit (1915–2017–MOESENEDER)



Production (1915–2017–MOESENEDER)

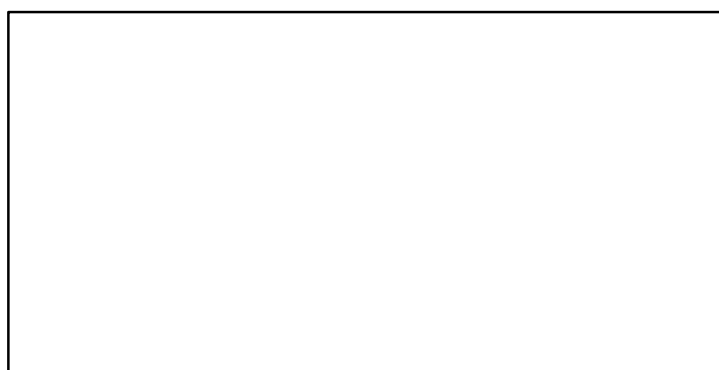
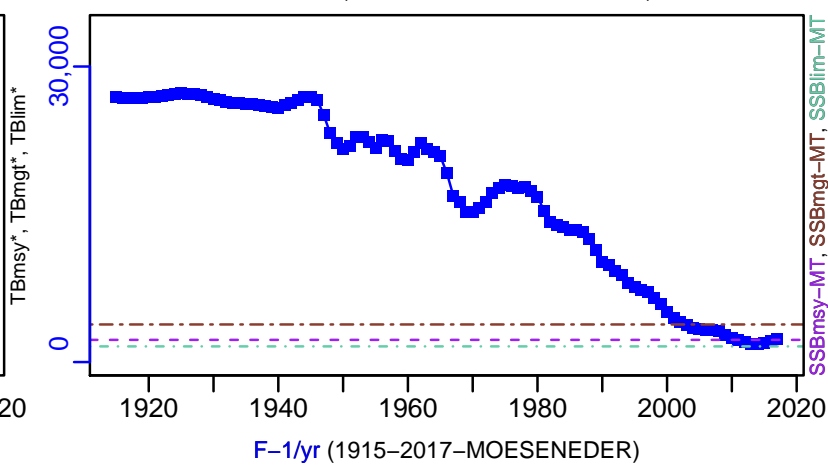
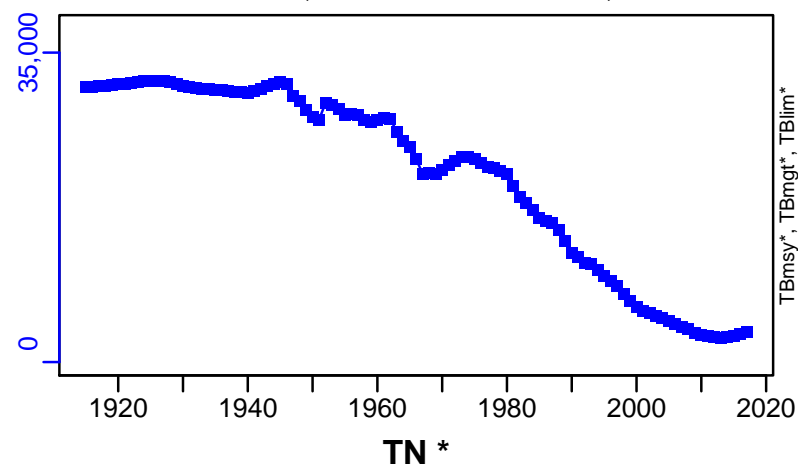


◆ Start Year ◆ End Year * No Data

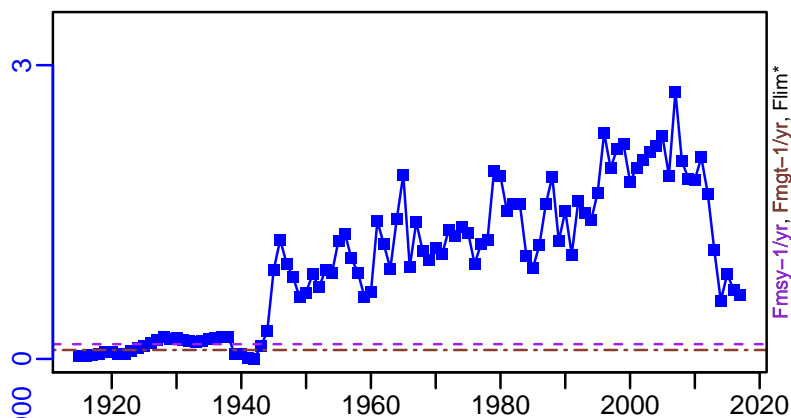
Jackass morwong Eastern half of Southeast Australia [MORWONGESE]

TB-MT (1915-2017-MOESENER)

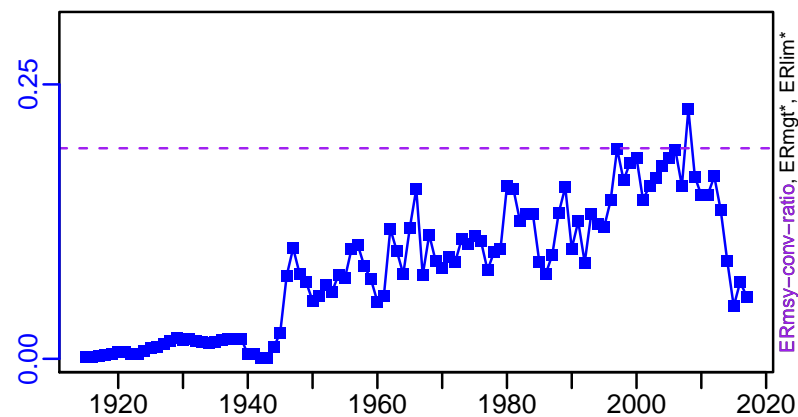
SSB-MT (1915-2017-MOESENER)



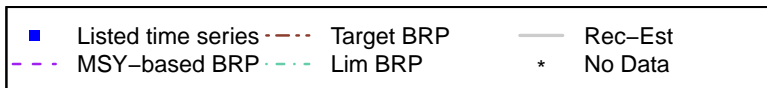
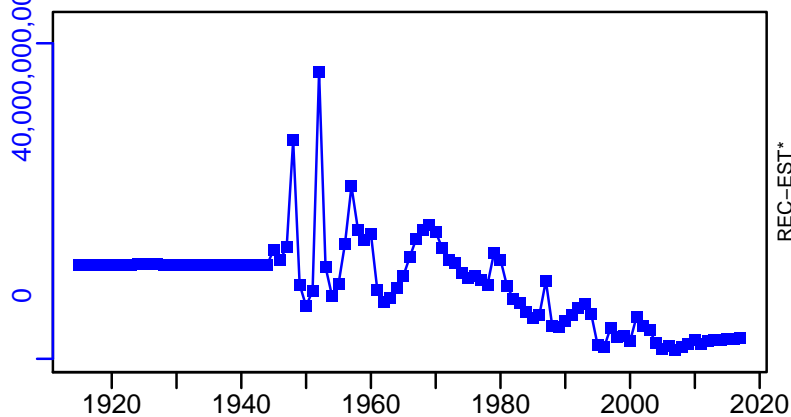
F-1/yr (1915-2017-MOESENER)



ER-ratio (1915-2017-MOESENER)



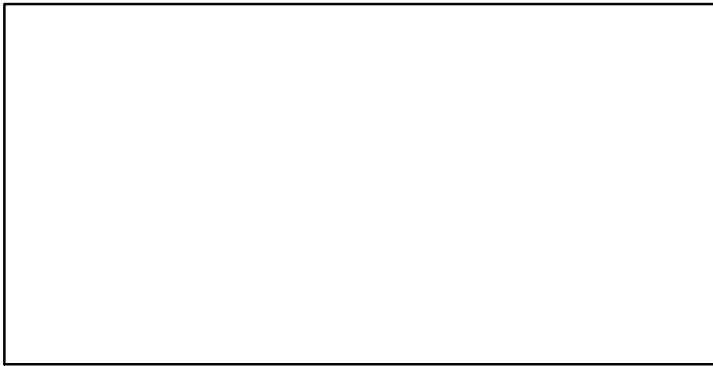
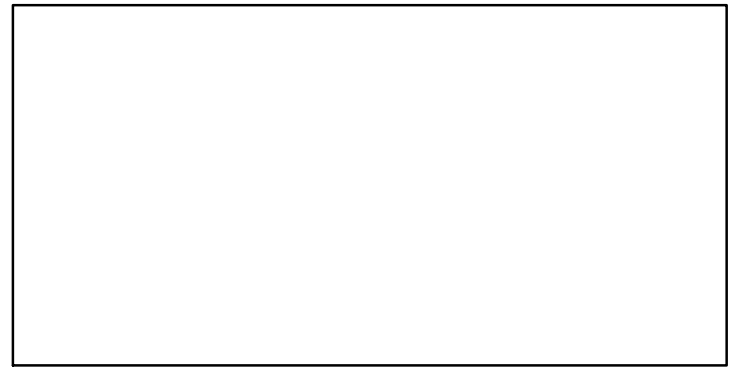
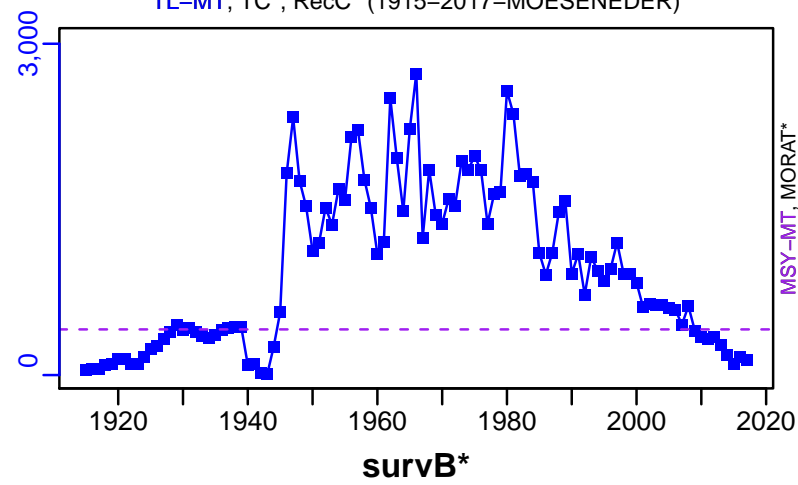
R-E00 (1915-2017-MOESENER)



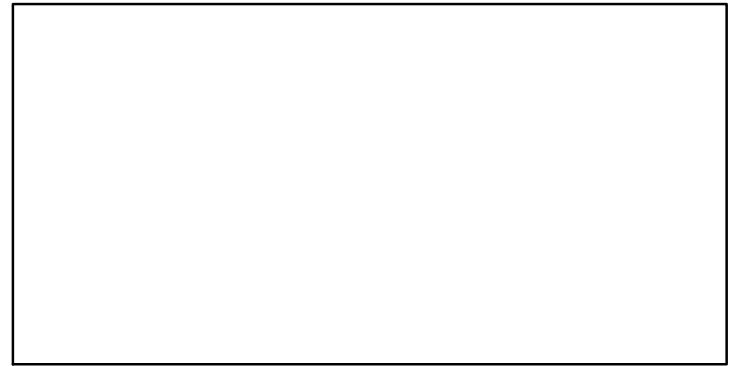
Jackass morwong Eastern half of Southeast Australia [MORWONGESE]

TL-MT, TC*, RecC* (1915-2017-MOESENER)

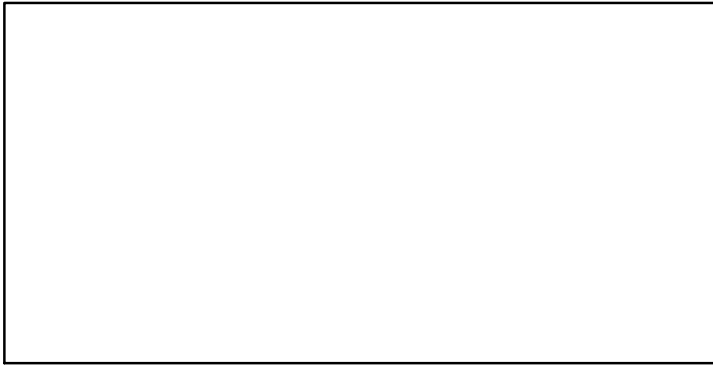
TAC*, Cpair*, Cadv*



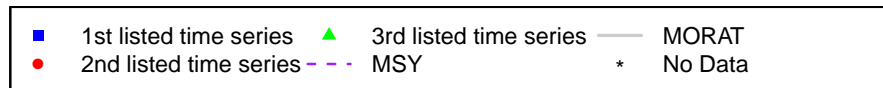
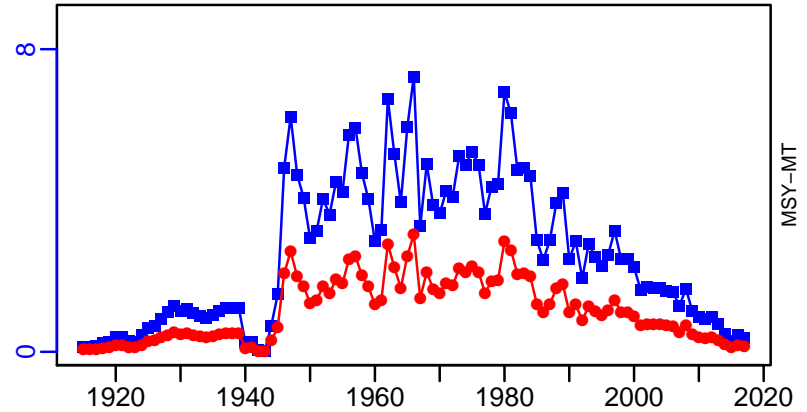
CPUE*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1915-2017-MOESENER)



Jackass morwong Western half of Southeast Australia [MORWONGWSE]

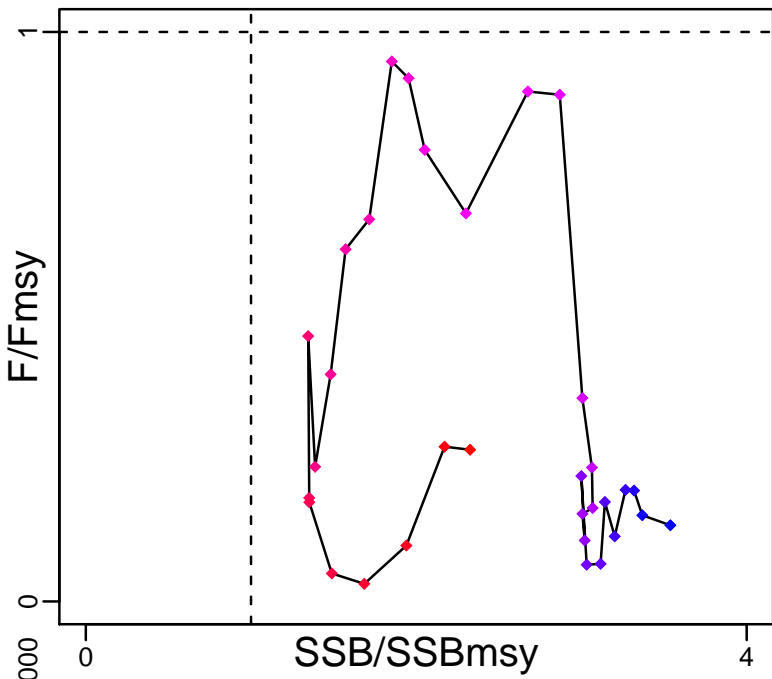
Metadata	
Scientific Name	Nemadactylus macropterus
Current Assess ID	CSIRO-MORWONGWSE-1986-2017-MOESENER
Area	Western half of Southeast Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2014, 2017

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2017	775
Fmsy	Fmsy-1/yr	2017	0.149
ERmsy	ERmsy-conv-ratio	2017	0.178
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2017	1317
Fmgt	Fmgt-1/yr	2017	0.09
ERmgt	-	-	-
TB0	TB0-MT	2017	3314
SSB0	SSB0-MT	2017	2743
MSY	MSY-MT	2017	180
M	M-1/yr	2017	0.15
TBlim	-	-	-
SSBlim	SSBlim-MT	2017	549
Flim	-	-	-
ERlim	-	-	-

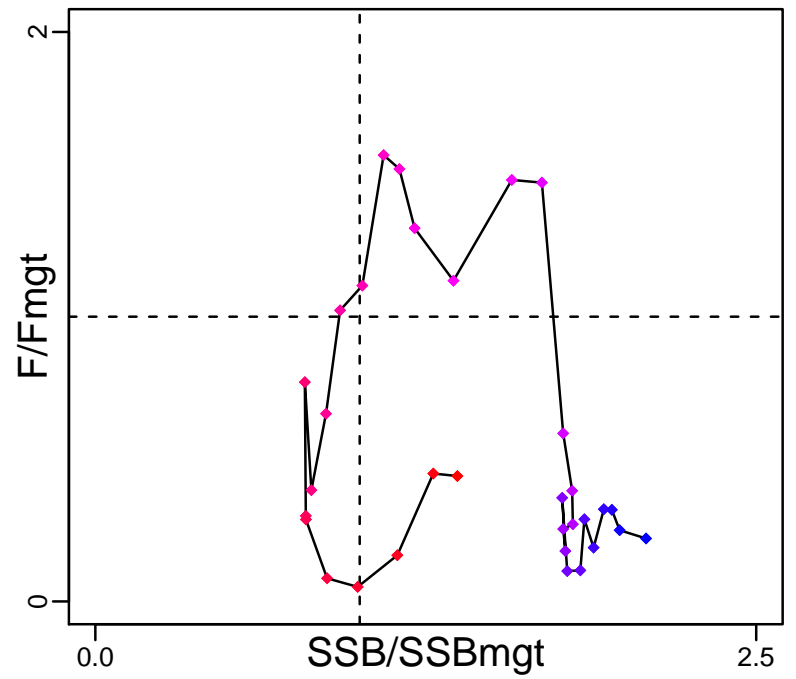
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2017	2338	-	-
SSB	SSB-MT	2017	1803	-	-
TN	-	-	-	-	-
R	R-E00	2017	1.14×10^{12}	-	-
F	F-1/yr	2017	0.04	-	-
ER	ER-ratio	2017	0.039	-	-
TC	-	-	-		
TL	TL-MT	2017	87		
TB/TBmsy	TB-MT/(TB0-MT*0.368)	2017	1.917		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2017	2.326		
F/Fmsy	F-1/yr/Fmsy-1/yr	2017	0.266		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2017	0.22		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2017	1.37		
F/Fmgt	F-1/yr/Fmgt-1/yr	2017	0.44		
ER/ERmgt	-	-	-		

Jackass morwong Western half of Southeast Australia [MORWONGWSE]

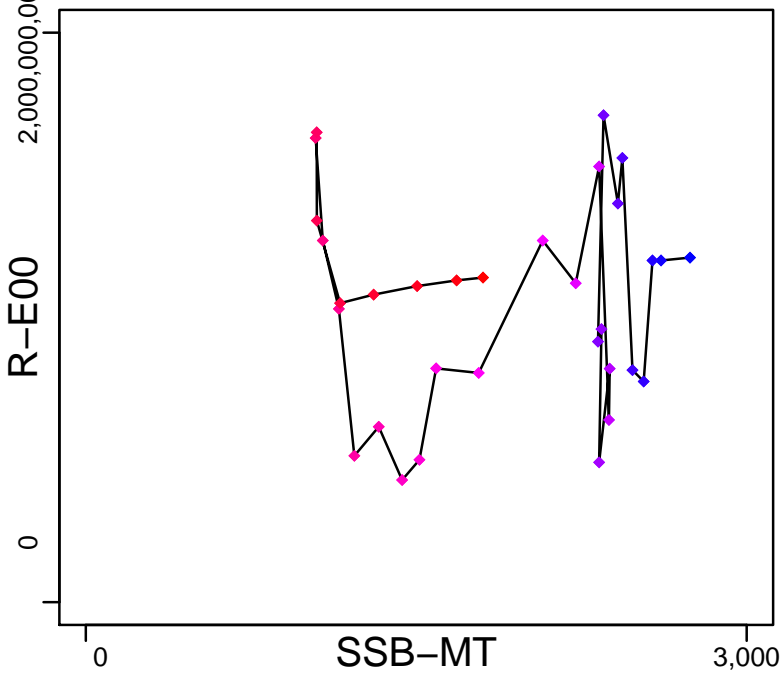
Kobe MSYpref (1986–2017–MOESENEDER)



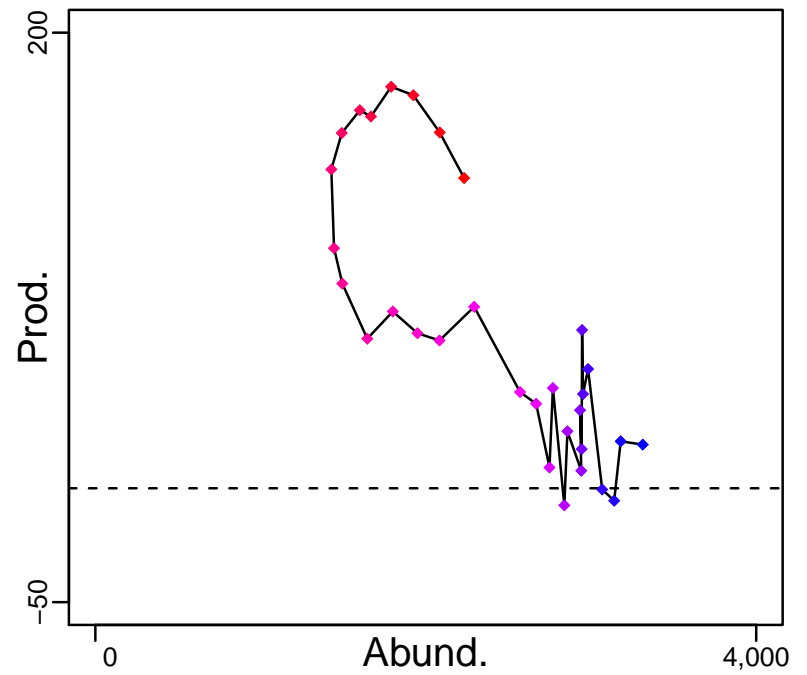
Kobe MGTpref (1986–2017–MOESENEDER)



Spawner Recruit (1986–2017–MOESENEDER)



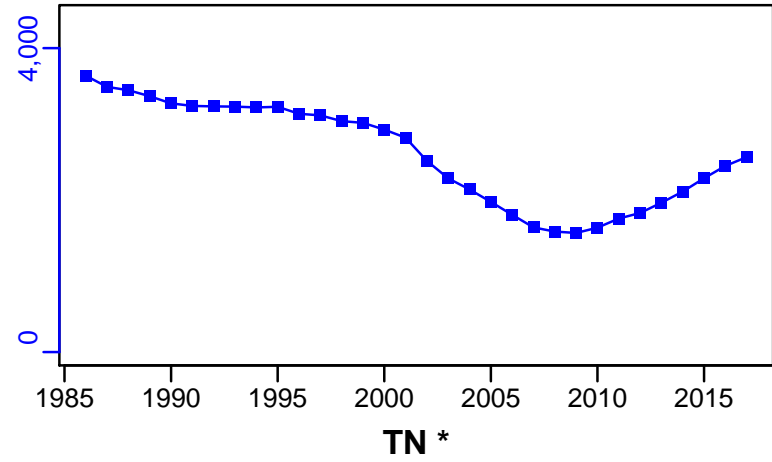
Production (1986–2017–MOESENEDER)



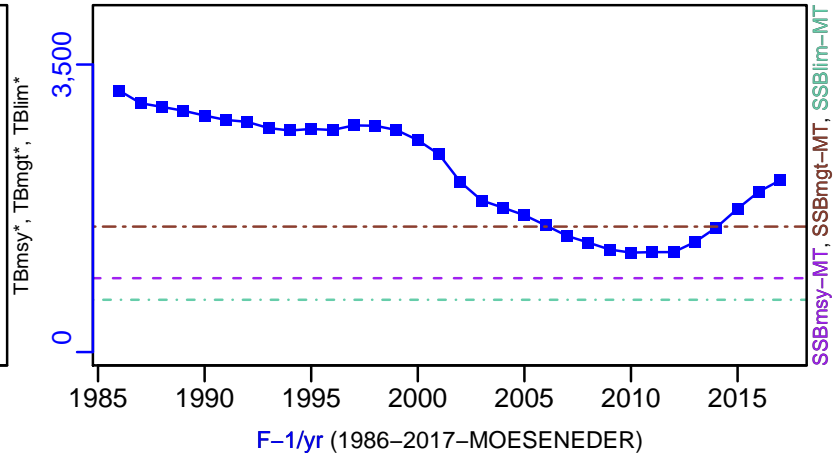
◆ Start Year ◆ End Year * No Data

Jackass morwong Western half of Southeast Australia [MORWONGWSE]

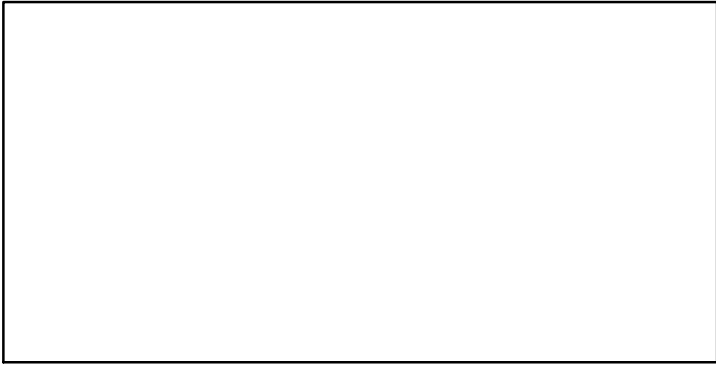
TB-MT (1986–2017–MOESENEDER)



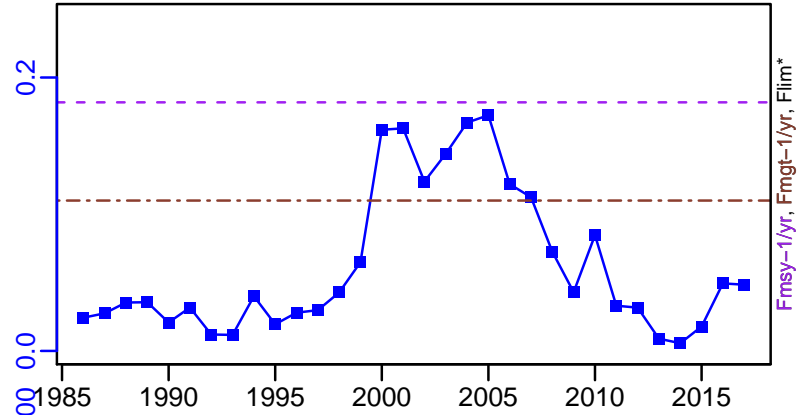
SSB-MT (1986–2017–MOESENEDER)



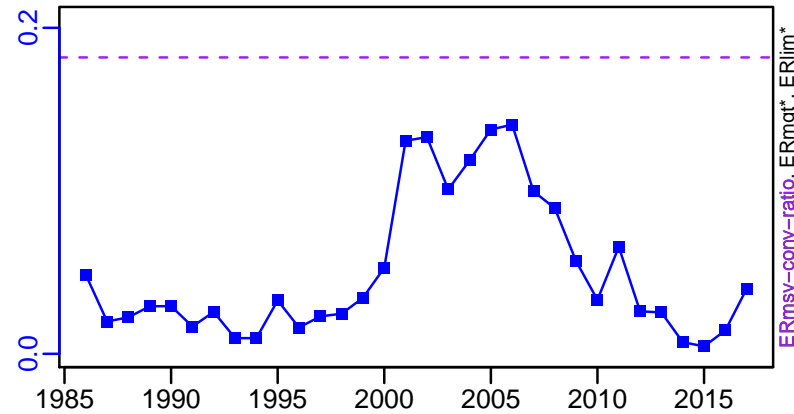
TN *



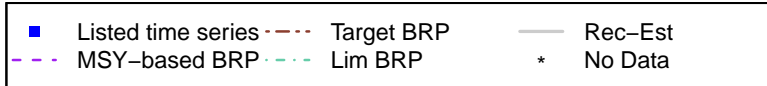
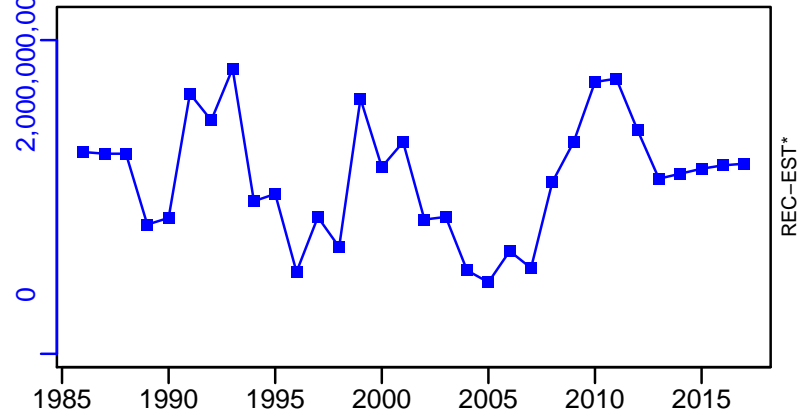
F-1/yr (1986–2017–MOESENEDER)



ER-ratio (1986–2017–MOESENEDER)



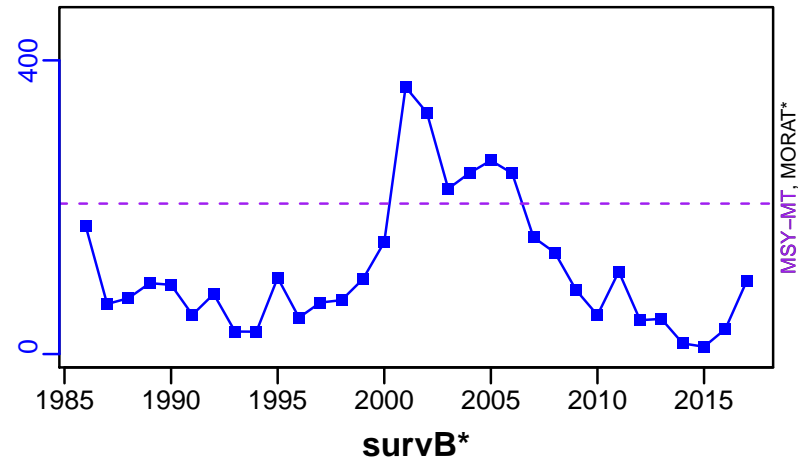
R-E00 (1986–2017–MOESENEDER)



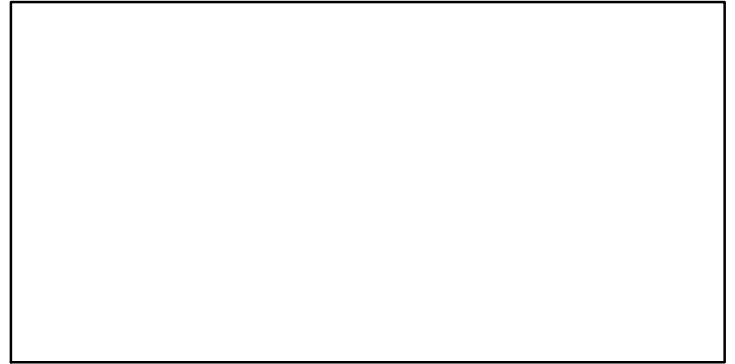
Jackass morwong Western half of Southeast Australia [MORWONGWSE]

TL-MT, TC*, RecC* (1986-2017-MOESENER)

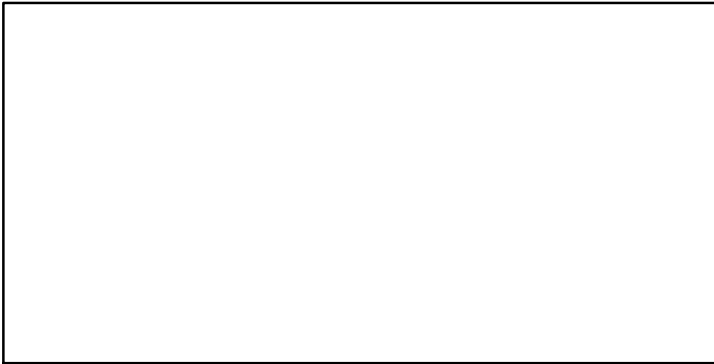
TAC*, Cpair*, Cadv*



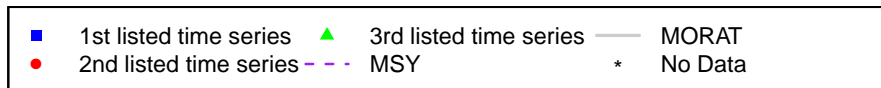
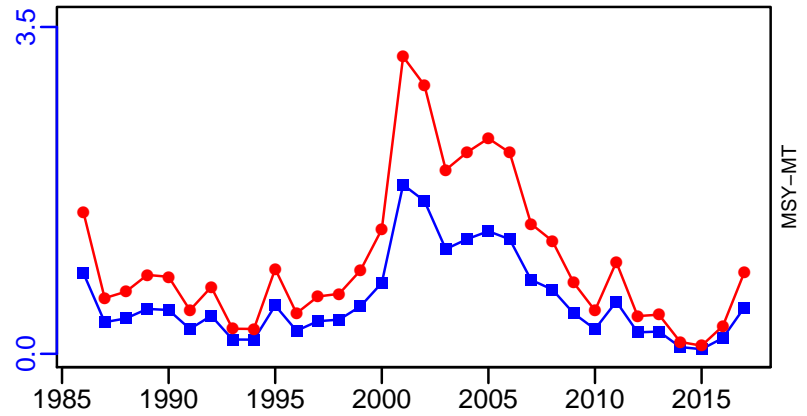
CPUE*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1986-2017-MOESENER)



Sea mullet Queensland and New South Wales [MULLQNSW]

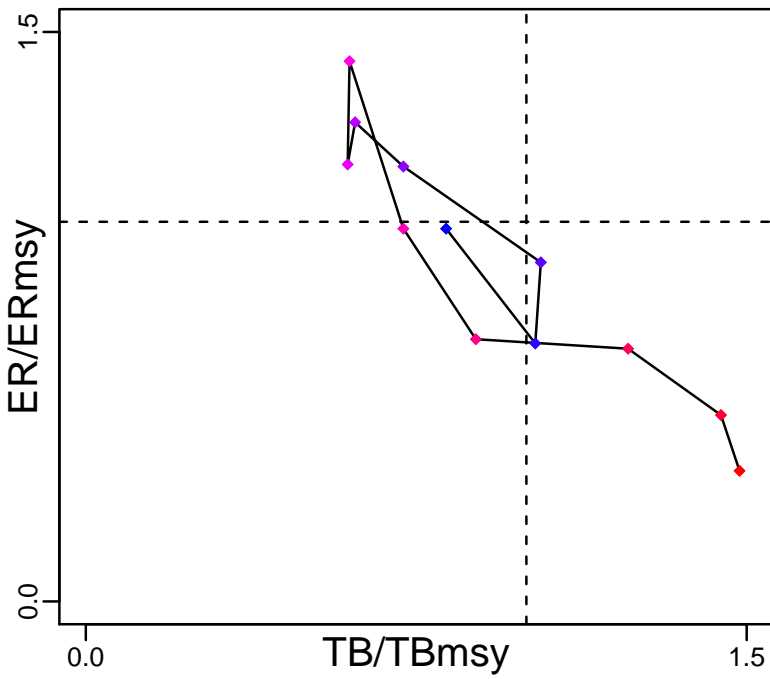
Metadata	
Scientific Name	Mugil cephalus
Current Assess ID	DPIF-MULLQNSW-1945-2003-BANOBI
Area	Queensland and New South Wales
Management Authority	Department of Primary Industries and Fisheries
Assessor	Department of Primary Industries and Fisheries
Asmts in RAM	2003

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2003	23,723
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2003	0.361
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2003	8553
M	M-1/yr	2003	0.33
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

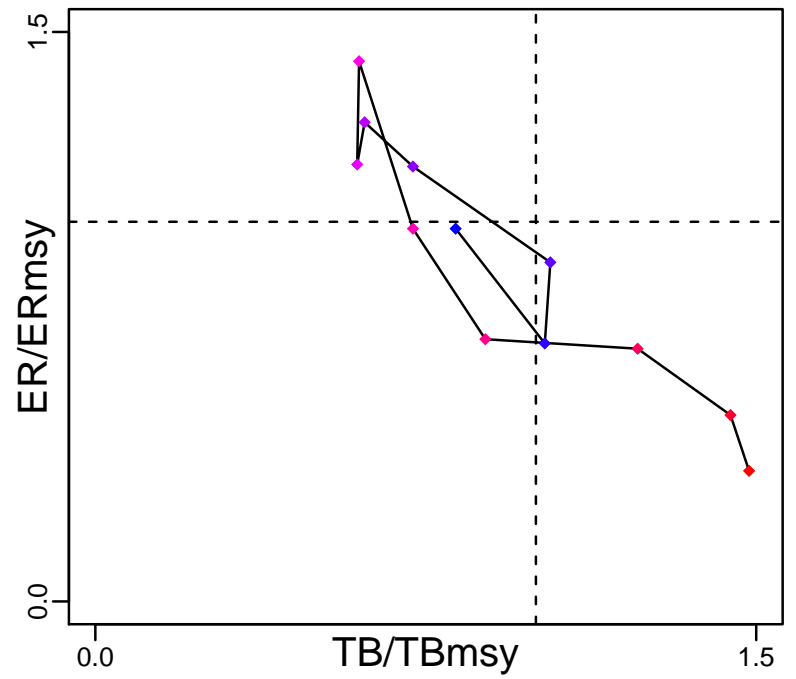
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2003	35,200	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-E00	2003	41,800,000	-	-
F	-	-	-	-	-
ER	ER-ratio	2003	0.124	-	-
TC	-	-	-		
TL	TL-MT	2003	4220		
TB/TBmsy	TB-MT/TBmsy-est-MT	2003	1.484		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-est-ratio	2003	0.344		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Sea mullet Queensland and New South Wales [MULLQNSW]

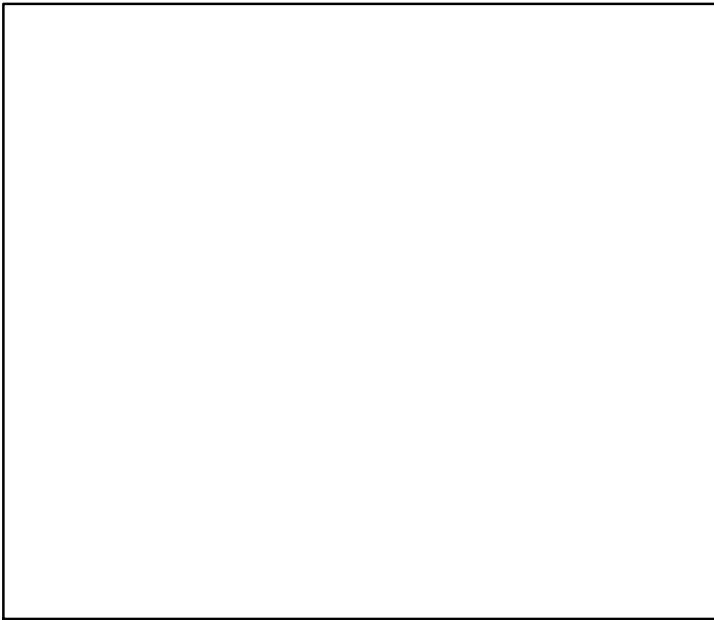
Kobe MSYpref (1945–2003–BANOB1)



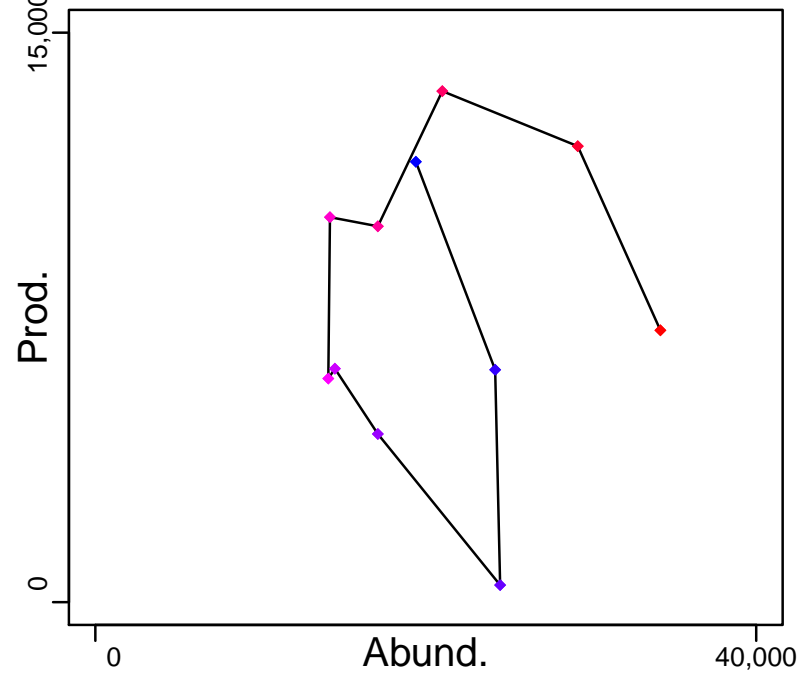
Kobe MGTpref (1945–2003–BANOB1)



Spawner Recruit*



Production (1945–2003–BANOB1)

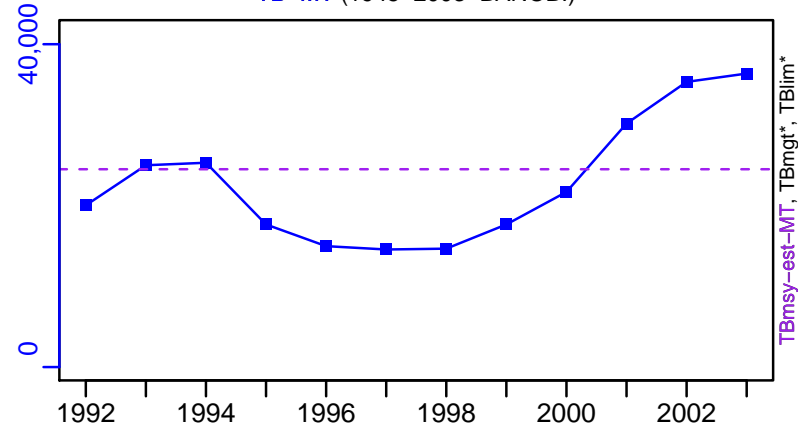


◆ Start Year ◆ End Year * No Data

Sea mullet Queensland and New South Wales [MULLQNSW]

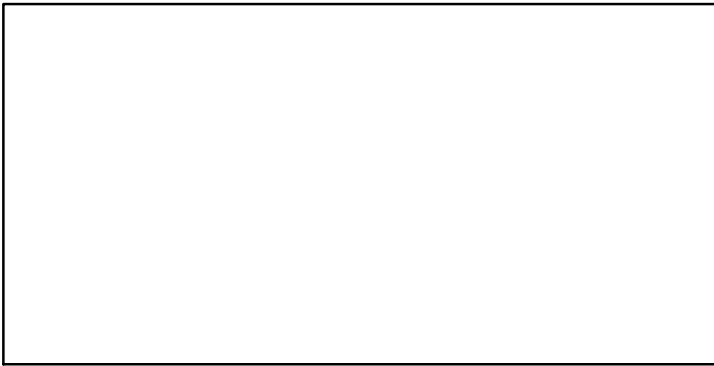
TB-MT (1945-2003-BANOBI)

