

other scorpaenids Stocks

v4.44 (Apr-02-2019)

Not present Present Preferred

Stock	Time Series Types			
	B/Bmsy	U/Umsy	B/Bmgt	U/Umgt
1. ARGREENNEMS [Arabesque greenling Nemuro Strait]	TB SSB	ER F	TB SSB	ER F
2. ARGREENNHOKK [Arabesque greenling North coast of Hokkaido]	TB SSB	ER F	TB SSB	ER F
3. ARGREENSHOKK [Arabesque greenling South coast of Hokkaido]	TB SSB	ER F	TB SSB	ER F
4. ATKABSAI [Atka mackerel Bering Sea and Aleutian Islands]	TB SSB	ER F	TB SSB	ER F
5. ATKAGA [Atka mackerel Gulf of Alaska]	TB SSB	ER F	TB SSB	ER F
6. CABEZNCAL [Cabezon Northern California]	TB SSB	ER F	TB SSB	ER F
7. CABEZORECOAST [Cabezon Oregon Coast]	TB SSB	ER F	TB SSB	ER F
8. CABEZSCAL [Cabezon Southern California]	TB SSB	ER F	TB SSB	ER F
9. CALSCORPSCAL [California scorpionfish Southern California]	TB SSB	ER F	TB SSB	ER F
10. DEEPFLATHEADSE [Deepwater flathead Southeast Australia]	TB SSB	ER F	TB SSB	ER F
11. GGURNIIIa-IV-VIId [Grey gurnard IIIa, VIId and North Sea]	TB SSB	ER F	TB SSB	ER F
12. KELPGREENLINGORECOAST [Kelp greenling Oregon Coast]	TB SSB	ER F	TB SSB	ER F
13. LINGCODNPCOAST [Lingcod Northern Pacific Coast]	TB SSB	ER F	TB SSB	ER F
14. LINGCODSOG [Lingcod Strait of Georgia]	TB SSB	ER F	TB SSB	ER F
15. LINGCODSPCOAST [Lingcod Southern Pacific Coast]	TB SSB	ER F	TB SSB	ER F
16. RGURNNEATL [Red gurnard Northeast Atlantic]	TB SSB	ER F	TB SSB	ER F
17. SABLEFEBSAIGA [Sablefish Eastern Bering Sea / Aleutian Islands / Gulf of Alaska]	TB SSB	ER F	TB SSB	ER F
18. SABLEFPCAN [Sablefish Pacific Coast of Canada]	TB SSB	ER F	TB SSB	ER F
19. SABLEFPCOAST [Sablefish Pacific Coast]	TB SSB	ER F	TB SSB	ER F
20. TIGERFLATSE [Tiger flathead Southeast Australia]	TB SSB	ER F	TB SSB	ER F

Arabesque greenling Nemuro Strait [ARGREENNEMS]

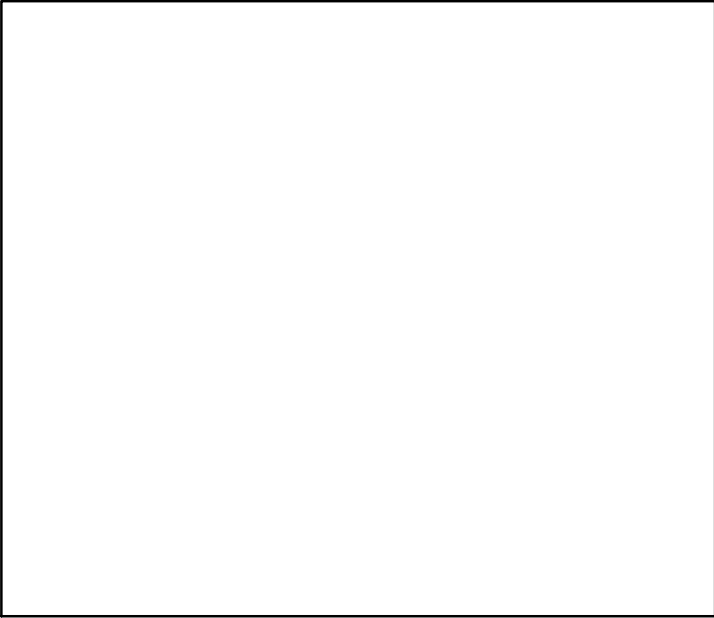
Metadata	
Scientific Name	Pleurogrammus azonus
Current Assess ID	FAFRFJ-ARGREENNEMS-1985-2013-JPNIMP2016
Area	Nemuro Strait
Management Authority	Fisheries Agency of Japan
Assessor	Fisheries Agency and Fisheries Research Agency of Japan
Asmts in RAM	2013

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

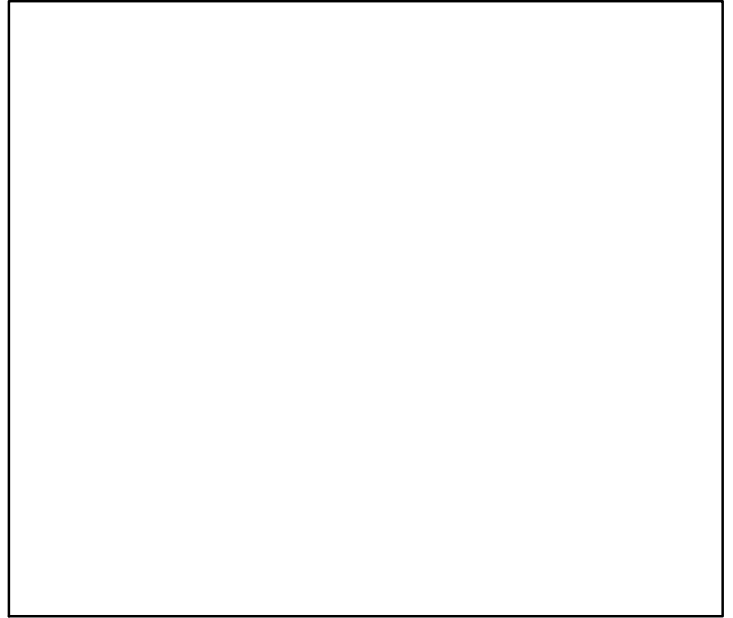
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2013	4090		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Arabesque greenling Nemuro Strait [ARGREENNEMS]

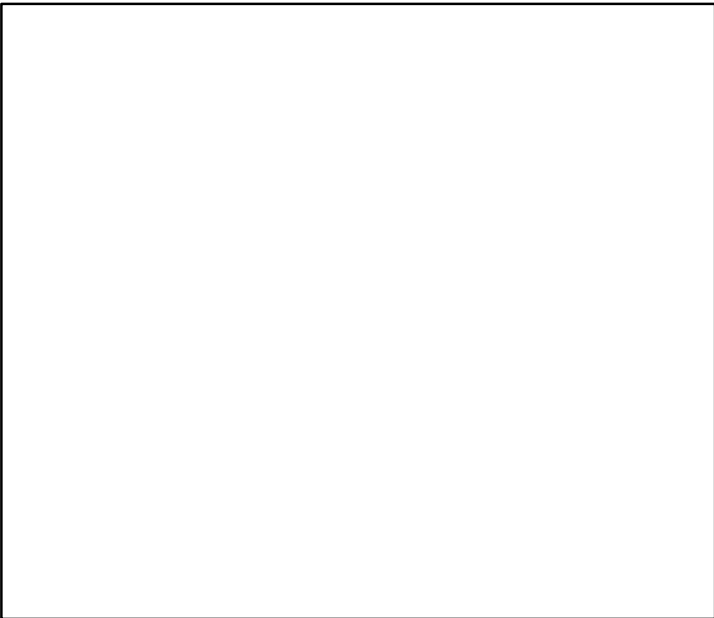
Kobe MSY*



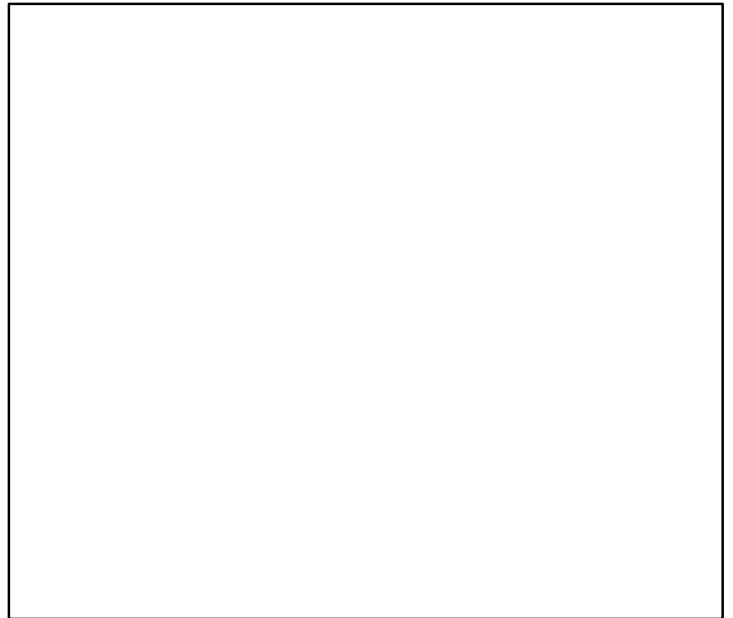
Kobe MGT*



Spawner Recruit*



Production*



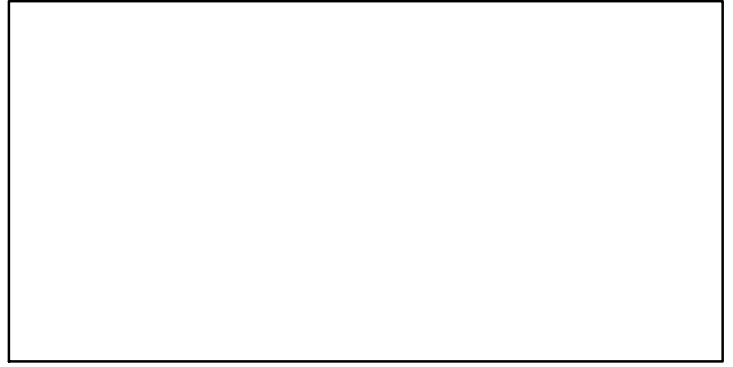
◆ Start Year ◆ End Year * No Data

Arabesque greenling Nemuro Strait [ARGREENNEMS]