SSB*



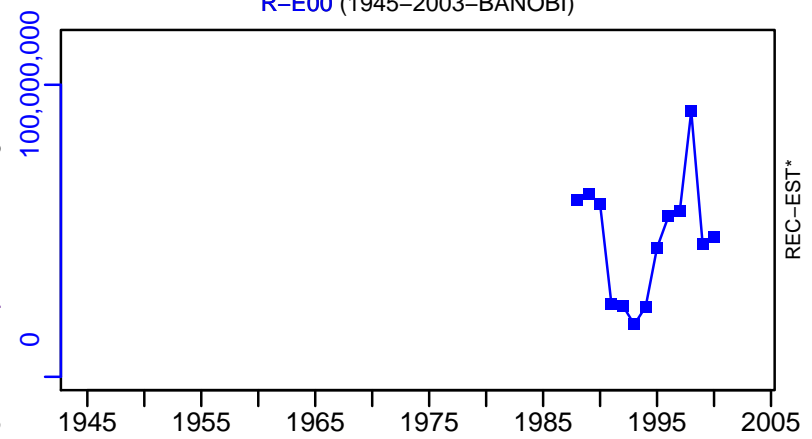
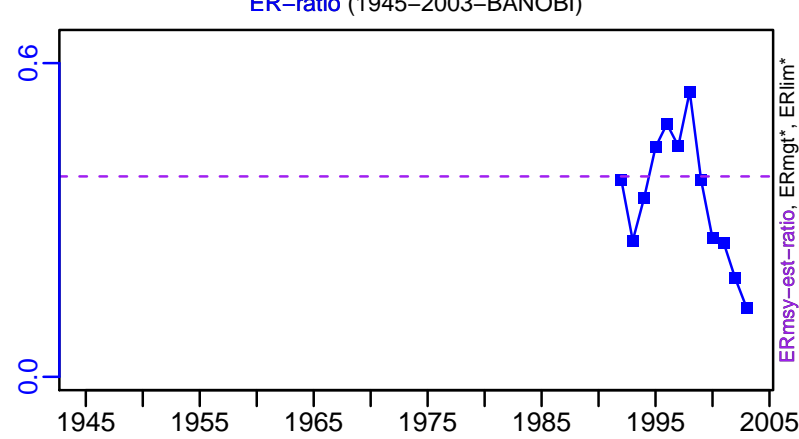
TN *

F*



ER-ratio (1945-2003-BANOBI)

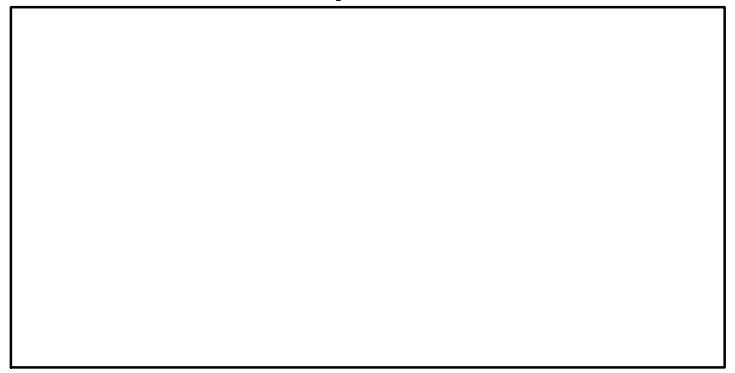
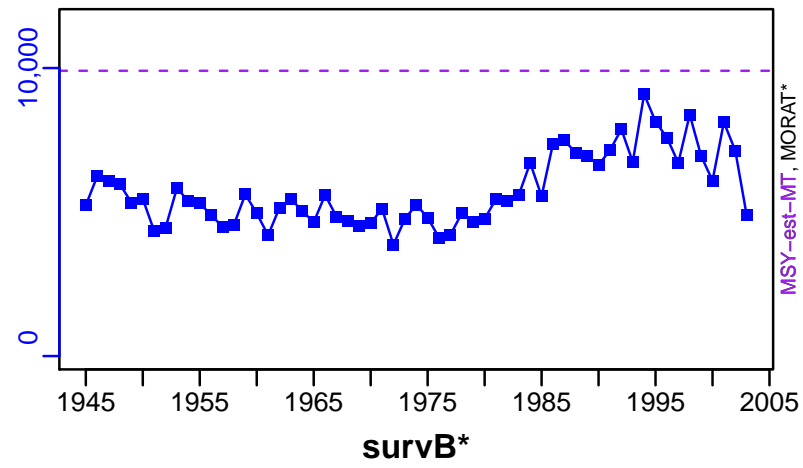
R-E00 (1945-2003-BANOBI)



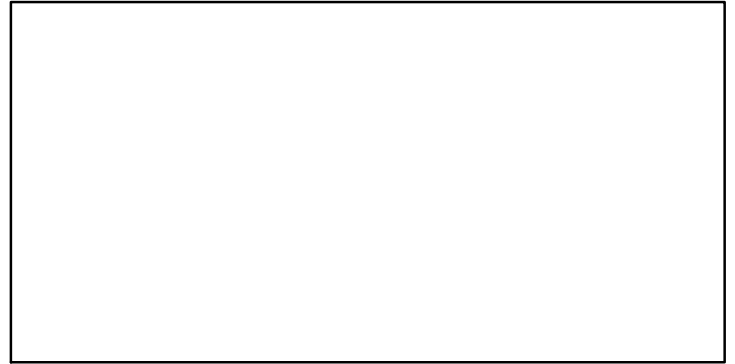
Sea mullet Queensland and New South Wales [MULLQNSW]

TL-MT, TC*, RecC* (1945-2003-BANOBI)

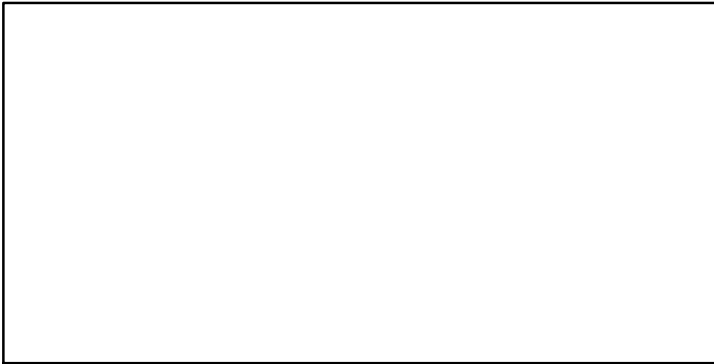
TAC*, Cpair*, Cadv*



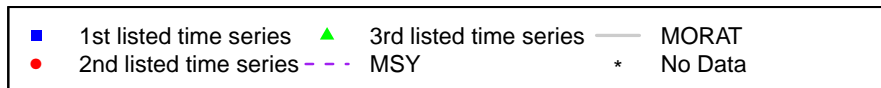
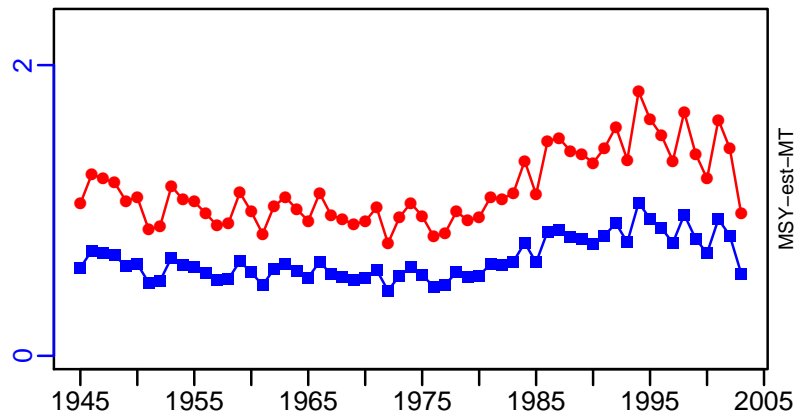
CPUE*



EFFORT*



TL-MT/MSY-est-MT, CdivMEANC-ratio, (1945-2003-BANOBI)



Ling Southeast Australia [NZLINGESE]

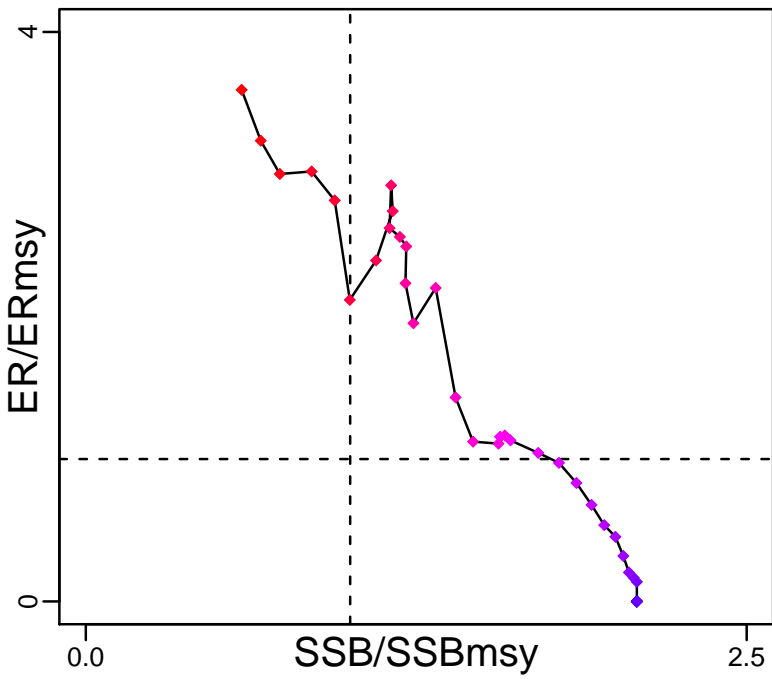
Metadata	
Scientific Name	Genypterus blacodes
Current Assess ID	CSIRO-NZLINGESE-1968-2007-FULTON
Area	Southeast Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2007

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2007	3324
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2007	0.048
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2007	365
M	M-1/yr	2007	0.2
TBlim	TBlim-MT	2007	1385
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

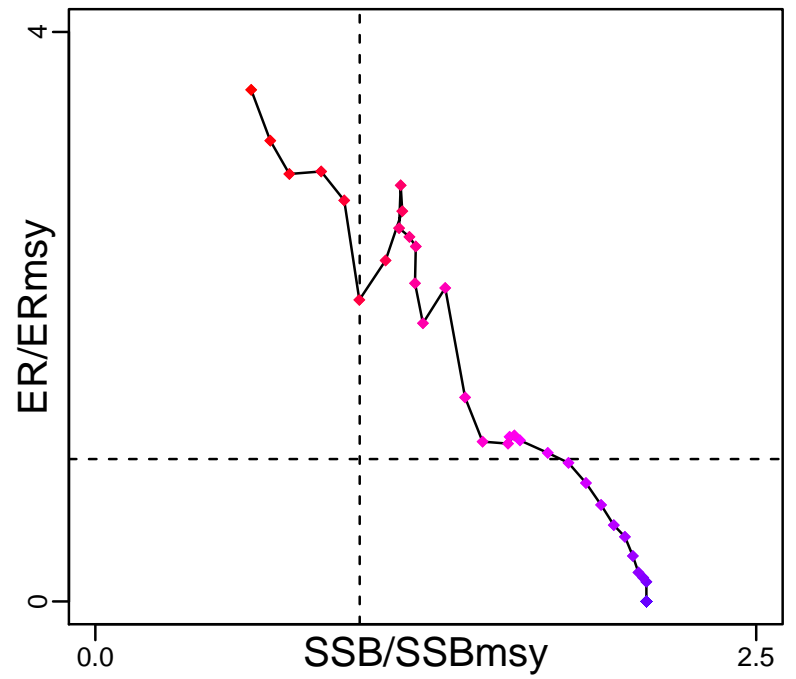
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2007	4260	-	0
SSB	SSB-MT	2007	1960	Females	-
TN	-	-	-	-	-
R	R-E00	2007	1,930,000	-	0
F	-	-	-	-	-
ER	ER-calc-ratio	2007	0.173	-	-
TC	-	-	-		
TL	TL-MT	2007	736		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2007	0.59		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2007	3.593		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Ling Southeast Australia [NZLINGESE]

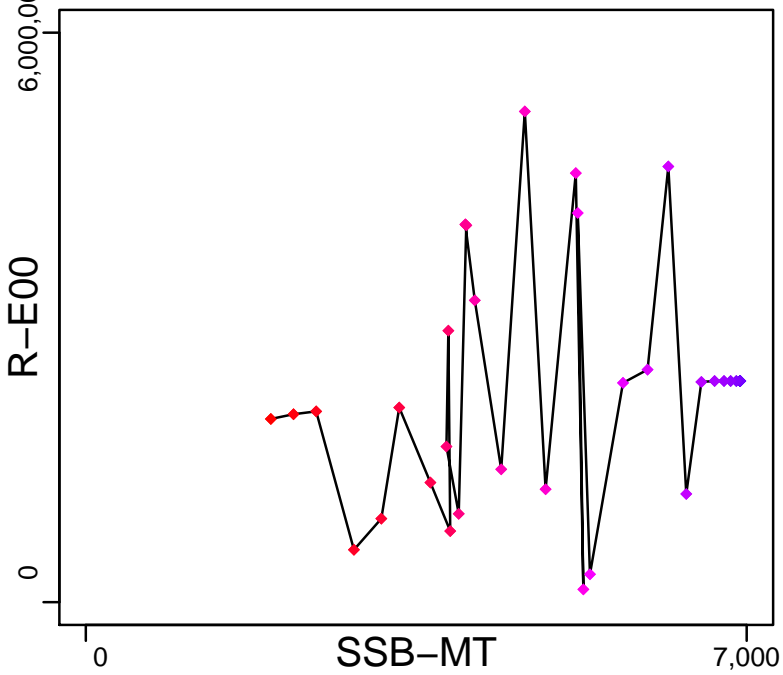
Kobe MSYpref (1968–2007–FULTON)



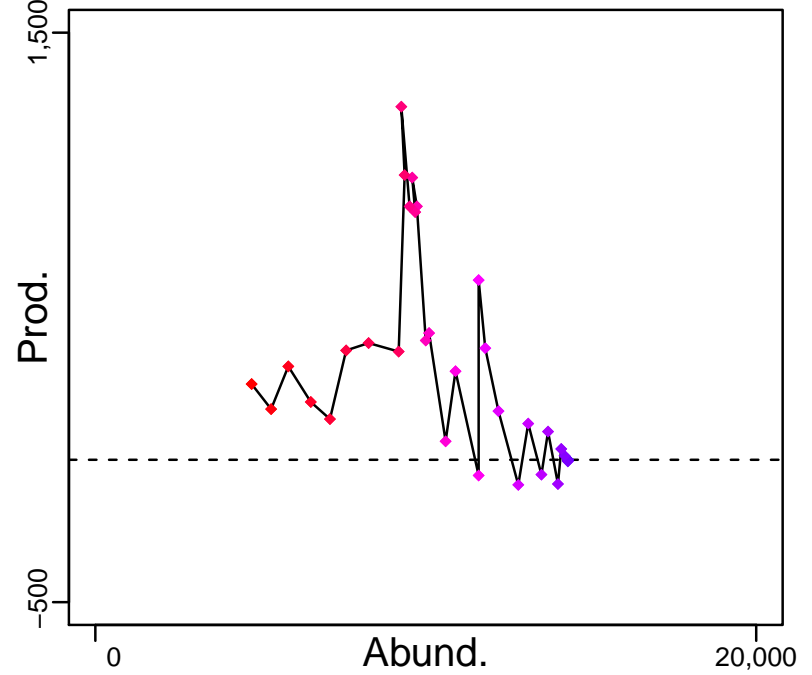
Kobe MGTpref (1968–2007–FULTON)



Spawner Recruit (1968–2007–FULTON)



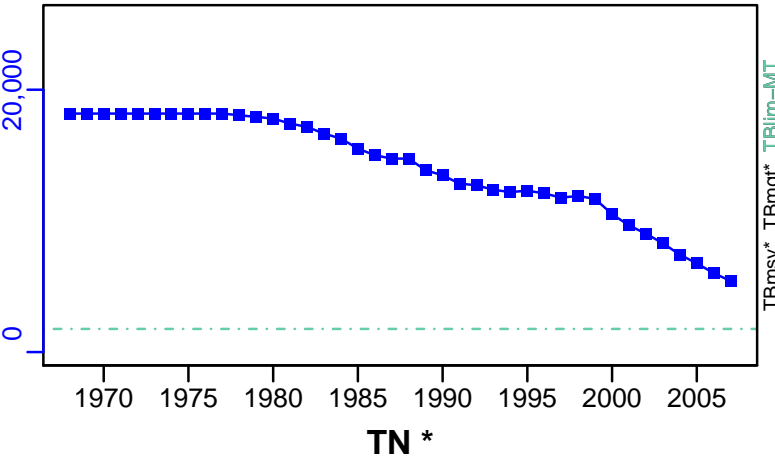
Production (1968–2007–FULTON)



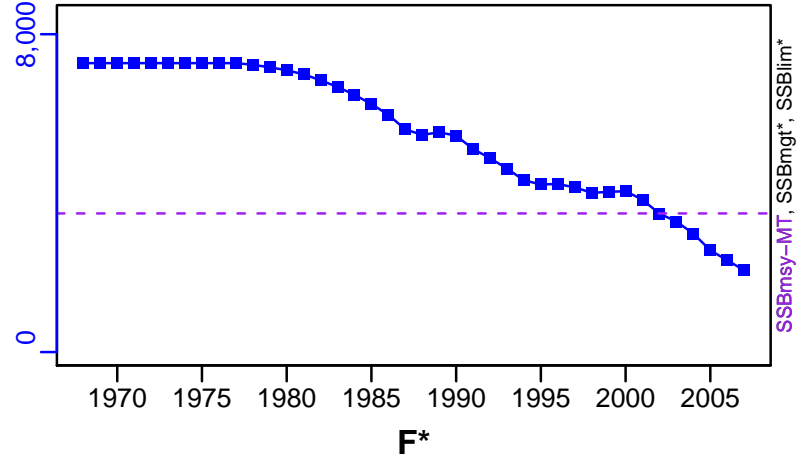
◆ Start Year ◆ End Year * No Data

Ling Southeast Australia [NZLINGESE]

TB-MT (1968-2007-FULTON)



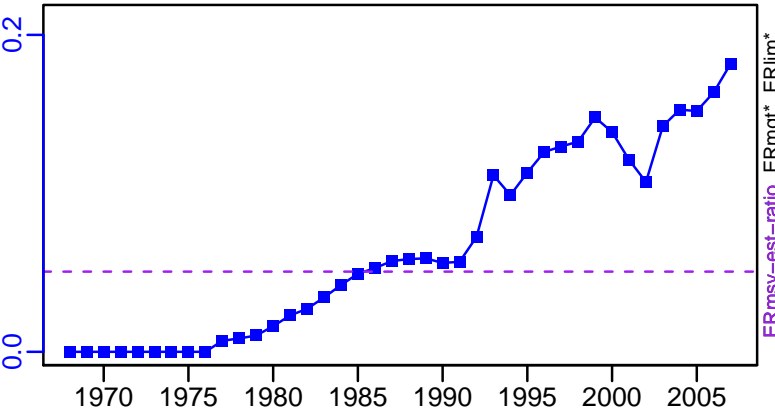
SSB-MT (1968-2007-FULTON)



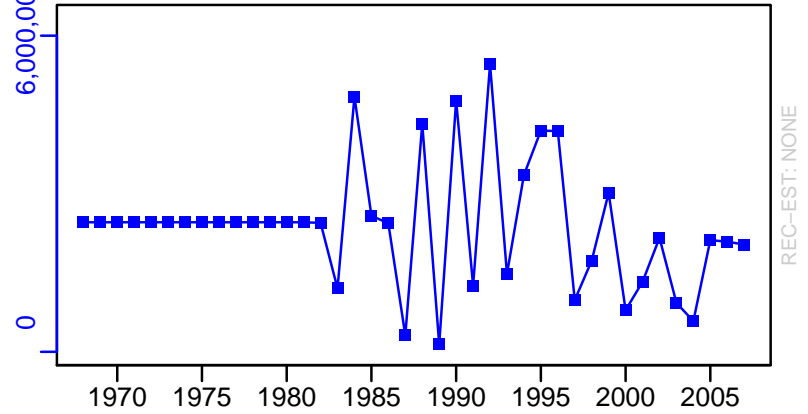
TN *

F*

ER-calc-ratio (1968-2007-FULTON)

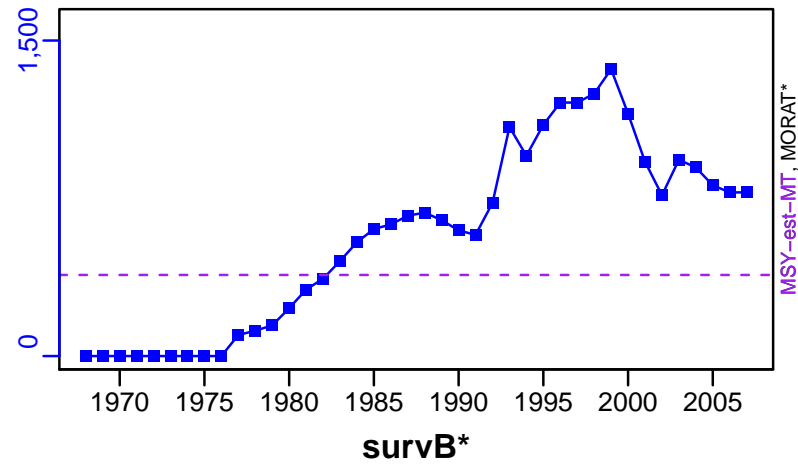


R-E00 (1968-2007-FULTON)



Ling Southeast Australia [NZLINGESE]

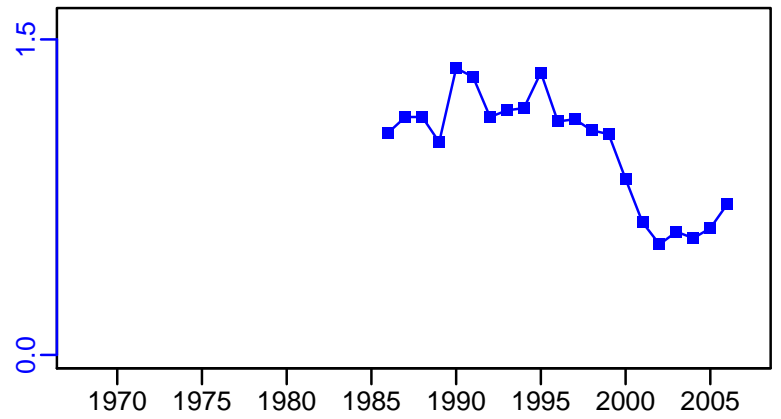
TL-MT, TC*, RecC* (1968-2007-FULTON)



TAC*, Cpair*, Cadv*



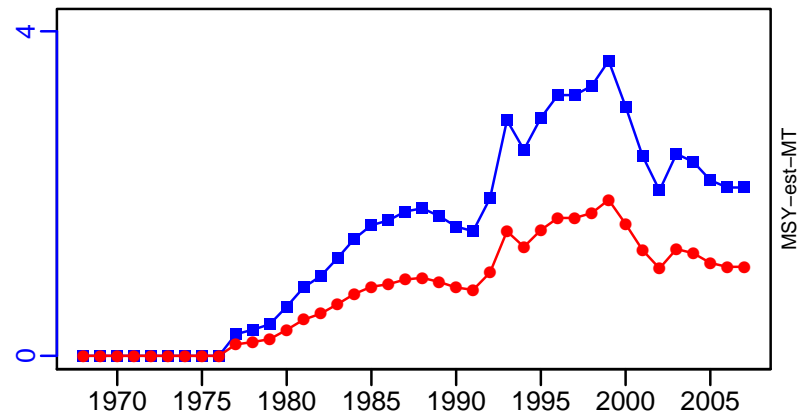
CPUEstand-C/E (1968-2007-FULTON)



EFFORT*



TL-MT/MSY-est-MT, CdivMEANC-ratio, (1968-2007-FULTON)



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

Ling Western half of Southeast Australia [NZLINGWSE]

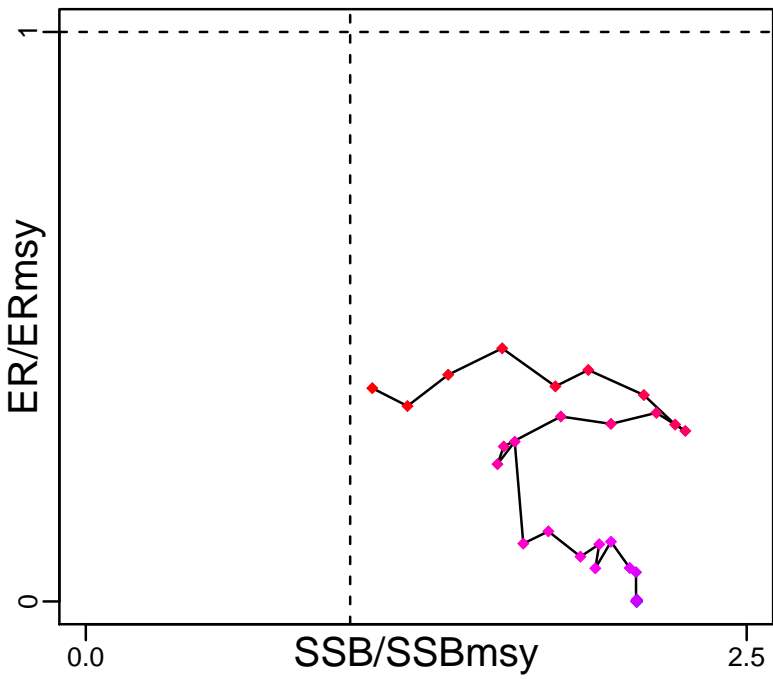
Metadata	
Scientific Name	Genypterus blacodes
Current Assess ID	CSIRO-NZLINGWSE-1968-2007-FULTON
Area	Western half of Southeast Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2007

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2007	3378
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2007	0.16
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-conv-MT	2007	1235
M	M-1/yr	2007	0.2
TBlim	TBlim-MT	2007	1407
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

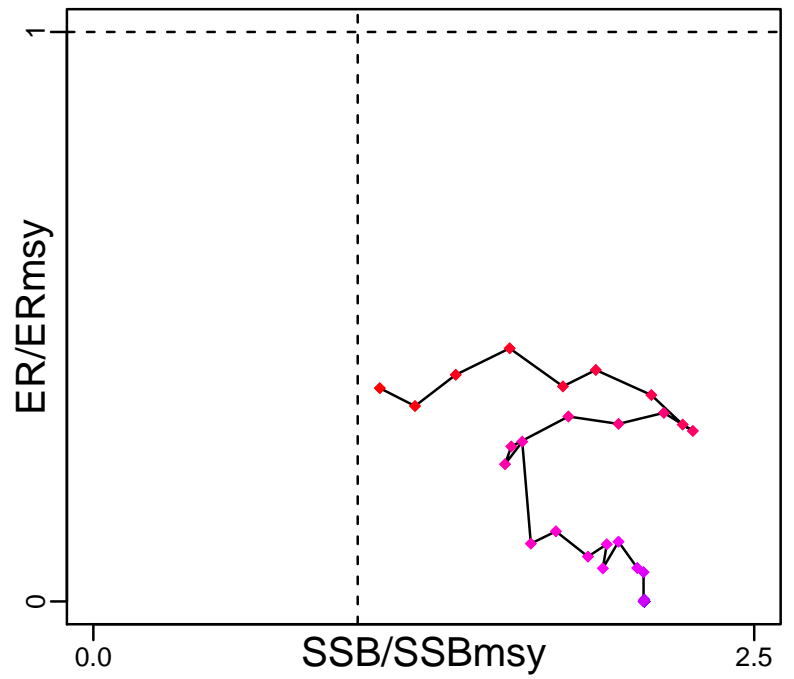
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2007	7760	-	0
SSB	SSB-MT	2007	3660	Females	-
TN	-	-	-	-	-
R	R-E00	2007	2,290,000	-	0
F	-	-	-	-	-
ER	ER-calc-ratio	2007	0.06	-	-
TC	-	-	-		
TL	TL-MT	2007	465		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2007	1.084		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-ratio	2007	0.375		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Ling Western half of Southeast Australia [NZLINGWSE]

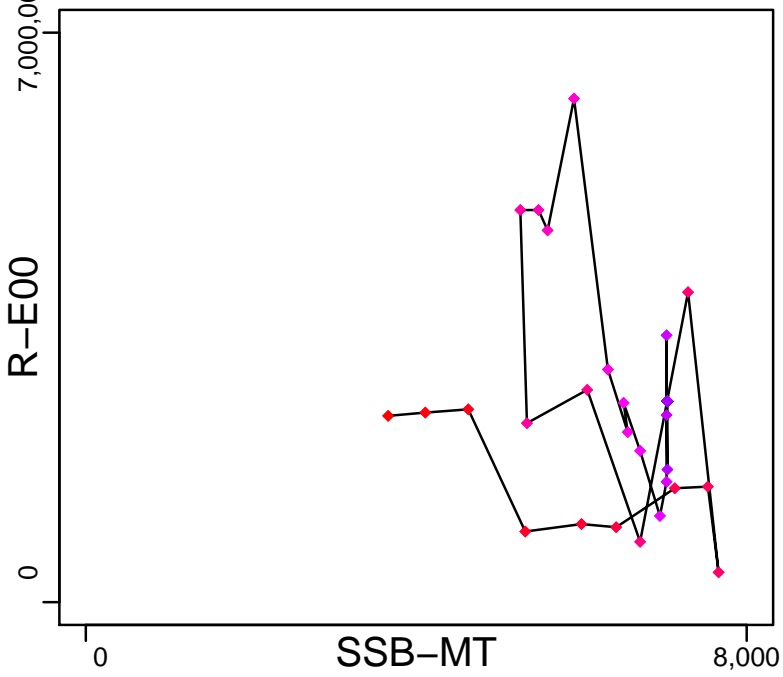
Kobe MSYpref (1968–2007–FULTON)



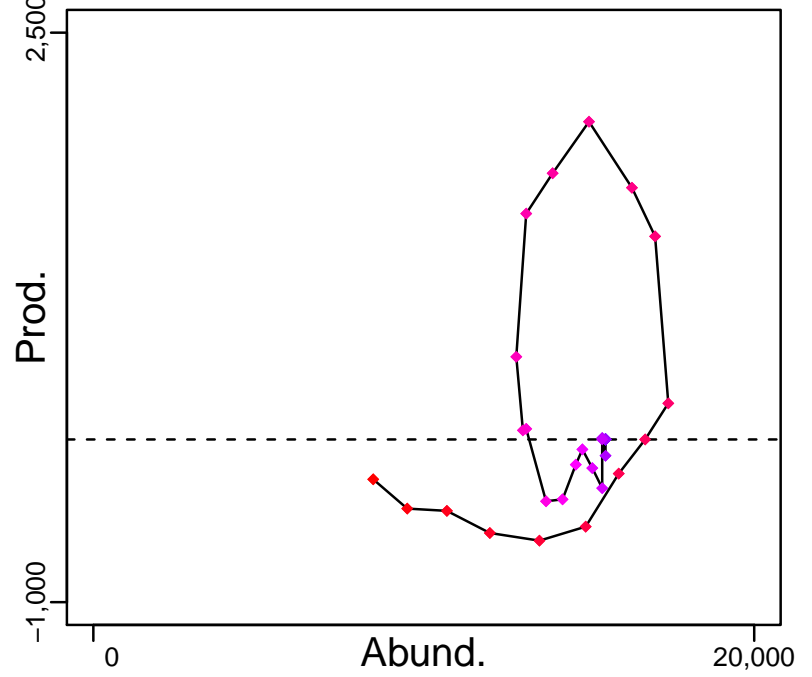
Kobe MGTpref (1968–2007–FULTON)



Spawner Recruit (1968–2007–FULTON)



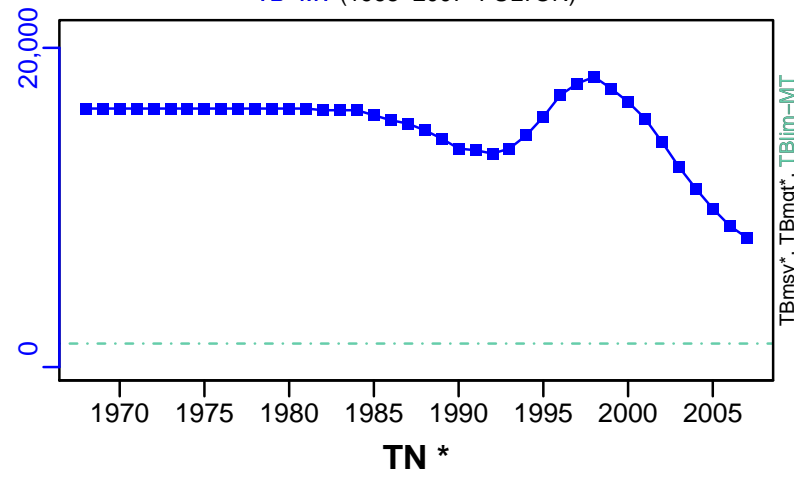
Production (1968–2007–FULTON)



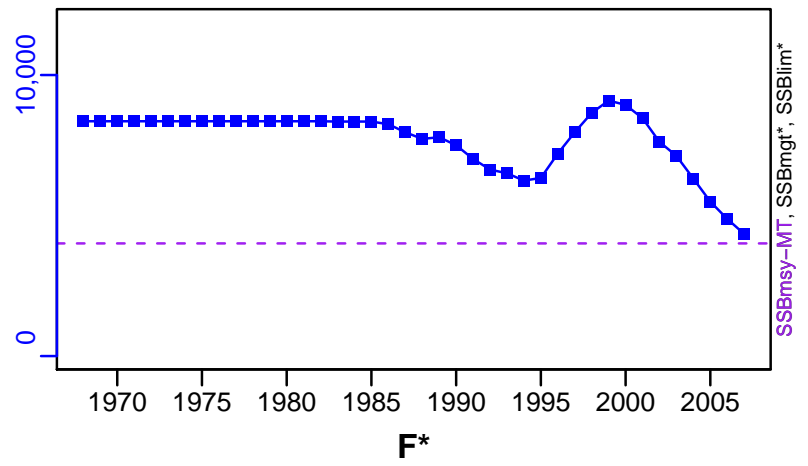
◆ Start Year ◆ End Year * No Data

Ling Western half of Southeast Australia [NZLINGWSE]

TB-MT (1968-2007-FULTON)



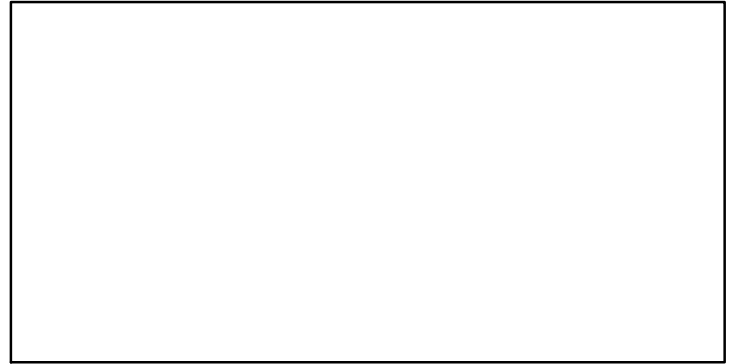
SSB-MT (1968-2007-FULTON)



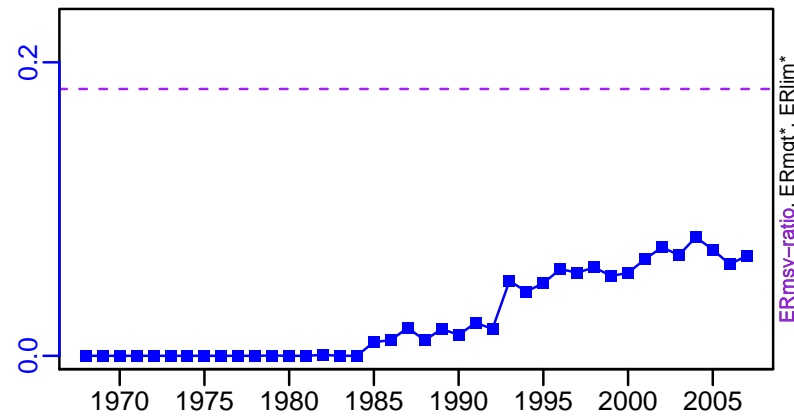
TN *



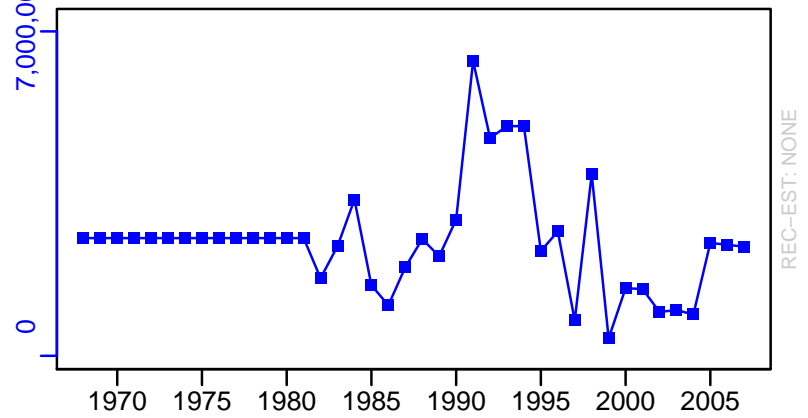
F*



ER-calc-ratio (1968-2007-FULTON)

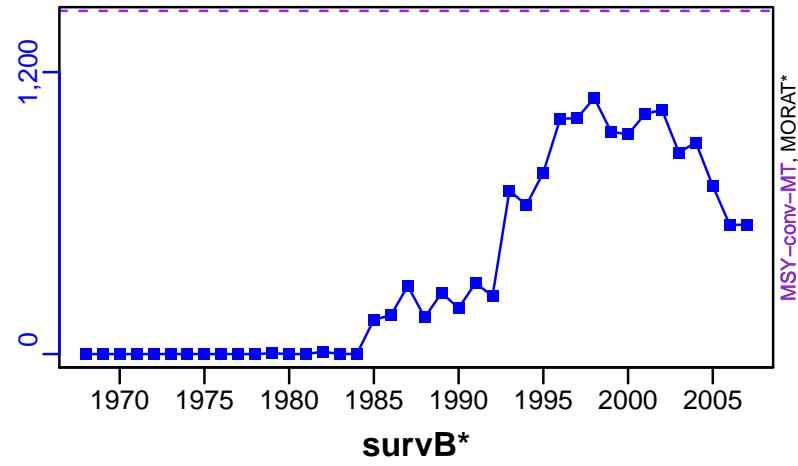


R-E00 (1968-2007-FULTON)



Ling Western half of Southeast Australia [NZLINGWSE]

TL-MT, TC*, RecC* (1968-2007-FULTON)



TAC*, Cpair*, Cadv*



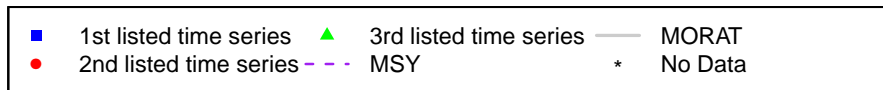
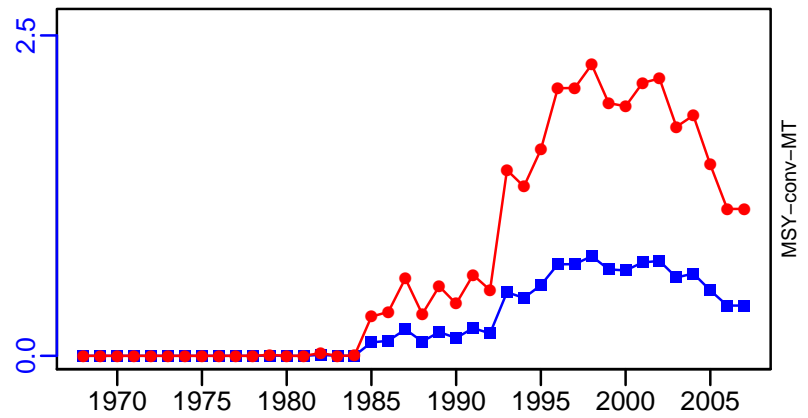
CPUE*



EFFORT*



TL-MT/MSY-conv-MT, CdivMEANC-ratio, (1968-2007-FULTON)



Orange roughy Cascade Plateau [OROUGHYCASCADE]

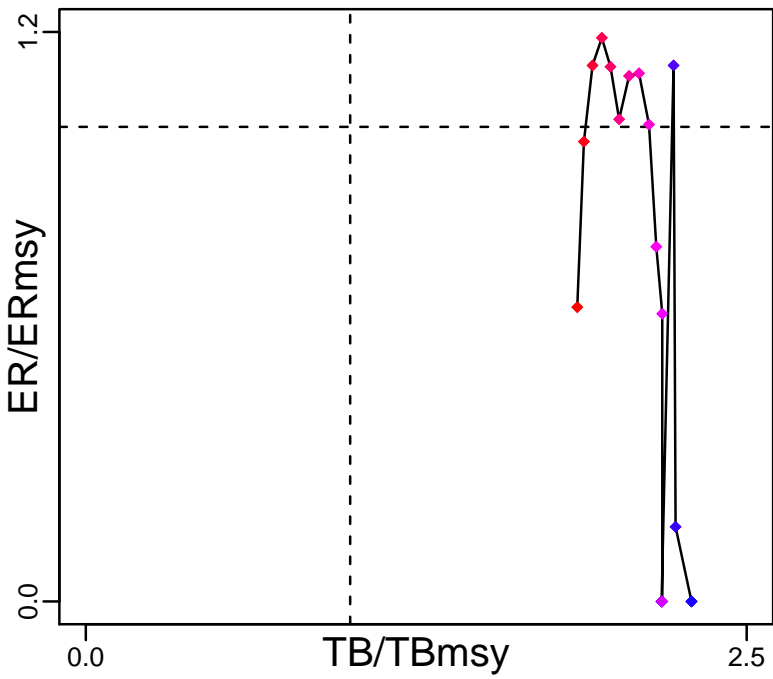
Metadata	
Scientific Name	Hoplostethus atlanticus
Current Assess ID	CSIRO-OROUGHYCASCADE-1987-2006-FULTON
Area	Cascade Plateau
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2006

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2006	39,804
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2006	0.036
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2006	1438
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2006	5716
Flim	-	-	-
ERlim	-	-	-

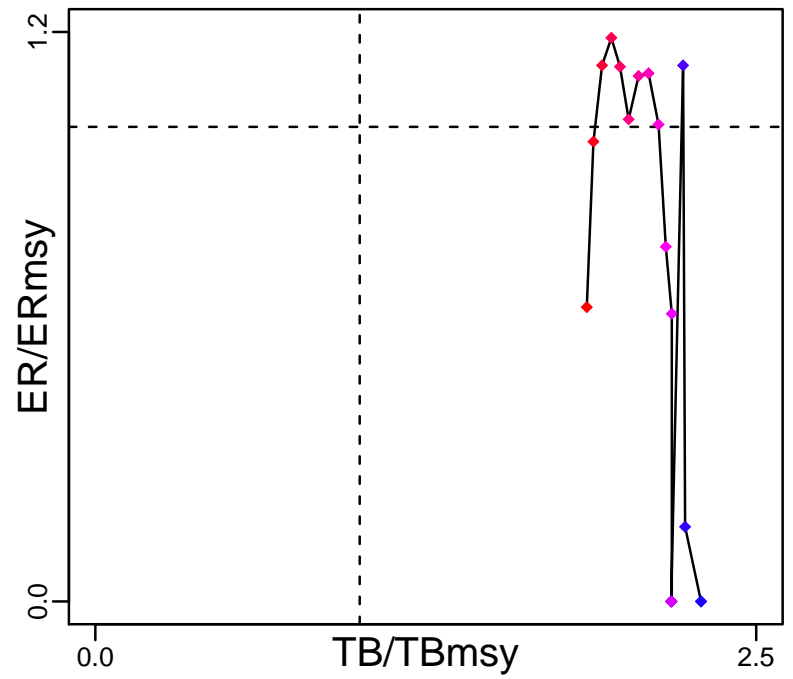
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2006	74,000	Both	0
SSB	SSB-MT	2006	21,200	Females	-
TN	-	-	-	-	-
R	R-E00	2006	1,030,000	-	-
F	-	-	-	-	-
ER	ER-ratio	2006	0.022	-	-
TC	-	-	-	-	-
TL	TL-MT	2006	800	-	-
TB/TBmsy	TB-MT/TBmsy-est-MT	2006	1.859	-	-
SSB/SSBmsy	-	-	-	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	ER-ratio/ERmsy-est-ratio	2006	0.62	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	-	-	-	-	-
ER/ERmgt	-	-	-	-	-