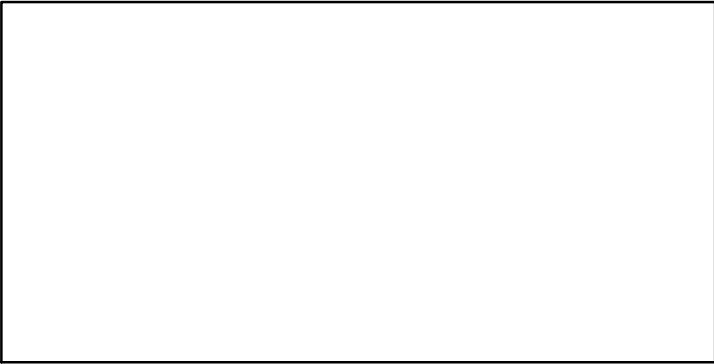
TB*



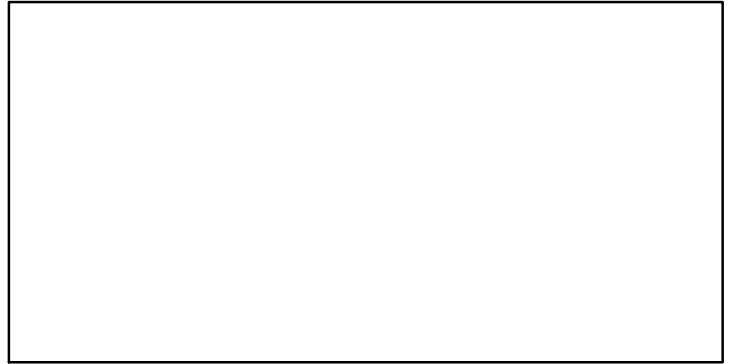
SSB*



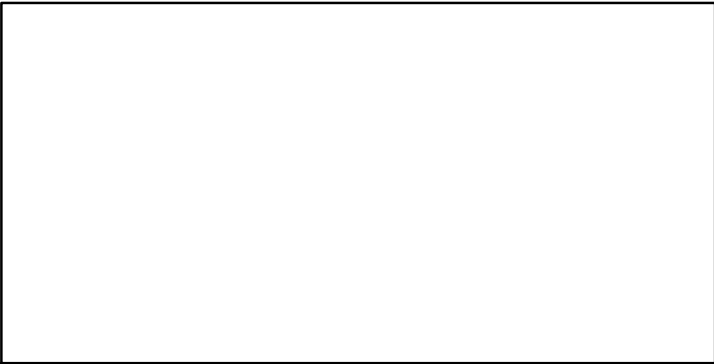
TN *



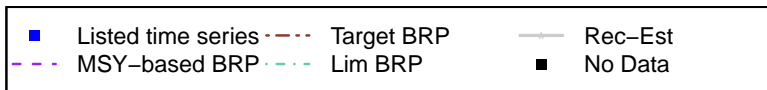
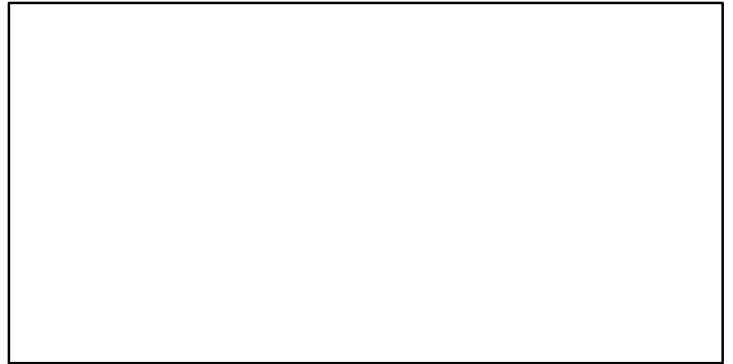
F*



ER*



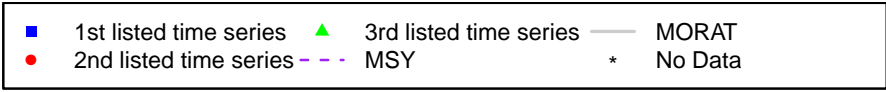
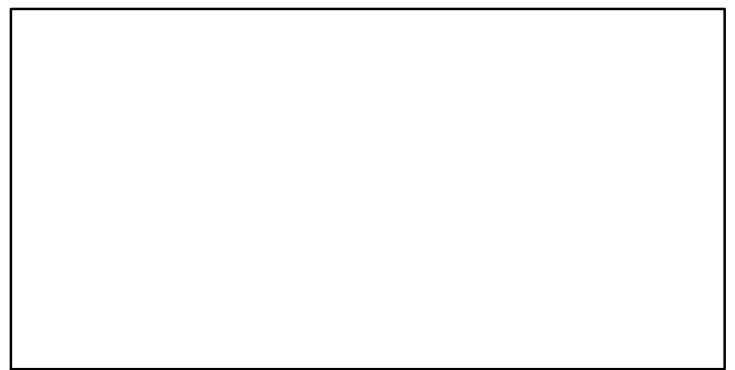
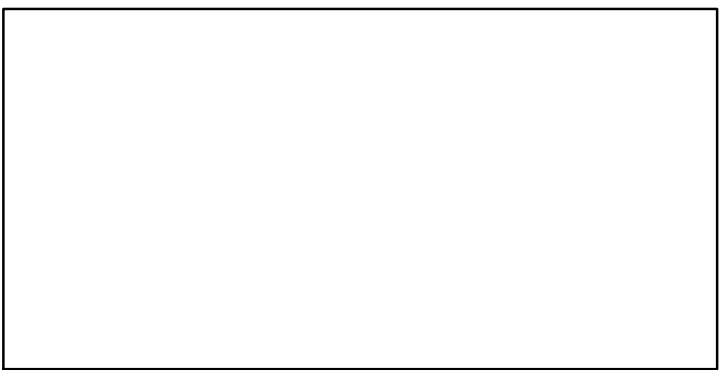
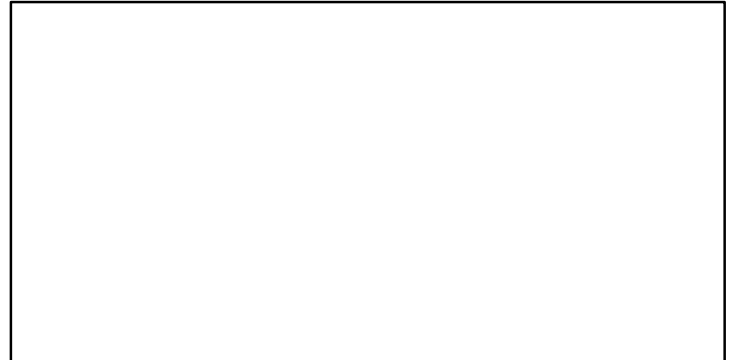
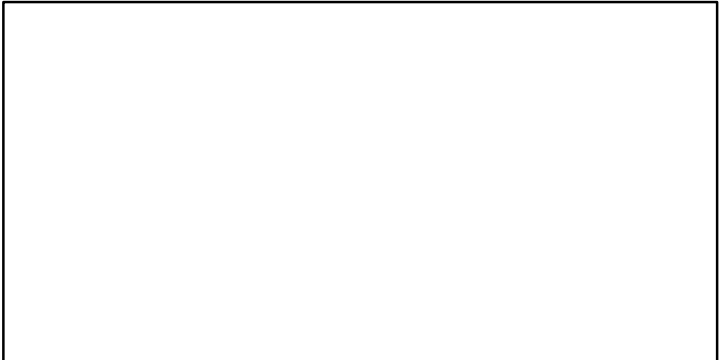
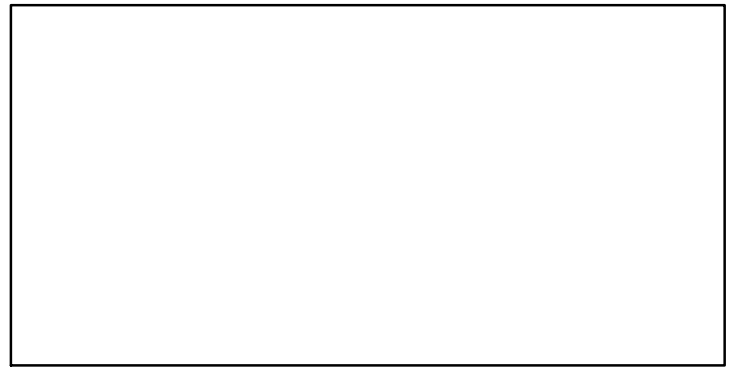
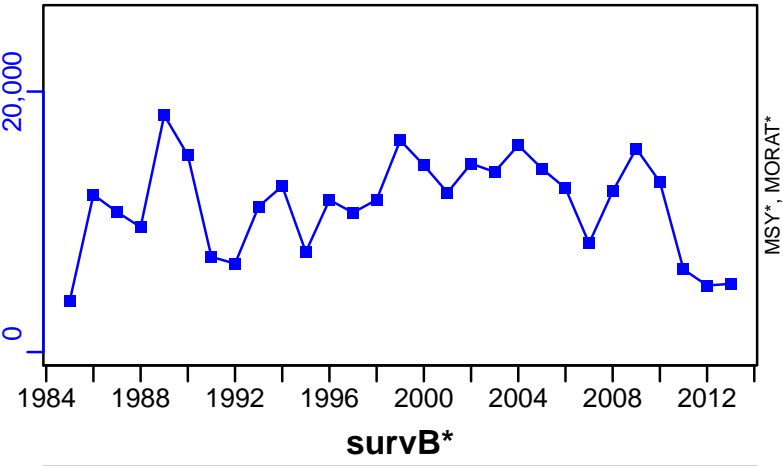
Recruits*



Arabesque greenling Nemuro Strait [ARGREENNEMS]

TC-MT, TL*, RecC* (1985-2013-JPNIMP2016)

TAC*, Cpair*, Cadv*



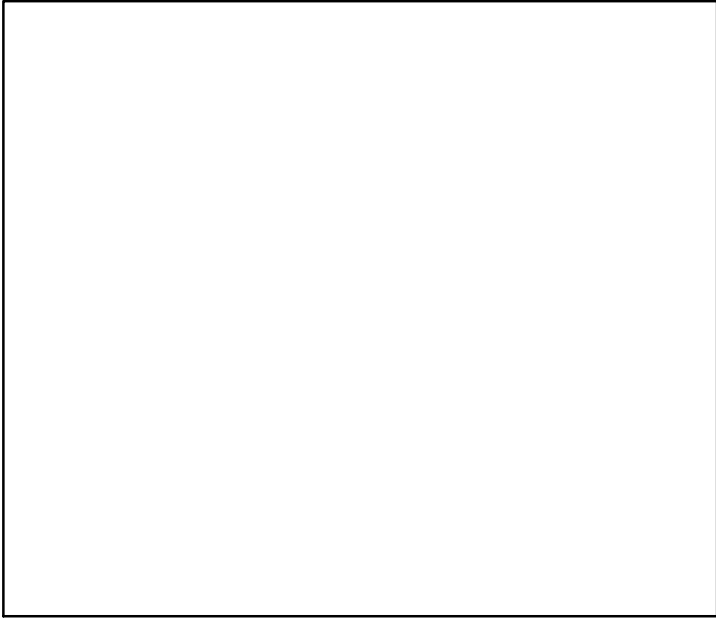
Arabesque greenling North coast of Hokkaido [ARGREENNHOKK]

Metadata	
Scientific Name	Pleurogrammus azonus
Current Assess ID	FAFRFJ-ARGREENNHOKK-1980-2013-JPNIMP2016
Area	North coast of Hokkaido
Management Authority	Fisheries Agency of Japan
Assessor	Fisheries Agency and Fisheries Research Agency of Japan
Asmts in RAM	2013