Orange roughy Cascade Plateau [OROUGHYCASCADE]

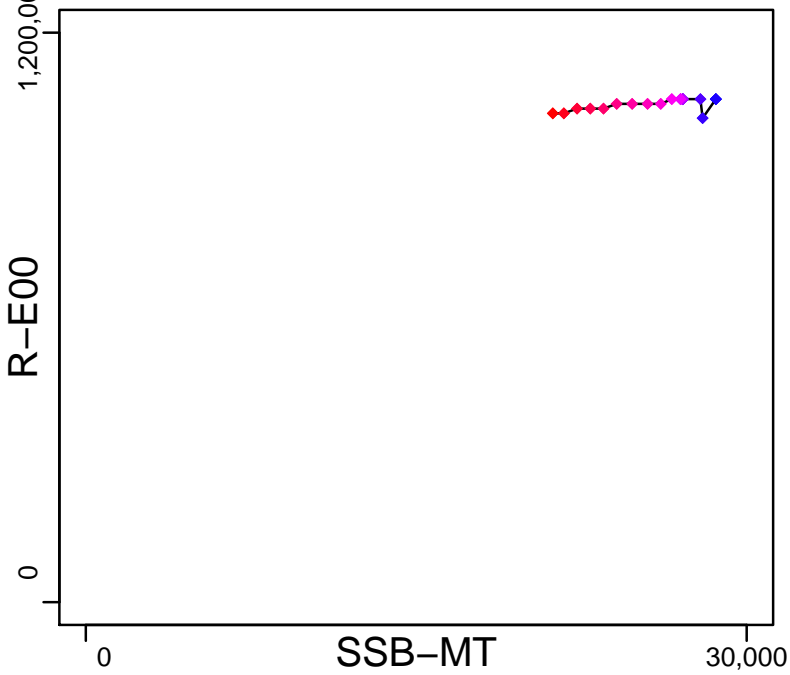
Kobe MSYpref (1987–2006–FULTON)



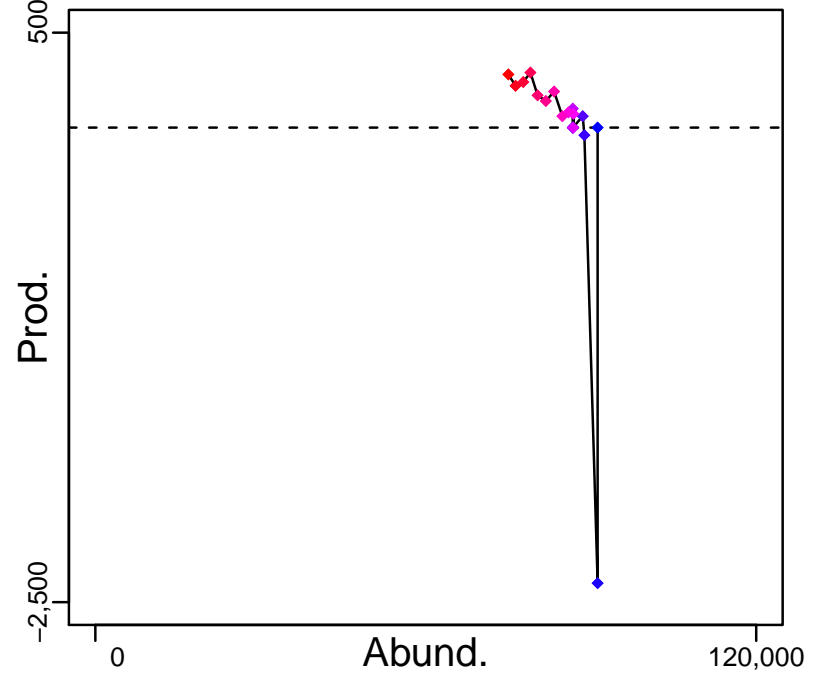
Kobe MGTpref (1987–2006–FULTON)



Spawner Recruit (1987–2006–FULTON)



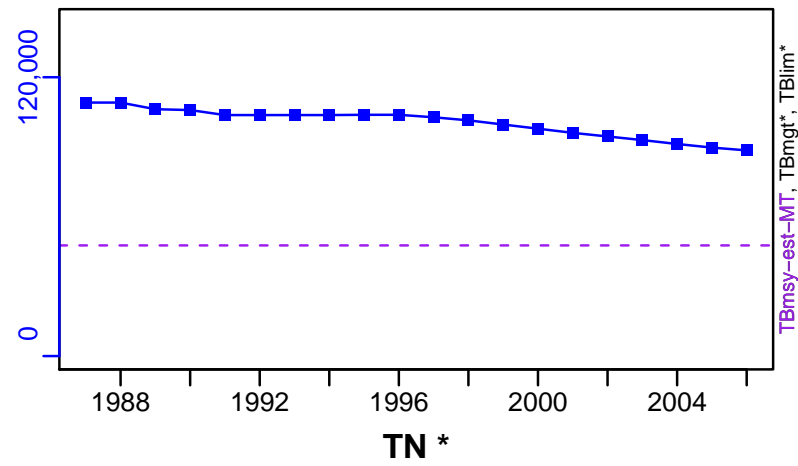
Production (1987–2006–FULTON)



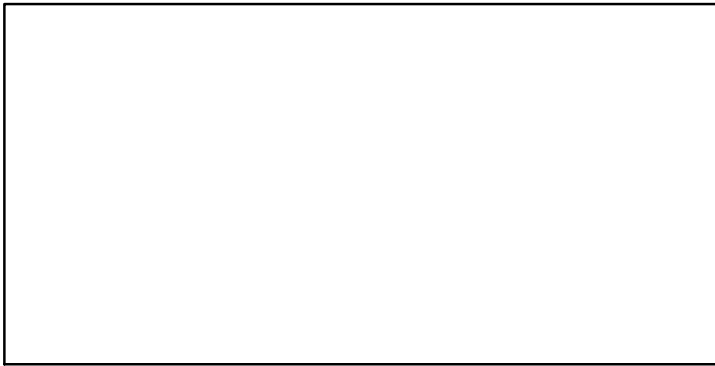
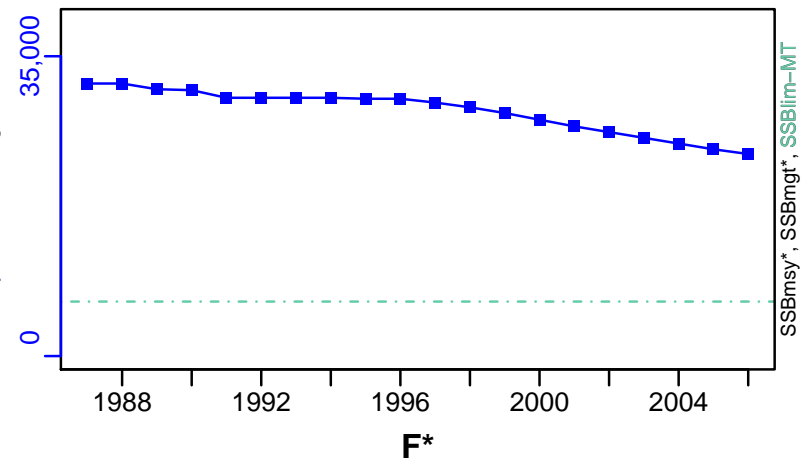
◆ Start Year ◆ End Year * No Data

Orange roughy Cascade Plateau [OROUGHYCASCADE]

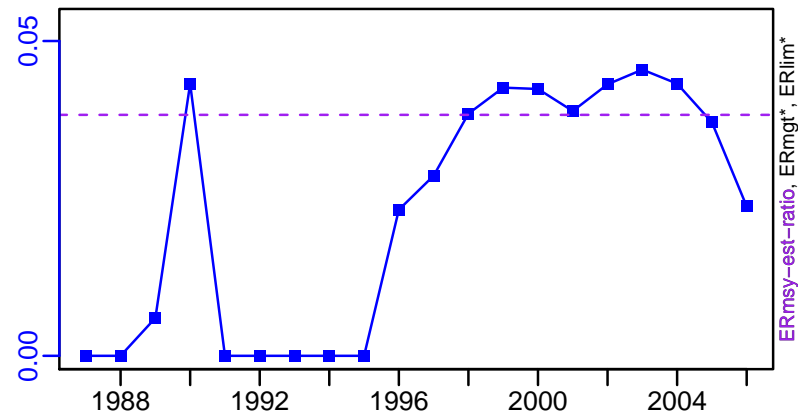
TB-MT (1987-2006-FULTON)



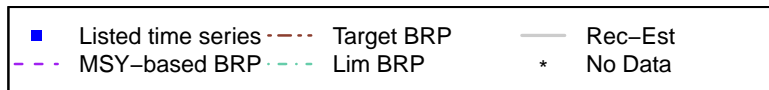
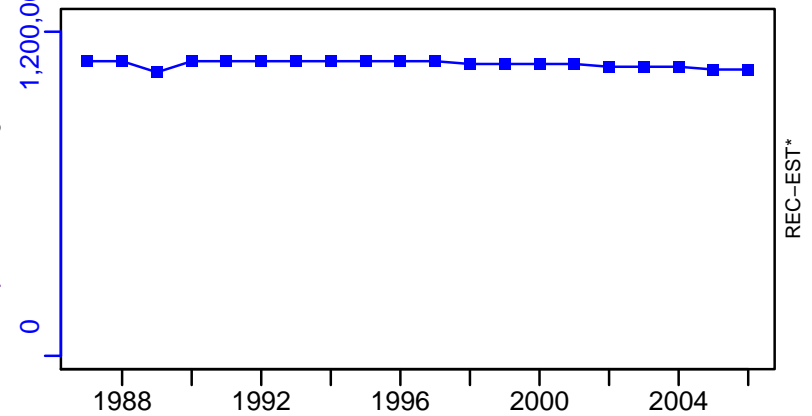
SSB-MT (1987-2006-FULTON)



ER-ratio (1987-2006-FULTON)



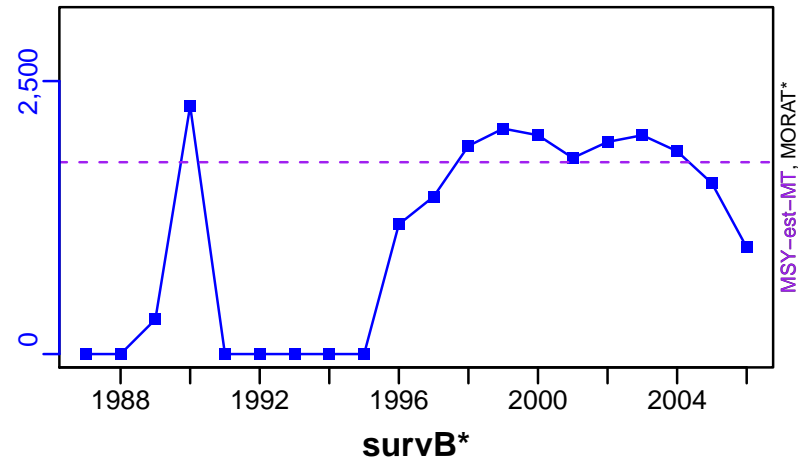
R-E00 (1987-2006-FULTON)



Orange roughy Cascade Plateau [OROUGHYCASCADE]

TL-MT, TC*, RecC* (1987-2006-FULTON)

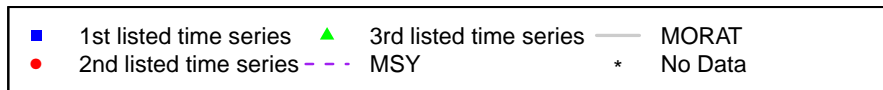
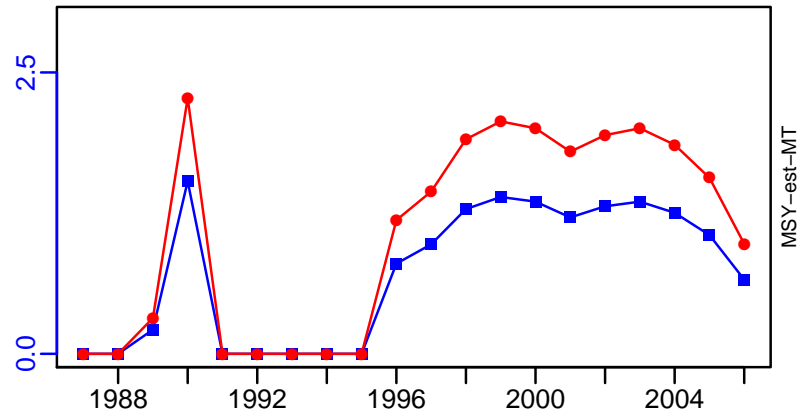
TAC*, Cpair*, Cadv*



EFFORT*



TL-MT/MSY-est-MT, CdivMEANC-ratio, (1987-2006-FULTON)



Orange roughy Southeast Australia [OROUGHYSE]

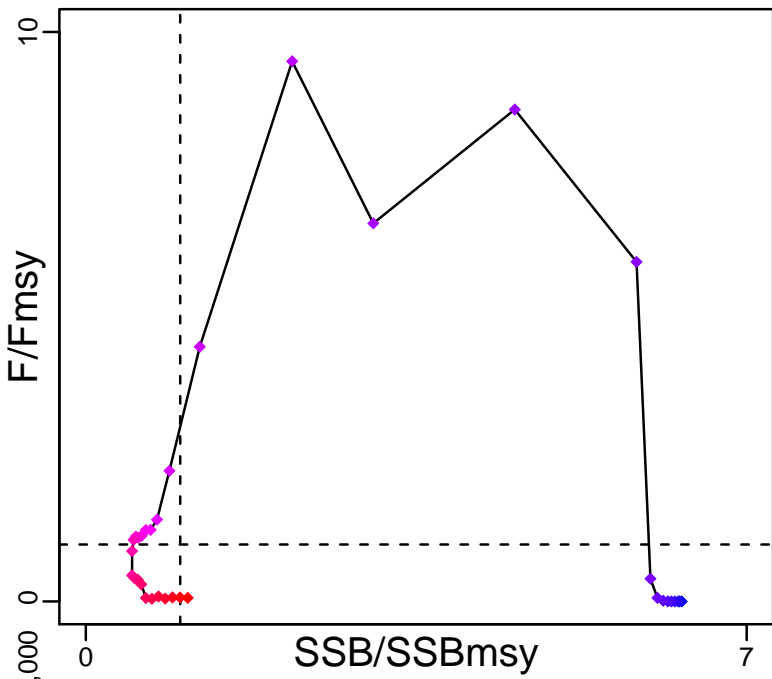
Metadata	
Scientific Name	Hoplostethus atlanticus
Current Assess ID	CSIRO-OROUGHYSE-1980-2013-MOESENER
Area	Southeast Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2007, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2013	8143
Fmsy	Fmsy-1/yr	2013	0.03
ERmsy	ERmsy-conv-ratio	2013	0.045
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2013	18,687
Fmgt	Fmgt-1/yr	2013	0.015
ERmgt	-	-	-
TB0	TB0-MT	2013	169,697
SSB0	SSB0-MT	2013	38,931
MSY	MSY-MT	2013	2192
M	M-1/yr	2013	0.04
TBlim	-	-	-
SSBlim	SSBlim-MT	2013	7786
Flim	-	-	-
ERlim	-	-	-

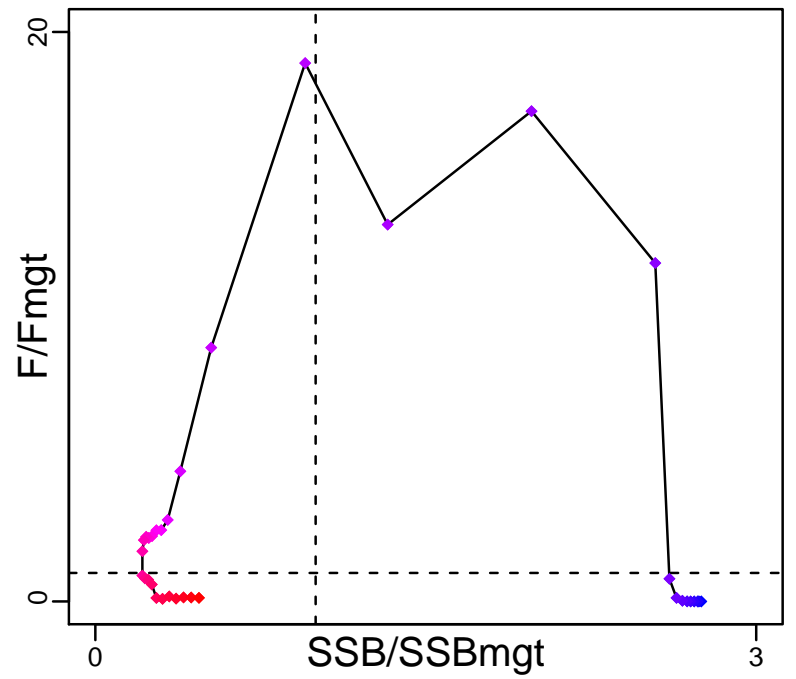
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2013	80,500	-	-
SSB	SSB-MT	2013	8790	-	-
TN	-	-	-	-	-
R	R-E00	2013	6.63×10^{12}	-	-
F	F-1/yr	2013	0.002	-	-
ER	ER-ratio	2013	0.002	-	-
TC	-	-	-		
TL	TL-MT	2013	150		
TB/TBmsy	TB-MT/(TB0-MT*0.368)	2013	1.289		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2013	1.079		
F/Fmsy	F-1/yr/Fmsy-1/yr	2013	0.063		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2013	0.041		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2013	0.47		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	0.126		
ER/ERmgt	-	-	-		

Orange roughy Southeast Australia [OROUGHYSE]

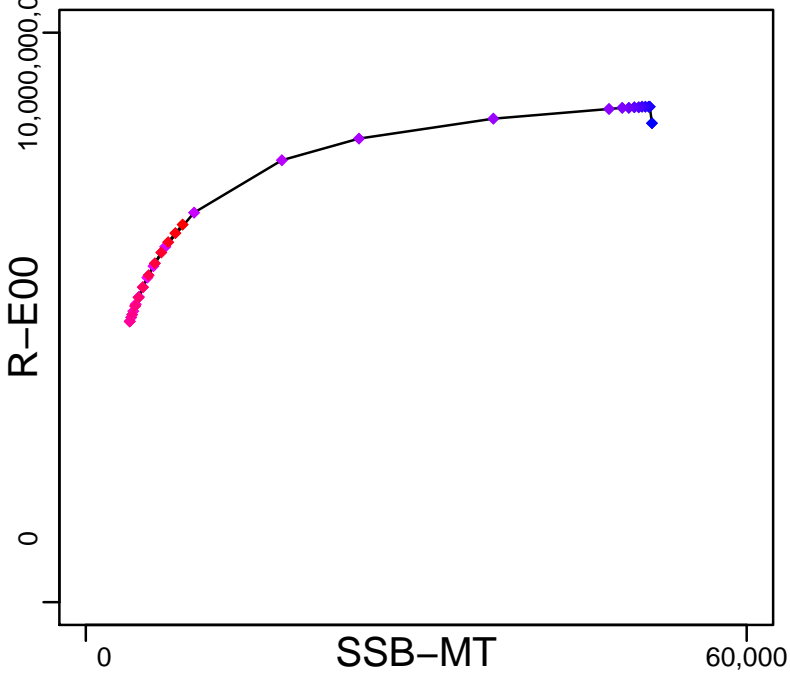
Kobe MSYpref (1980–2013–MOESENEDER)



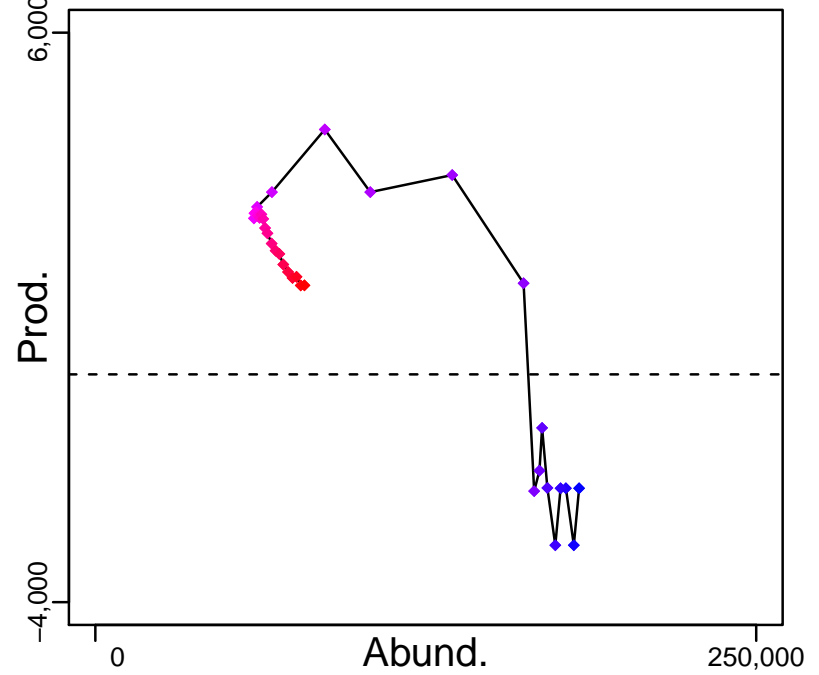
Kobe MGTpref (1980–2013–MOESENEDER)



Spawner Recruit (1980–2013–MOESENEDER)



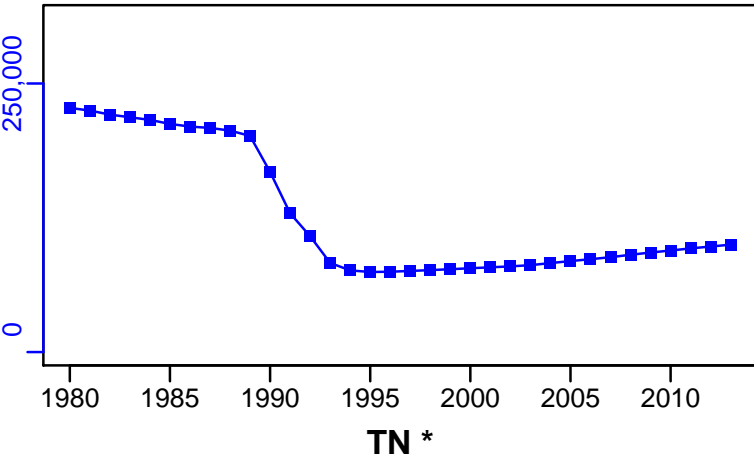
Production (1980–2013–MOESENEDER)



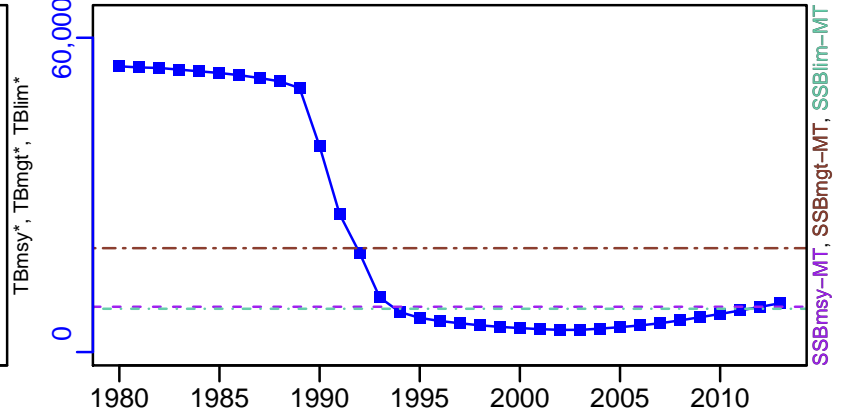
◆ Start Year ◆ End Year * No Data

Orange roughy Southeast Australia [OROUGHYSE]

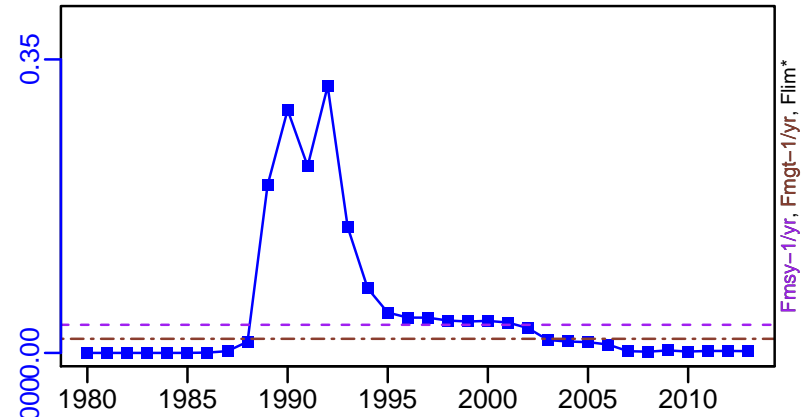
TB-MT (1980-2013-MOESENER)



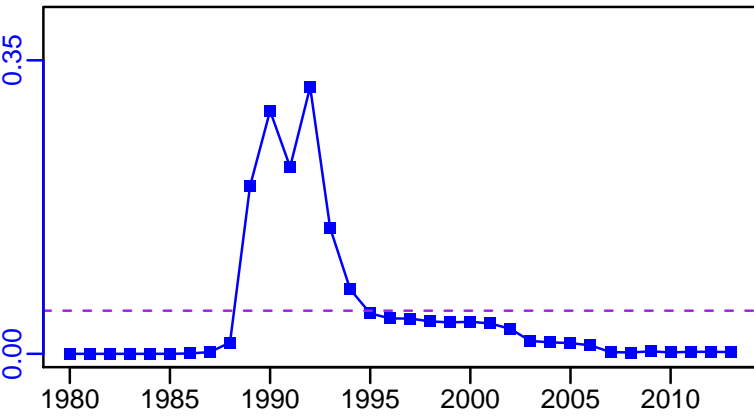
SSB-MT (1980-2013-MOESENER)



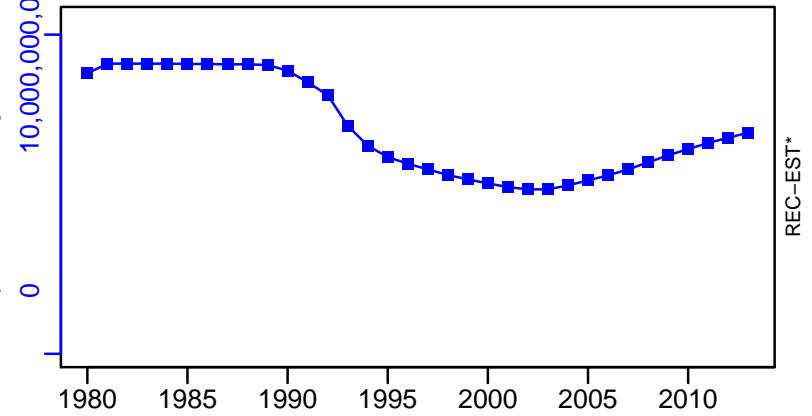
F-1/yr (1980-2013-MOESENER)



ER-ratio (1980-2013-MOESENER)



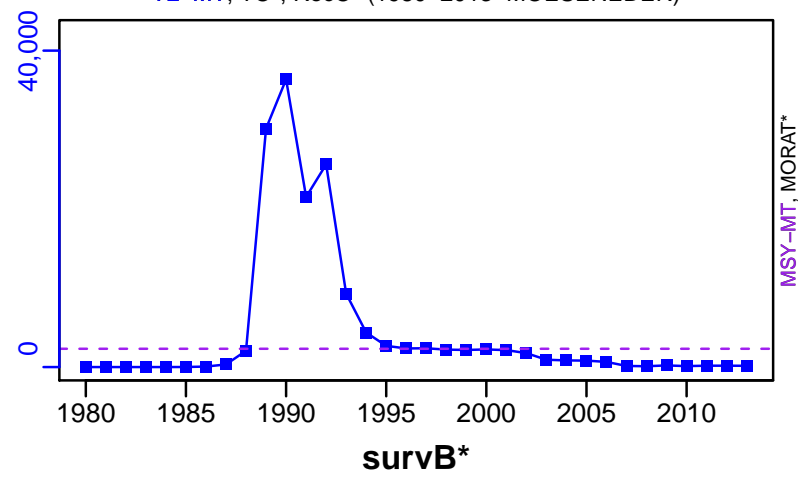
R-E00 (1980-2013-MOESENER)



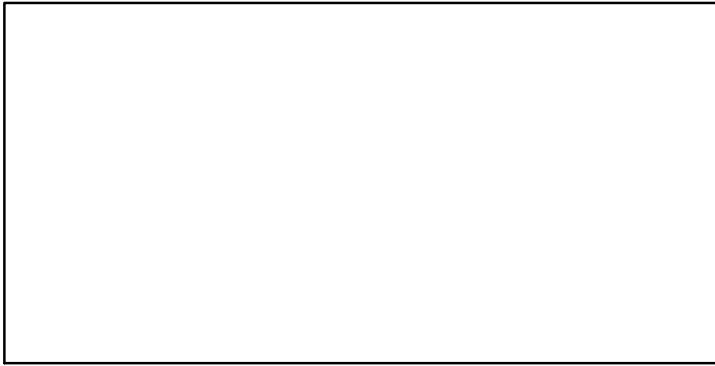
Orange roughy Southeast Australia [OROUGHYSE]

TL-MT, TC*, RecC* (1980-2013-MOESENER)

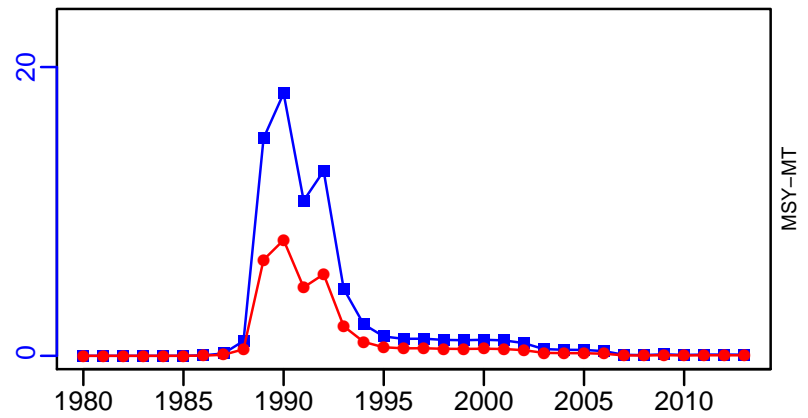
TAC*, Cpair*, Cadv*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1980-2013-MOESENER)



Patagonian toothfish Macquarie Island [PTOOTHFISHMI]

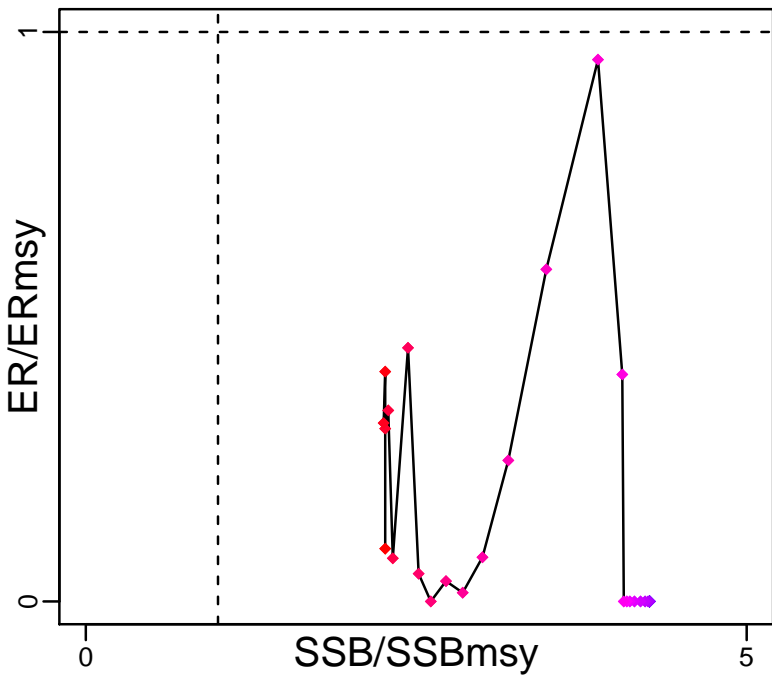
Metadata	
Scientific Name	Dissostichus eleginoides
Current Assess ID	CSIRO-PTOOTHFISHMI-1975-2010-FAY
Area	Macquarie Island
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2010	1512
SSBmsy	SSBmsy-MT	2010	870
Fmsy	Fmsy-1/yr	2010	0.058
ERmsy	ERmsy-ratio	2010	0.122
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2010	184
M	M-1/yr	2010	0.13
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

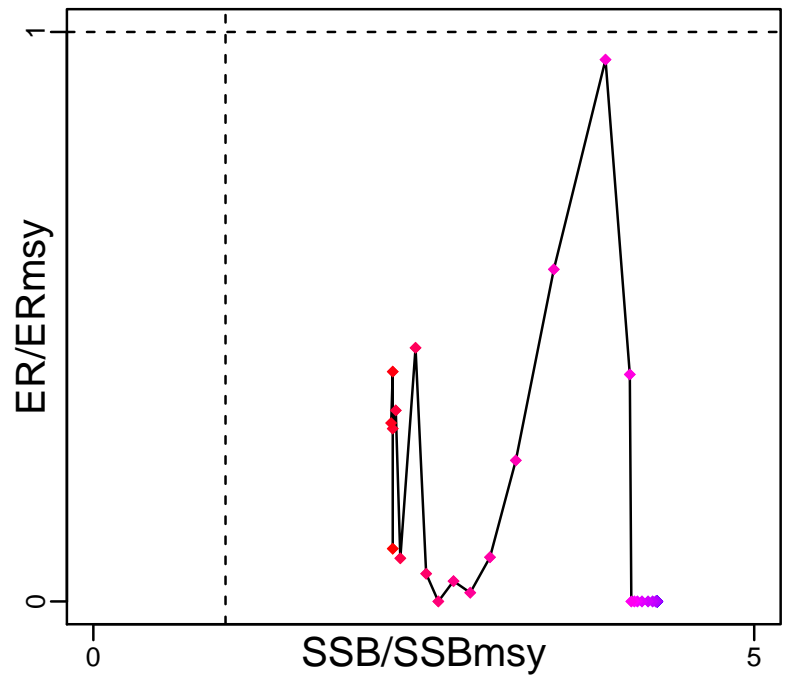
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2010	6170	-	1+
SSB	SSB-MT	2010	2000	Females	14
TN	-	-	-	-	-
R	R-E00	2010	430,000	-	0
F	F-1/yr	2010	0.011	Both	-
ER	ER-ratio	2010	0.011	-	-
TC	TC-MT	2010	69		
TL	TL-MT	2010	69		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2010	4.08		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2010	2.3		
F/Fmsy	F-1/yr/Fmsy-1/yr	2010	0.194		
ER/ERmsy	ER-ratio/ERmsy-ratio	2010	0.093		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Patagonian toothfish Macquarie Island [PTOOTHFISHMI]

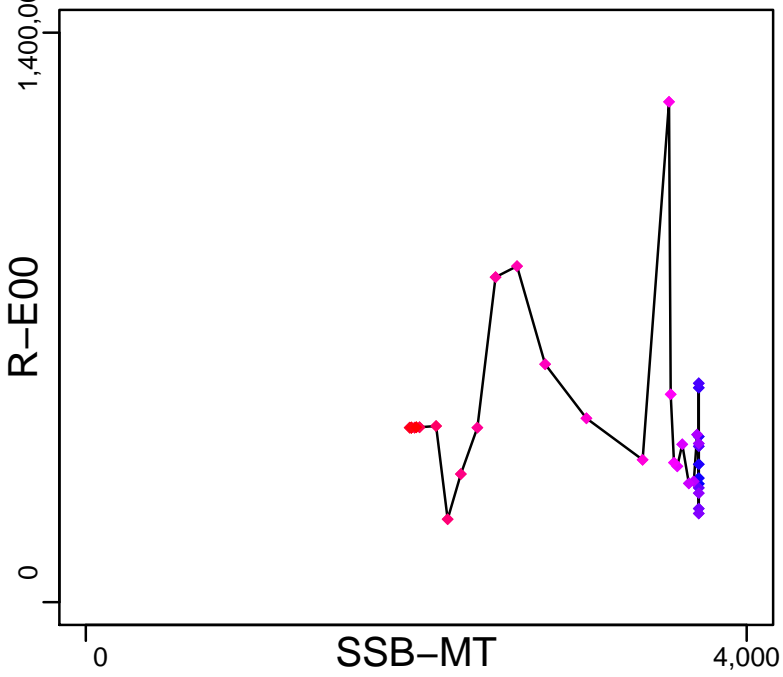
Kobe MSYpref (1975–2010–FAY)



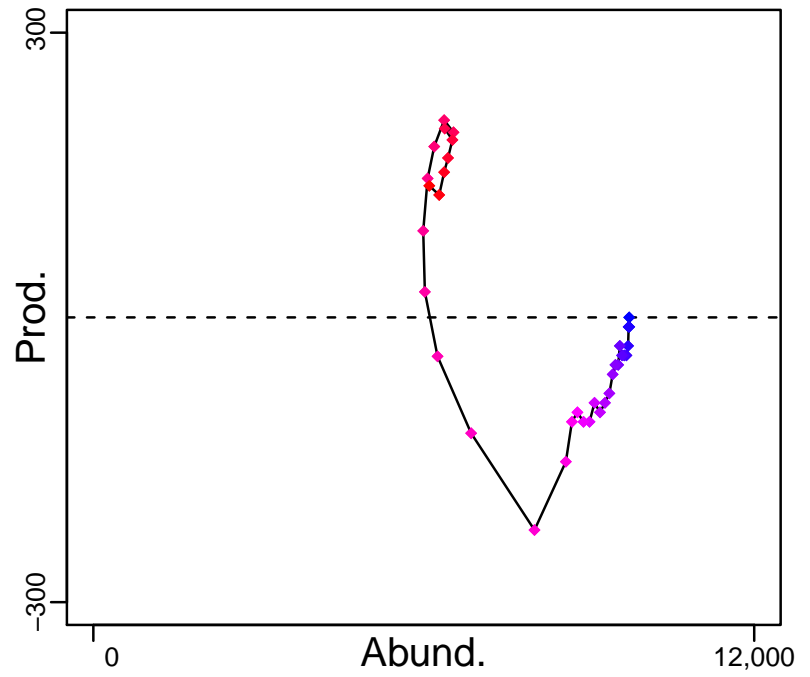
Kobe MGTpref (1975–2010–FAY)



Spawner Recruit (1975–2010–FAY)



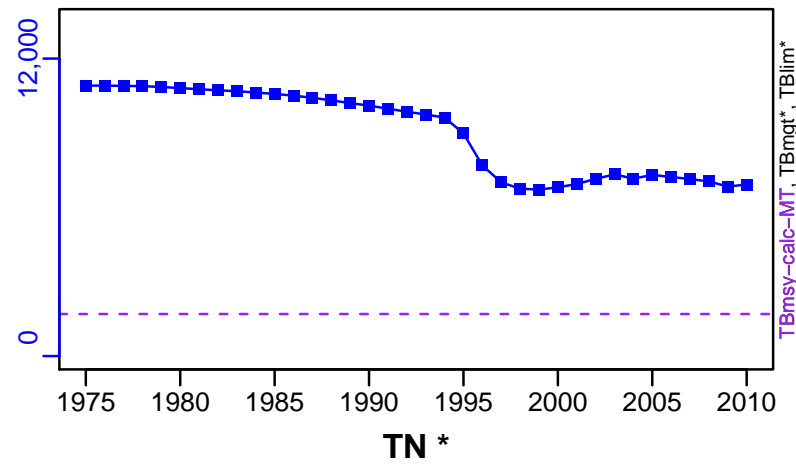
Production (1975–2010–FAY)



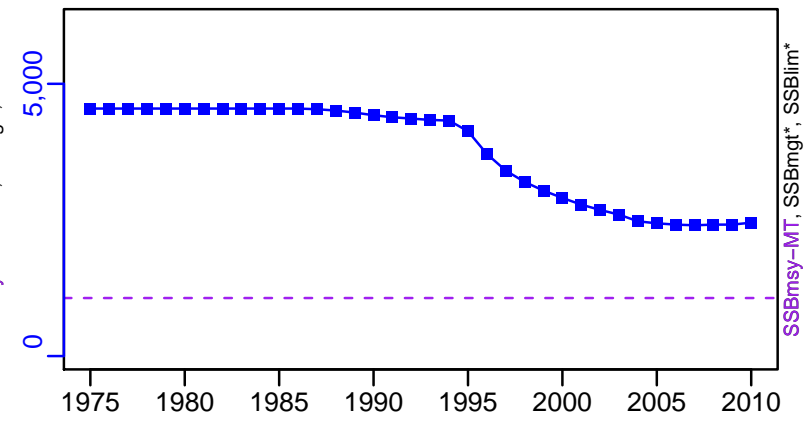
◆ Start Year ◆ End Year * No Data

Patagonian toothfish Macquarie Island [PTOOTHFISHMI]

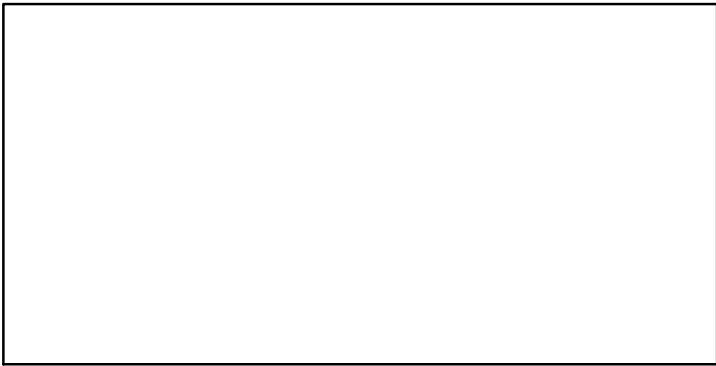
TB-MT (1975–2010–FAY)



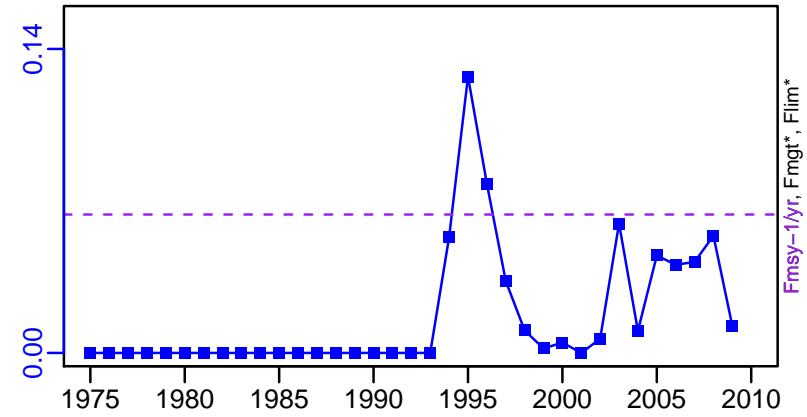
SSB-MT (1975–2010–FAY)