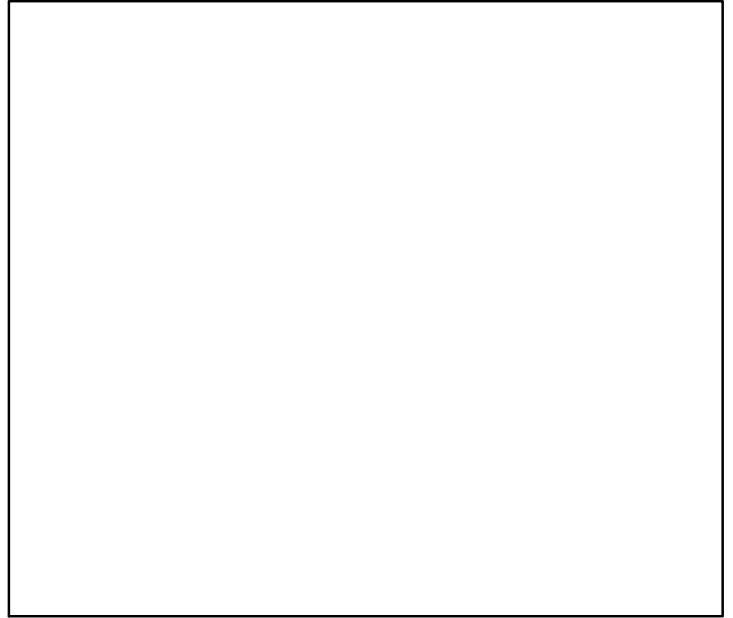
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2013	46,300		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

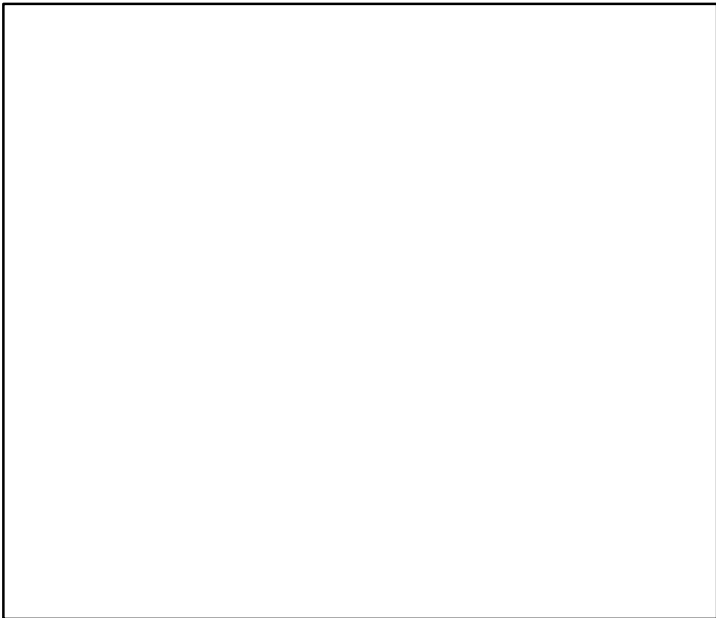
Kobe MSY*



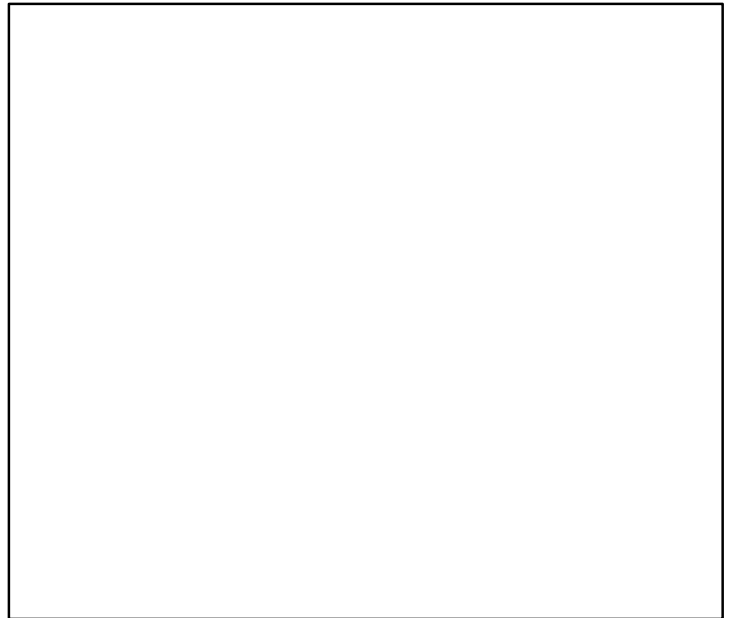
Kobe MGT*



Spawner Recruit*



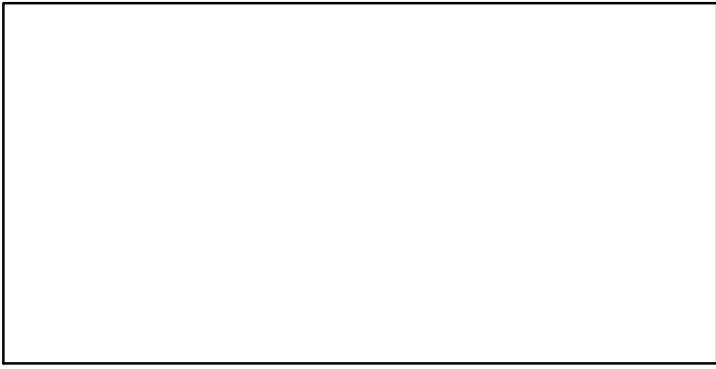
Production*



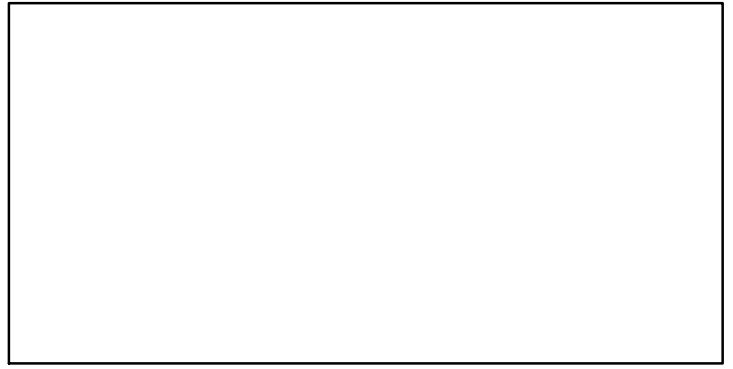
◆ Start Year ◆ End Year * No Data

Arabesque greenling North coast of Hokkaido [ARGREENNHOKK]

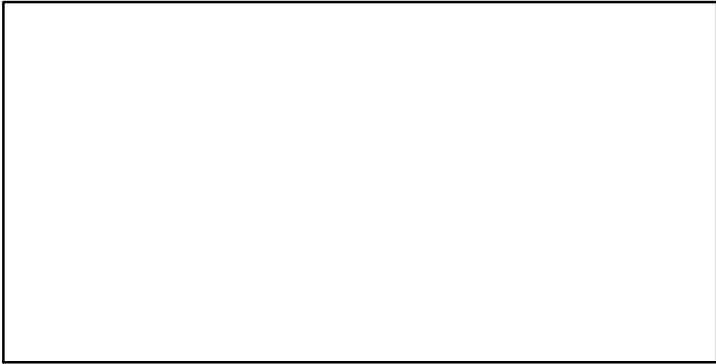
TB*



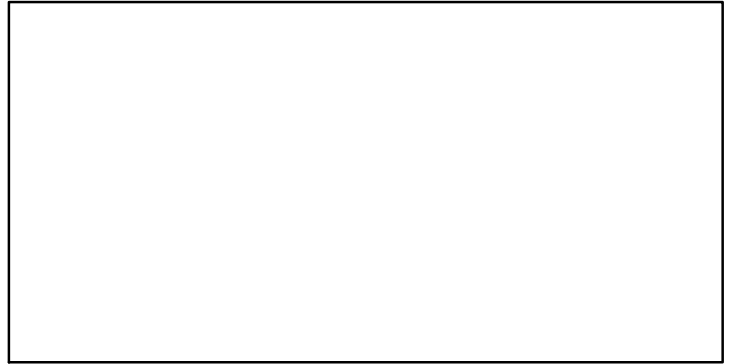
SSB*



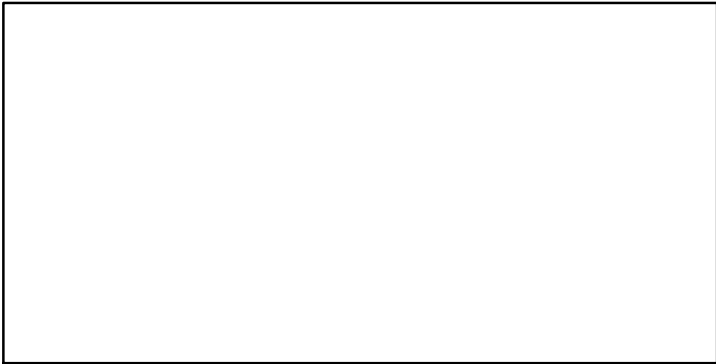
TN *



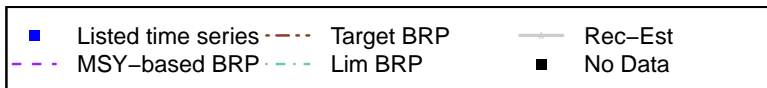
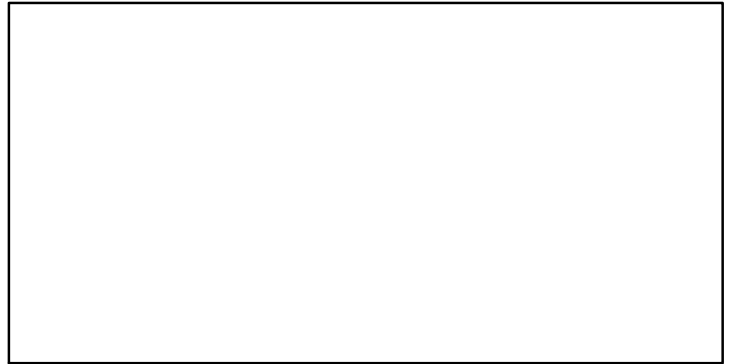
F*