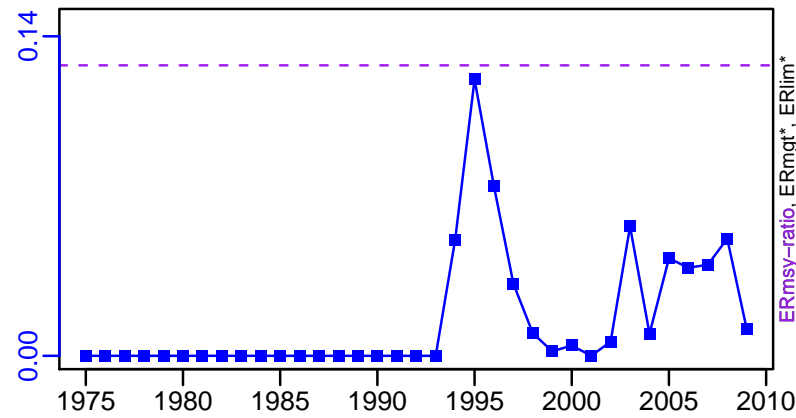
TN *



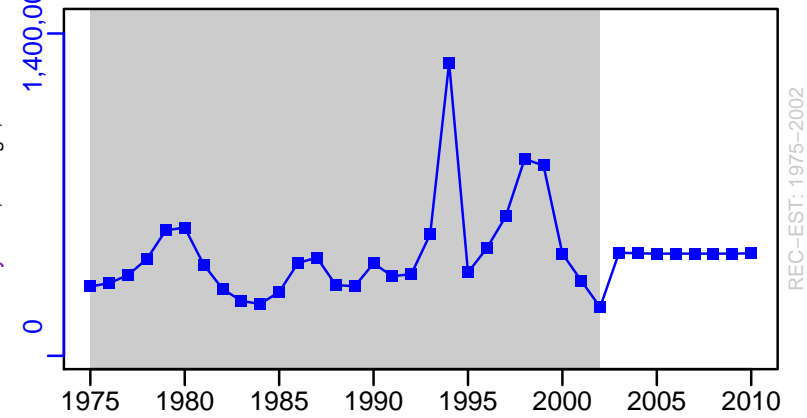
F-1/yr (1975–2010–FAY)



ER-ratio (1975–2010–FAY)

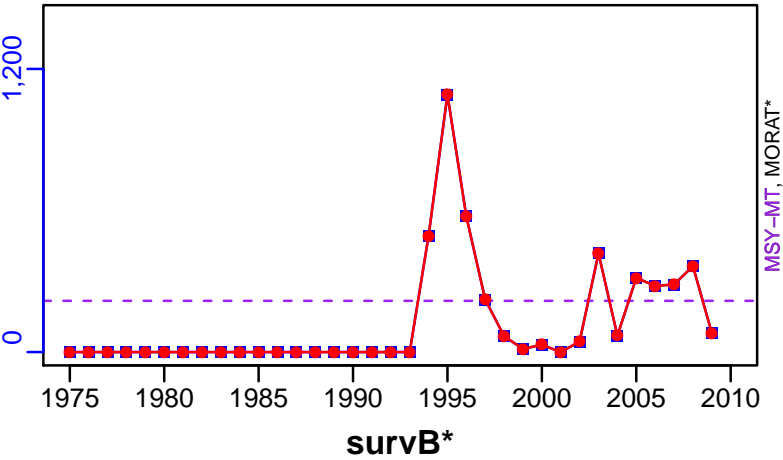


R-E00 (1975–2010–FAY)



Patagonian toothfish Macquarie Island [PTOOTHFISHMI]

TC-MT, TL-MT, RecC* (1975-2010-FAY)



TAC*, Cpair*, Cadv*



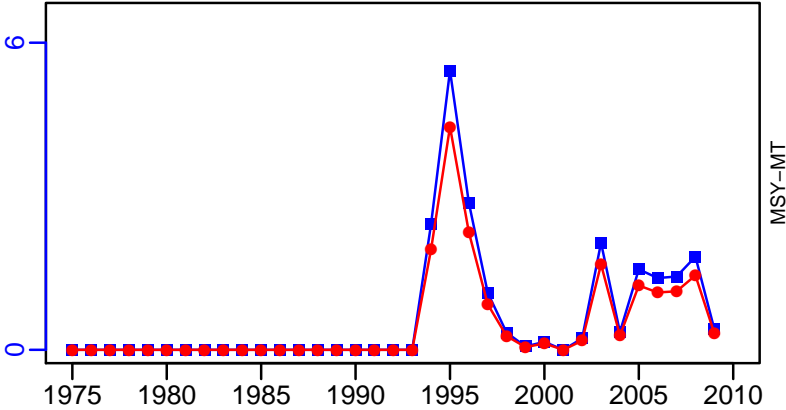
CPUE*



EFFORT*



TC-MT/MSY-MT, CdivMEANC-ratio, (1975-2010-FAY)



Redfish Eastern Australia [REDFEAUS]

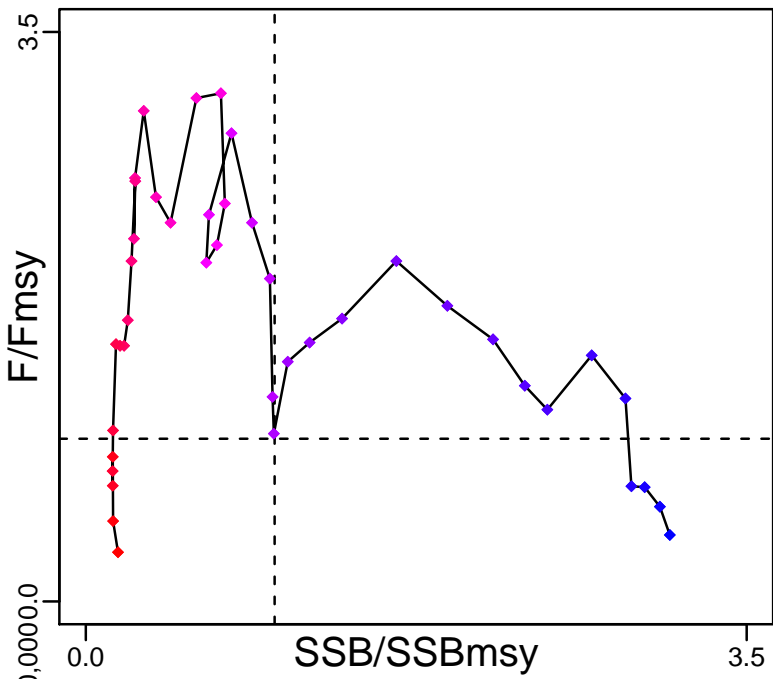
Metadata	
Scientific Name	Centroberyx affinis
Current Assess ID	CSIRO-REDFEAUS-1975-2016-MOESENER
Area	Eastern Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2013, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2016	2852
Fmsy	Fmsy-1/yr	2016	0.102
ERmsy	ERmsy-conv-ratio	2016	0.111
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	5336
Fmgt	Fmgt-1/yr	2016	0.053
ERmgt	-	-	-
TB0	TB0-MT	2016	26,740
SSB0	SSB0-MT	2016	11,116
MSY	MSY-MT	2016	913
M	M-1/yr	2016	0.1
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	2223
Flim	-	-	-
ERlim	-	-	-

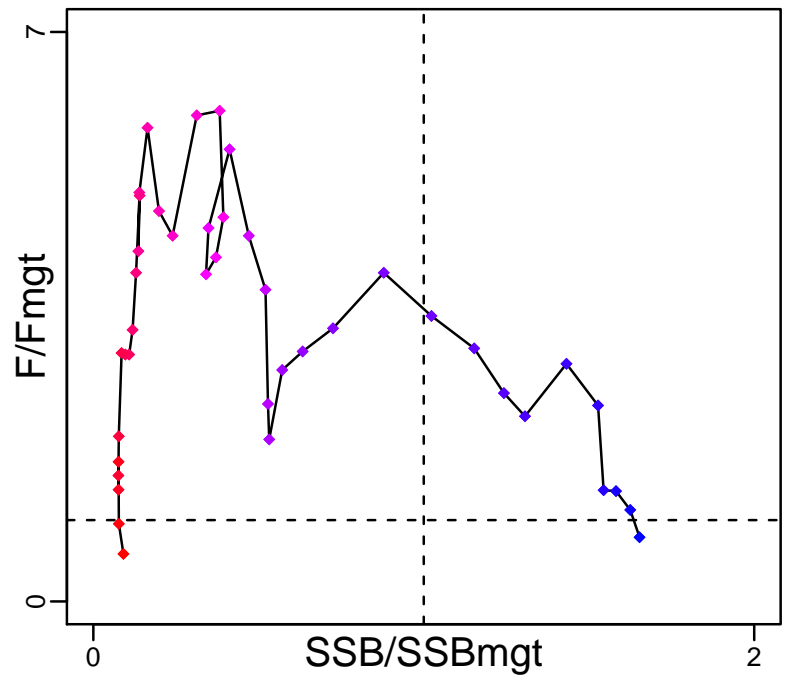
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	2250	-	-
SSB	SSB-MT	2016	486	-	-
TN	-	-	-	-	-
R	R-E00	2016	5.18×10^{13}	-	-
F	F-1/yr	2016	0.031	-	-
ER	ER-ratio	2016	0.03	-	-
TC	-	-	-		
TL	TL-MT	2016	52		
TB/TBmsy	TB-MT/(TB0-MT*0.368)	2016	0.229		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2016	0.17		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.302		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2016	0.273		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.091		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.584		
ER/ERmgt	-	-	-		

Redfish Eastern Australia [REDFEAUS]

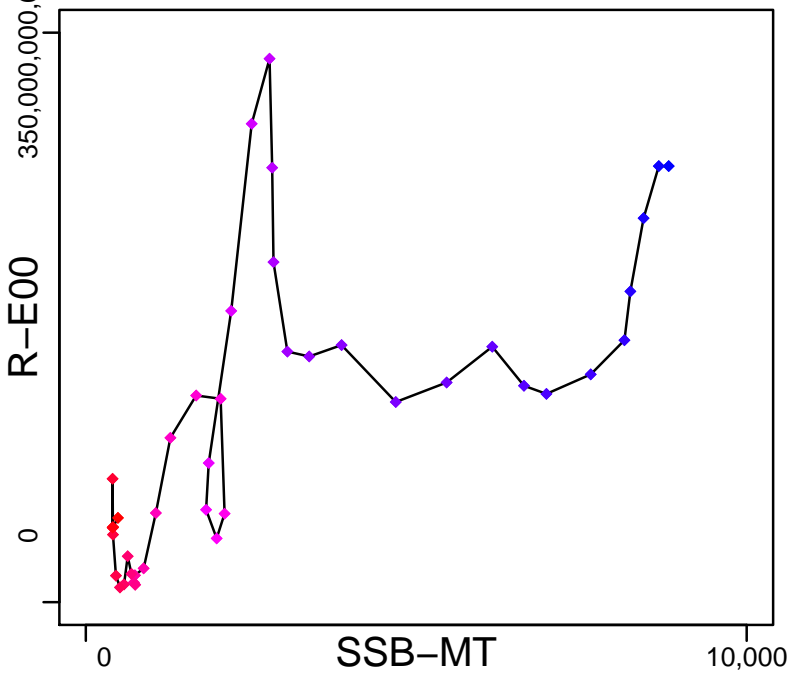
Kobe MSYpref (1975–2016–MOESENEDER)



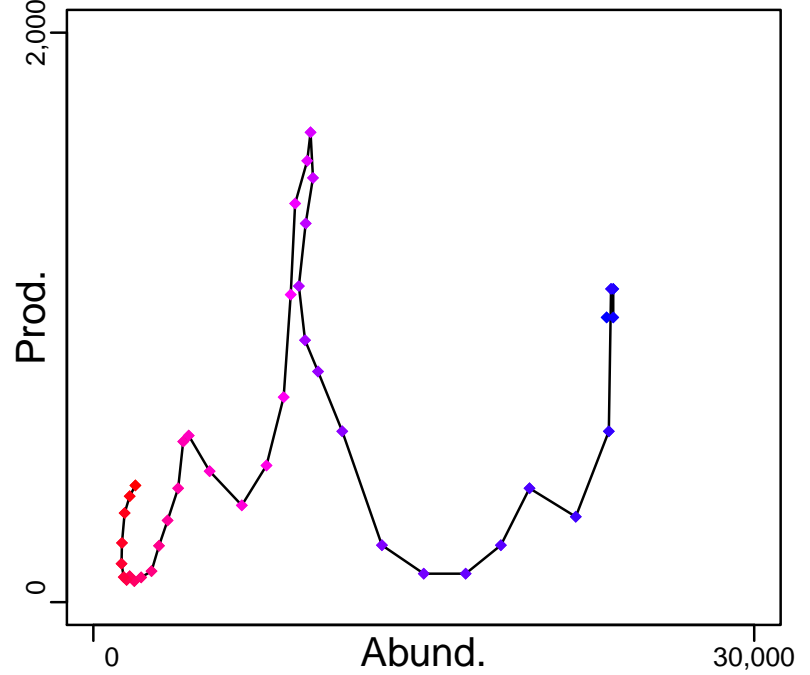
Kobe MGTpref (1975–2016–MOESENEDER)



Spawner Recruit (1975–2016–MOESENEDER)



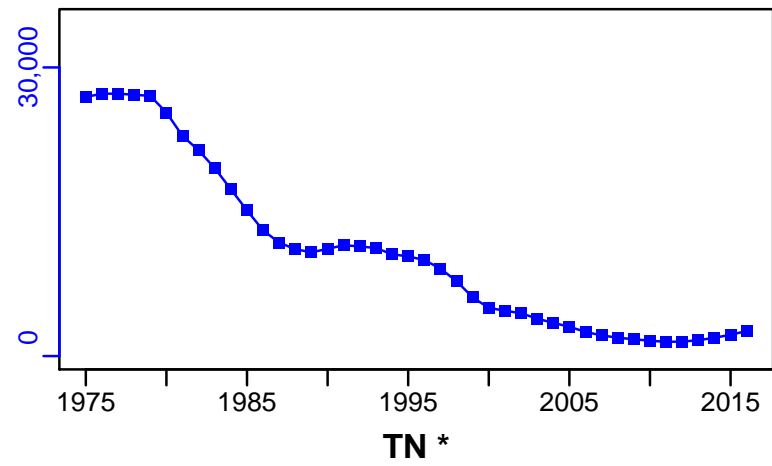
Production (1975–2016–MOESENEDER)



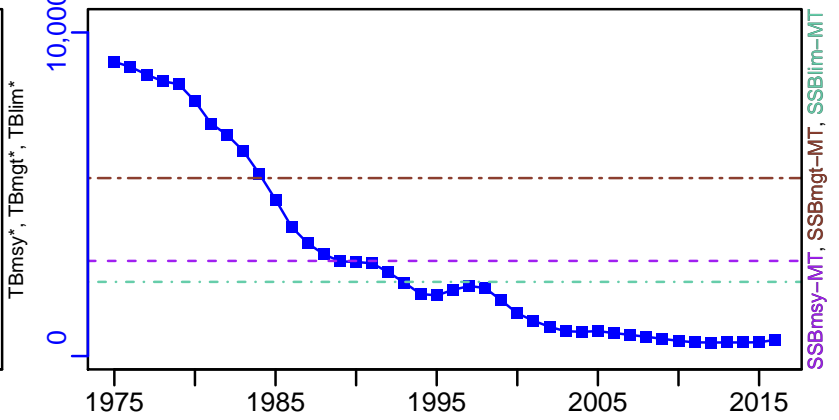
◆ Start Year ◆ End Year * No Data

Redfish Eastern Australia [REDFEAUS]

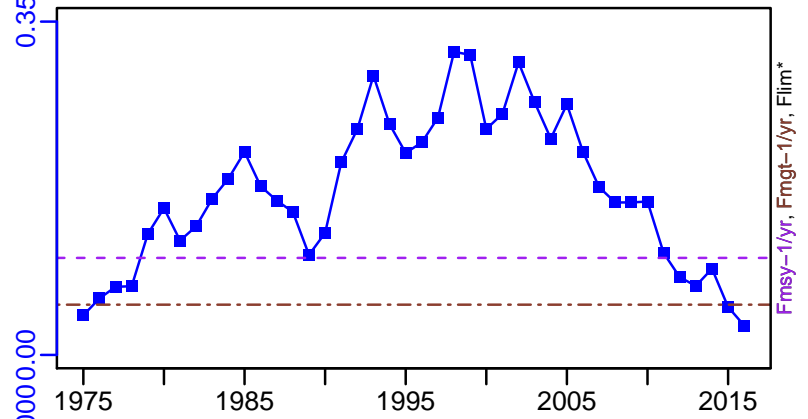
TB-MT (1975-2016-MOESENEDER)



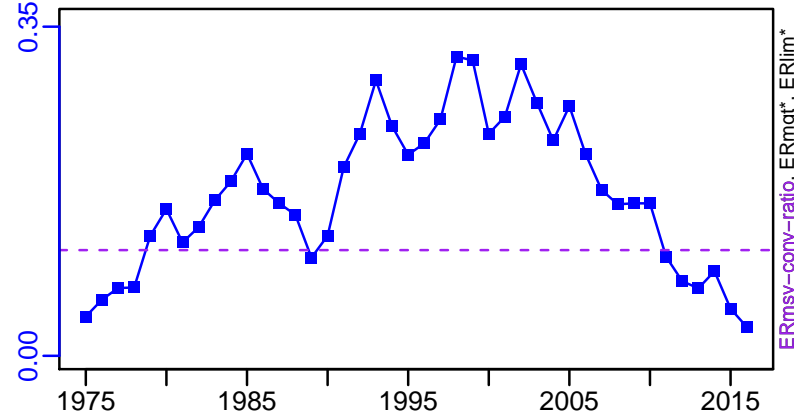
SSB-MT (1975-2016-MOESENEDER)



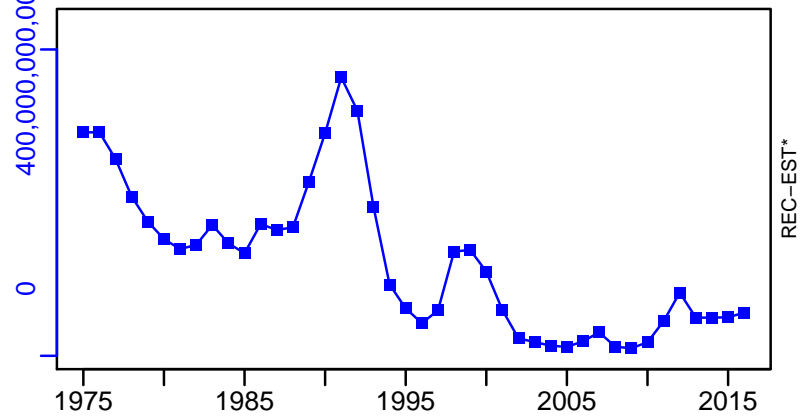
F-1/yr (1975-2016-MOESENEDER)



ER-ratio (1975-2016-MOESENEDER)

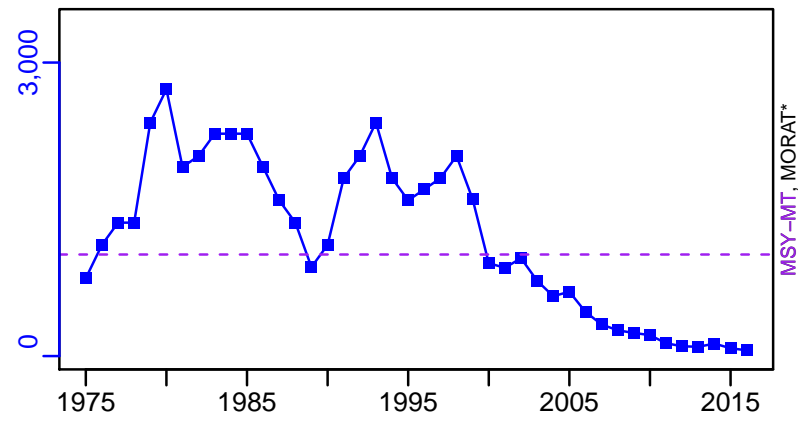


R-E00 (1975-2016-MOESENEDER)

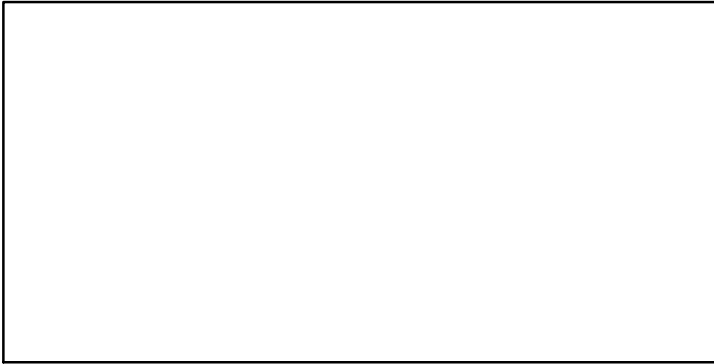


Redfish Eastern Australia [REDFEAUS]

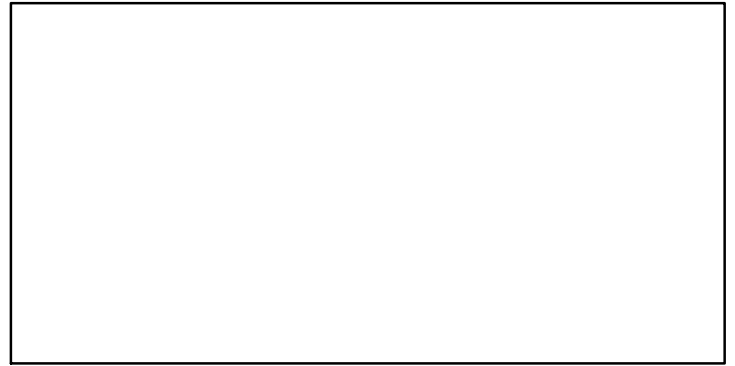
TL-MT, TC*, RecC* (1975–2016–MOESENEDER)



survB*



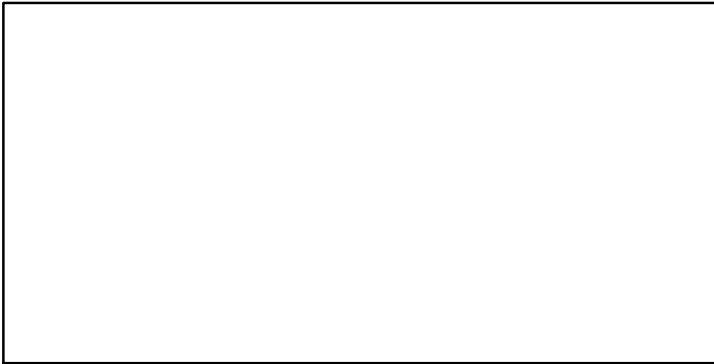
TAC*, Cpair*, Cadv*



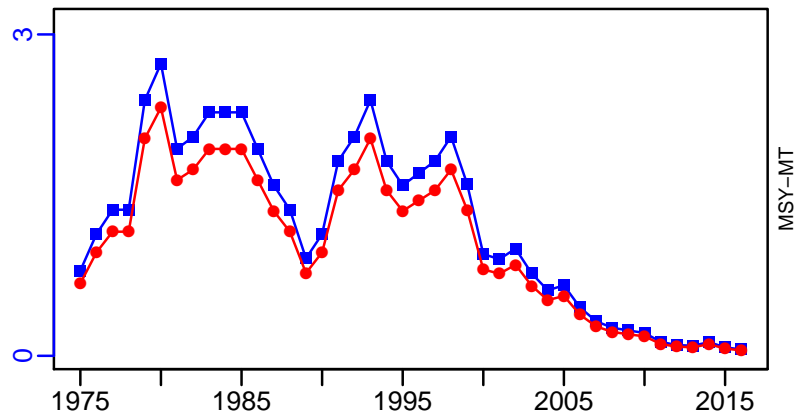
CPUE*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1975–2016–MOESENEDER)



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

Rock lobster South Australia Northern Zone [RROCKLOBSTERSAUSNZ]

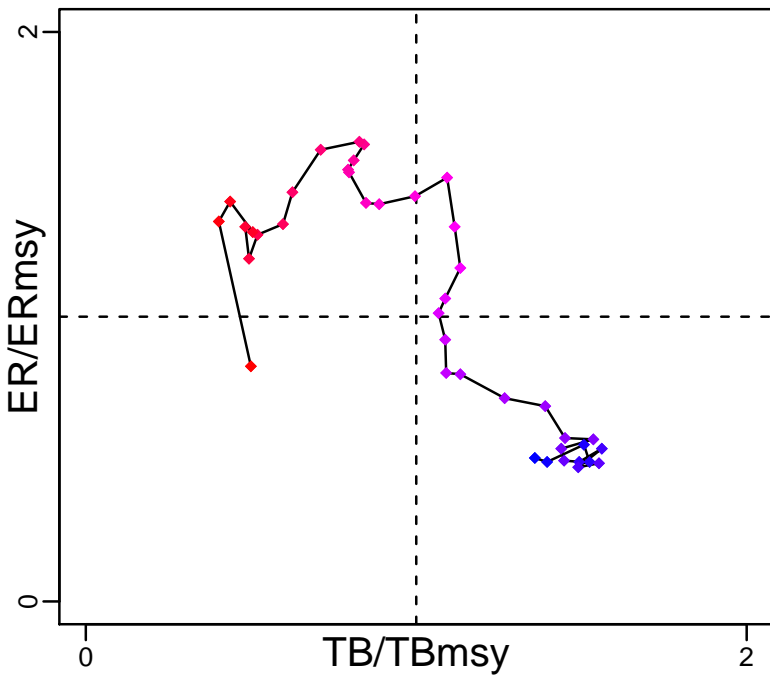
Metadata	
Scientific Name	Jasus edwardsii
Current Assess ID	SARDI-RROCKLOBSTERSAUSNZ-1966-2010-BANOBI
Area	South Australia Northern Zone
Management Authority	South Australian Research and Development Institute
Assessor	South Australian Research and Development Institute
Asmts in RAM	2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2010	3503
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2010	0.214
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2010	751
M	M-1/yr	2010	0.1
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

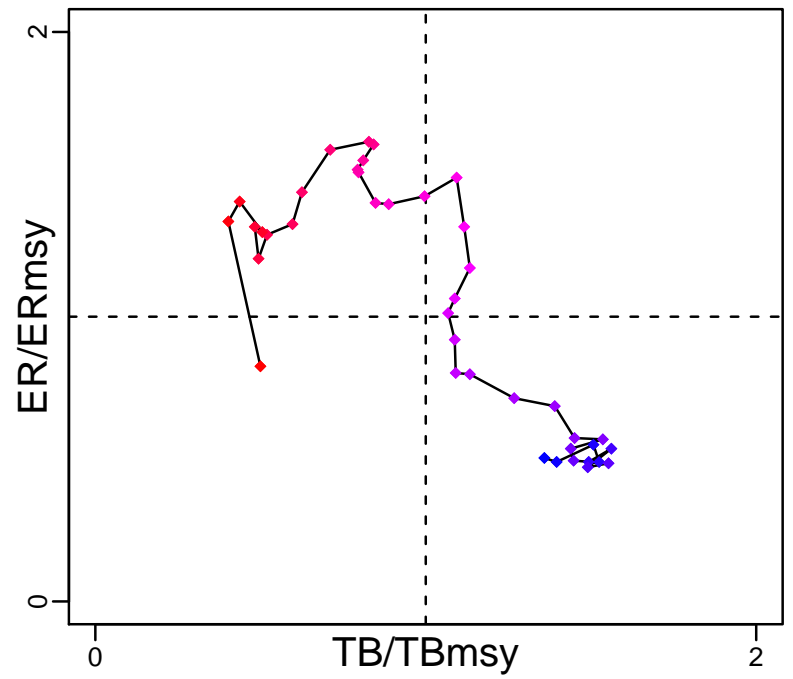
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2010	1750	-	-
SSB	SSB-E00eggs	2010	2.02×10^{11}	-	-
TN	-	-	-	-	-
R	R-E00	2010	1,180,000	-	-
F	-	-	-	-	-
ER	ER-ratio	2010	0.177	-	-
TC	-	-	-		
TL	TL-MT	2010	312		
TB/TBmsy	TB-MT/TBmsy-est-MT	2010	0.5		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-est-ratio	2010	0.826		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Rock lobster South Australia Northern Zone [RROCKLOBSTERSAUSNZ]

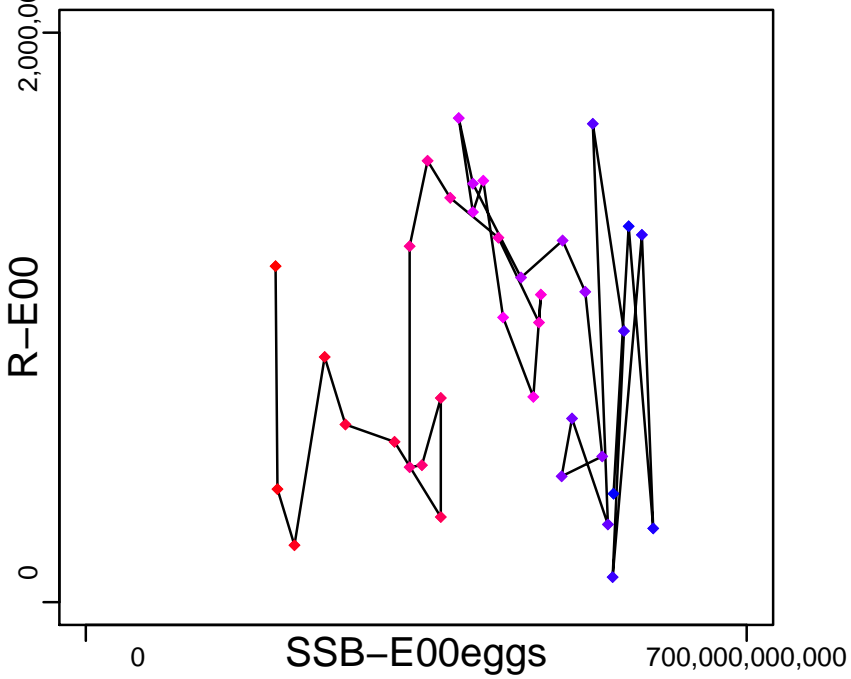
Kobe MSYpref (1966–2010–BANOB)



Kobe MGTpref (1966–2010–BANOB)



Spawner Recruit (1966–2010–BANOB)



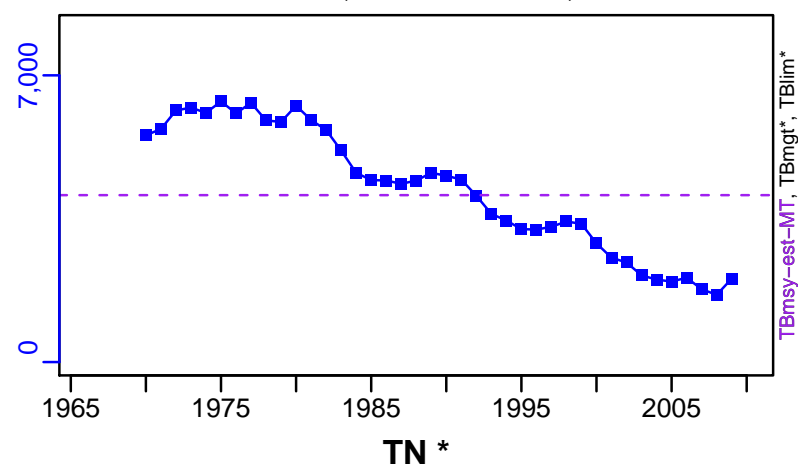
Production*



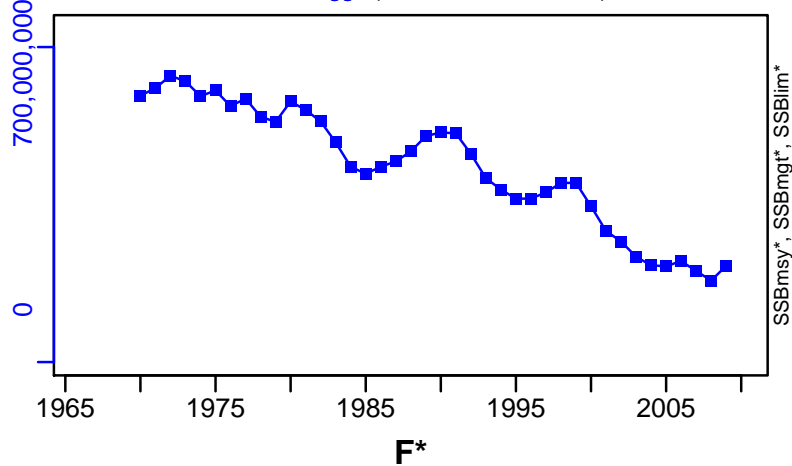
◆ Start Year ◆ End Year * No Data

Rock lobster South Australia Northern Zone [RROCKLOBSTERSAUSNZ]

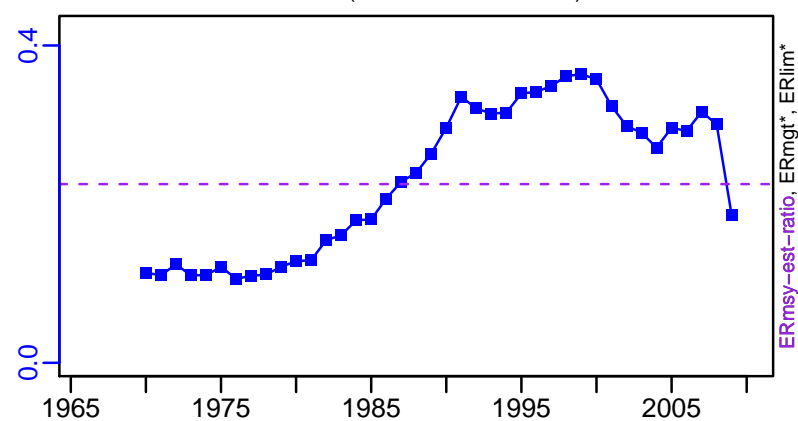
TB-MT (1966–2010–BANOB1)



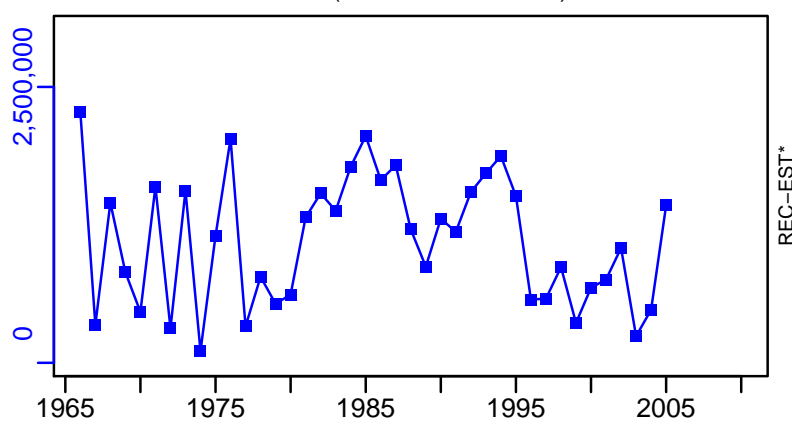
SSB-E00eggs (1966–2010–BANOB1)



ER-ratio (1966–2010–BANOB1)

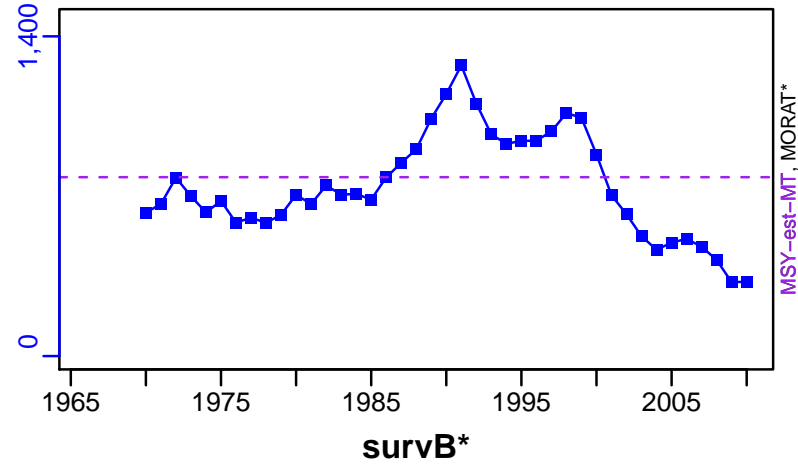


R-E00 (1966–2010–BANOB1)



Rock lobster South Australia Northern Zone [RROCKLOBSTERSAUSNZ]

TL-MT, TC*, RecC* (1966-2010-BANOBI)



TAC*, Cpair*, Cadv*



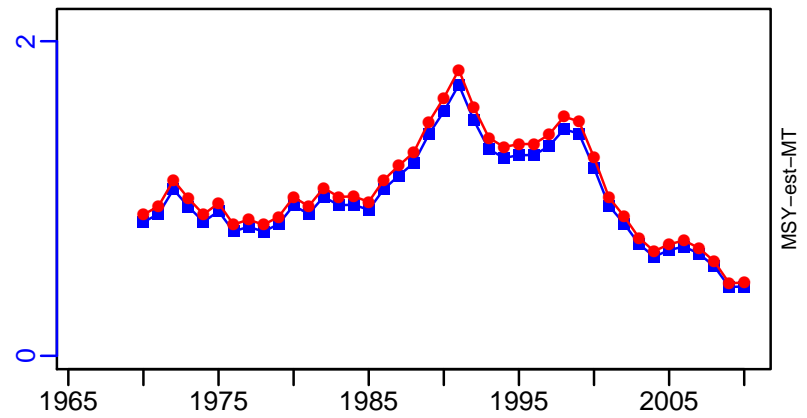
CPUE*



EFFORT*



TL-MT/MSY-est-MT, CdivMEANC-ratio, (1966-2010-BANOBI)



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

Rock lobster South Australia Southern Zone [RROCKLOBSTERSAUSSZ]

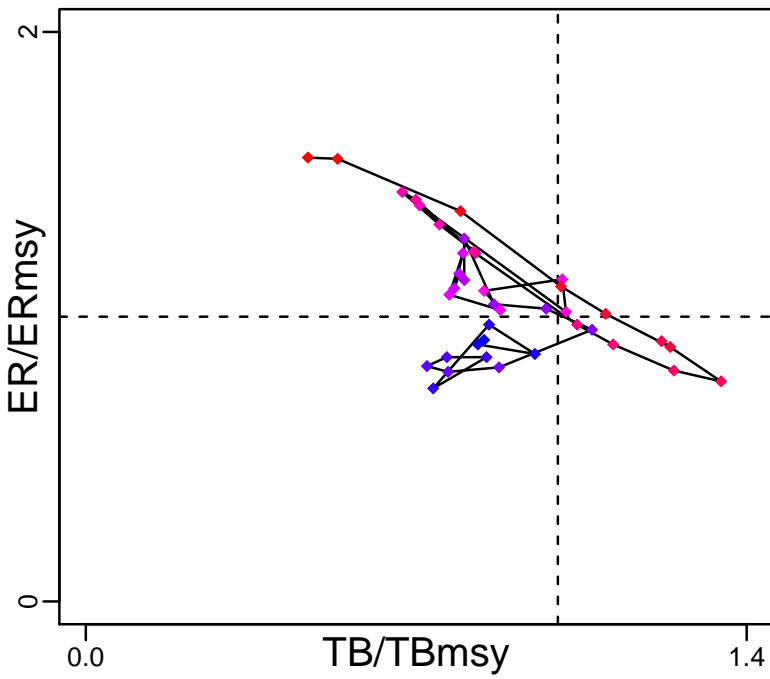
Metadata	
Scientific Name	Jasus edwardsii
Current Assess ID	SARDI-RROCKLOBSTERSAUSSZ-1965-2010-BANOBI
Area	South Australia Southern Zone
Management Authority	South Australian Research and Development Institute
Assessor	South Australian Research and Development Institute
Asmts in RAM	2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2010	3805
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2010	0.446
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2010	1699
M	M-1/yr	2010	0.1
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

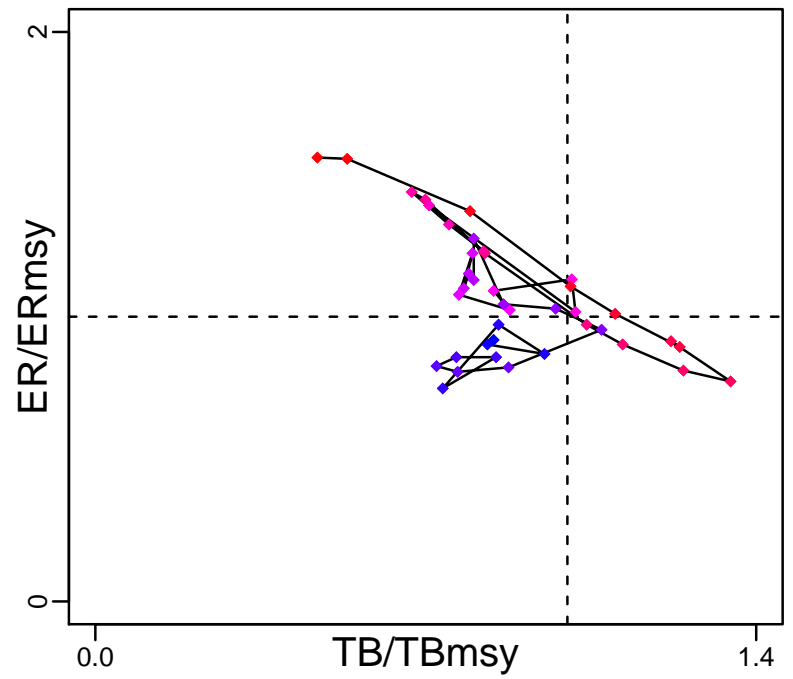
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2010	1790	-	-
SSB	SSB-E00eggs	2010	2.73×10^{11}	-	-
TN	-	-	-	-	-
R	R-E00	2010	1,600,000	-	-
F	-	-	-	-	-
ER	ER-ratio	2010	0.696	-	-
TC	-	-	-		
TL	TL-MT	2010	1240		
TB/TBmsy	TB-MT/TBmsy-est-MT	2010	0.47		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-est-ratio	2010	1.559		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Rock lobster South Australia Southern Zone [RROCKLOBSTERSAUSSZ]

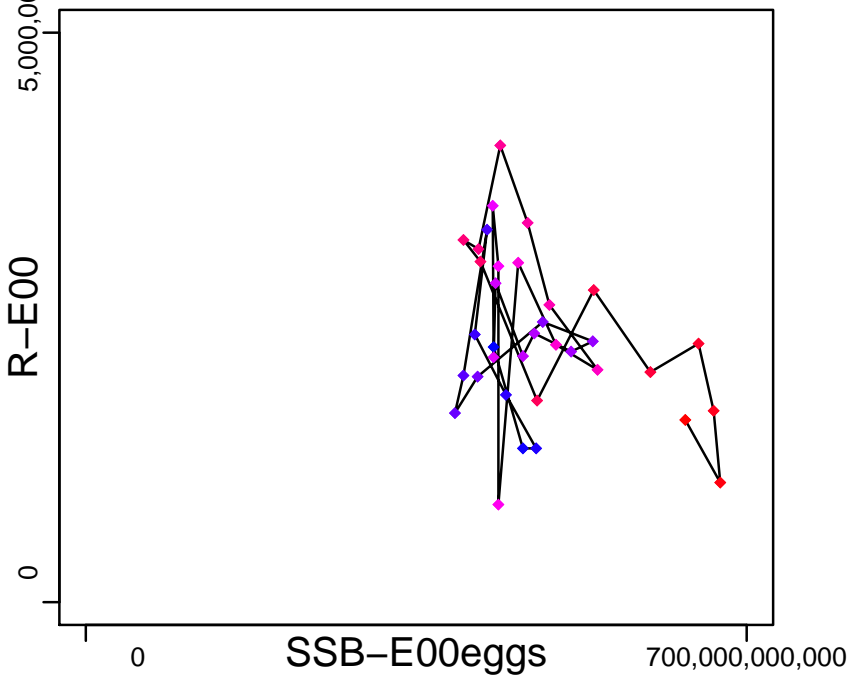
Kobe MSYpref (1965–2010–BANOB1)