ER*



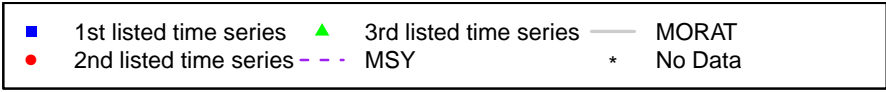
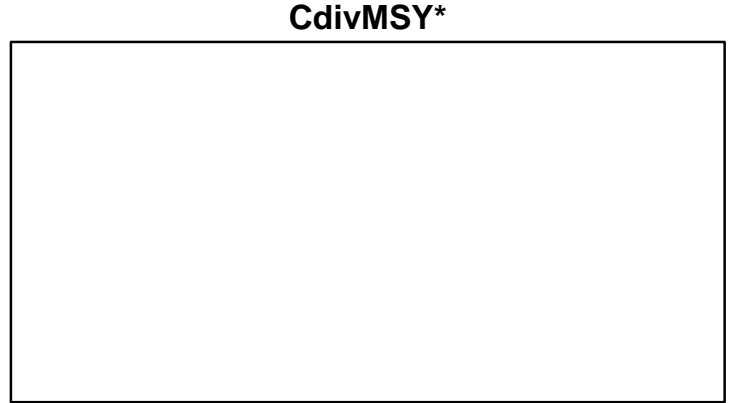
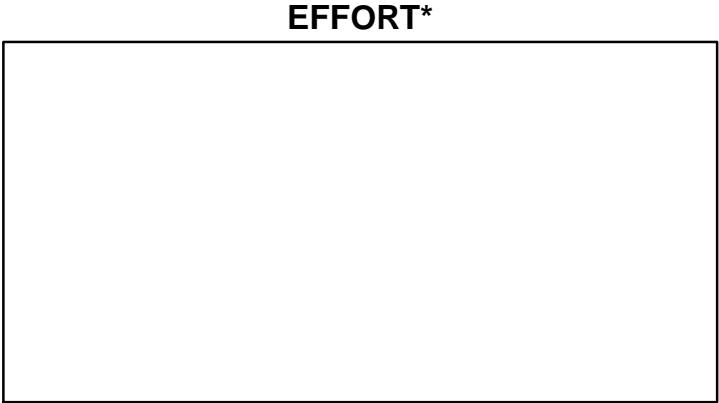
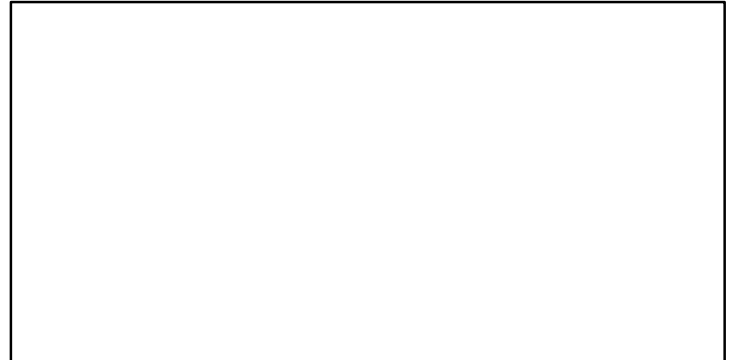
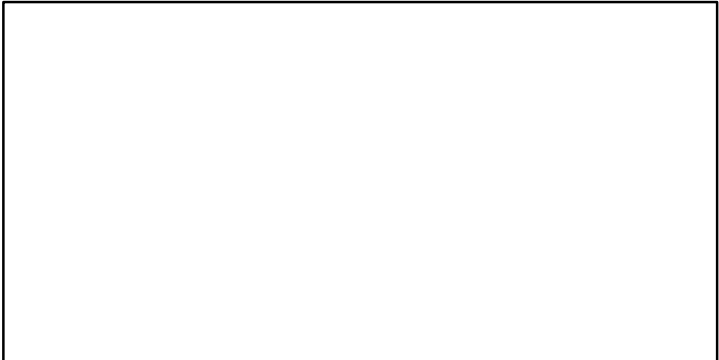
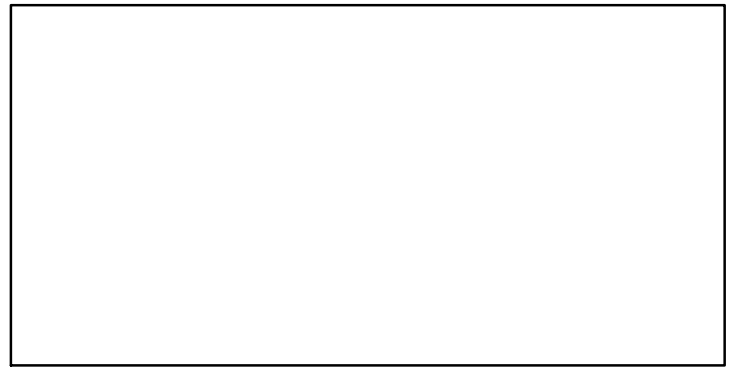
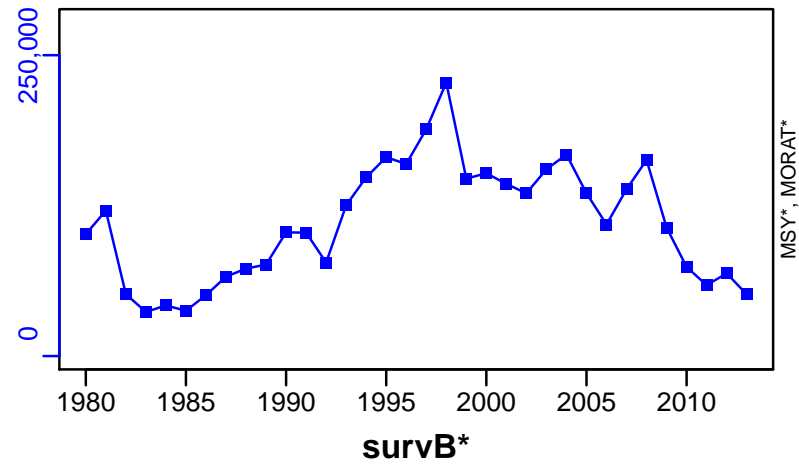
Recruits*



Arabesque greenling North coast of Hokkaido [ARGREENNHOKK]

TC-MT, TL*, RecC* (1980-2013-JPNIMP2016)

TAC*, Cpair*, Cadv*



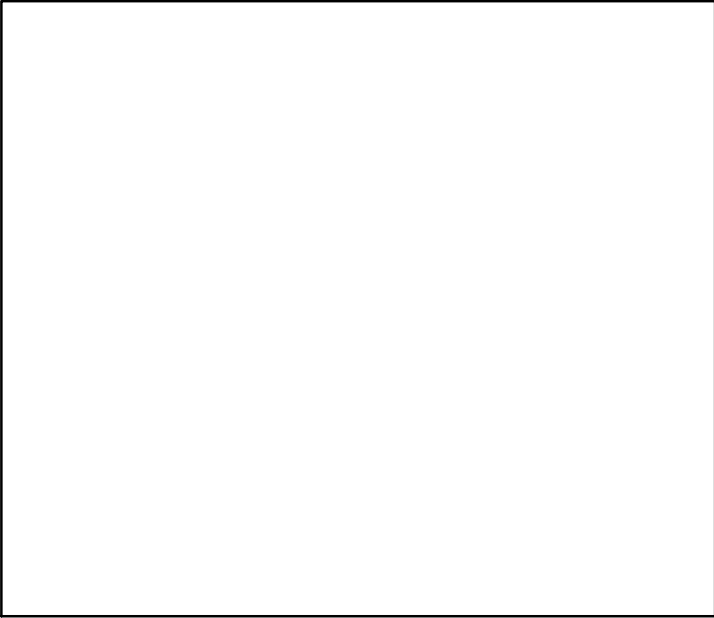
Arabesque greenling South coast of Hokkaido [ARGREENSHOKK]

Metadata	
Scientific Name	Pleurogrammus azonus
Current Assess ID	FAFRFJ-ARGREENSHOKK-1975-2013-JPNIMP2016
Area	South coast of Hokkaido
Management Authority	Fisheries Agency of Japan
Assessor	Fisheries Agency and Fisheries Research Agency of Japan
Asmts in RAM	2013

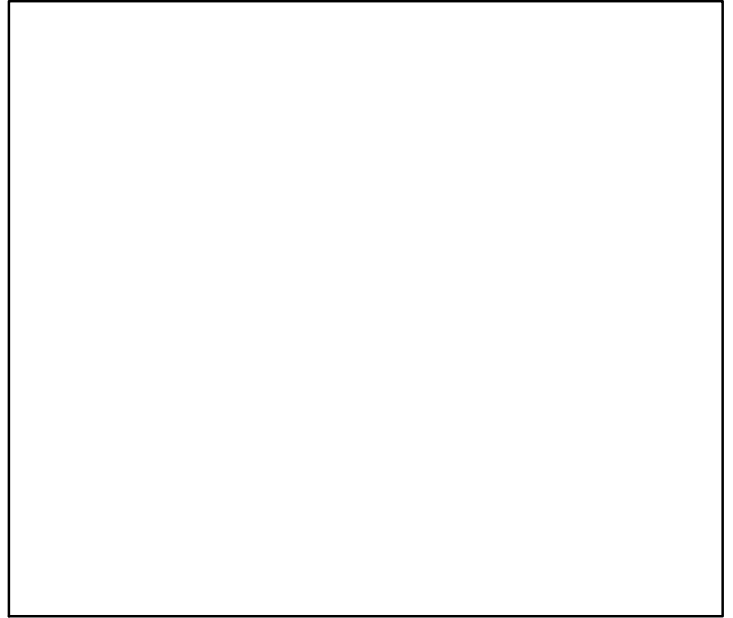
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2013	2300		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

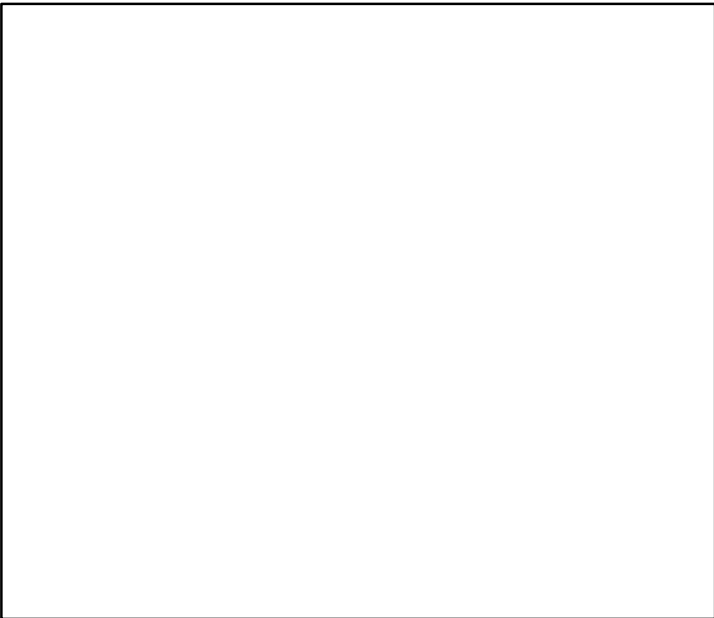
Kobe MSY*



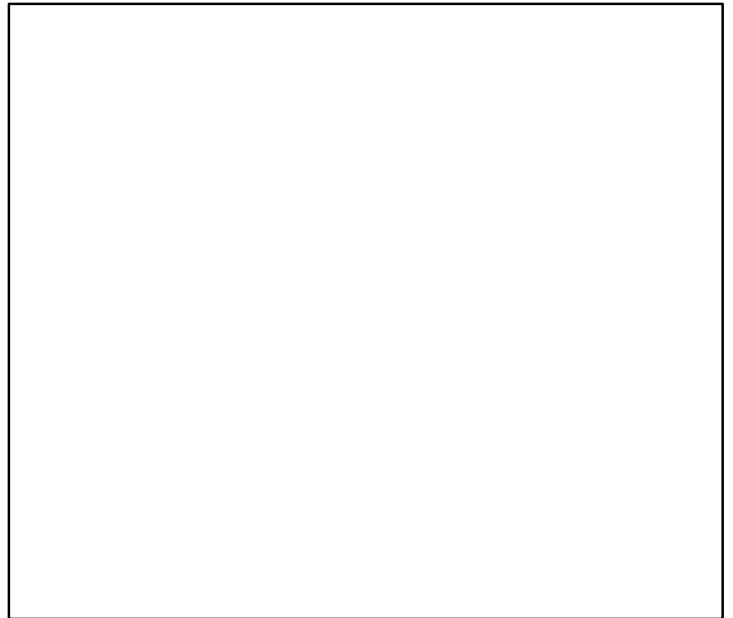
Kobe MGT*



Spawner Recruit*



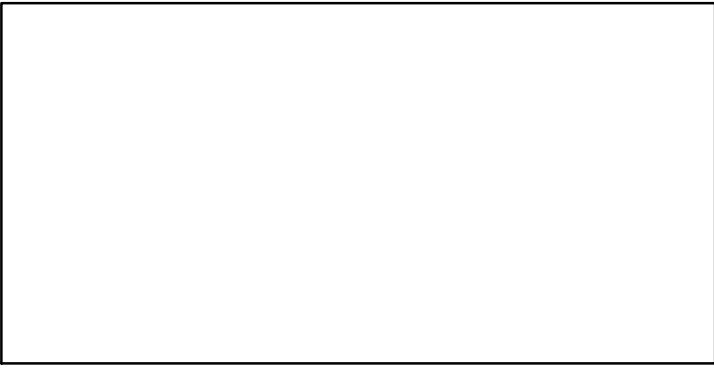
Production*



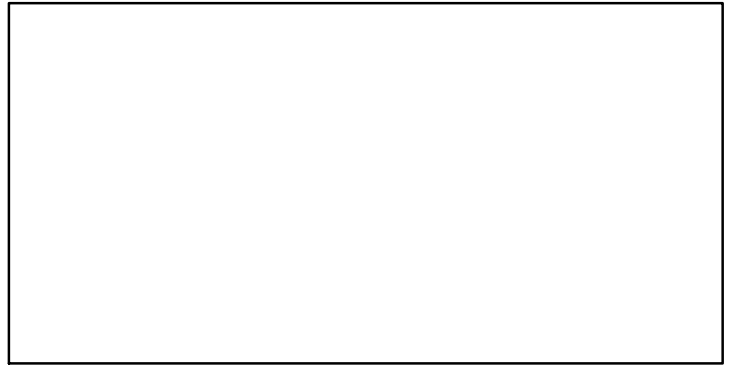
◆ Start Year ◆ End Year * No Data

Arabesque greenling South coast of Hokkaido [ARGREENSHOKK]

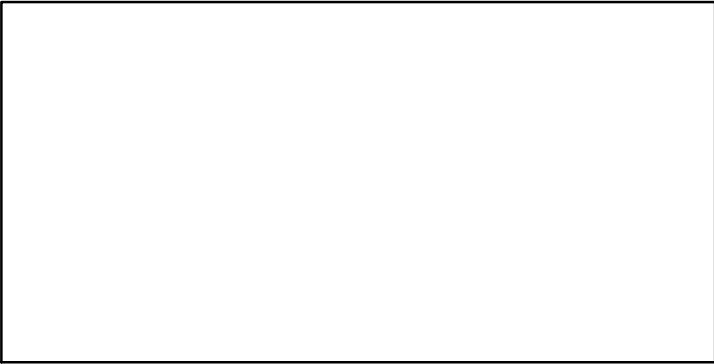
TB*



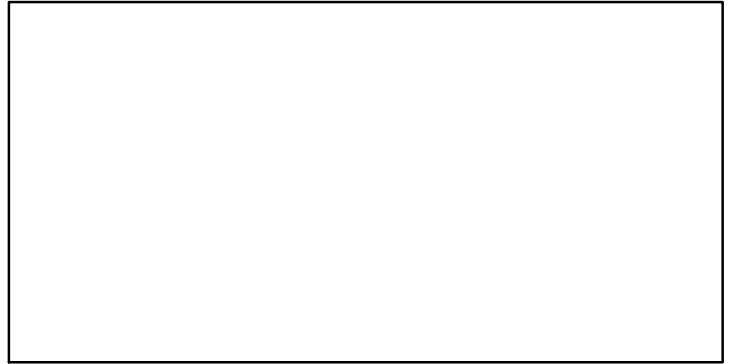
SSB*



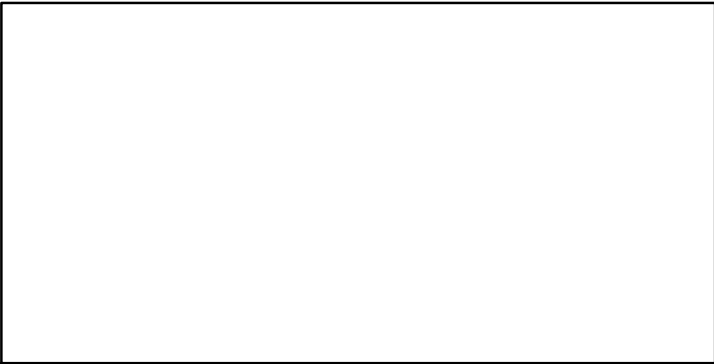
TN *



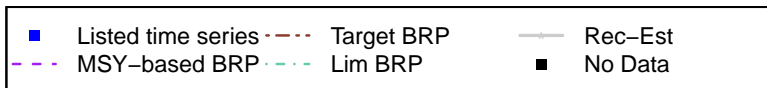
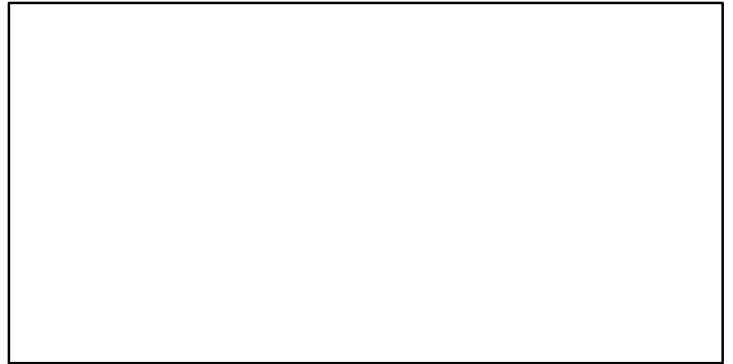
F*



ER*



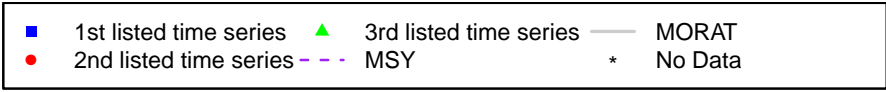
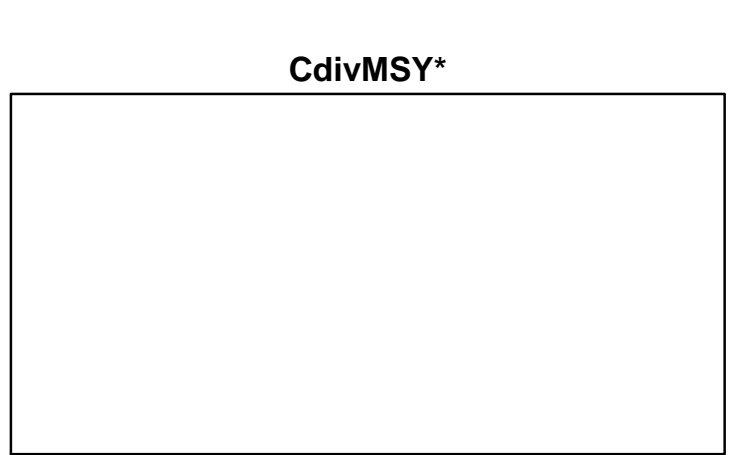
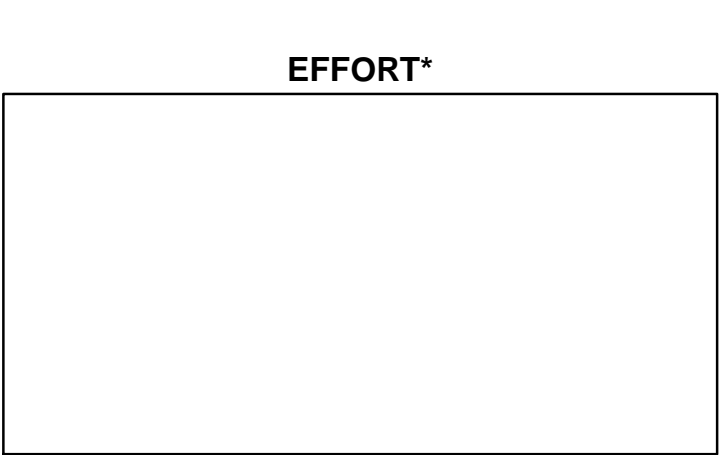
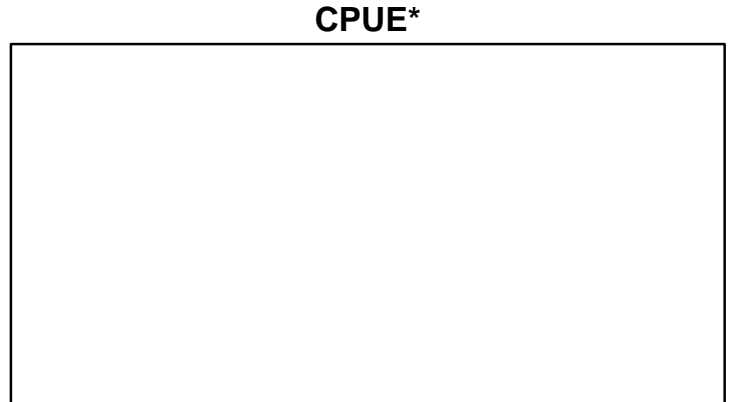
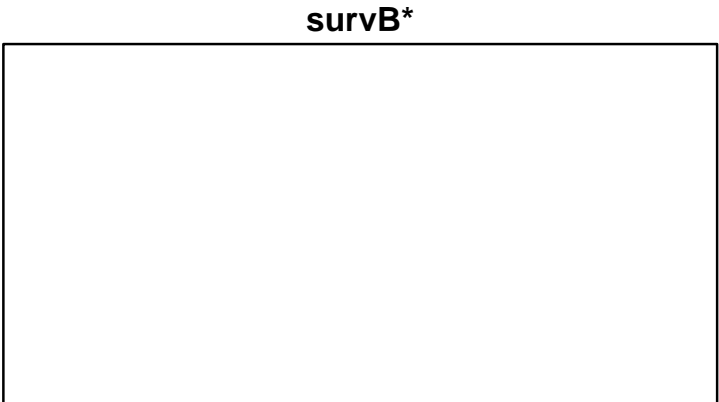
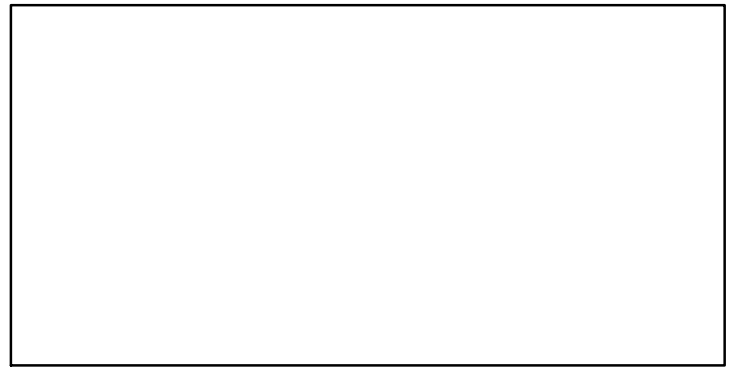
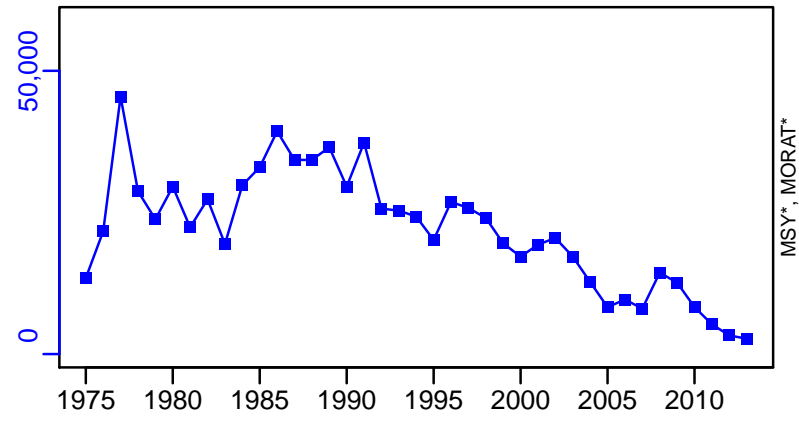
Recruits*