Kobe MGTpref (1965–2010–BANOB1)



Spawner Recruit (1965–2010–BANOB1)



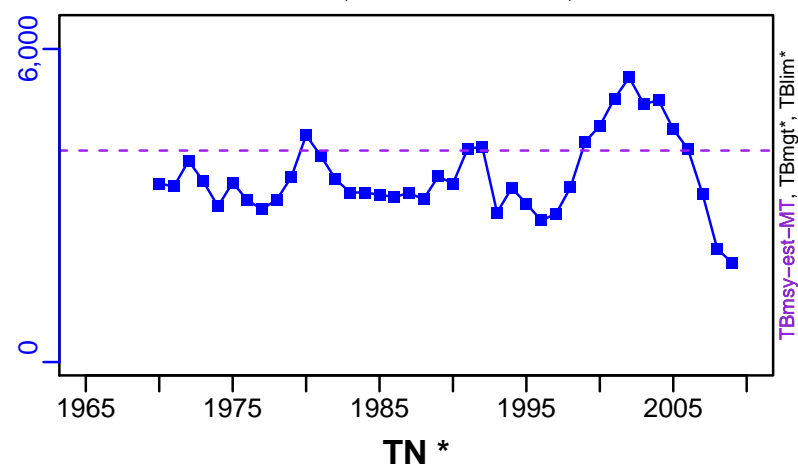
Production*



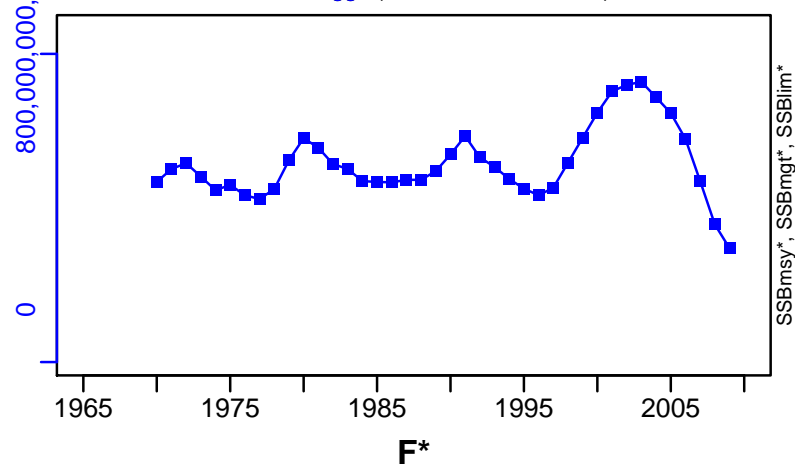
◆ Start Year ◆ End Year * No Data

Rock lobster South Australia Southern Zone [RROCKLOBSTERSAUSSZ]

TB-MT (1965–2010–BANOB)



SSB-E00eggs (1965–2010–BANOB)



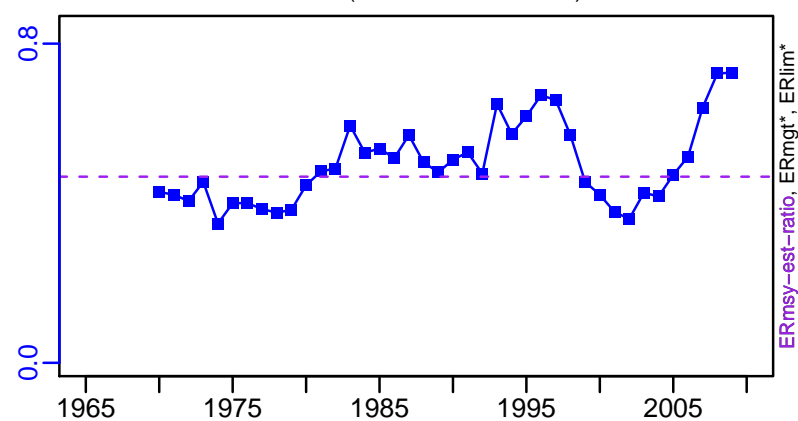
TN *



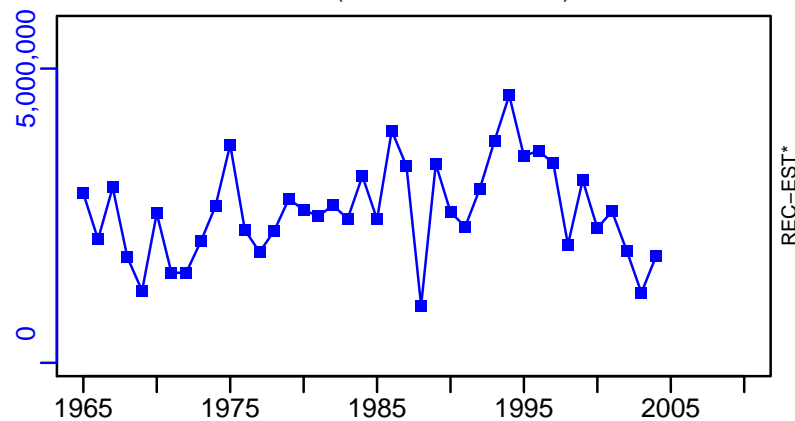
F*



ER-ratio (1965–2010–BANOB)

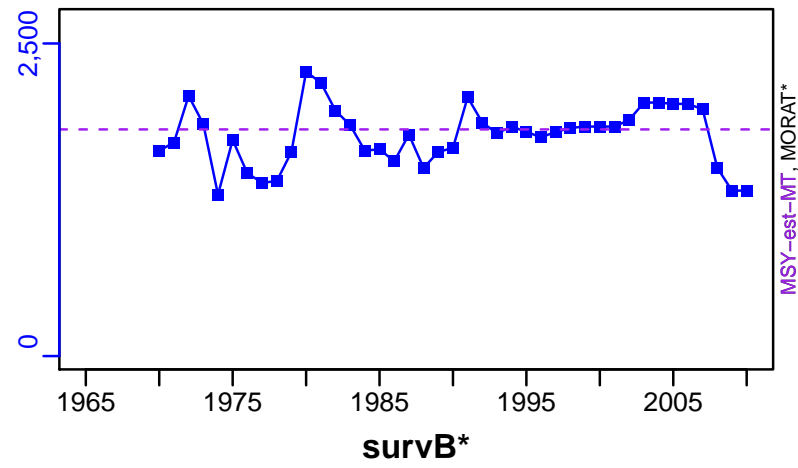


R-E00 (1965–2010–BANOB)



Rock lobster South Australia Southern Zone [RROCKLOBSTERSAUSSZ]

TL-MT, TC*, RecC* (1965-2010-BANOBI)



TAC*, Cpair*, Cadv*



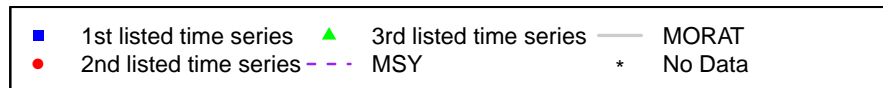
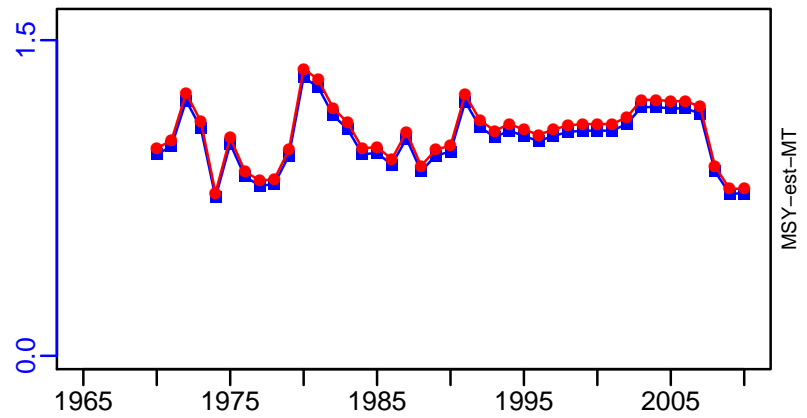
CPUE*



EFFORT*



TL-MT/MSY-est-MT, CdivMEANC-ratio, (1965-2010-BANOBI)



Sardine Western half of Southeast Australia [SARDWSE]

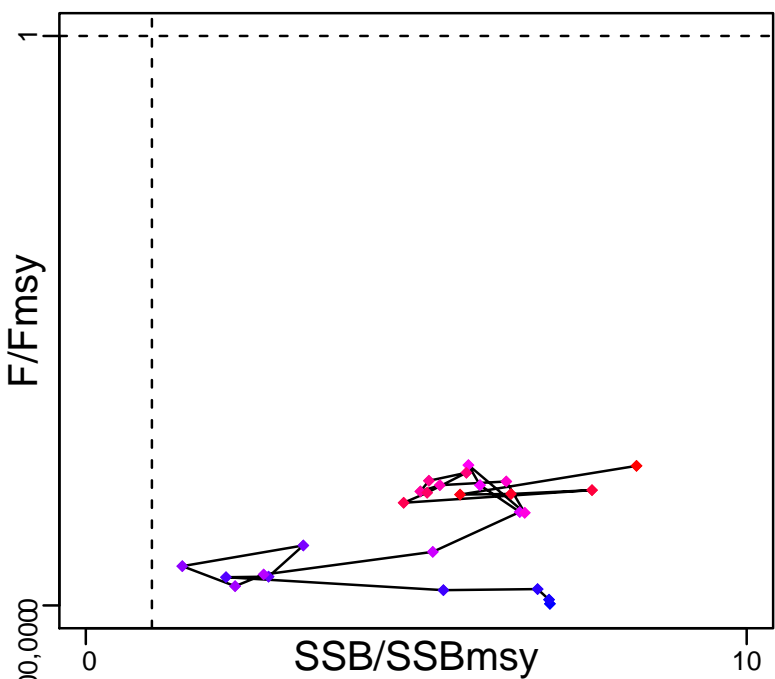
Metadata	
Scientific Name	Sardinops sagax
Current Assess ID	SARDI-SARDWSE-1992-2017-MOESENER
Area	Western half of Southeast Australia
Management Authority	South Australian Research and Development Institute
Assessor	South Australian Research and Development Institute
Asmts in RAM	2017

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2017	15,293
Fmsy	Fmsy-1/yr	2017	0.405
ERmsy	ERmsy-conv-ratio	2017	1.248
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2017	42,960
Fmgt	Fmgt-1/yr	2017	0.23
ERmgt	-	-	-
TB0	TB0-MT	2017	400,434
SSB0	SSB0-MT	2017	107,400
MSY	MSY-MT	2017	85,726
M	M-1/yr	2017	0.6
TBlim	-	-	-
SSBlim	SSBlim-MT	2017	21,480
Flim	-	-	-
ERlim	-	-	-

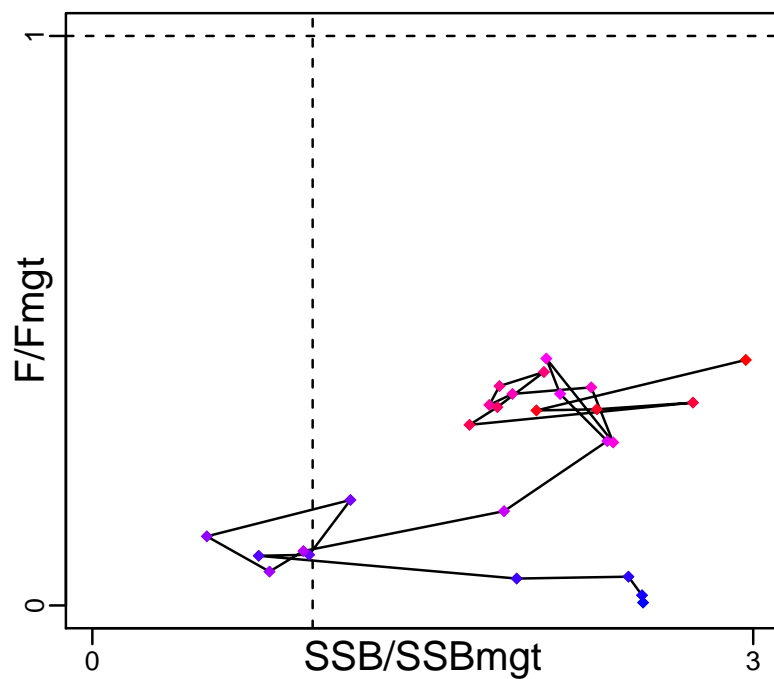
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2017	430,348	-	-
SSB	SSB-MT	2017	127,437	-	-
TN	-	-	-	-	-
R	R-E00	2017	1.13×10^{16}	-	-
F	F-1/yr	2017	0.099	-	-
ER	ER-ratio	2017	0.099	-	-
TC	-	-	-		
TL	TL-MT	2017	42,750		
TB/TBmsy	TB-MT/(TB0-MT*0.368)	2017	2.92		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2017	8.333		
F/Fmsy	F-1/yr/Fmsy-1/yr	2017	0.245		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2017	0.08		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2017	2.966		
F/Fmgt	F-1/yr/Fmgt-1/yr	2017	0.431		
ER/ERmgt	-	-	-		

Sardine Western half of Southeast Australia [SARDWSE]

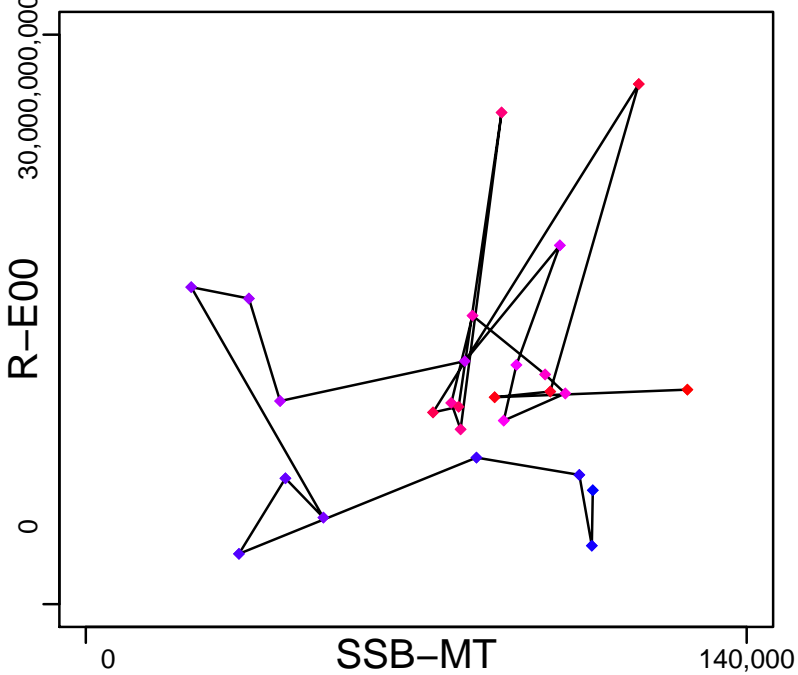
Kobe MSYpref (1992–2017–MOESENEDER)



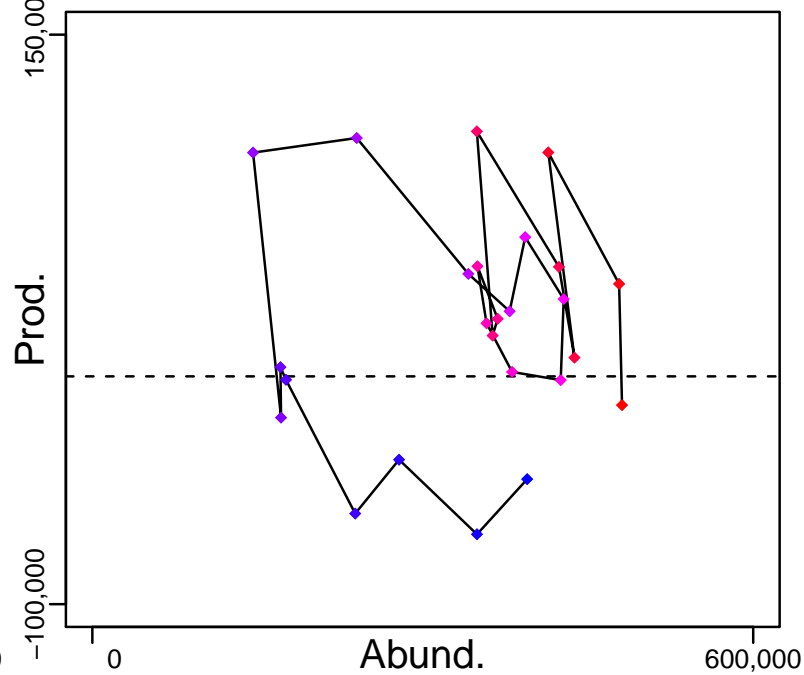
Kobe MGTpref (1992–2017–MOESENEDER)



Spawner Recruit (1992–2017–MOESENEDER)



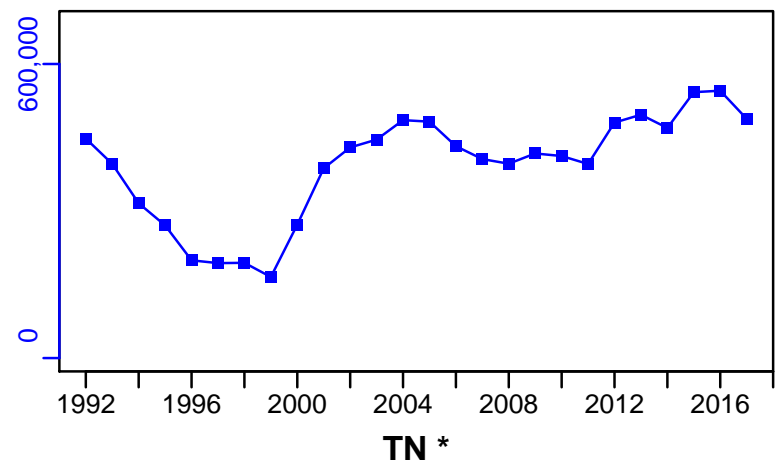
Production (1992–2017–MOESENEDER)



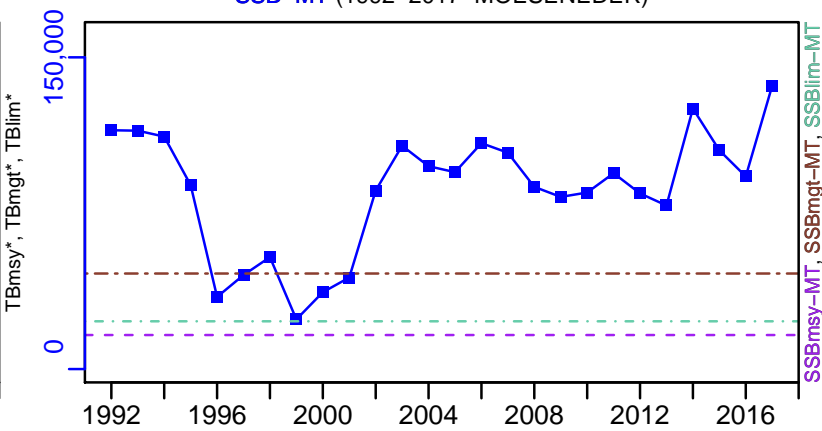
◆ Start Year ◆ End Year * No Data

Sardine Western half of Southeast Australia [SARDWSE]

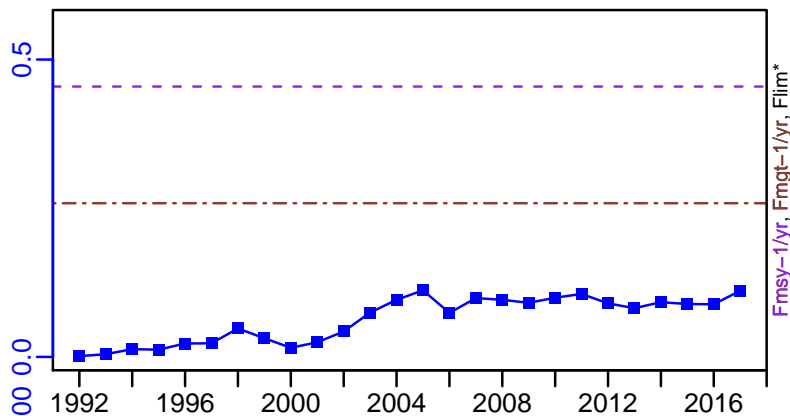
TB-MT (1992-2017-MOESENER)



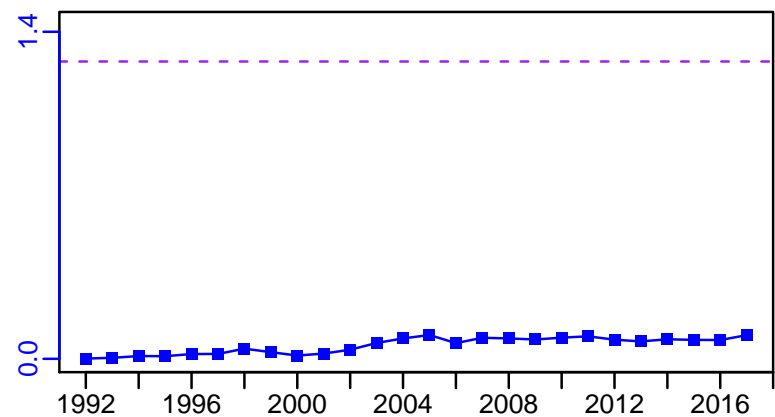
SSB-MT (1992-2017-MOESENER)



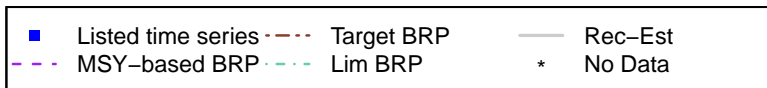
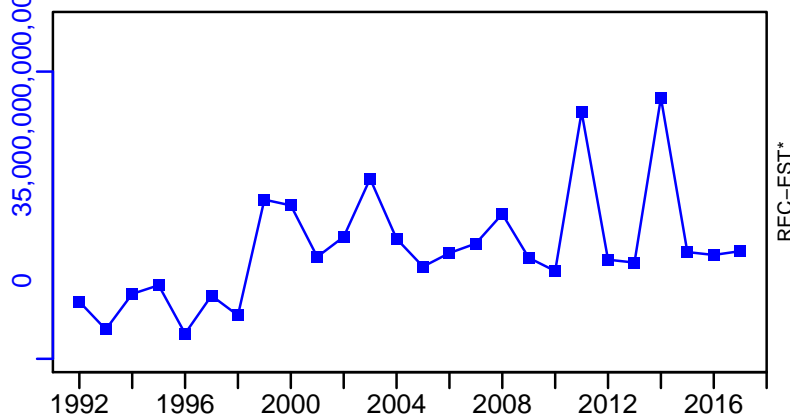
F-1/yr (1992-2017-MOESENER)



ER-ratio (1992-2017-MOESENER)

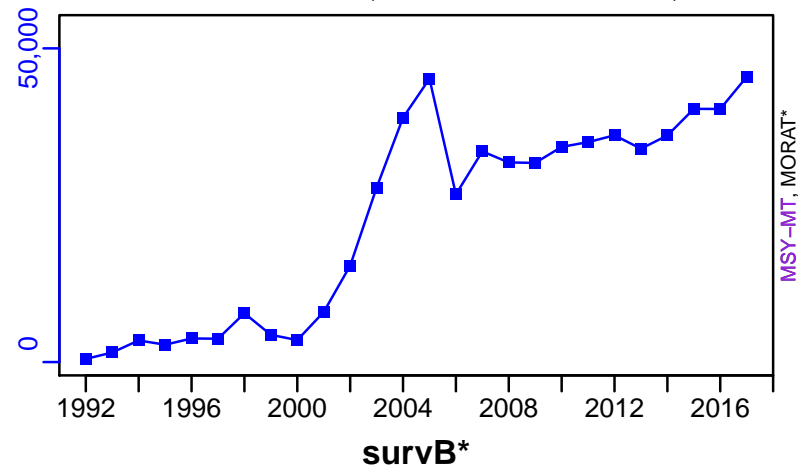


R-E00 (1992-2017-MOESENER)



Sardine Western half of Southeast Australia [SARDWSE]

TL-MT, TC*, RecC* (1992-2017-MOESENER)



TAC*, Cpair*, Cadv*



survB*



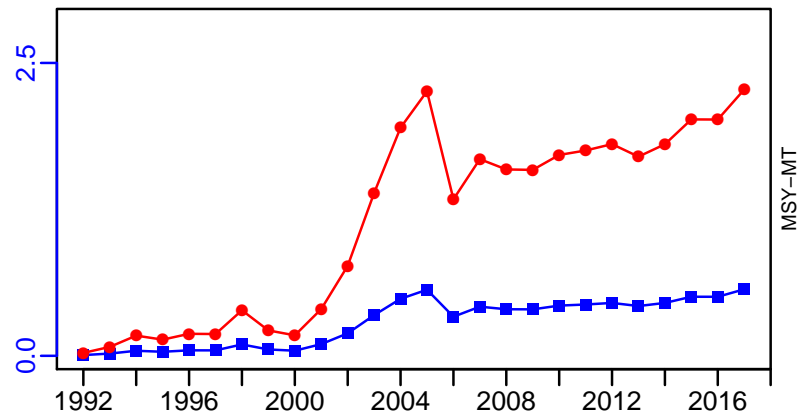
CPUE*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1992-2017-MOESENER)



Silverfish Southeast Australia [SILVERFISHSE]

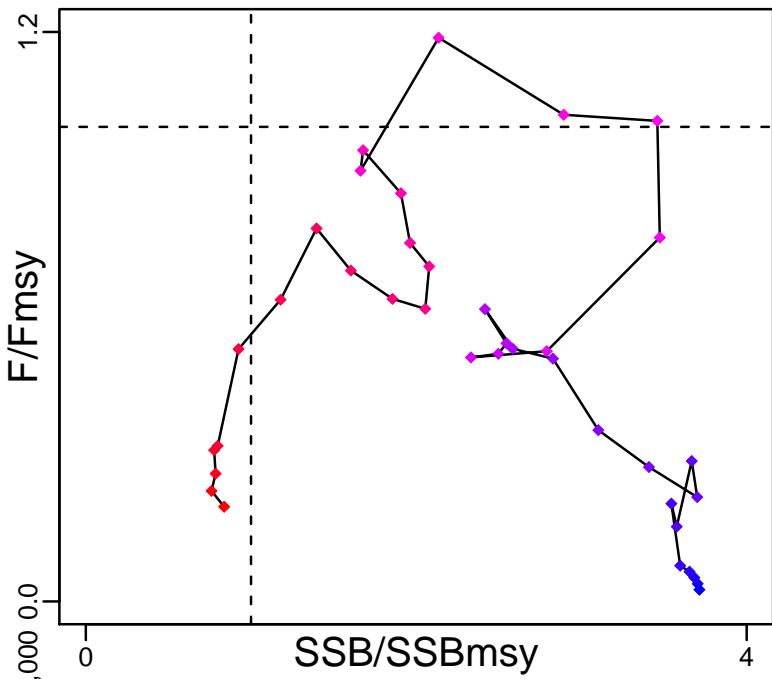
Metadata	
Scientific Name	Seriola punctata
Current Assess ID	CSIRO-SILVERFISHSE-1980-2017-MOESENER
Area	Southeast Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2006, 2014, 2017

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2017	5102
Fmsy	Fmsy-1/yr	2017	0.215
ERmsy	ERmsy-conv-ratio	2017	0.266
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2017	9096
Fmgt	Fmgt-1/yr	2017	0.124
ERmgt	-	-	-
TB0	TB0-MT	2017	25,224
SSB0	SSB0-MT	2017	18,949
MSY	MSY-MT	2017	2064
M	M-1/yr	2017	0.3
TBlim	TBlim-MT	2006	4136
SSBlim	SSBlim-MT	2017	3790
Flim	-	-	-
ERlim	-	-	-

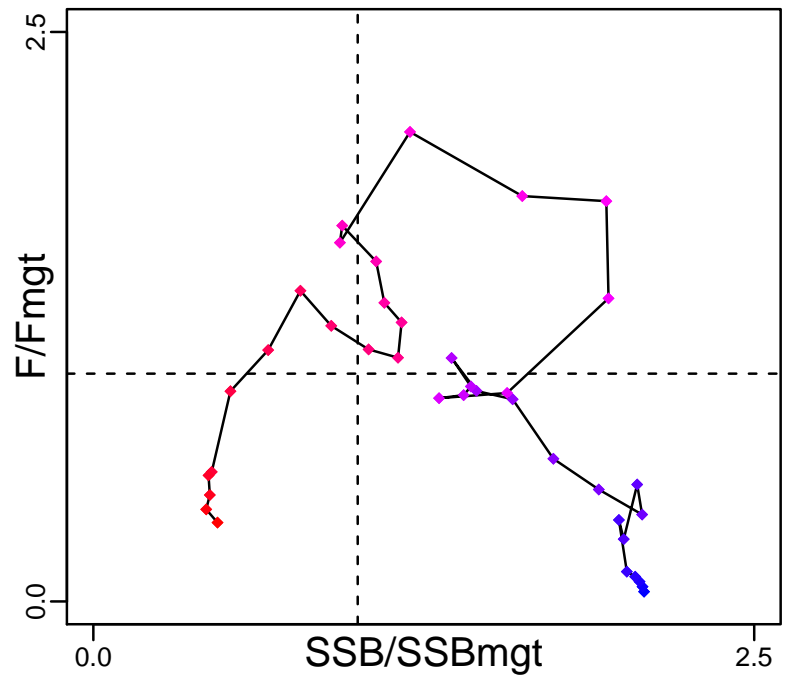
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2017	7866	-	-
SSB	SSB-MT	2017	4273	-	-
TN	-	-	-	-	-
R	R-E00	2017	9.2×10^{12}	-	-
F	F-1/yr	2017	0.043	-	-
ER	ER-ratio	2017	0.049	-	-
TC	-	-	-		
TL	TL-MT	2017	348		
TB/TBmsy	TB-MT/(TB0-MT*0.368)	2017	0.847		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2017	0.837		
F/Fmsy	F-1/yr/Fmsy-1/yr	2017	0.2		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2017	0.185		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2017	0.47		
F/Fmgt	F-1/yr/Fmgt-1/yr	2017	0.346		
ER/ERmgt	-	-	-		

Silverfish Southeast Australia [SILVERFISHSE]

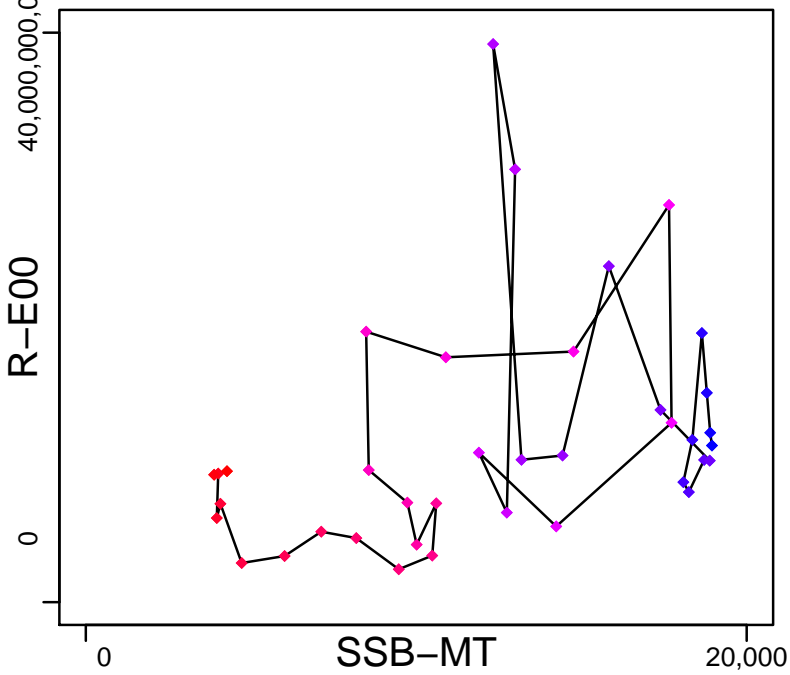
Kobe MSYpref (1980–2017–MOESENEDER)



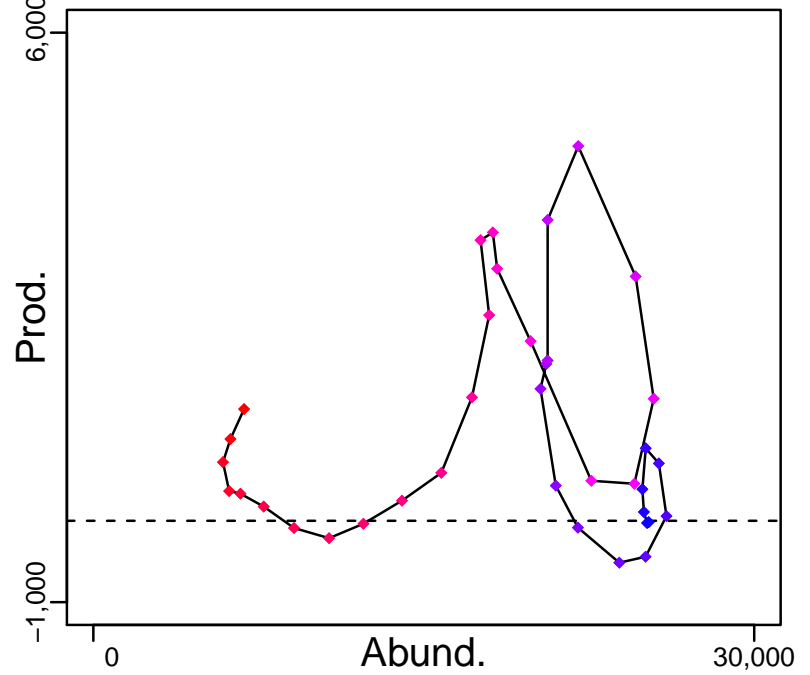
Kobe MGTpref (1980–2017–MOESENEDER)



Spawner Recruit (1980–2017–MOESENEDER)



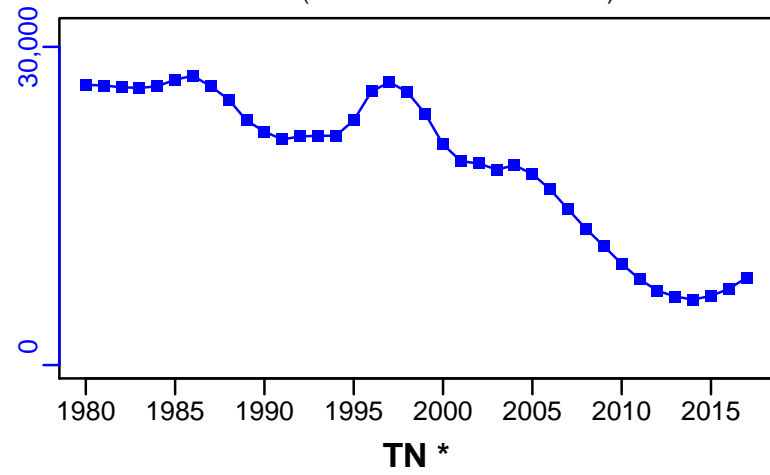
Production (1980–2017–MOESENEDER)



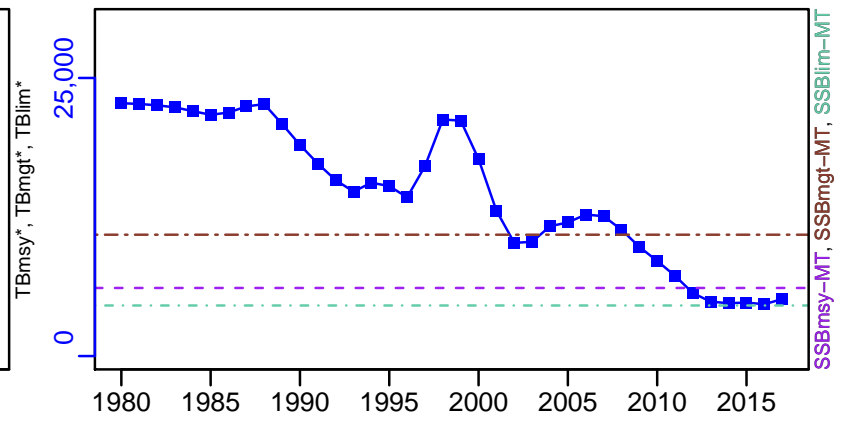
◆ Start Year ◆ End Year * No Data

Silverfish Southeast Australia [SILVERFISHSE]

TB-MT (1980-2017-MOESENER)



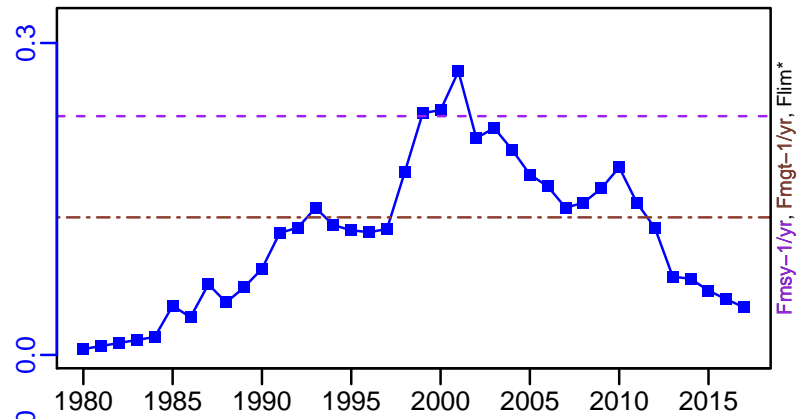
SSB-MT (1980-2017-MOESENER)



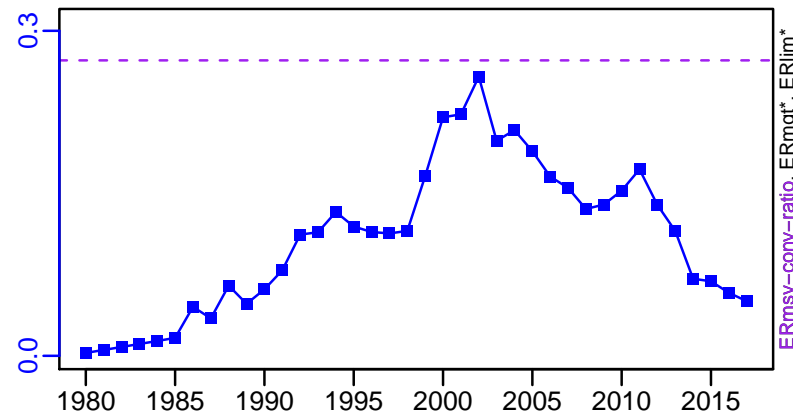
TN *



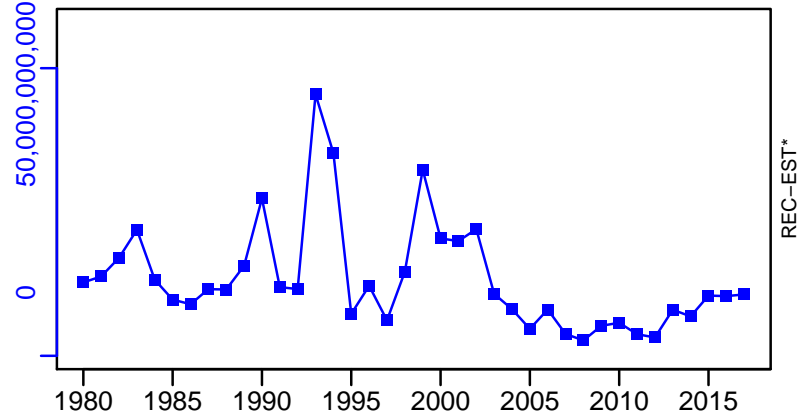
F-1/yr (1980-2017-MOESENER)



ER-ratio (1980-2017-MOESENER)

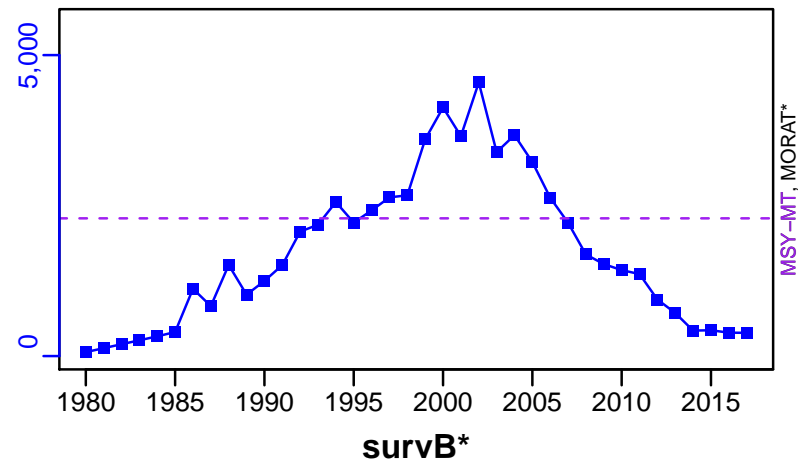


R-E00 (1980-2017-MOESENER)



Silverfish Southeast Australia [SILVERFISHSE]

TL-MT, TC*, RecC* (1980-2017-MOESENER)



TAC*, Cpair*, Cadv*



survB*



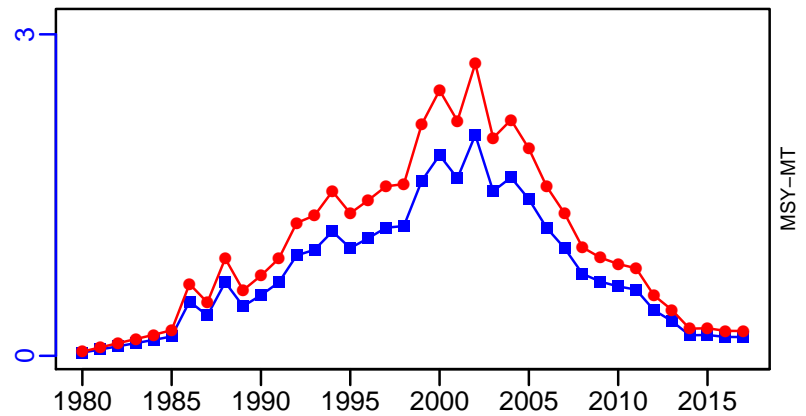
CPUE*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1980-2017-MOESENER)