Arabesque greenling South coast of Hokkaido [ARGREENSHOKK]

TC-MT, TL*, RecC* (1975-2013-JPNIMP2016)

TAC*, Cpair*, Cadv*



Atka mackerel Bering Sea and Aleutian Islands [ATKABSAI]

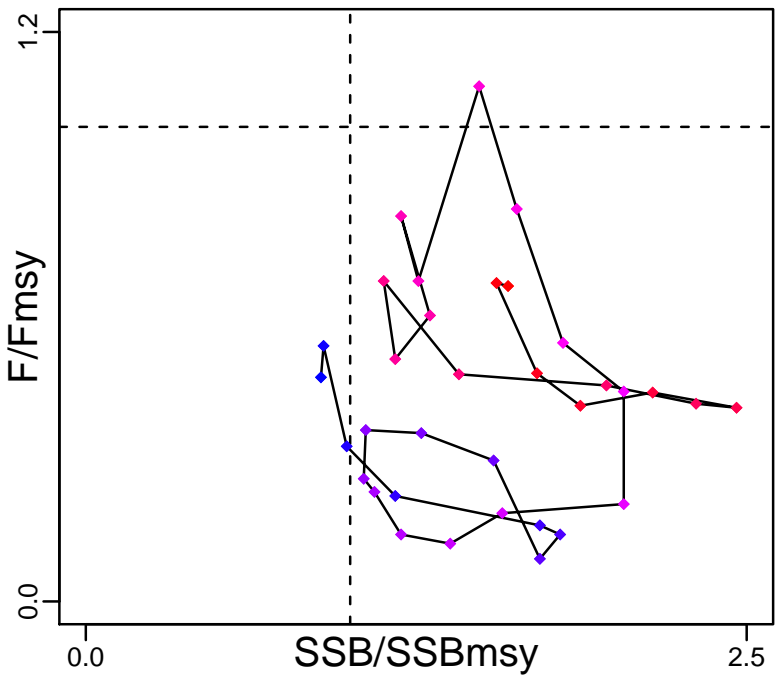
Metadata	
Scientific Name	Pleurogrammus monopterygius
Current Assess ID	AFSC-ATKABSAI-1977-2015-SISIMP2016
Area	Bering Sea and Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2011, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	118,697
Fmsy	Fmsy-pr-1/yr	2011	0.468
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.3
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

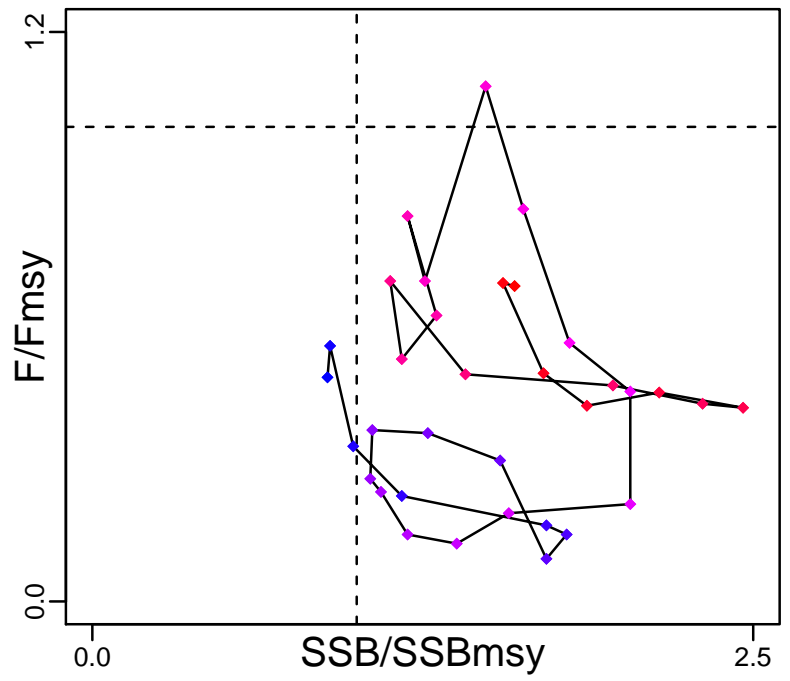
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	589,000	-	1+
SSB	SSB-MT	2015	177,000	Females	3.6+
TN	-	-	-	-	-
R	R-E00	2015	507,000	-	1
F	F-1/yr	2015	0.163	-	-
ER	ER-calc-ratio	2015	0.053	-	-
TC	TC-MT	2015	30,900		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.494		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2011	0.665		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Atka mackerel Bering Sea and Aleutian Islands [ATKABSAI]

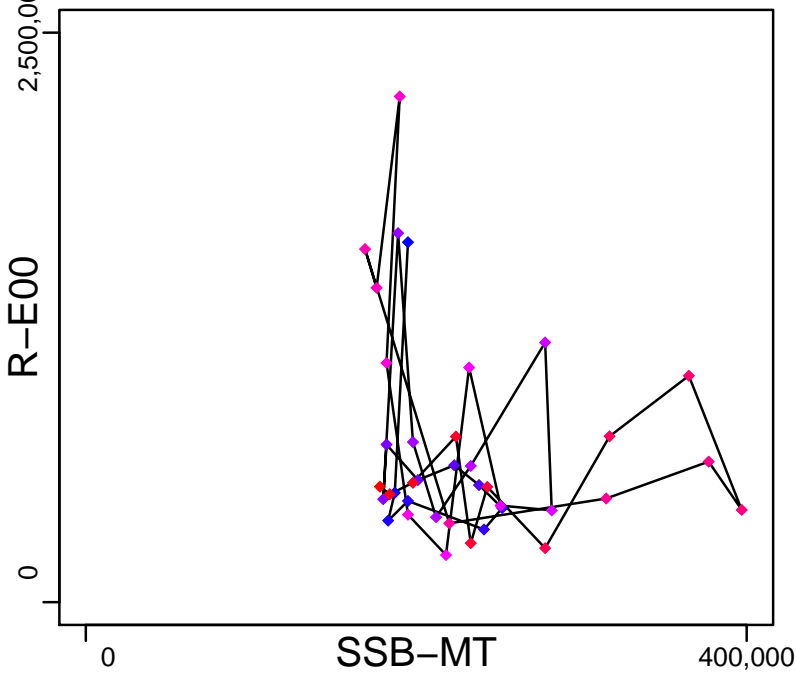
Kobe MSYpref (1976–2011–STACHURA)



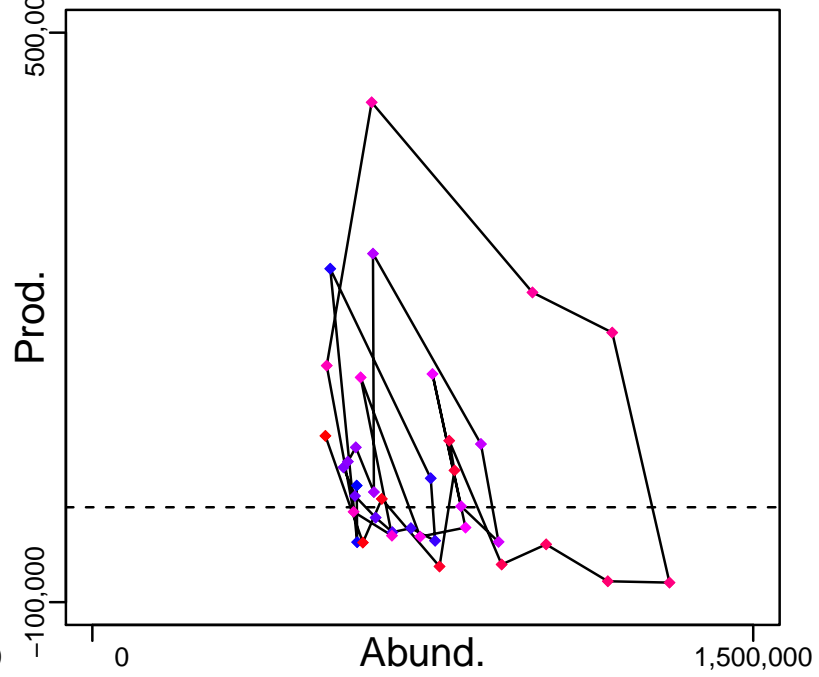
Kobe MGTpref (1976–2011–STACHURA)



Spawner Recruit (1977–2015–SISIMP2016)



Production (1977–2015–SISIMP2016)

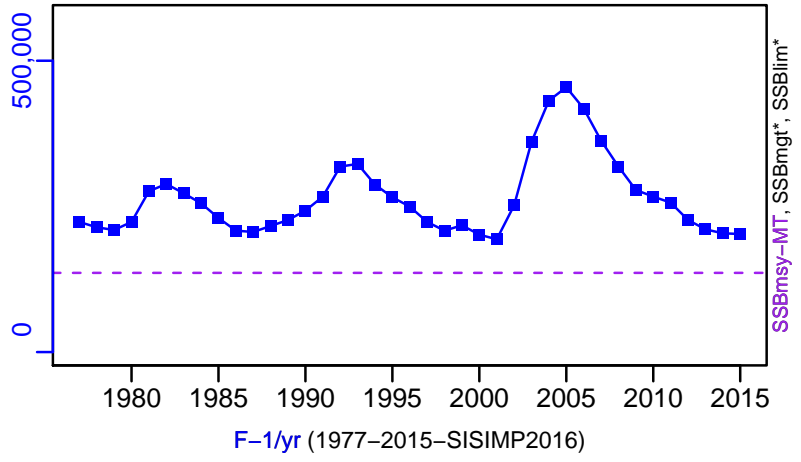
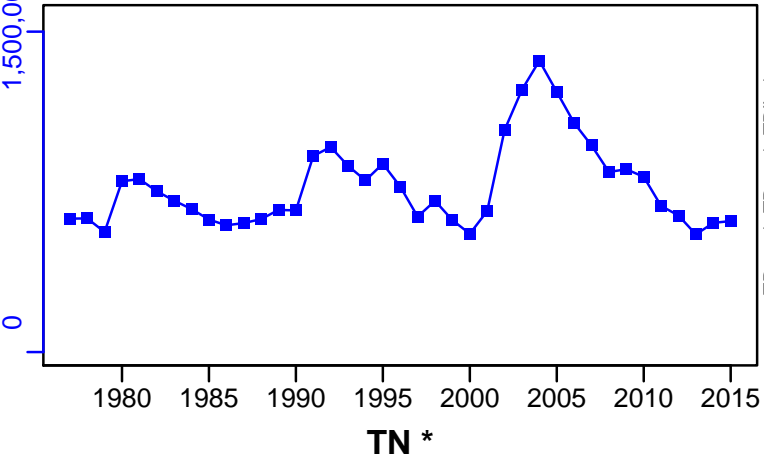


◆ Start Year ◆ End Year * No Data

Atka mackerel Bering Sea and Aleutian Islands [ATKABSAI]

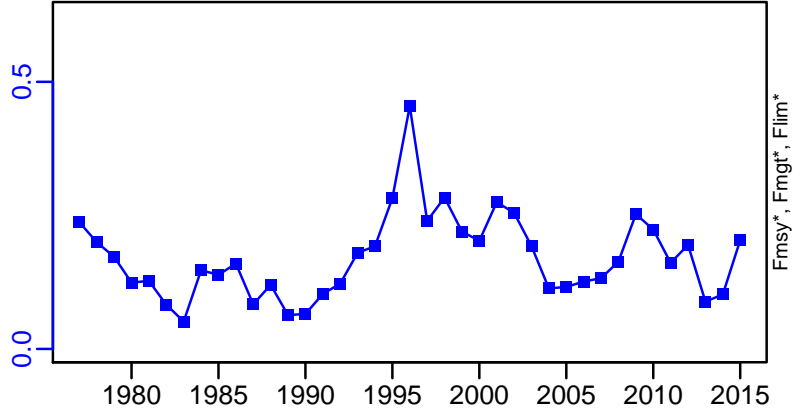
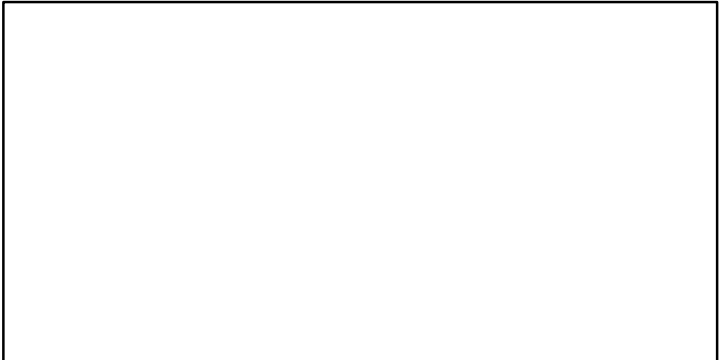
TB-MT (1977-2015-SISIMP2016)

SSB-MT (1977-2015-SISIMP2016)



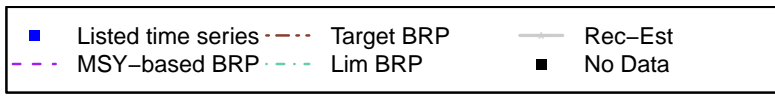
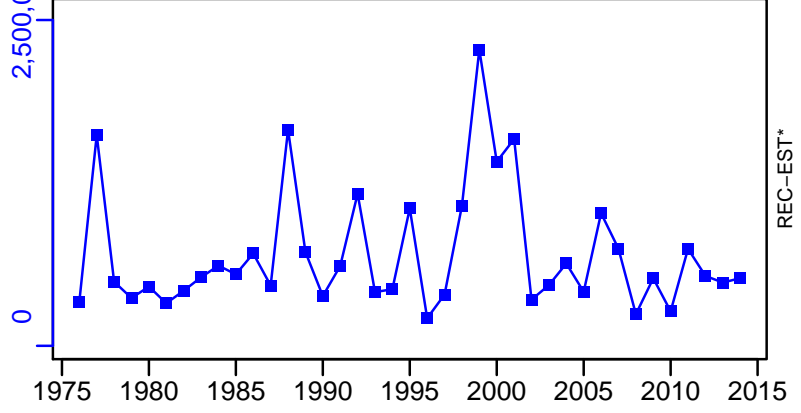
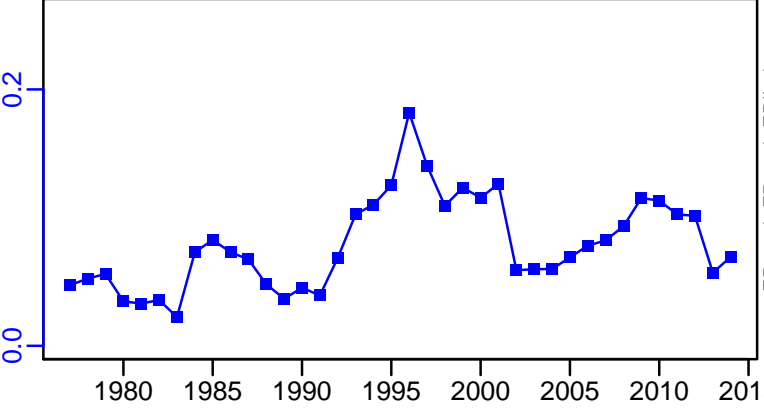
TN *

F-1/yr (1977-2015-SISIMP2016)



ER-calc-ratio (1977-2015-SISIMP2016)

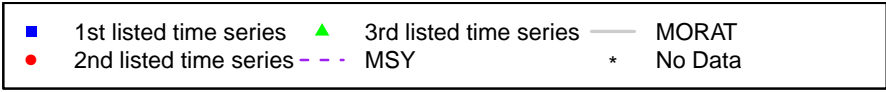
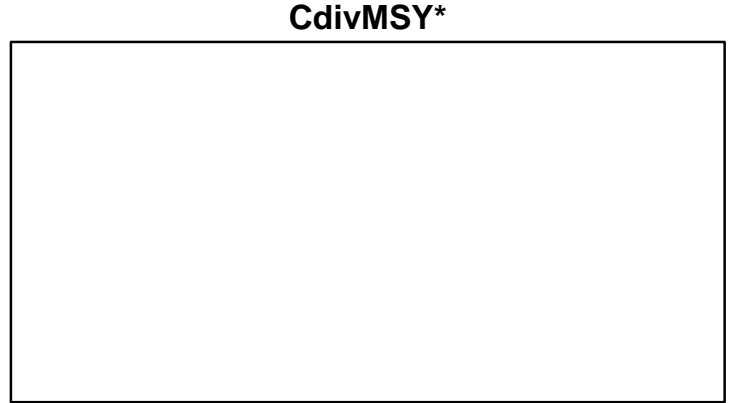
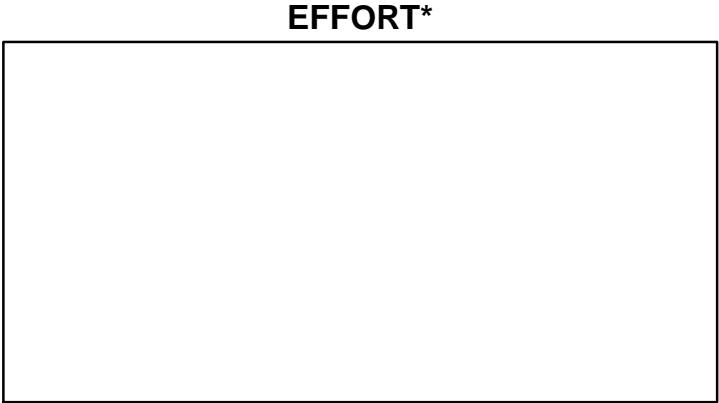
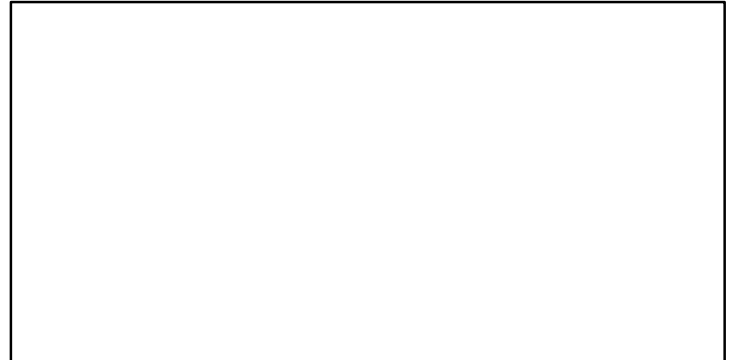
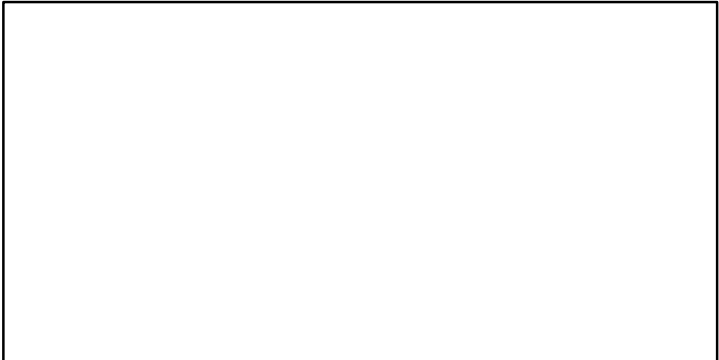
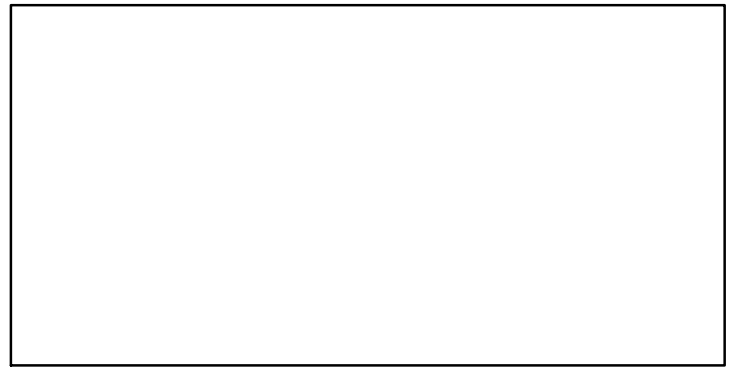
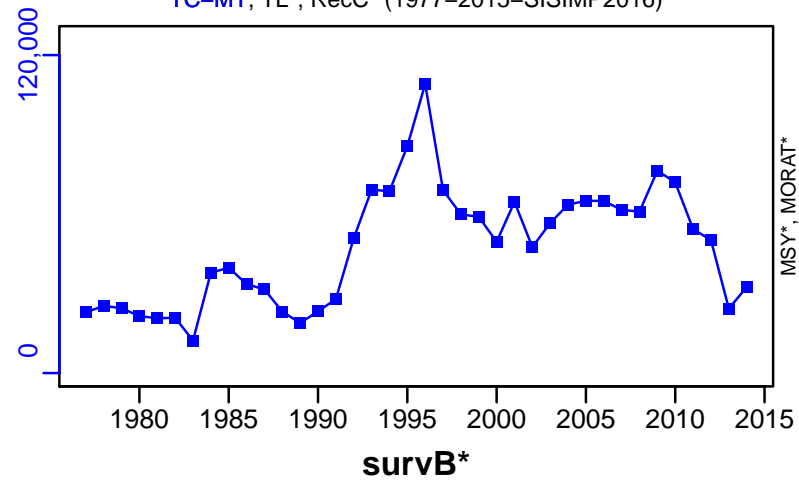
R-E00 (1977-2015-SISIMP2016)