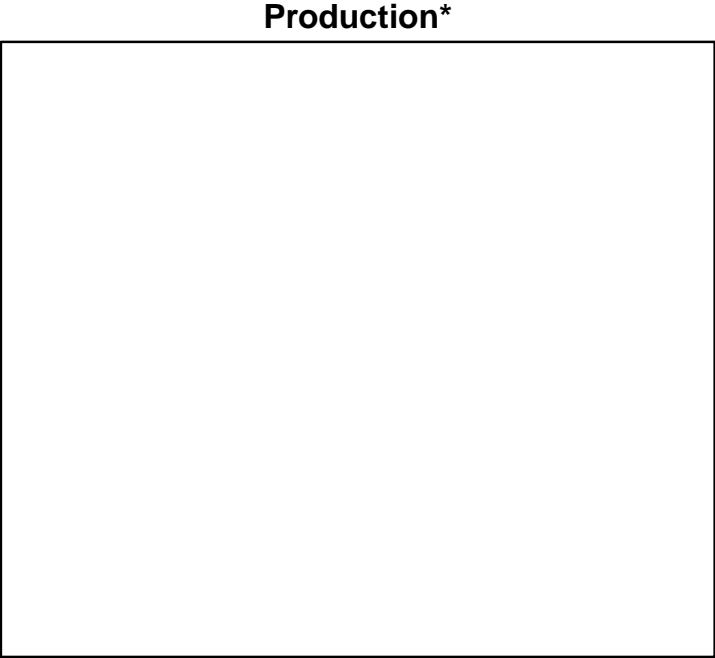
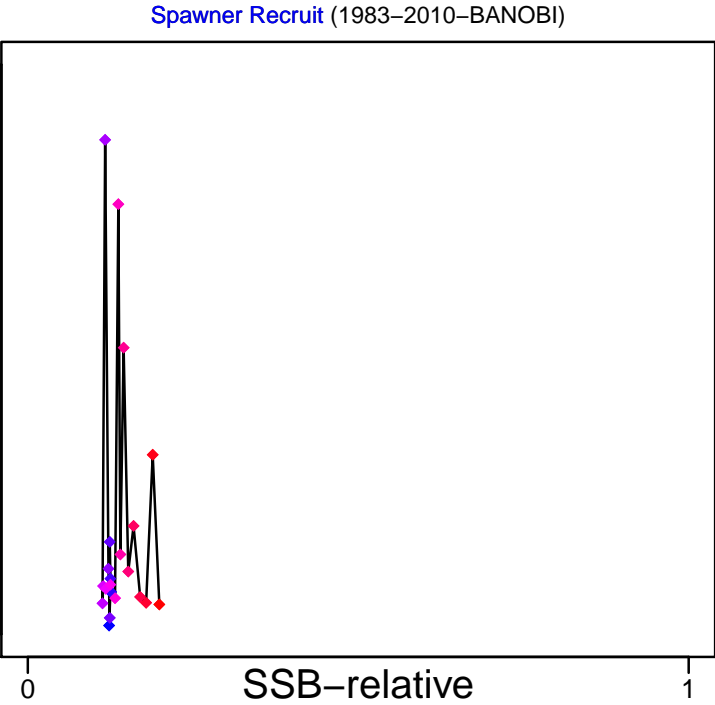
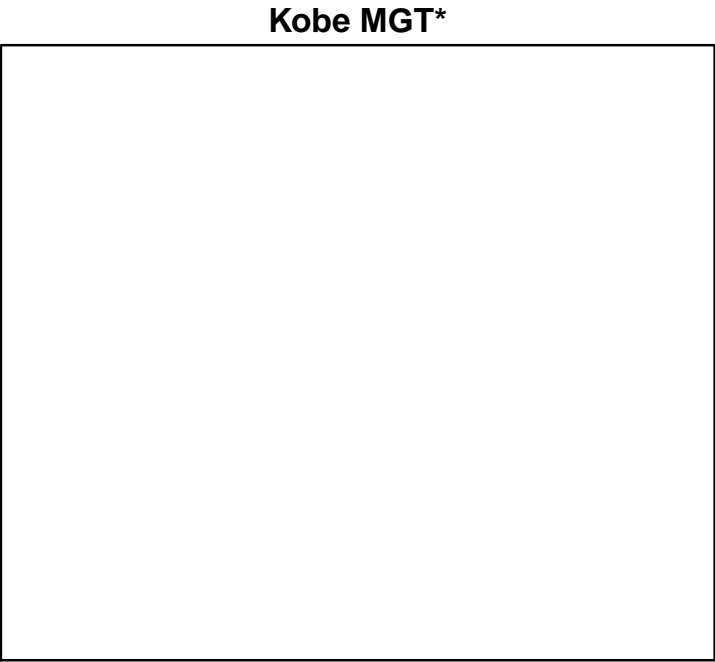
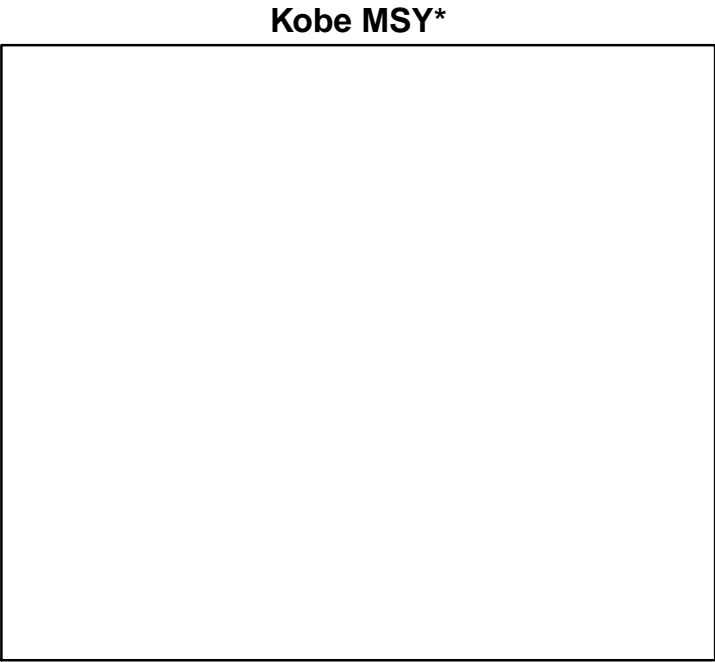


Snapper Northern Spencer Gulf [SNAPSAUSNSG]

Metadata	
Scientific Name	Chrysophrys auratus
Current Assess ID	SARDI-SNAPSAUSNSG-1983-2010-BANOBI
Area	Northern Spencer Gulf
Management Authority	South Australian Research and Development Institute
Assessor	South Australian Research and Development Institute
Asmts in RAM	2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.05
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

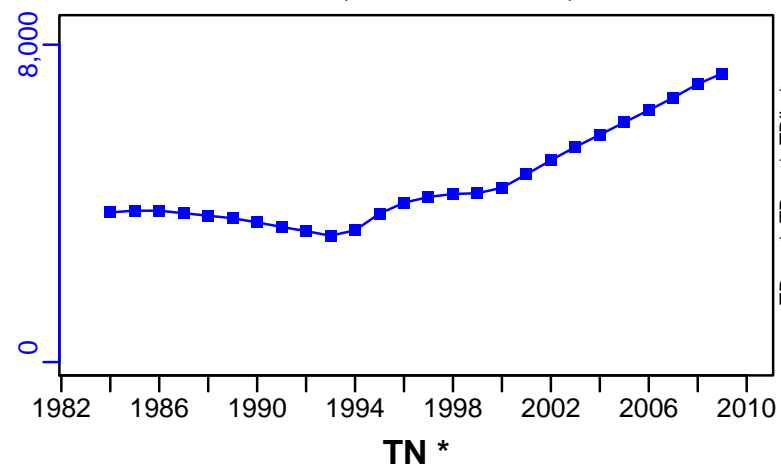
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2010	6920	-	-
SSB	SSB-relative	2010	0.246	-	-
TN	-	-	-	-	-
R	R-E00	2010	52,200	-	-
F	-	-	-	-	-
ER	ER-ratio	2010	0.047	-	-
TC	-	-	-		
TL	TL-MT	2010	183		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



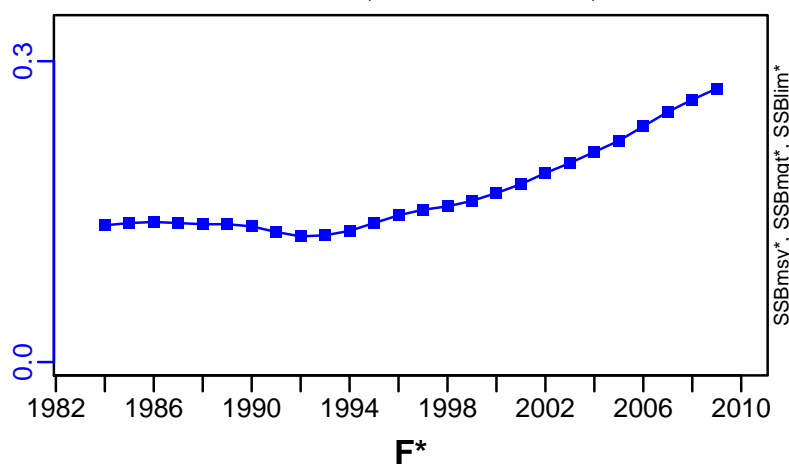
◆ Start Year ◆ End Year * No Data

Snapper Northern Spencer Gulf [SNAPSAUSNSG]

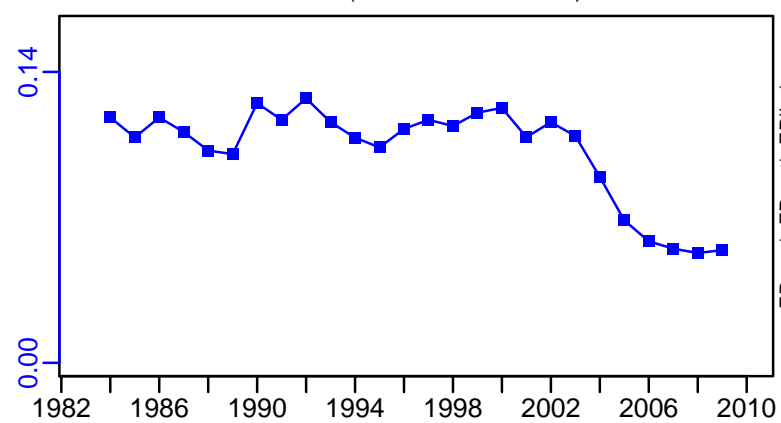
TB-MT (1983–2010–BANOB1)



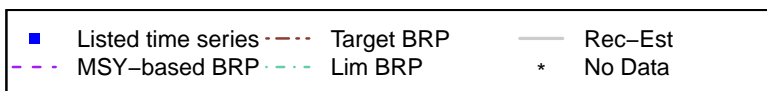
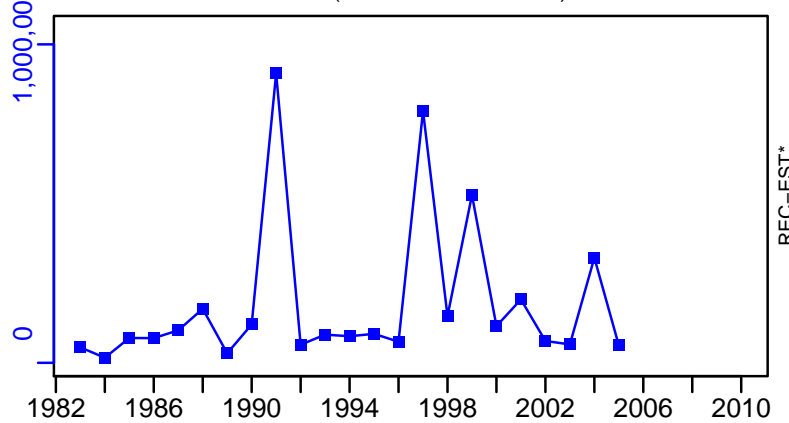
SSB-relative (1983–2010–BANOB1)



ER-ratio (1983–2010–BANOB1)

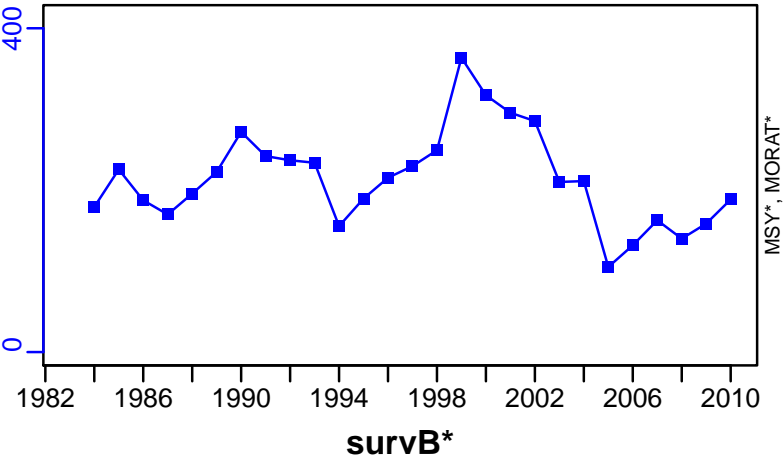


R-E00 (1983–2010–BANOB1)



Snapper Northern Spencer Gulf [SNAPSAUSNSG]

TL-MT, TC*, RecC* (1983-2010-BANOBI)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



CdivMSY*



Snapper Southern Gulf St. Vincent [SNAPSAUSSGSV]

Metadata	
Scientific Name	Chrysophrys auratus
Current Assess ID	SARDI-SNAPSAUSSGSV-1983-2010-BANOBI
Area	Southern Gulf St. Vincent
Management Authority	South Australian Research and Development Institute
Assessor	South Australian Research and Development Institute
Asmts in RAM	2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.05
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2010	2920	-	-
SSB	SSB-relative	2010	0.287	-	-
TN	-	-	-	-	-
R	R-E00	2010	39,700	-	-
F	-	-	-	-	-
ER	ER-ratio	2010	0.098	-	-
TC	-	-	-		
TL	TL-MT	2010	419		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

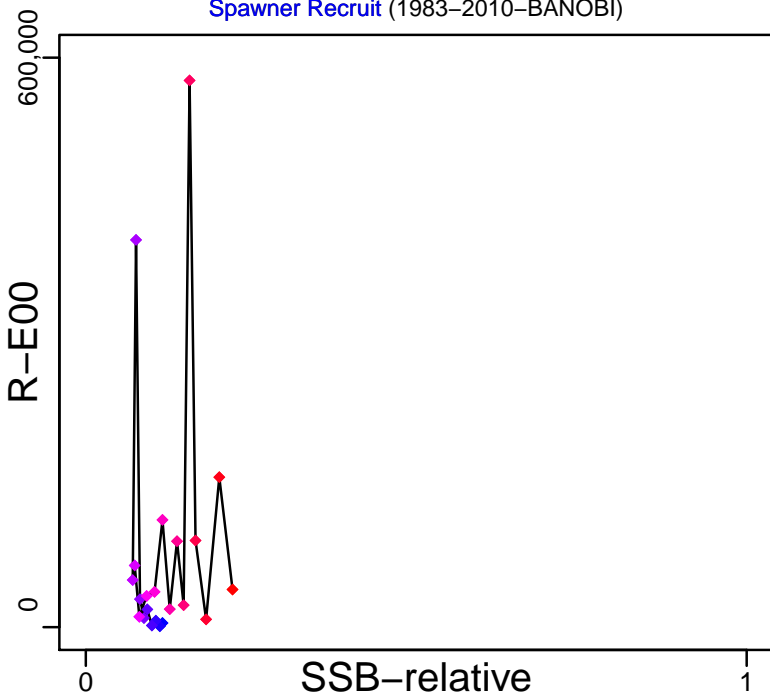
Kobe MSY*



Kobe MGT*



Spawner Recruit (1983–2010–BANOB)



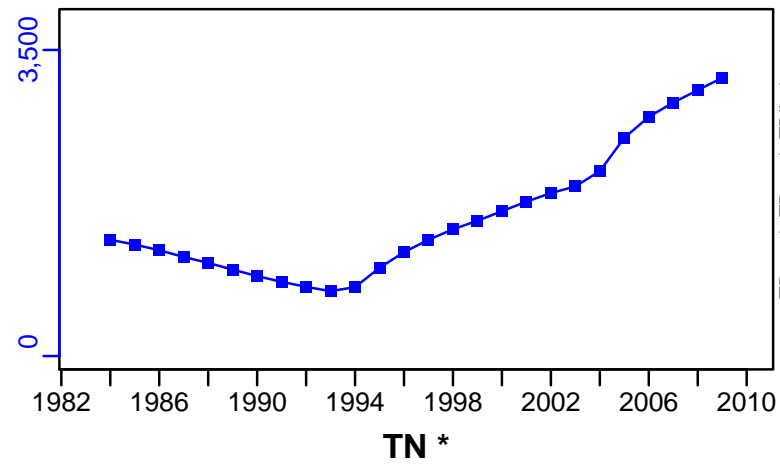
Production*



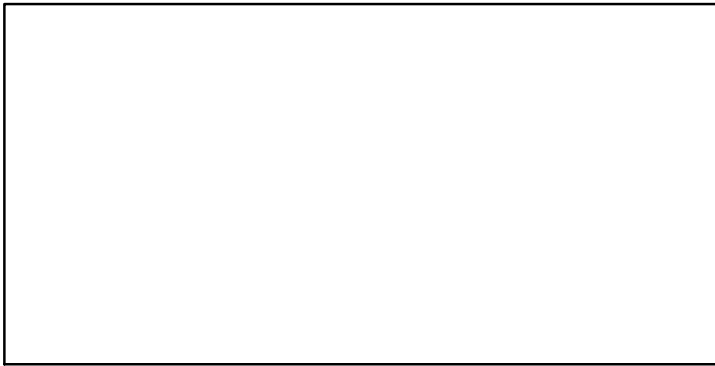
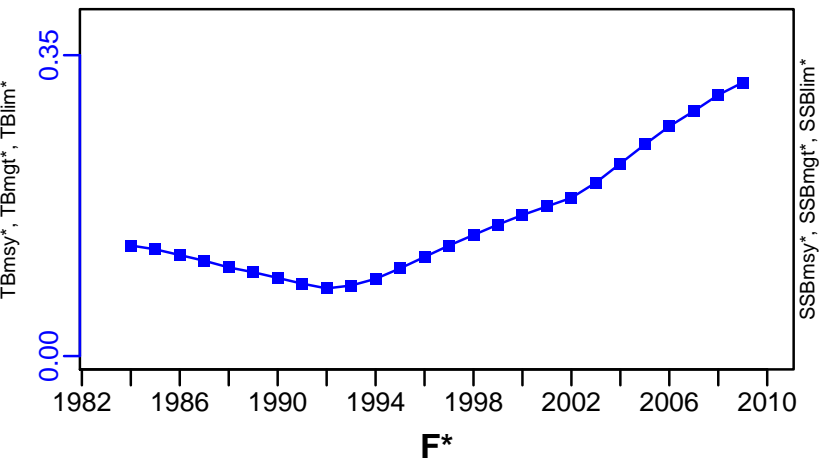
◆ Start Year ◆ End Year * No Data

Snapper Southern Gulf St. Vincent [SNAPSAUSSGSV]

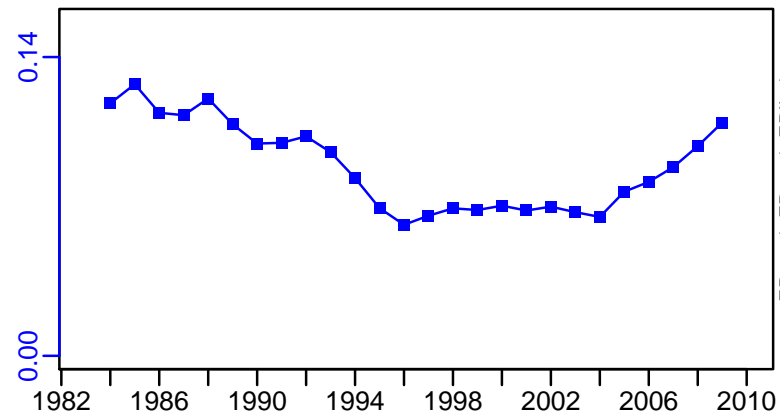
TB-MT (1983–2010–BANOB)



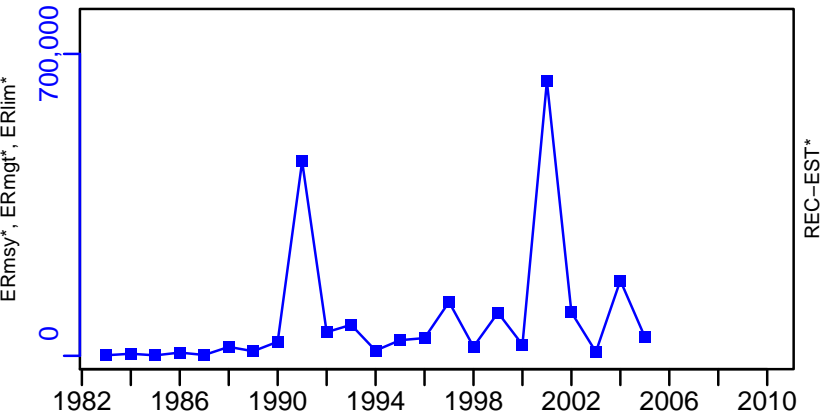
SSB-relative (1983–2010–BANOB)



ER-ratio (1983–2010–BANOB)



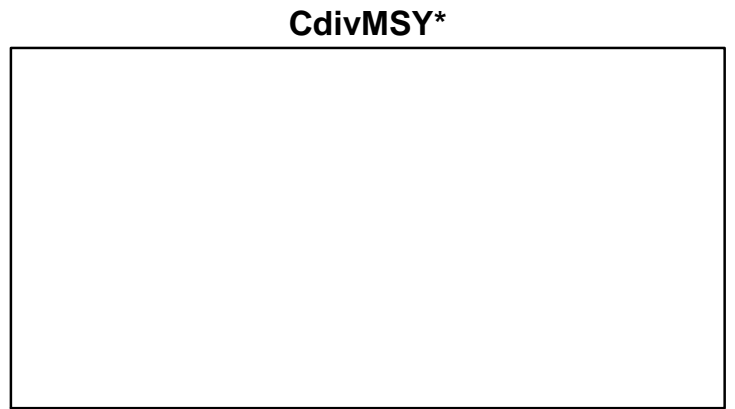
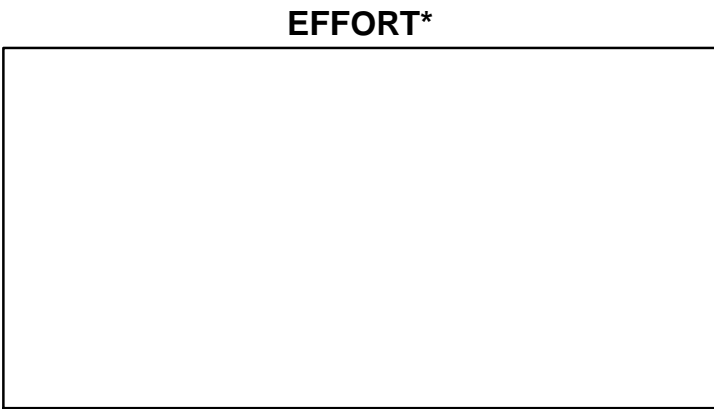
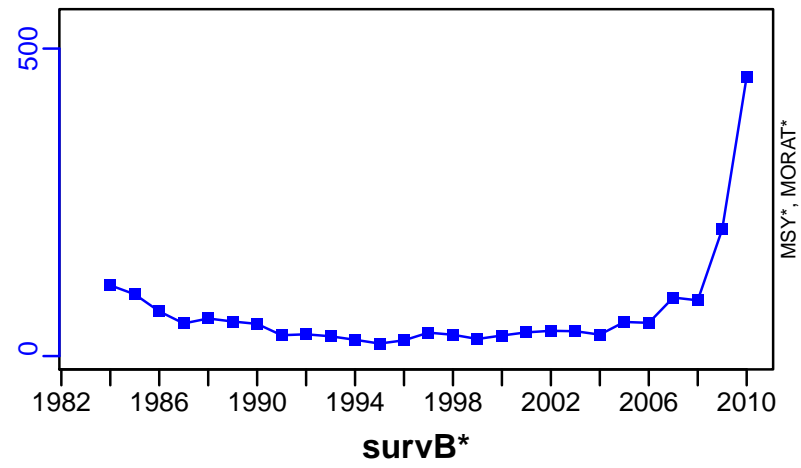
R-E00 (1983–2010–BANOB)



Snapper Southern Gulf St. Vincent [SNAPSAUSSGSV]

TL-MT, TC*, RecC* (1983-2010-BANOBI)

TAC*, Cpair*, Cadv*



Snapper Southern Spencer Gulf [SNAPSAUSSSG]

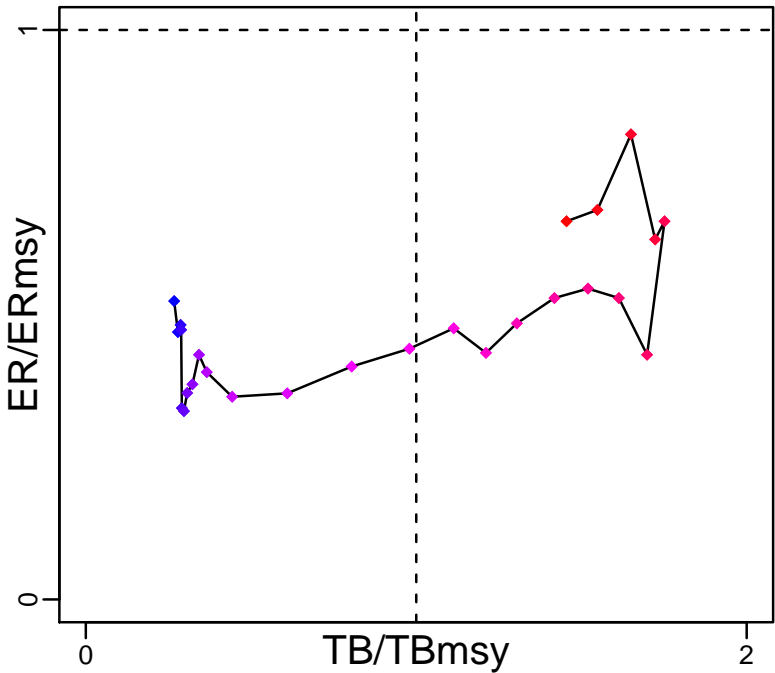
Metadata	
Scientific Name	Chrysophrys auratus
Current Assess ID	SARDI-SNAPSAUSSSG-1984-2010-BANOBI
Area	Southern Spencer Gulf
Management Authority	South Australian Research and Development Institute
Assessor	South Australian Research and Development Institute
Asmts in RAM	2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2010	2461
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2010	0.151
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2010	371
M	M-1/yr	2010	0.05
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

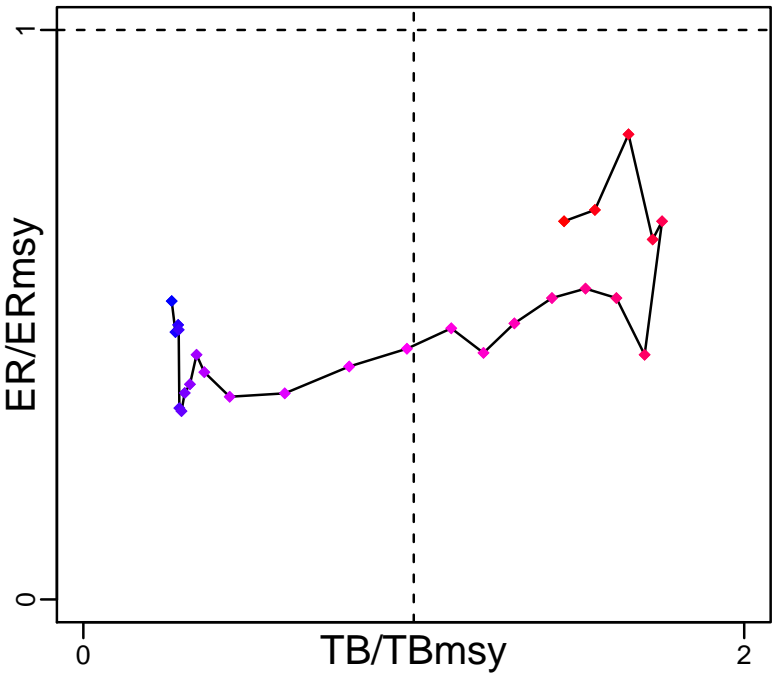
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2010	3580	-	-
SSB	SSB-relative	2010	0.205	-	-
TN	-	-	-	-	-
R	R-E00	2010	5070	-	-
F	-	-	-	-	-
ER	ER-ratio	2010	0.1	-	-
TC	-	-	-		
TL	TL-MT	2010	61		
TB/TBmsy	TB-MT/TBmsy-est-MT	2010	1.455		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-est-ratio	2010	0.664		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Snapper Southern Spencer Gulf [SNAPSAUSSSG]

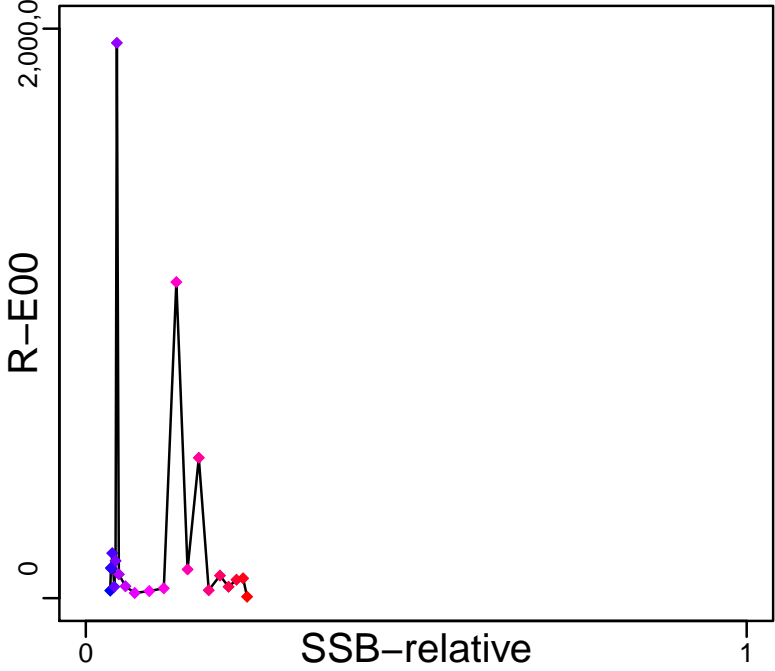
Kobe MSYpref (1984–2010–BANOB1)



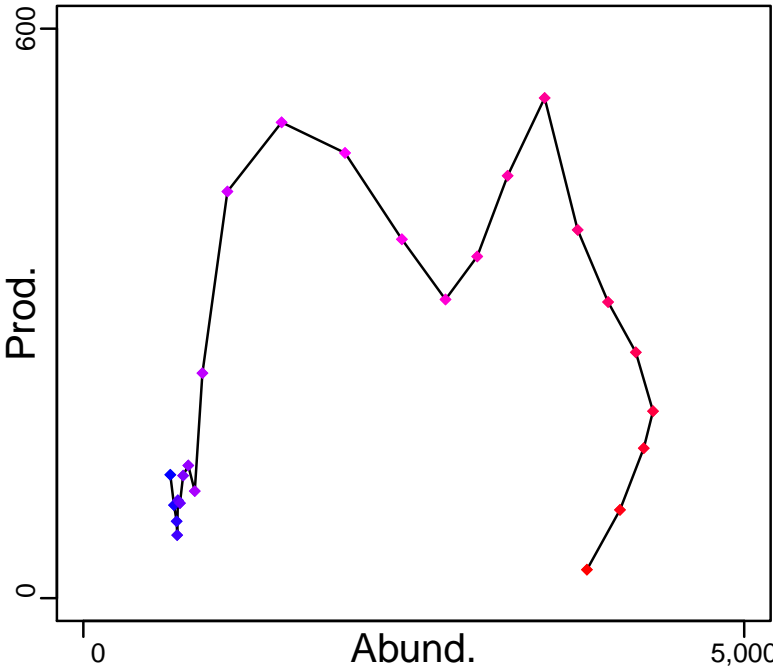
Kobe MGTpref (1984–2010–BANOB1)



Spawner Recruit (1984–2010–BANOB1)



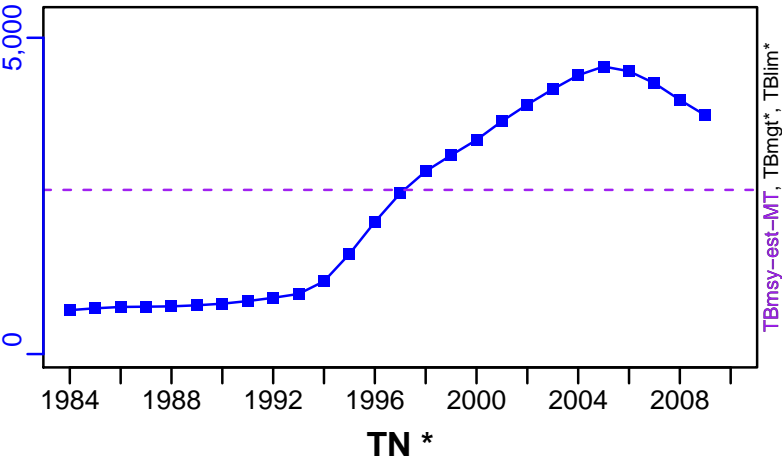
Production (1984–2010–BANOB1)



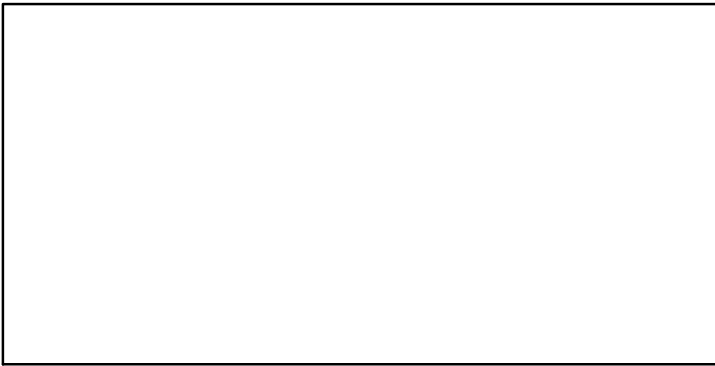
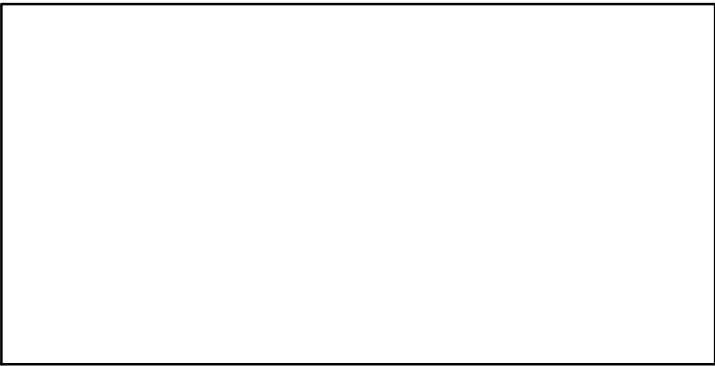
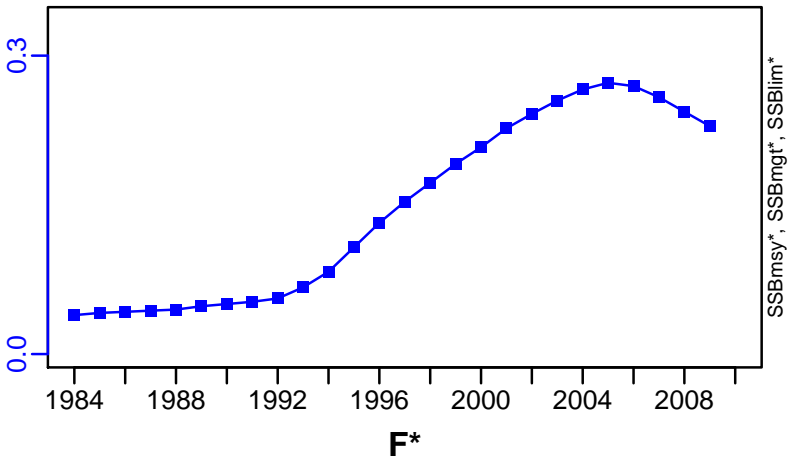
◆ Start Year ◆ End Year * No Data

Snapper Southern Spencer Gulf [SNAPSAUSSSG]

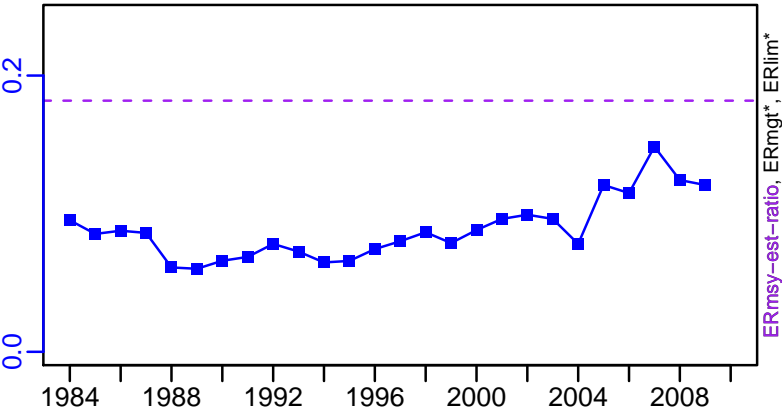
TB-MT (1984-2010-BANOBI)



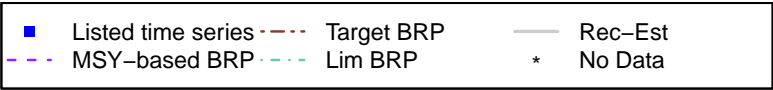
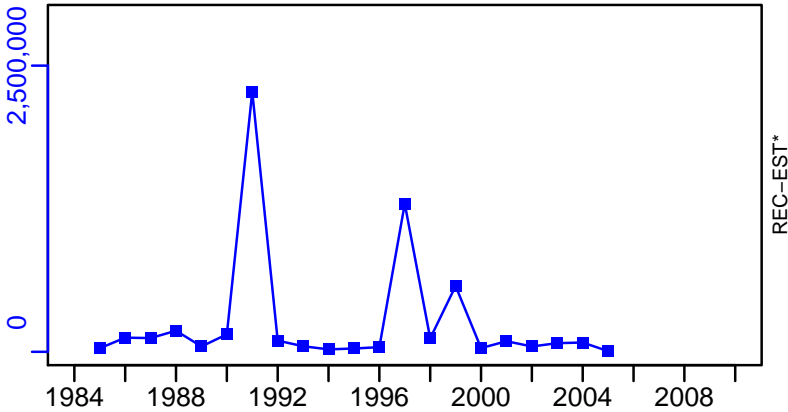
SSB-relative (1984-2010-BANOBI)



ER-ratio (1984-2010-BANOBI)

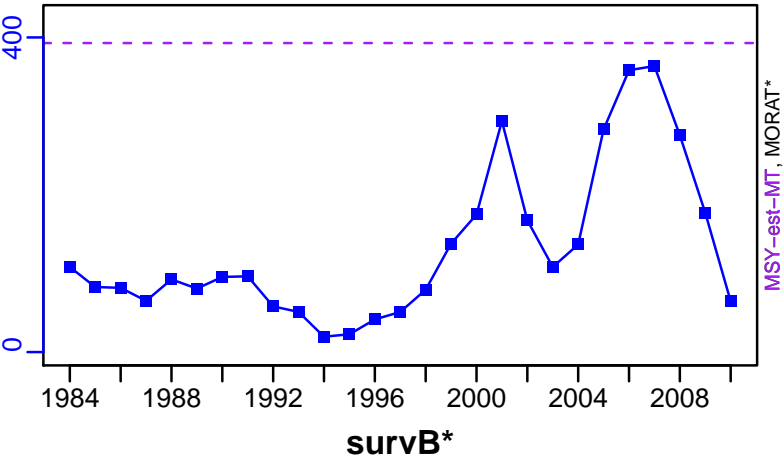


R-E00 (1984-2010-BANOBI)



Snapper Southern Spencer Gulf [SNAPSAUSSSG]

TL-MT, TC*, RecC* (1984-2010-BANOBI)



TAC*, Cpair*, Cadv*



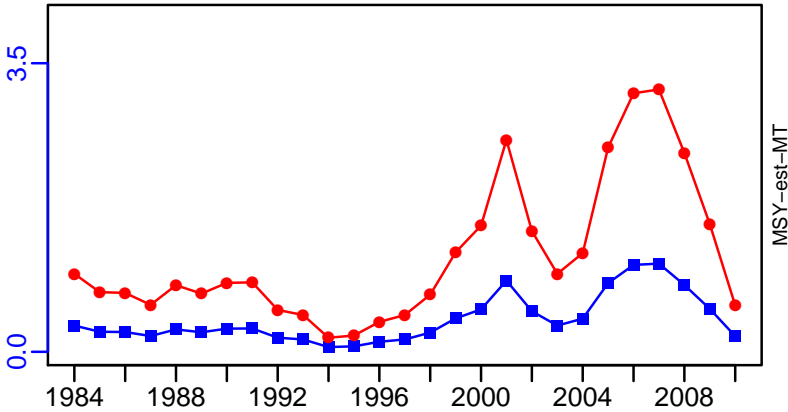
CPUE*



EFFORT*



TL-MT/MSY-est-MT, CdivMEANC-ratio, (1984-2010-BANOBI)



School whiting Southeast Australia [SWHITSE]

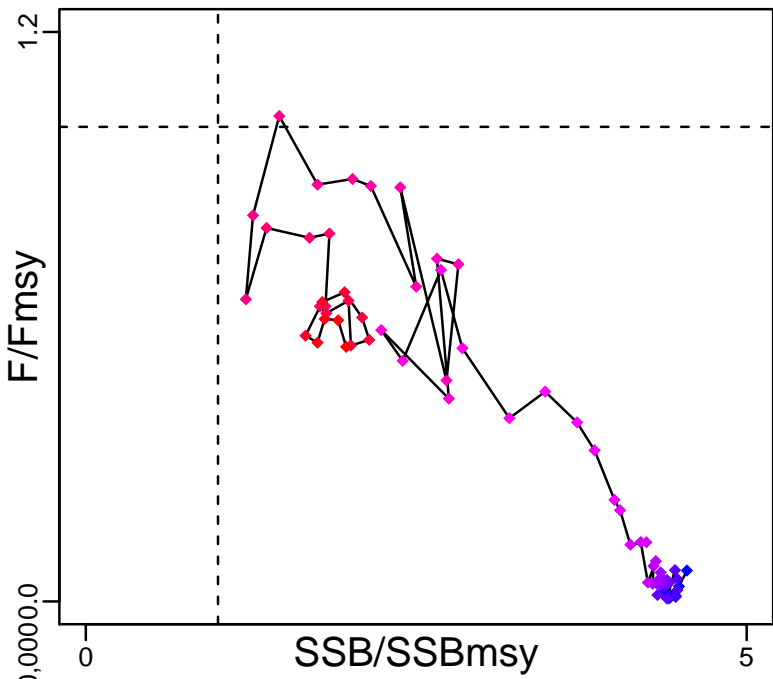
Metadata	
Scientific Name	Sillago flindersi
Current Assess ID	CSIRO-SWHITSE-1947-2016-MOESENER
Area	Southeast Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2007, 2008, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2016	1660
Fmsy	Fmsy-1/yr	2016	0.339
ERmsy	ERmsy-conv-ratio	2016	0.563
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	3622
Fmgt	Fmgt-1/yr	2016	0.199
ERmgt	-	-	-
TB0	TB0-MT	2016	13,702
SSB0	SSB0-MT	2016	7547
MSY	MSY-MT	2016	2070
M	M-1/yr	2016	0.593
TBlim	TBlim-MT	2007	1556
SSBlim	SSBlim-MT	2016	1509
Flim	-	-	-
ERlim	-	-	-

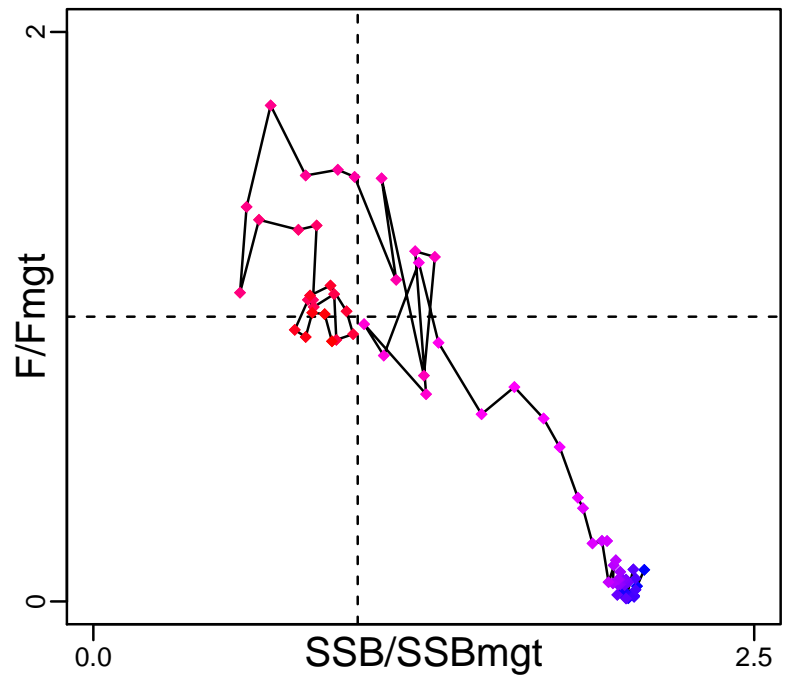
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	8610	-	-
SSB	SSB-MT	2016	3270	-	-
TN	-	-	-	-	-
R	R-E00	2016	2.46×10^{14}	-	-
F	F-1/yr	2016	0.182	-	-
ER	ER-ratio	2016	0.181	-	-
TC	-	-	-		
TL	TL-MT	2016	1440		
TB/TBmsy	TB-MT/(TB0-MT*0.368)	2016	1.708		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2016	1.97		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.536		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2016	0.321		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.903		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.914		
ER/ERmgt	-	-	-		

School whiting Southeast Australia [SWHITSE]

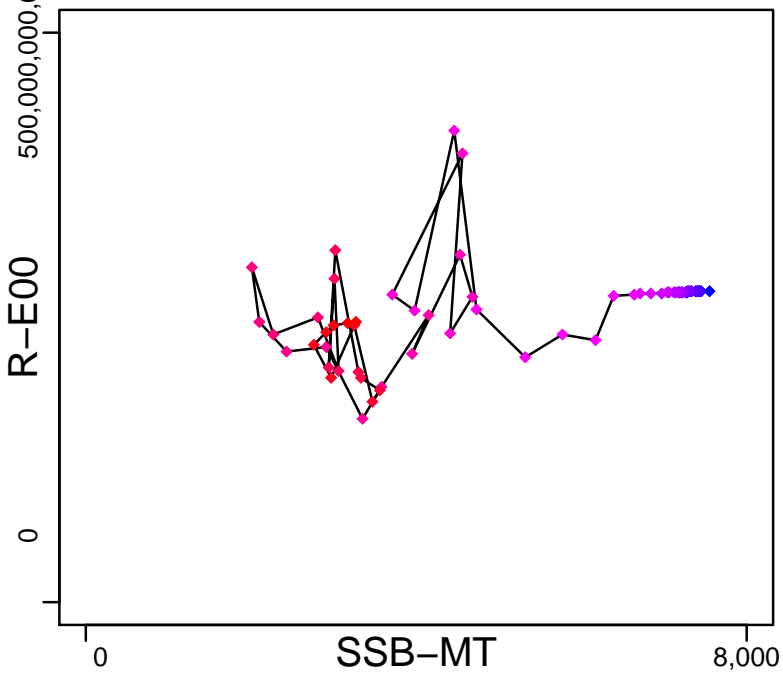
Kobe MSYpref (1947–2016–MOESENEDER)



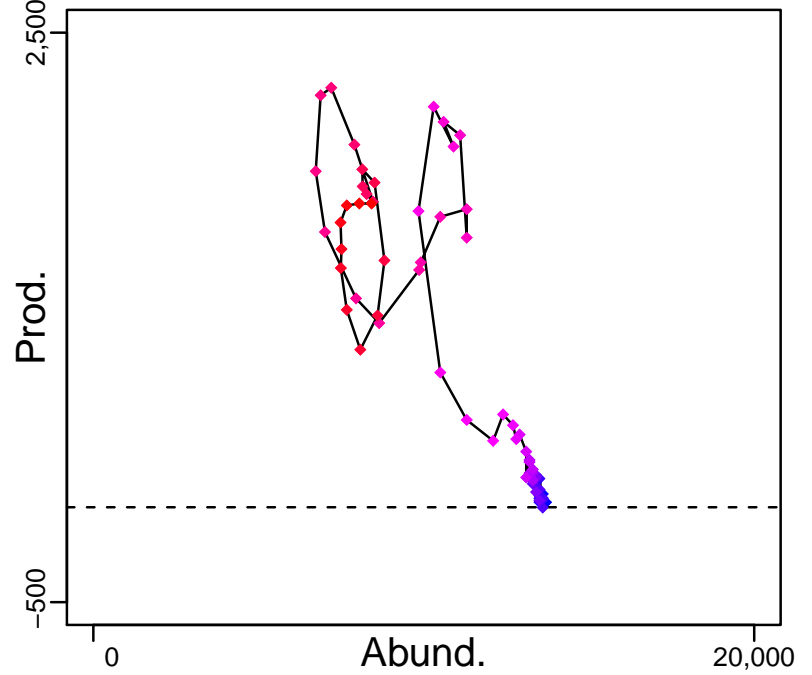
Kobe MGTpref (1947–2016–MOESENEDER)



Spawner Recruit (1947–2016–MOESENEDER)



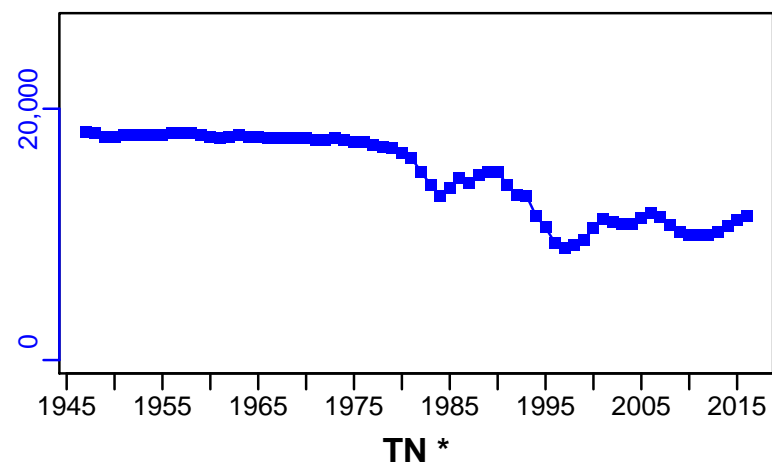
Production (1947–2016–MOESENEDER)



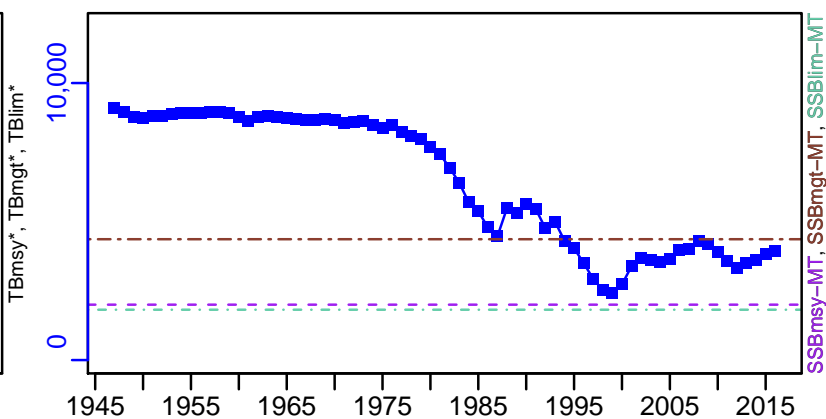
◆ Start Year ◆ End Year * No Data

School whiting Southeast Australia [SWHITSE]

TB-MT (1947-2016-MOESENER)



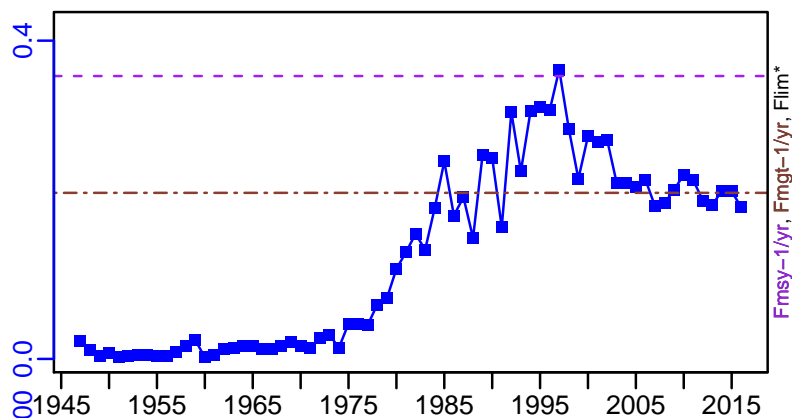
SSB-MT (1947-2016-MOESENER)



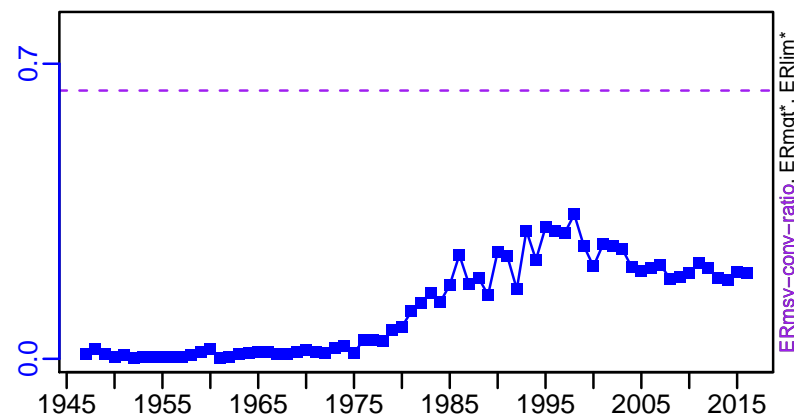
TN *



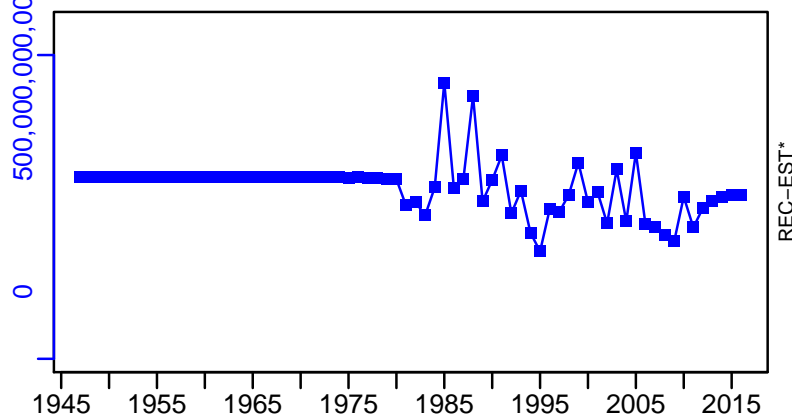
F-1/yr (1947-2016-MOESENER)



ER-ratio (1947-2016-MOESENER)

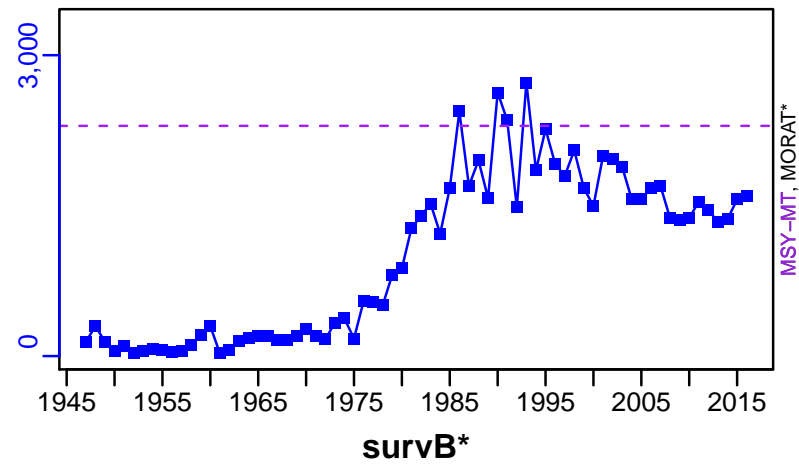


R-E00 (1947-2016-MOESENER)



School whiting Southeast Australia [SWHITSE]

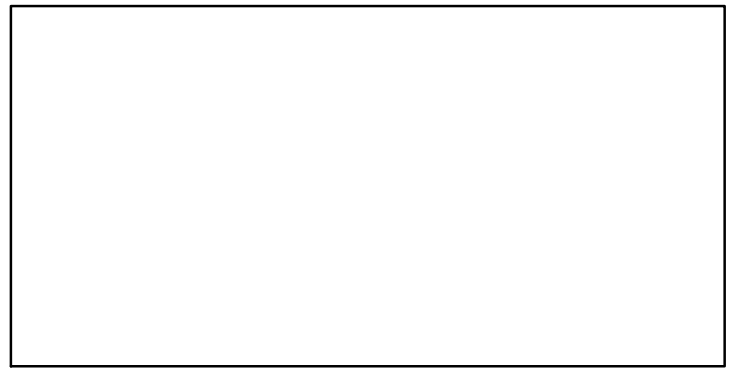
TL-MT, TC*, RecC* (1947-2016-MOESENER)



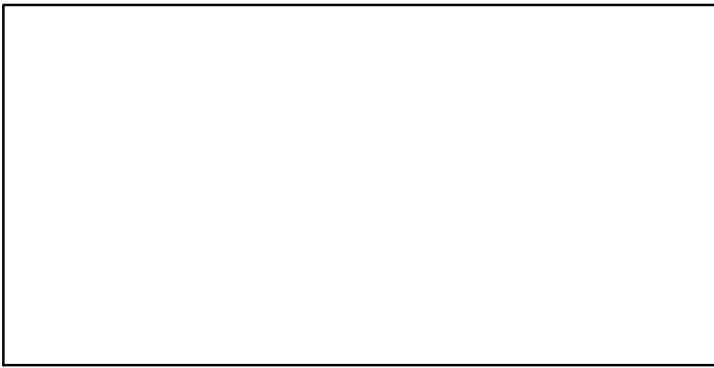
TAC*, Cpair*, Cadv*



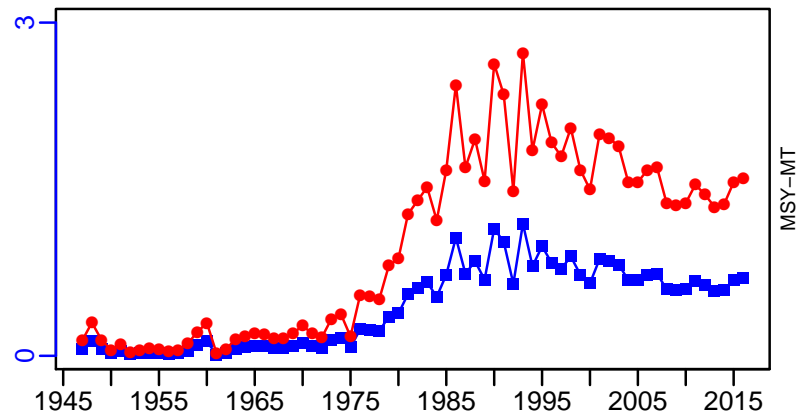
CPUE*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1947-2016-MOESENER)



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

Tasmanian giant crab Tasmania [TASGIANTCRABTAS]

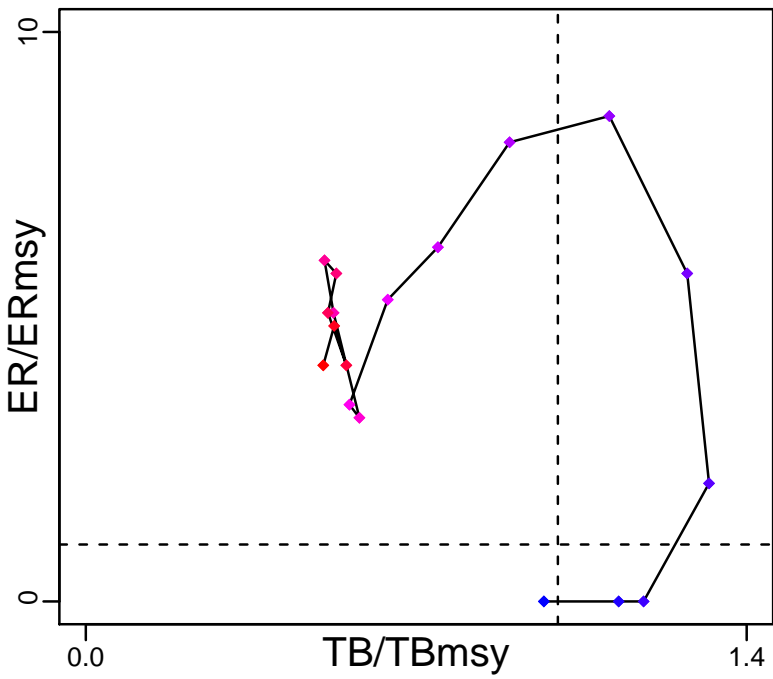
Metadata	
Scientific Name	Pseudocarcinus gigas
Current Assess ID	TAFI-TASGIANTCRABTAS-1990-2007-JENSEN
Area	Tasmania
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Tasmanian Aquaculture and Fisheries Institute
Asmts in RAM	2007

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2007	1515
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2007	0.043
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2007	66
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

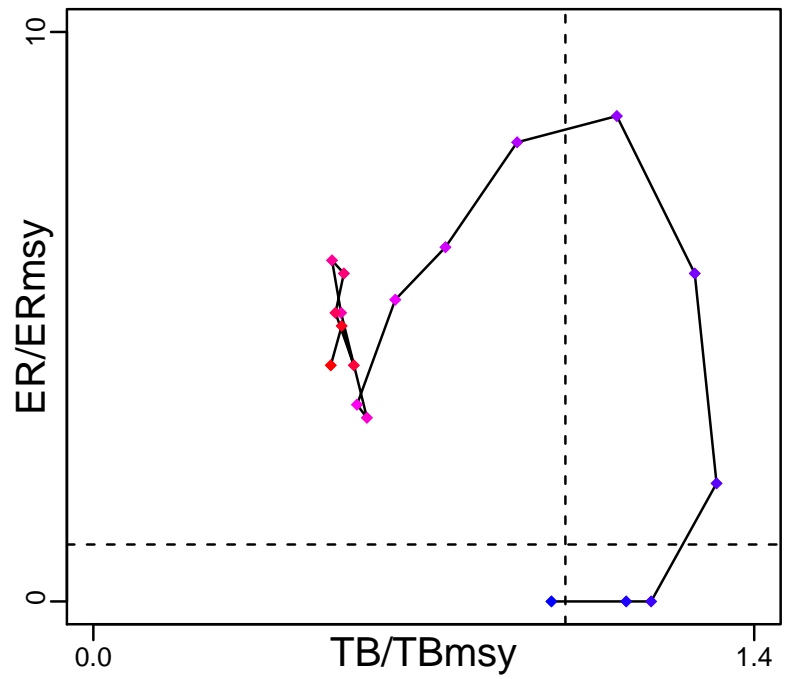
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2007	762	-	-
SSB	SSB-E00eggs	2007	143,000	-	-
TN	-	-	-	-	-
R	R-E00	2007	180,000	-	-
F	-	-	-	-	-
ER	ER-ratio	2007	0.18	-	-
TC	TC-MT	2007	57		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-est-MT	2007	0.503		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-est-ratio	2007	4.147		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Tasmanian giant crab Tasmania [TASGIANTCRABTAS]

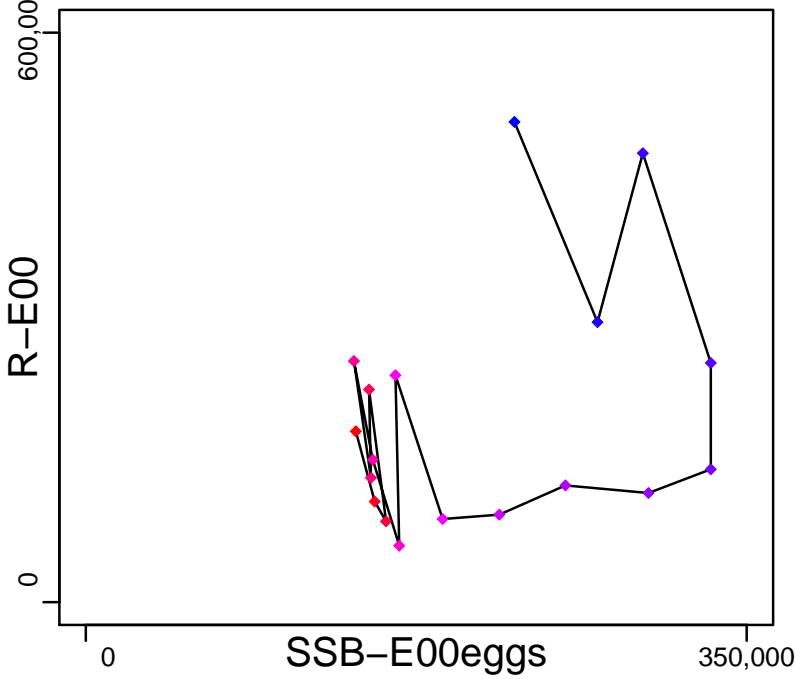
Kobe MSYpref (1990–2007–JENSEN)



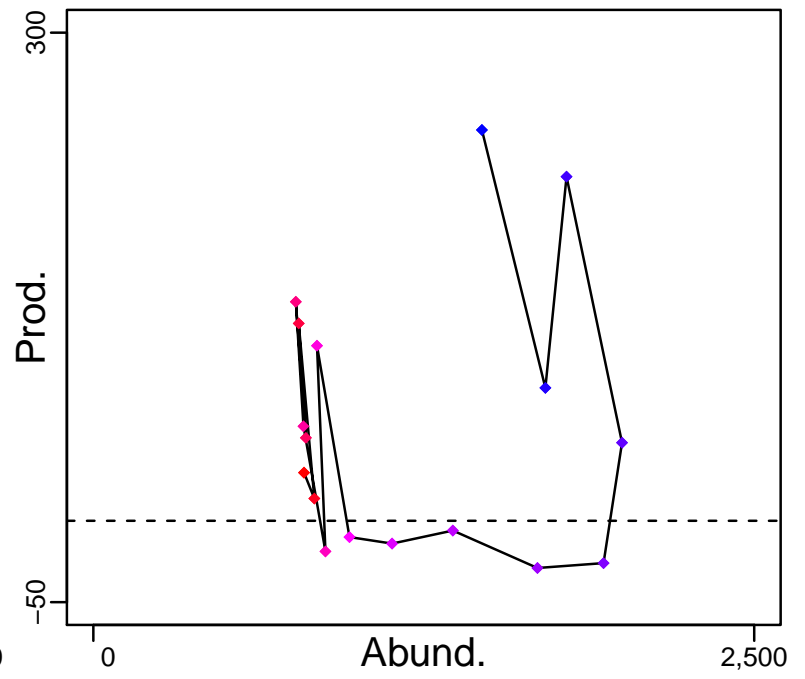
Kobe MGTpref (1990–2007–JENSEN)



Spawner Recruit (1990–2007–JENSEN)



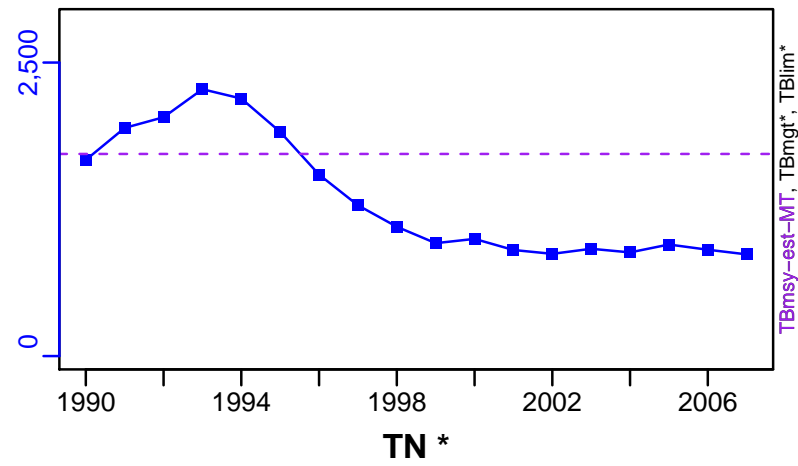
Production (1990–2007–JENSEN)



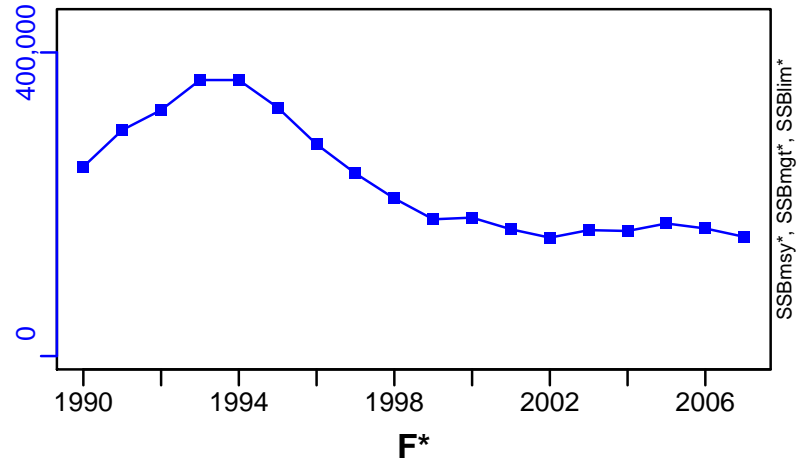
◆ Start Year ◆ End Year * No Data

Tasmanian giant crab Tasmania [TASGIANTCRABTAS]

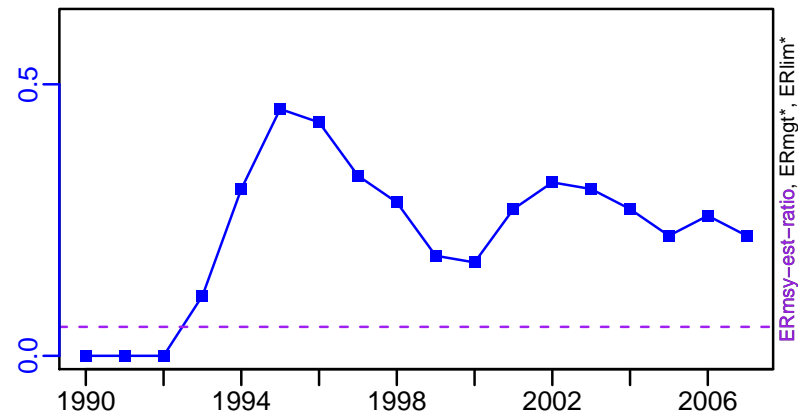
TB-MT (1990-2007-JENSEN)



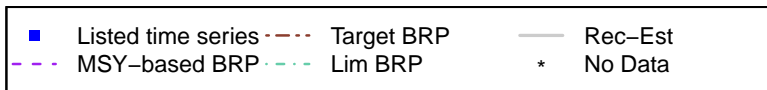
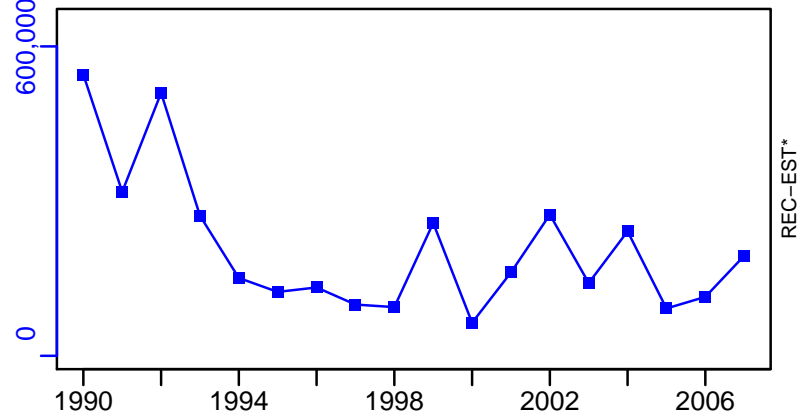
SSB-E00eggs (1990-2007-JENSEN)



ER-ratio (1990-2007-JENSEN)



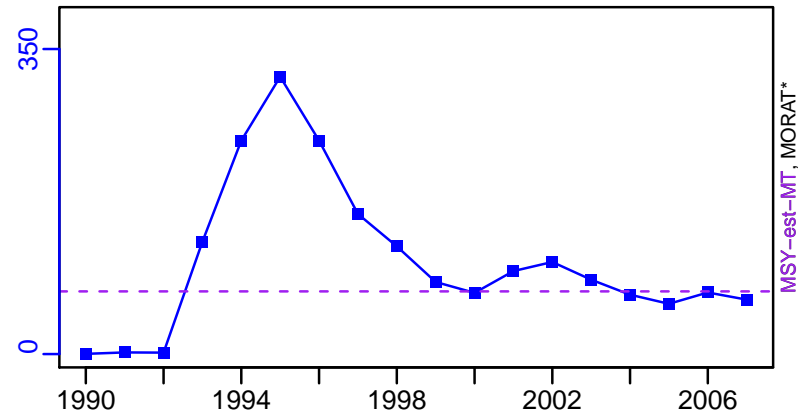
R-E00 (1990-2007-JENSEN)



Tasmanian giant crab Tasmania [TASGIANTCRABTAS]

TC-MT, TL*, RecC* (1990-2007-JENSEN)

TAC*, Cpair*, Cadv*



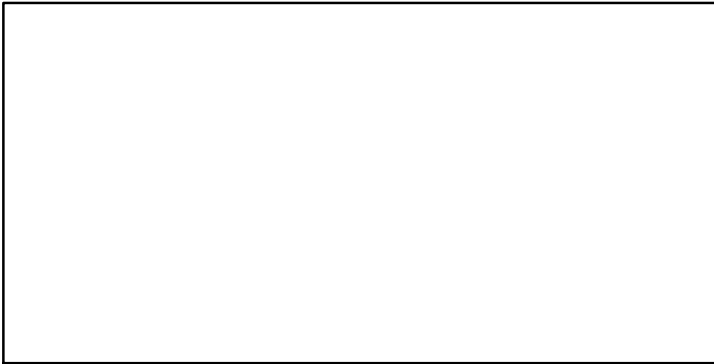
survB*



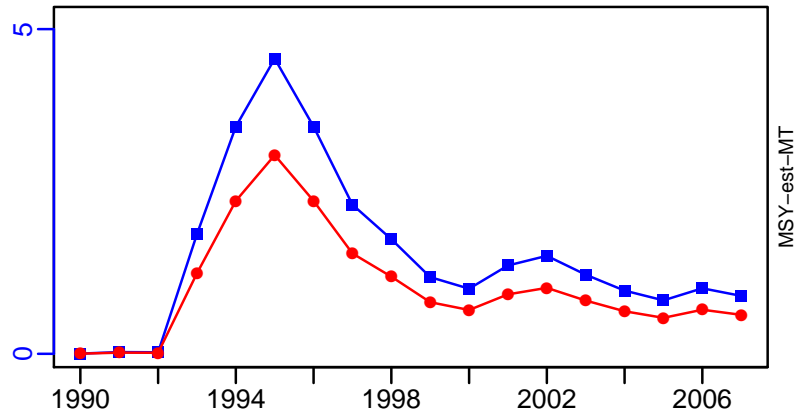
CPUE*



EFFORT*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (1990-2007-JENSEN)



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

Tiger flathead Southeast Australia [TIGERFLATSE]

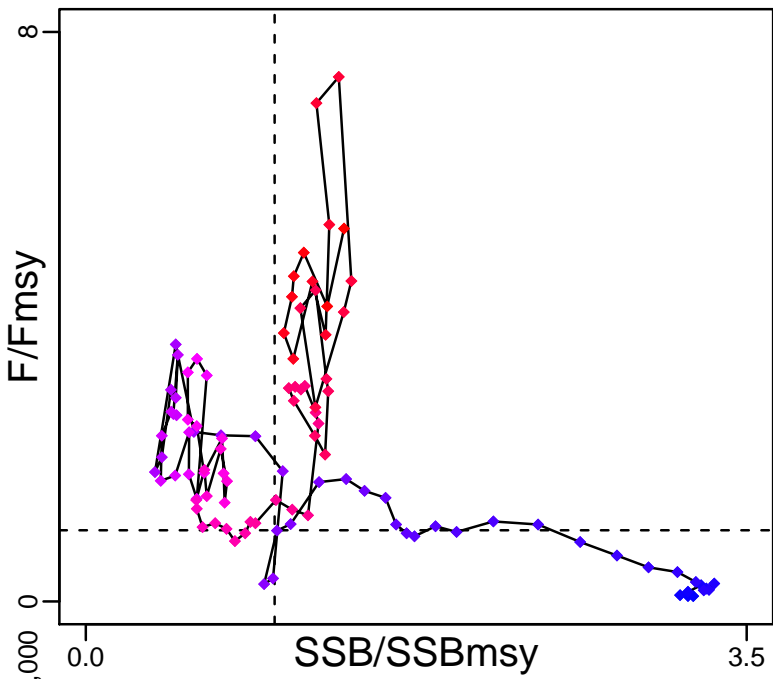
Metadata	
Scientific Name	Neoplatycephalus richardsoni
Current Assess ID	CSIRO-TIGERFLATSE-1915-2015-MOESENER
Area	Southeast Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2006, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	7181
Fmsy	Fmsy-1/yr	2015	0.163
ERmsy	ERmsy-conv-ratio	2015	0.164
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2015	9240
Fmgt	Fmgt-1/yr	2015	0.754
ERmgt	-	-	-
TB0	TB0-MT	2015	45,431
SSB0	SSB0-MT	2015	23,100
MSY	MSY-MT	2015	2854
M	M-1/yr	2015	0.27
TBlim	TBlim-MT	2006	2546
SSBlim	SSBlim-MT	2015	4620
Flim	-	-	-
ERlim	-	-	-

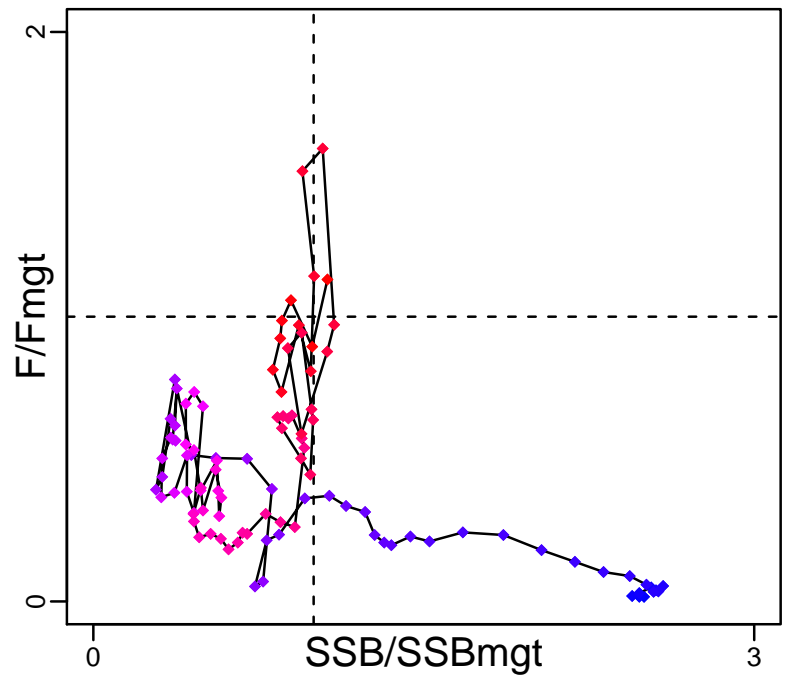
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	23,400	-	-
SSB	SSB-MT	2015	9820	-	-
TN	-	-	-	-	-
R	R-E00	2015	1.72×10^{13}	-	-
F	F-1/yr	2015	0.853	-	-
ER	ER-ratio	2015	0.14	-	-
TC	-	-	-		
TL	TL-MT	2015	3070		
TB/TBmsy	TB-MT/(TB0-MT*0.368)	2015	1.4		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.368		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	5.238		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2015	0.851		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	1.063		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	1.131		
ER/ERmgt	-	-	-		

Tiger flathead Southeast Australia [TIGERFLATSE]

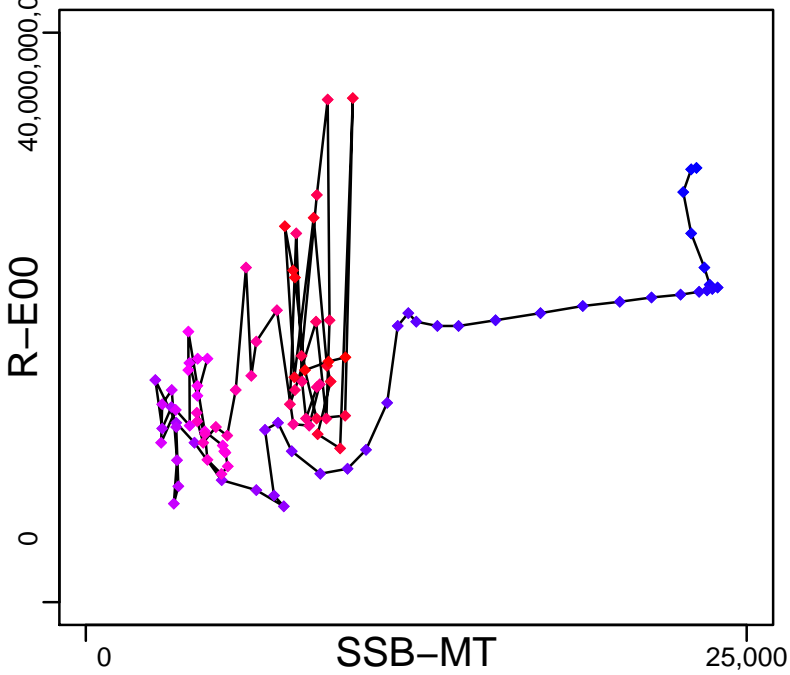
Kobe MSYpref (1915–2015–MOESENEDER)



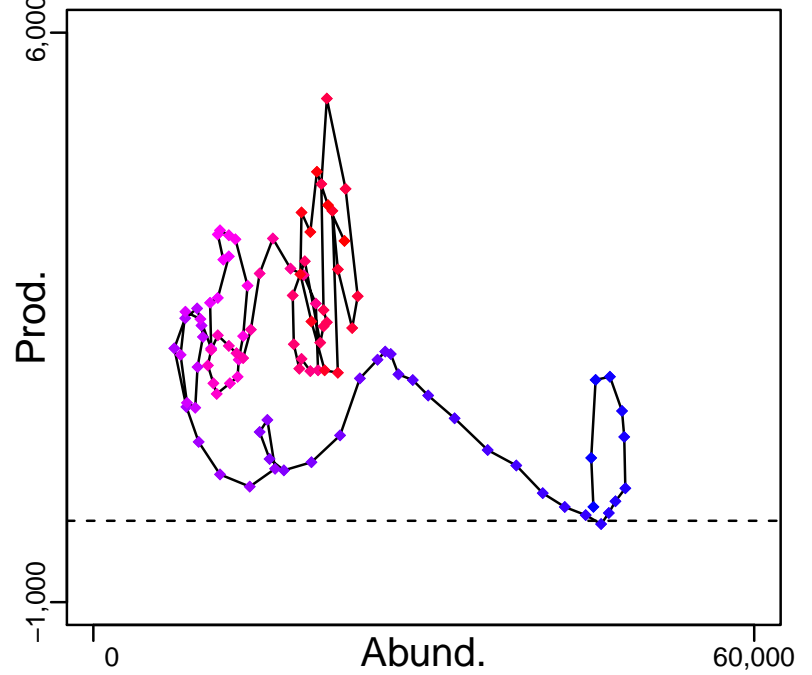
Kobe MGTpref (1915–2015–MOESENEDER)



Spawner Recruit (1915–2015–MOESENEDER)



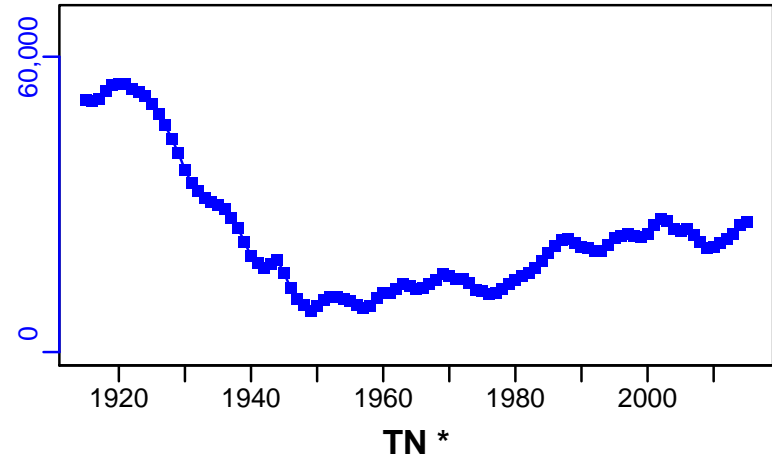
Production (1915–2015–MOESENEDER)



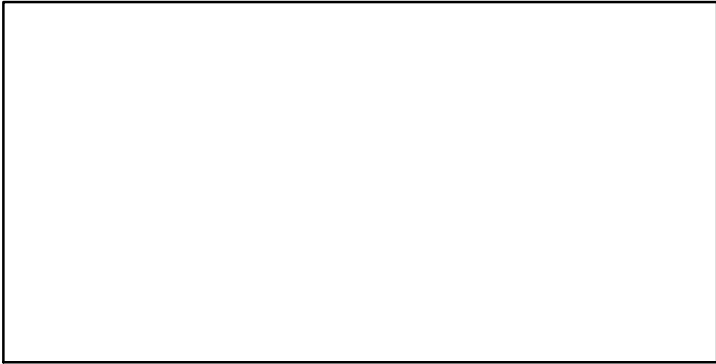
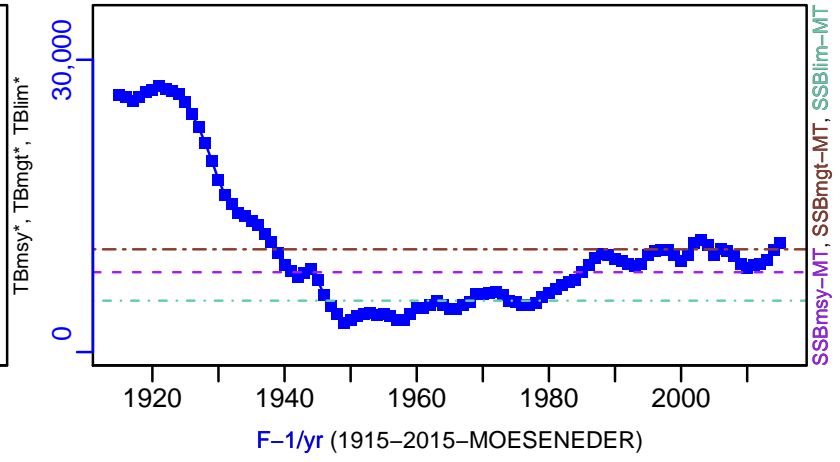
◆ Start Year ◆ End Year * No Data

Tiger flathead Southeast Australia [TIGERFLATSE]

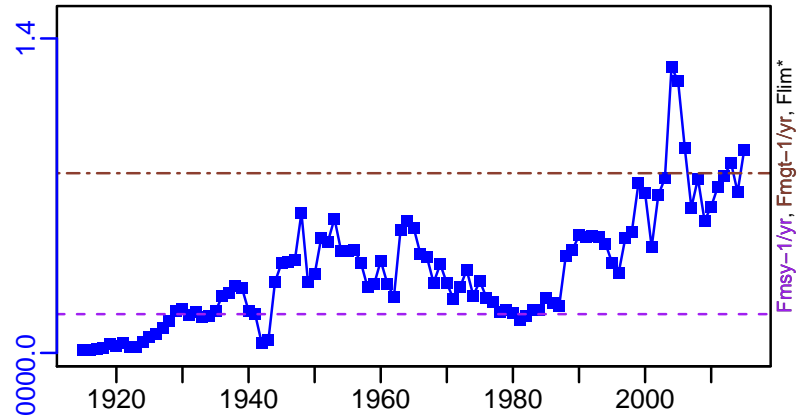
TB-MT (1915-2015-MOESENER)



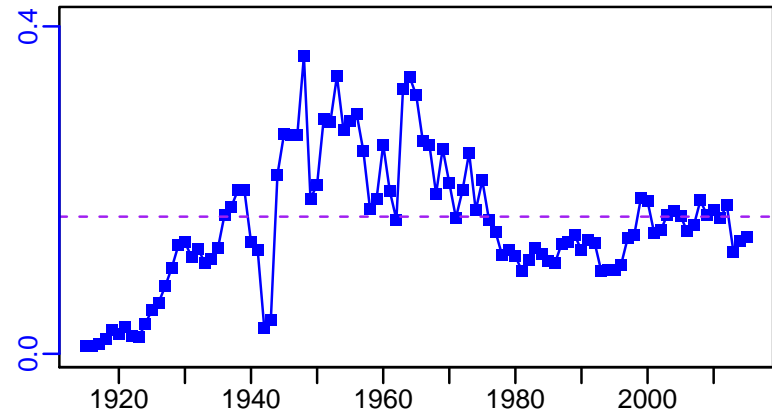
SSB-MT (1915-2015-MOESENER)



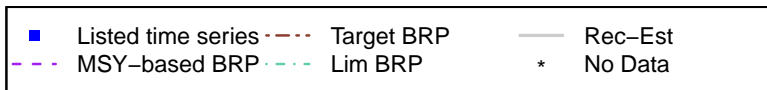
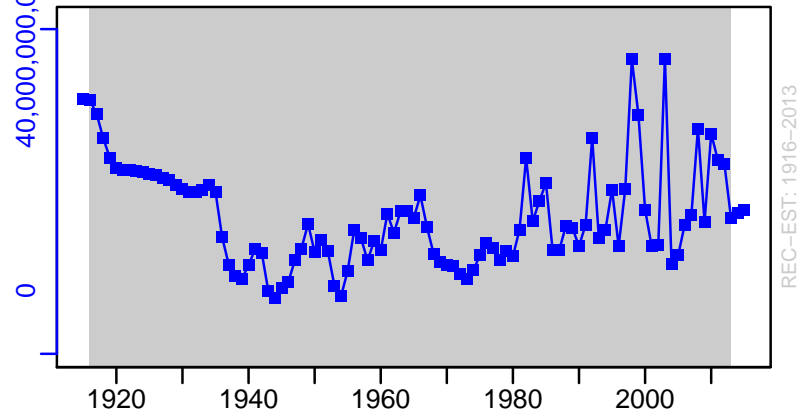
F-1/yr (1915-2015-MOESENER)



ER-ratio (1915-2015-MOESENER)



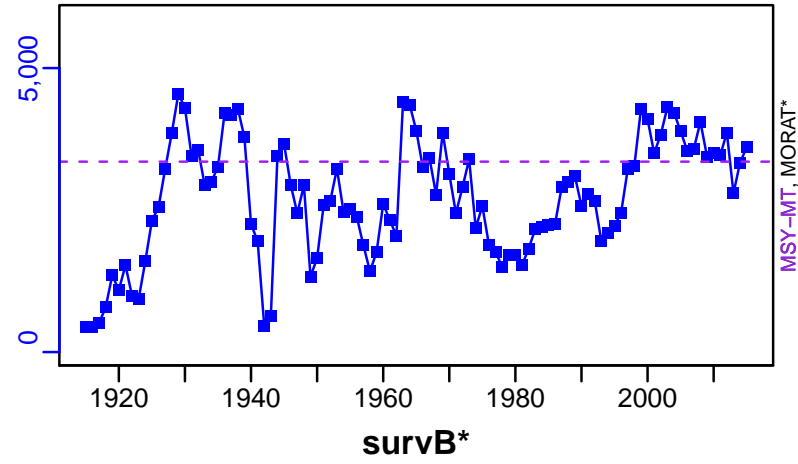
R-E00 (1915-2015-MOESENER)



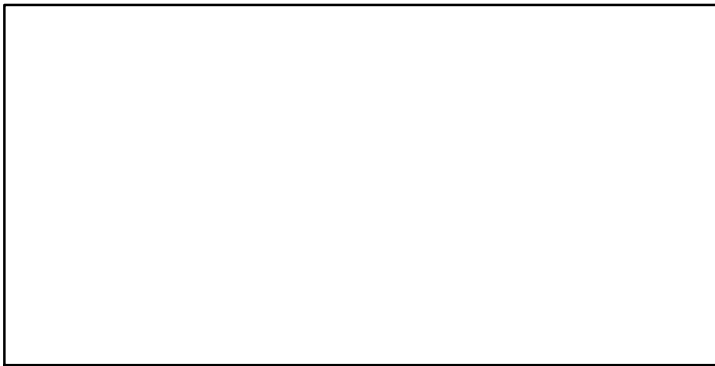
Tiger flathead Southeast Australia [TIGERFLATSE]

TL-MT, TC*, RecC* (1915-2015-MOESENER)

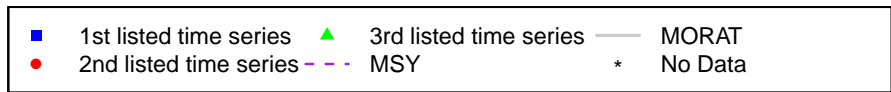
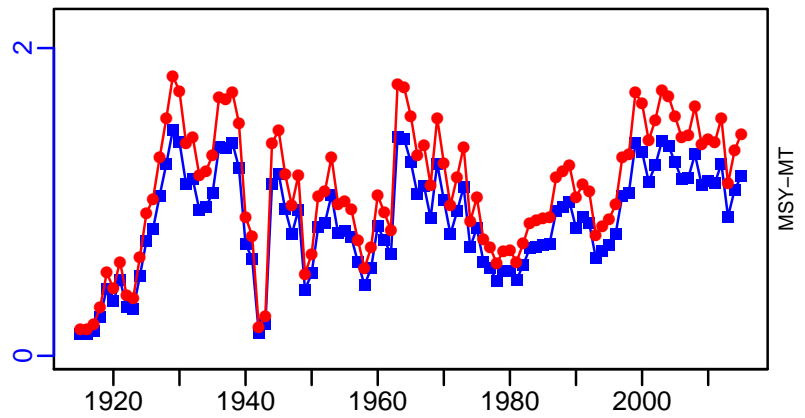
TAC*, Cpair*, Cadv*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1915-2015-MOESENER)



Blue warehou Eastern half of Southeast Australia [WAREHOUSE]

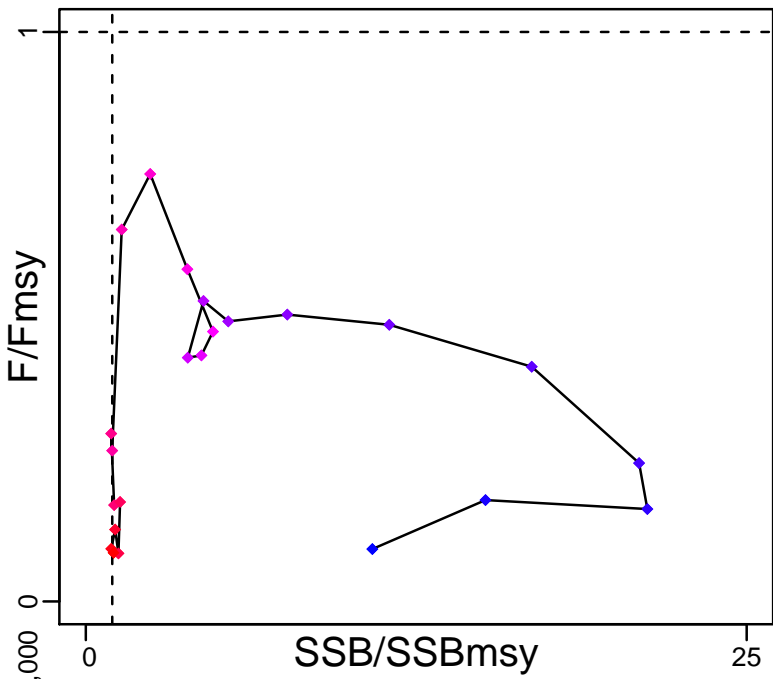
Metadata	
Scientific Name	Seriotelella brama
Current Assess ID	CSIRO-WAREHOUSE-1986-2008-MOESSENER
Area	Eastern half of Southeast Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2006, 2008

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2008	640
Fmsy	Fmsy-1/yr	2008	0.502
ERmsy	ERmsy-ratio	2006	0.17
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2008	2135
Fmgt	Fmgt-1/yr	2008	0.206
ERmgt	-	-	-
TB0	TB0-MT	2008	6058
SSB0	SSB0-MT	2008	4447
MSY	MSY-MT	2008	967
M	M-1/yr	2008	0.45
TBlim	TBlim-MT	2006	653
SSBlim	SSBlim-MT	2008	889
Flim	-	-	-
ERlim	-	-	-

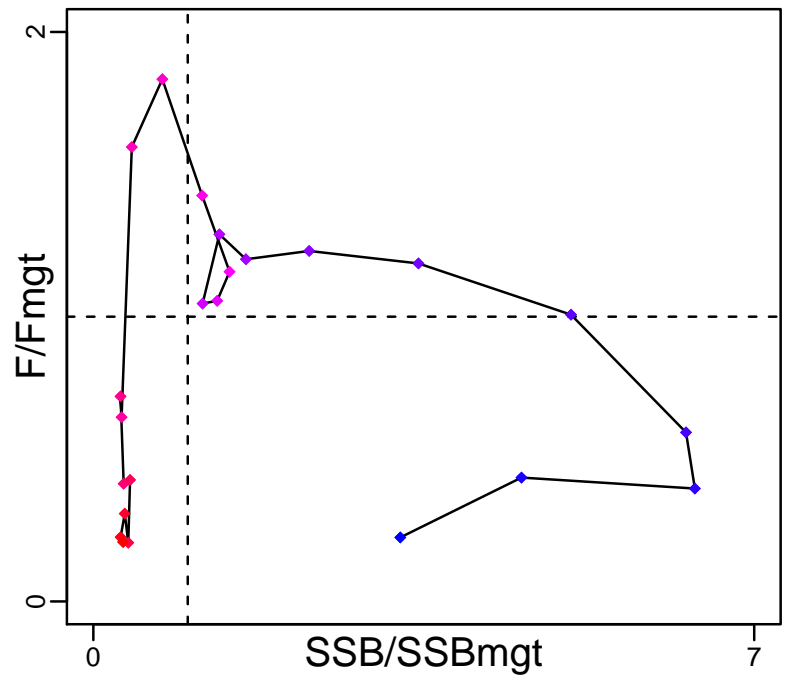
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2008	1680	-	-
SSB	SSB-MT	2008	673	-	-
TN	-	-	-	-	-
R	R-E00	2008	5.11×10^{12}	-	-
F	F-1/yr	2008	0.043	-	-
ER	ER-ratio	2008	0.036	-	-
TC	-	-	-		
TL	TL-MT	2008	59		
TB/TBmsy	TB-MT/(TB0-MT*0.368)	2008	0.754		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2008	1.051		
F/Fmsy	F-1/yr/Fmsy-1/yr	2008	0.085		
ER/ERmsy	ER-calc-ratio/ERmsy-ratio	2006	0.653		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2008	0.315		
F/Fmgt	F-1/yr/Fmgt-1/yr	2008	0.209		
ER/ERmgt	-	-	-		

Blue warehou Eastern half of Southeast Australia [WAREHOUSE]

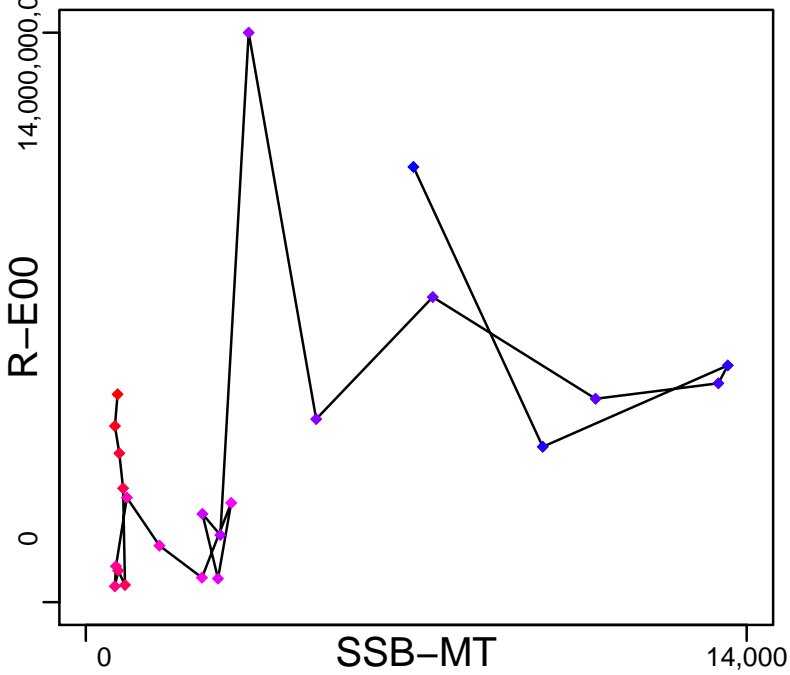
Kobe MSYpref (1986–2008–MOESENEDER)



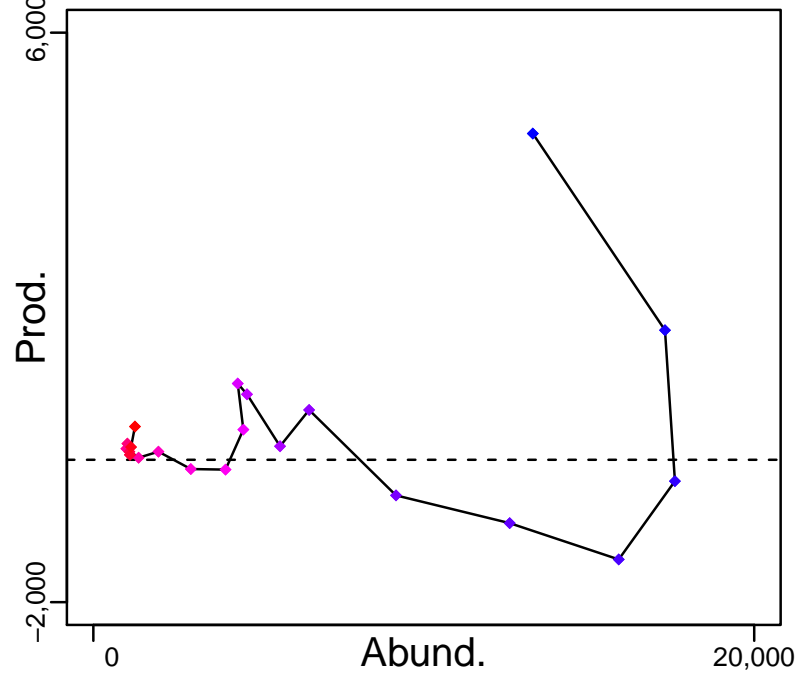
Kobe MGTpref (1986–2008–MOESENEDER)



Spawner Recruit (1986–2008–MOESENEDER)



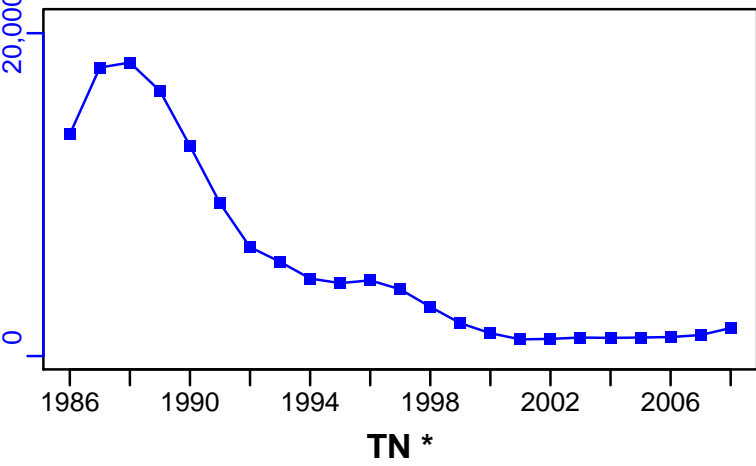
Production (1986–2008–MOESENEDER)



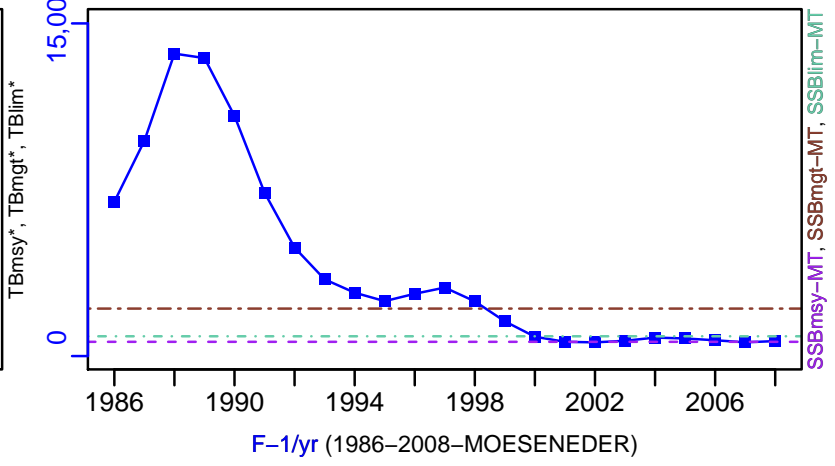
◆ Start Year ◆ End Year * No Data

Blue warehou Eastern half of Southeast Australia [WAREHOUSE]

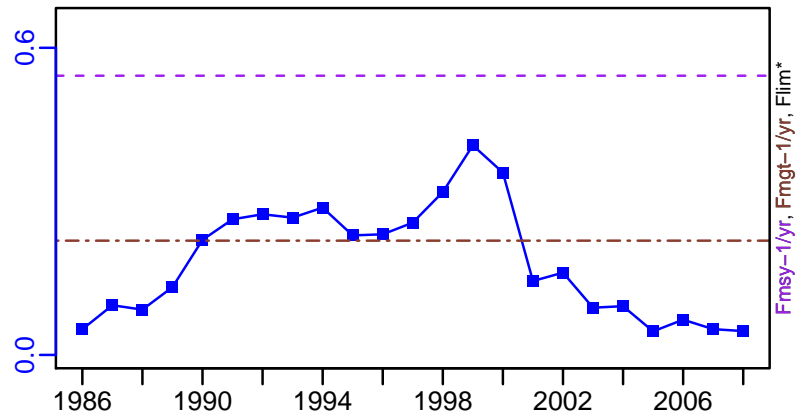
TB-MT (1986-2008-MOESENER)



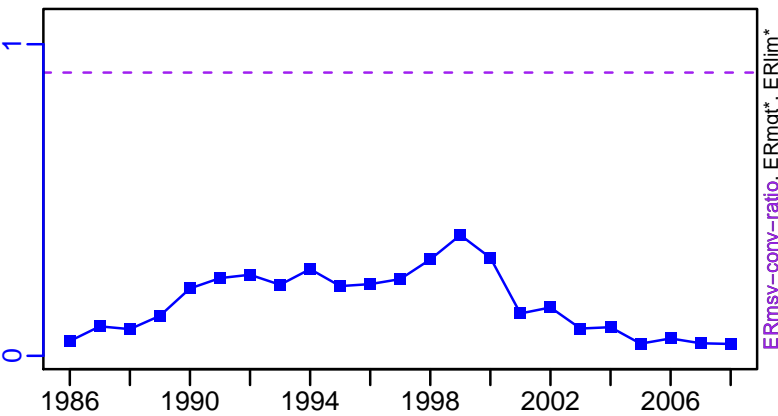
SSB-MT (1986-2008-MOESENER)



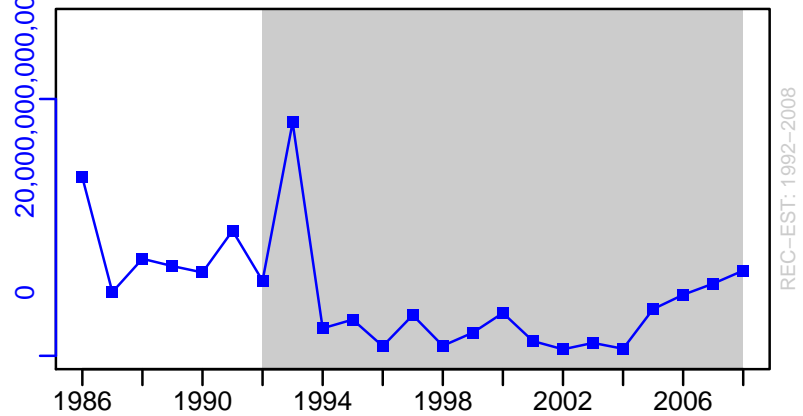
F-1/yr (1986-2008-MOESENER)



ER-ratio (1986-2008-MOESENER)



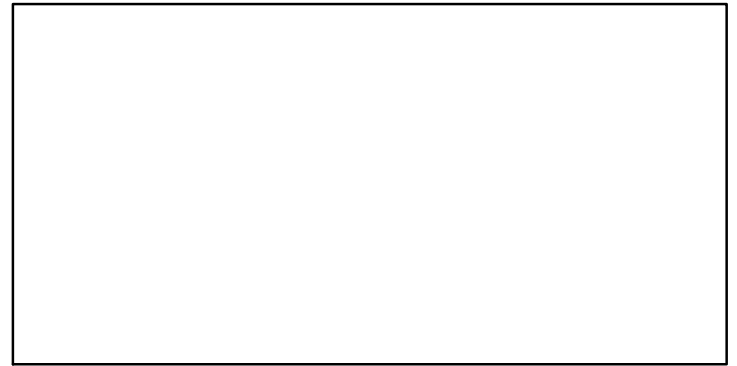
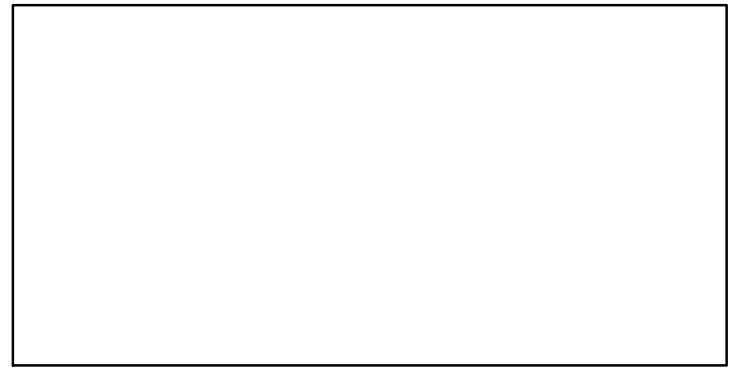
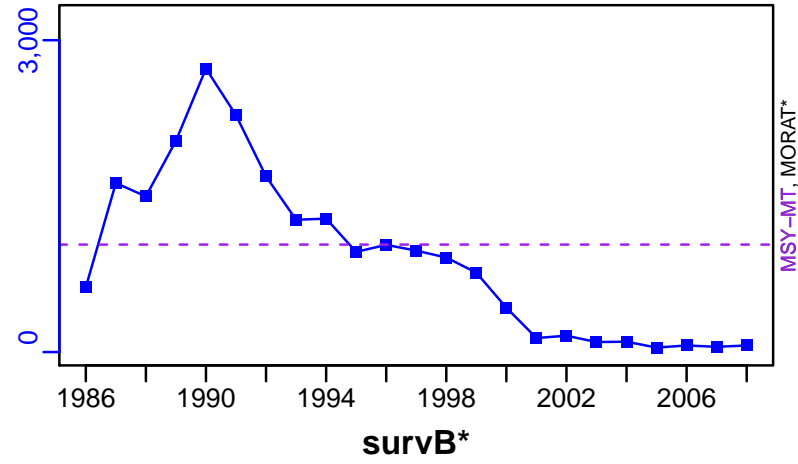
R-E00 (1986-2008-MOESENER)



Blue warehou Eastern half of Southeast Australia [WAREHOUSESE]

TL-MT, TC*, RecC* (1986-2008-MOESENER)

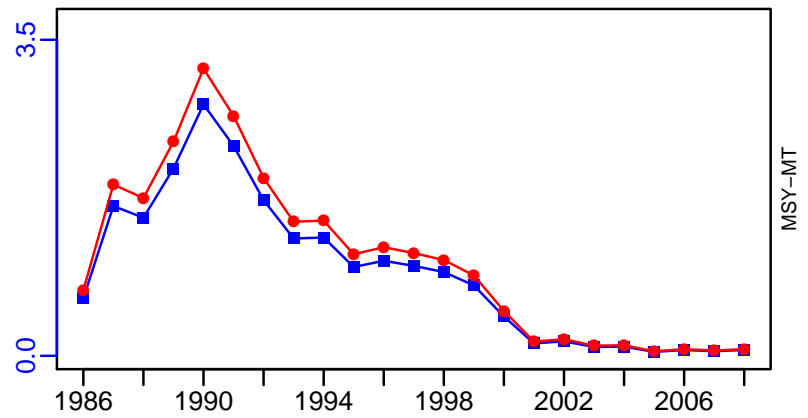
TAC*, Cpair*, Cadv*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1986-2008-MOESENER)



Blue warehou Western half of Southeast Australia [WAREHOUWSE]

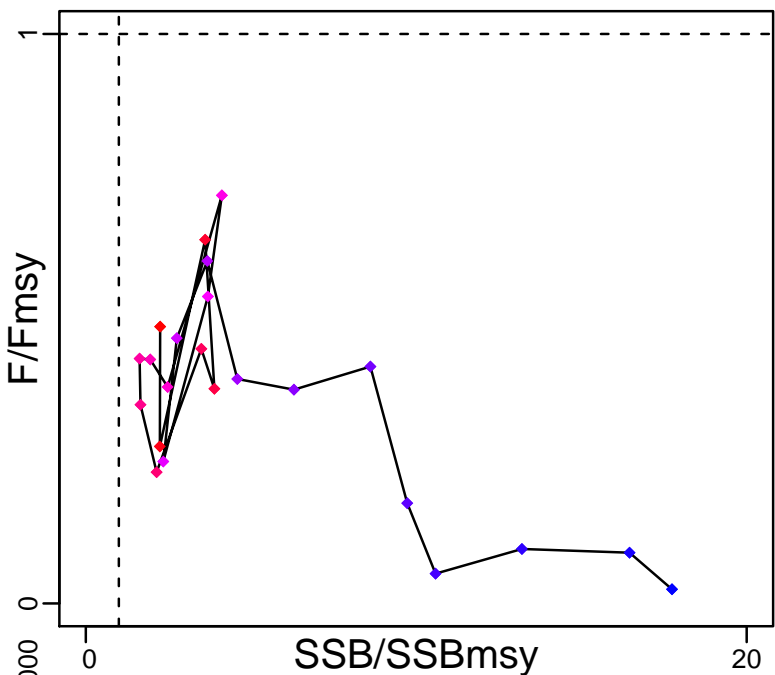
Metadata	
Scientific Name	Seriolella brama
Current Assess ID	CSIRO-WAREHOUWSE-1986-2008-MOESENER
Area	Western half of Southeast Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts in RAM	2006, 2008

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2008	233
Fmsy	Fmsy-1/yr	2008	0.642
ERmsy	ERmsy-conv-ratio	2008	2.11
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2008	1423
Fmgt	Fmgt-1/yr	2008	0.197
ERmgt	-	-	-
TB0	TB0-MT	2008	4423
SSB0	SSB0-MT	2008	2964
MSY	MSY-MT	2008	867
M	M-1/yr	2008	0.45
TBlim	TBlim-MT	2006	653
SSBlim	SSBlim-MT	2008	593
Flim	-	-	-
ERlim	-	-	-

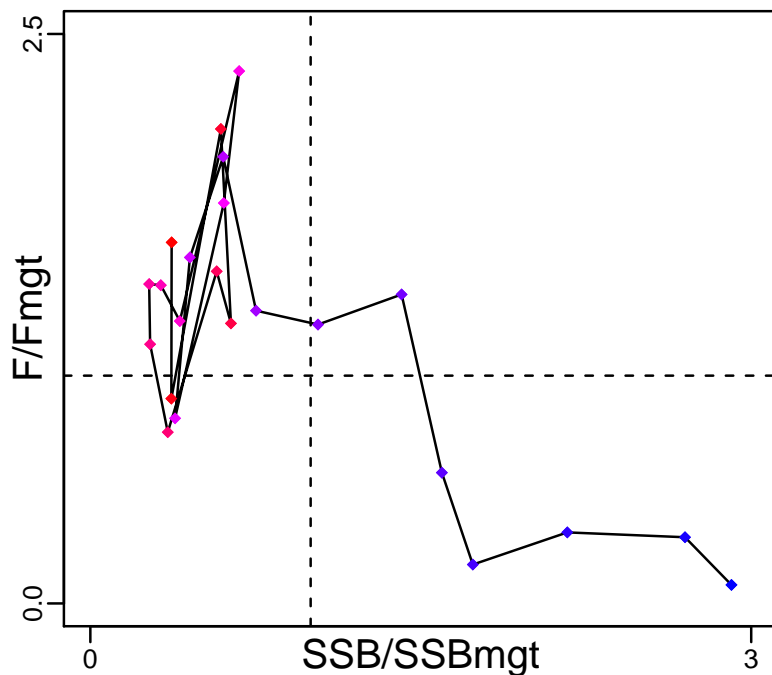
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2008	1430	-	-
SSB	SSB-MT	2008	525	-	-
TN	-	-	-	-	-
R	R-E00	2008	4.15×10^{12}	-	-
F	F-1/yr	2008	0.312	-	-
ER	ER-ratio	2008	0.265	-	-
TC	-	-	-		
TL	TL-MT	2008	379		
TB/TBmsy	TB-MT/(TB0-MT*0.368)	2008	0.879		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2008	2.25		
F/Fmsy	F-1/yr/Fmsy-1/yr	2008	0.486		
ER/ERmsy	ER-ratio/ERmsy-conv-ratio	2008	0.126		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2008	0.369		
F/Fmgt	F-1/yr/Fmgt-1/yr	2008	1.585		
ER/ERmgt	-	-	-		

Blue warehou Western half of Southeast Australia [WAREHOUSE]

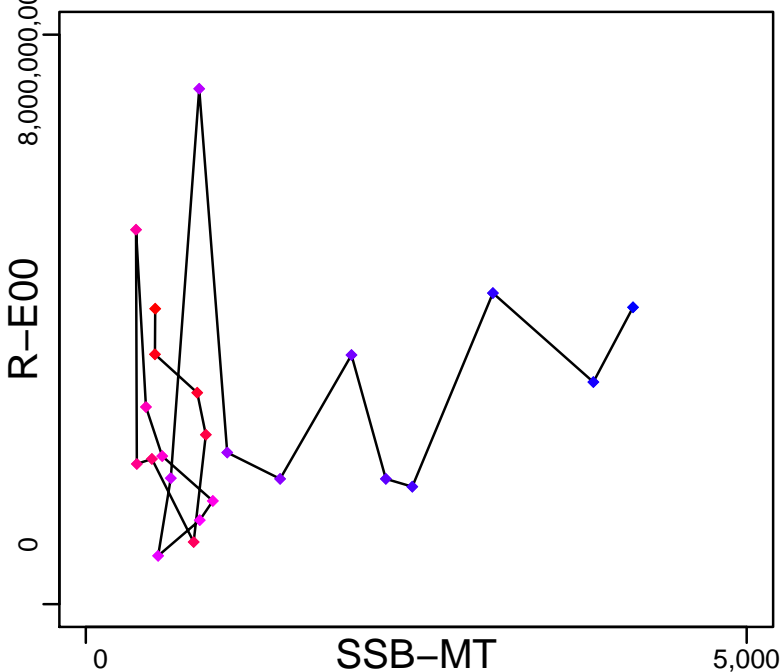
Kobe MSYpref (1986–2008–MOESENEDER)



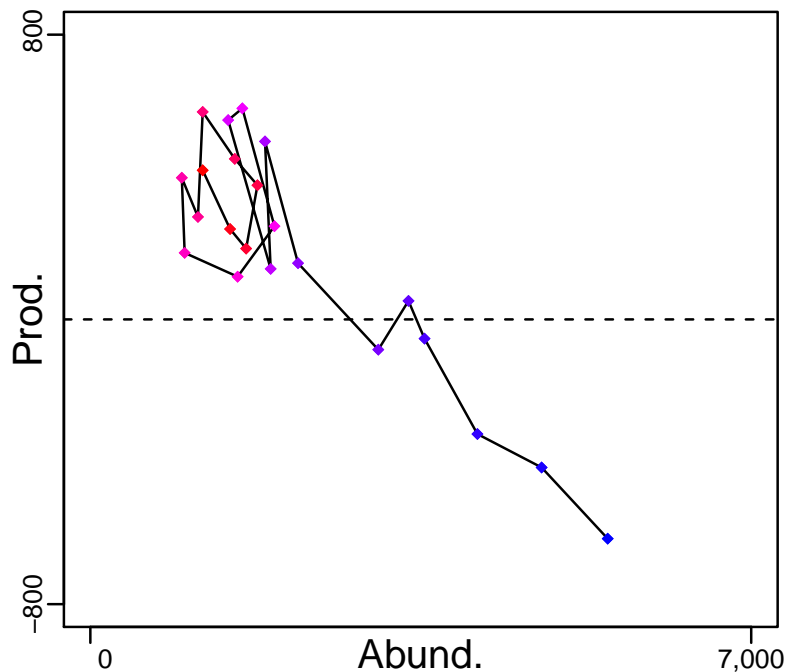
Kobe MGTpref (1986–2008–MOESENEDER)



Spawner Recruit (1986–2008–MOESENEDER)



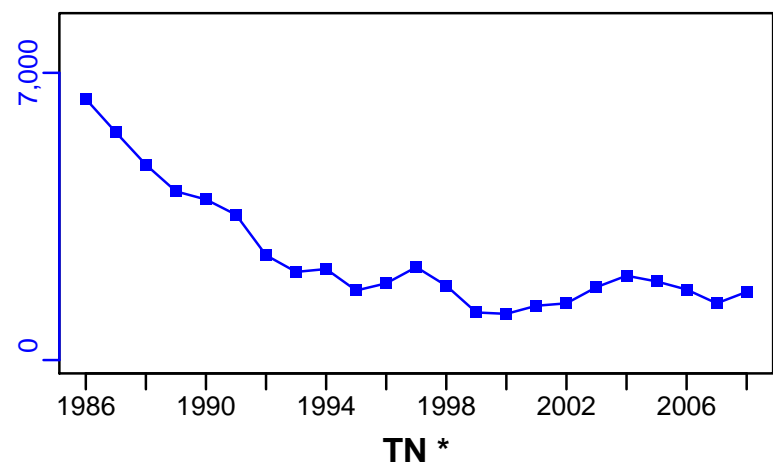
Production (1986–2008–MOESENEDER)



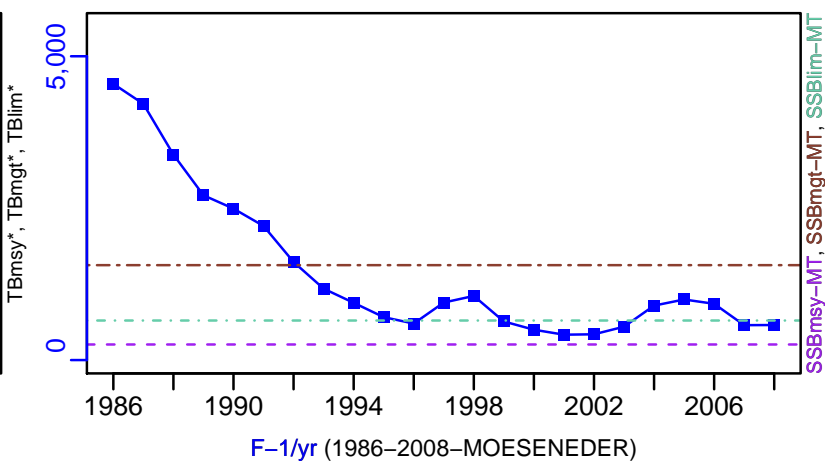
◆ Start Year ◆ End Year * No Data

Blue warehou Western half of Southeast Australia [WAREHOUWSE]

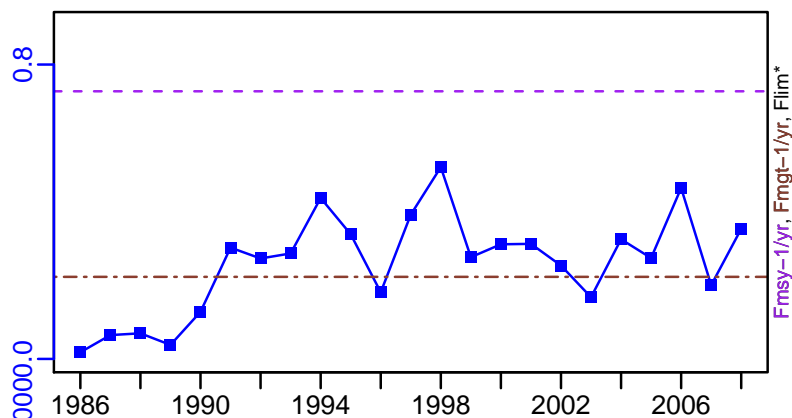
TB-MT (1986-2008-MOESENER)



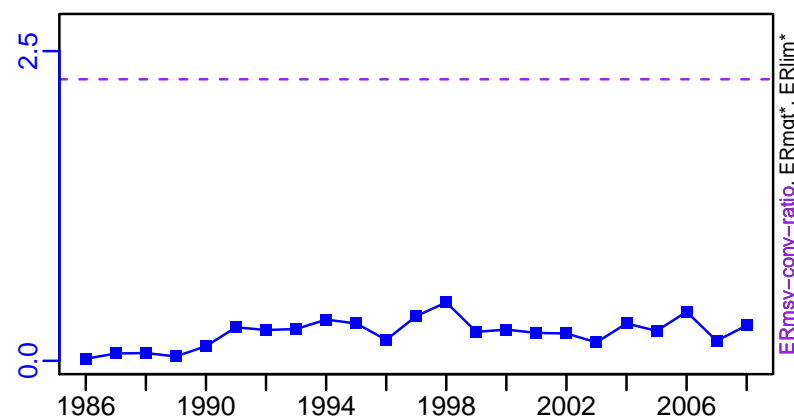
SSB-MT (1986-2008-MOESENER)



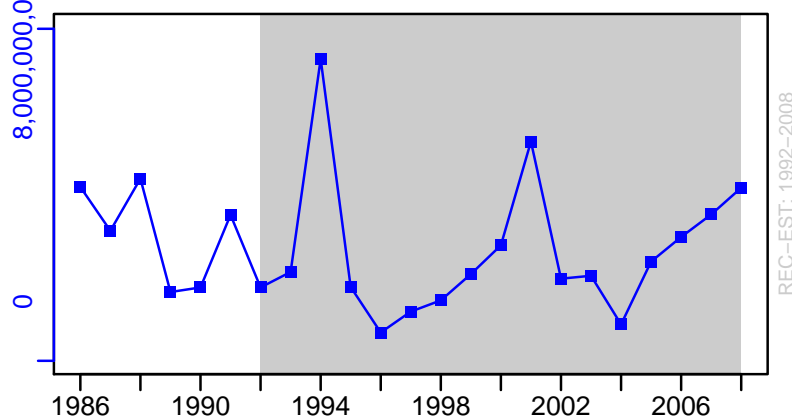
F-1/yr (1986-2008-MOESENER)



ER-ratio (1986-2008-MOESENER)



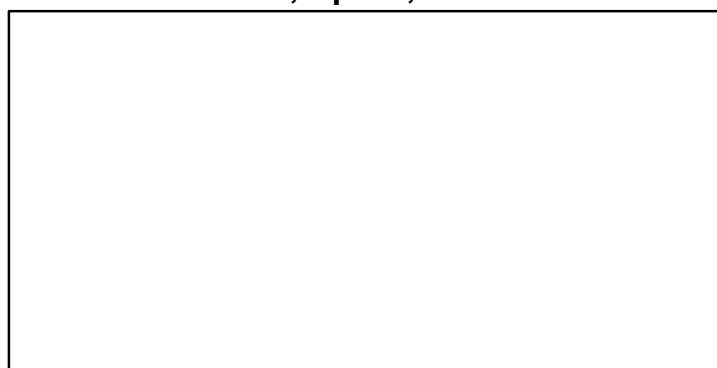
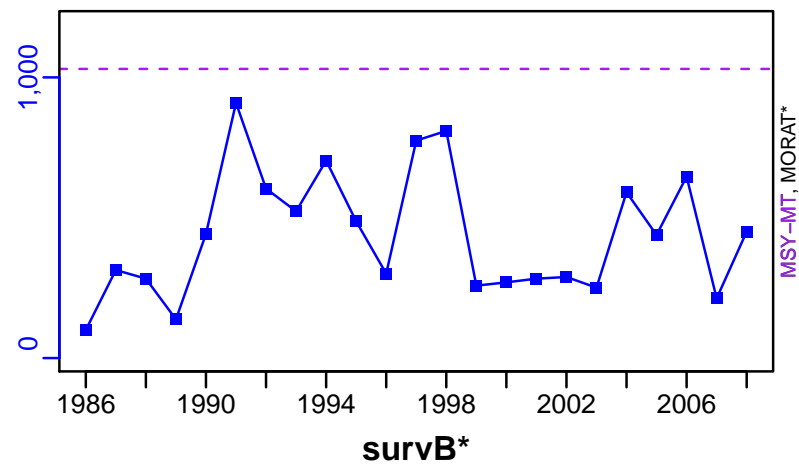
R-E00 (1986-2008-MOESENER)



Blue warehou Western half of Southeast Australia [WAREHOUWSE]

TL-MT, TC*, RecC* (1986-2008-MOESENER)

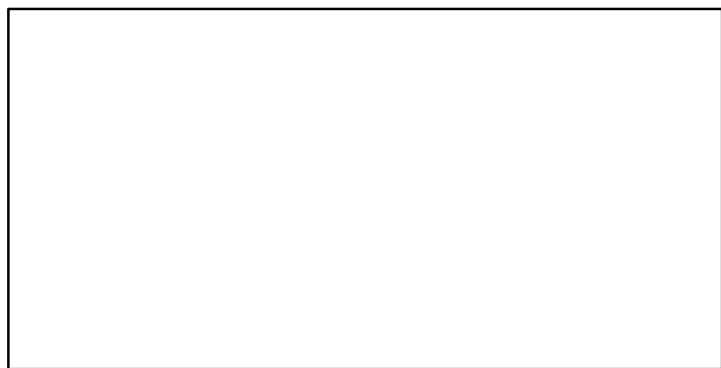
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1986-2008-MOESENER)