Atka mackerel Bering Sea and Aleutian Islands [ATKABSAI]

TC-MT, TL*, RecC* (1977-2015-SISIMP2016)

TAC*, Cpair*, Cadv*



Atka mackerel Gulf of Alaska [ATKAGA]

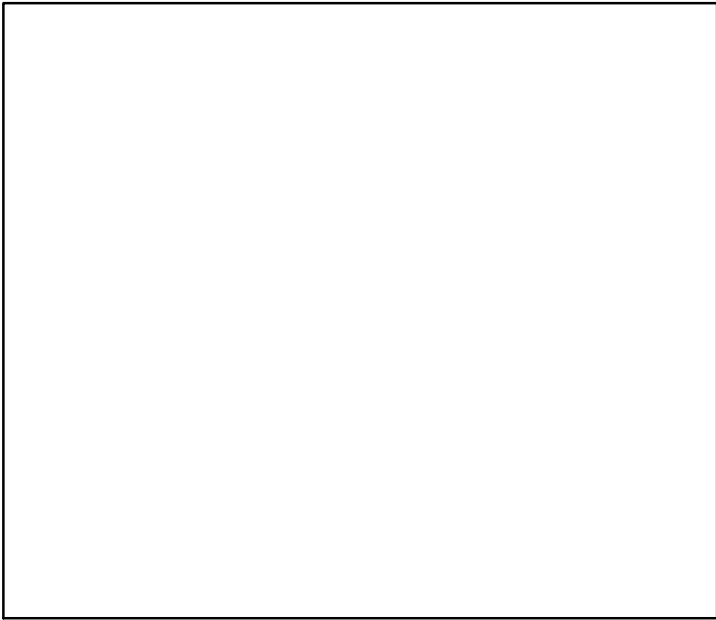
Metadata	
Scientific Name	Pleurogrammus monopterygius
Current Assess ID	AFSC-ATKAGA-1977-2014-SISIMP2016
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2014

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

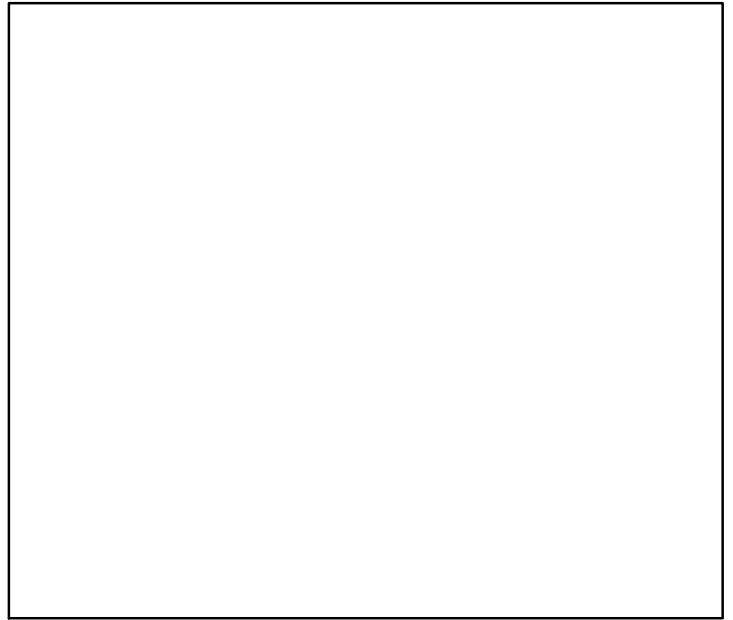
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2014	1040		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Atka mackerel Gulf of Alaska [ATKAGA]

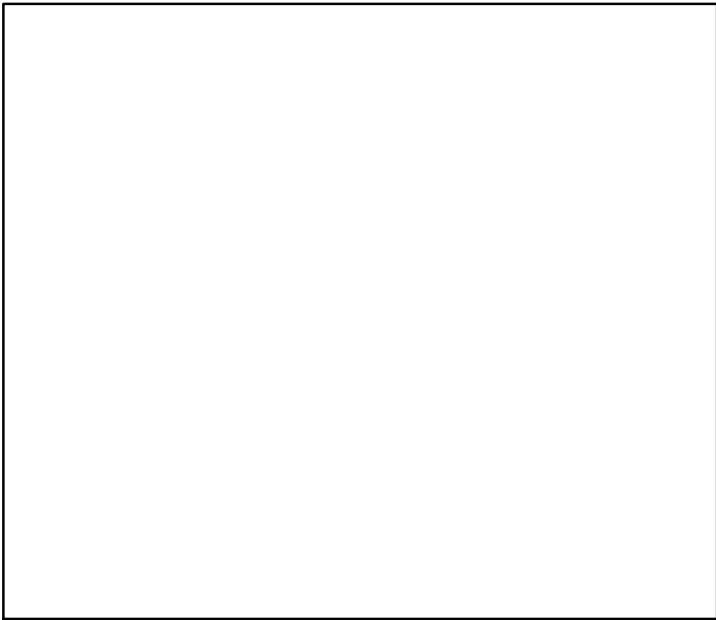
Kobe MSY*



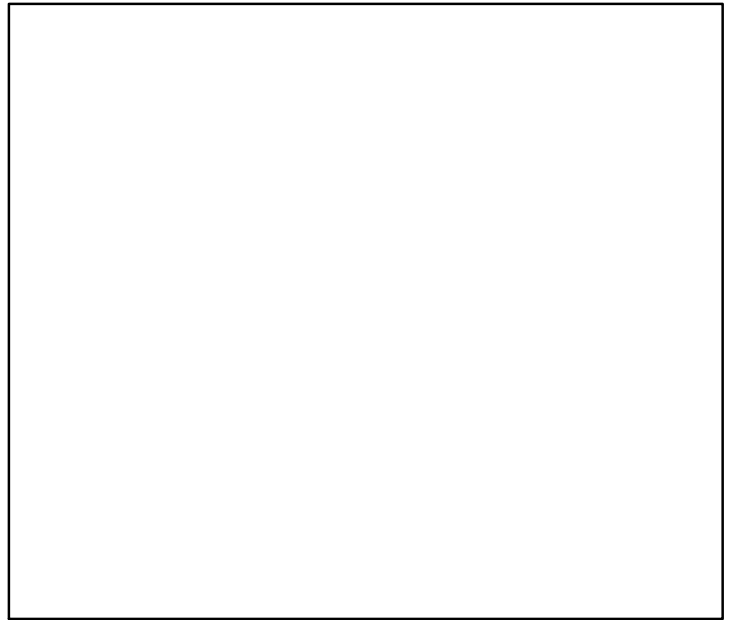
Kobe MGT*



Spawner Recruit*



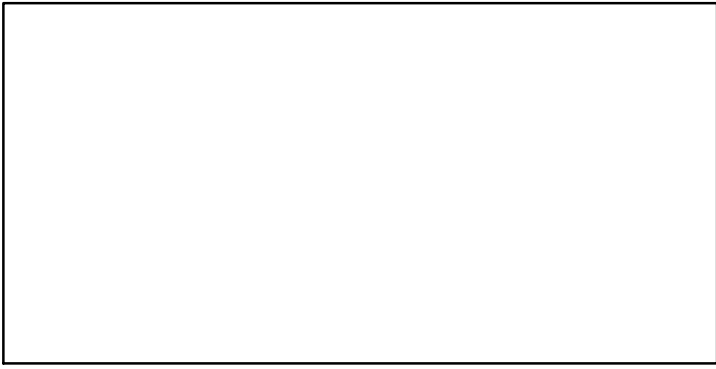
Production*



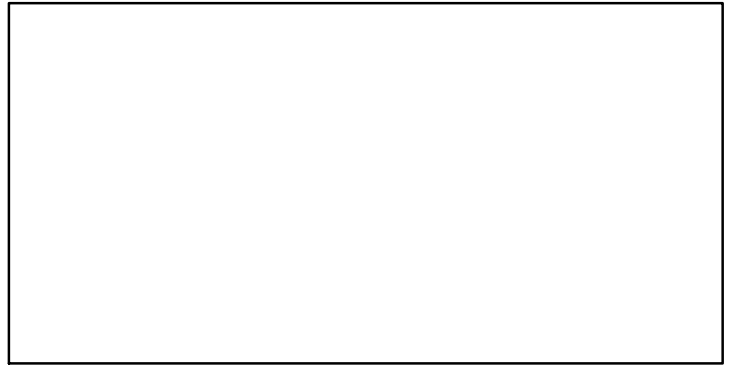
◆ Start Year ◆ End Year * No Data

Atka mackerel Gulf of Alaska [ATKAGA]

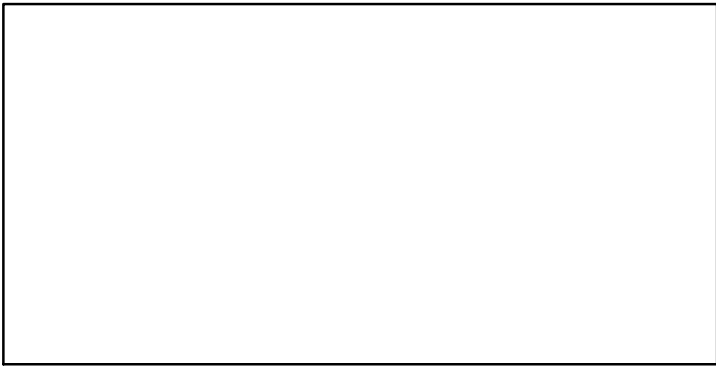
TB*



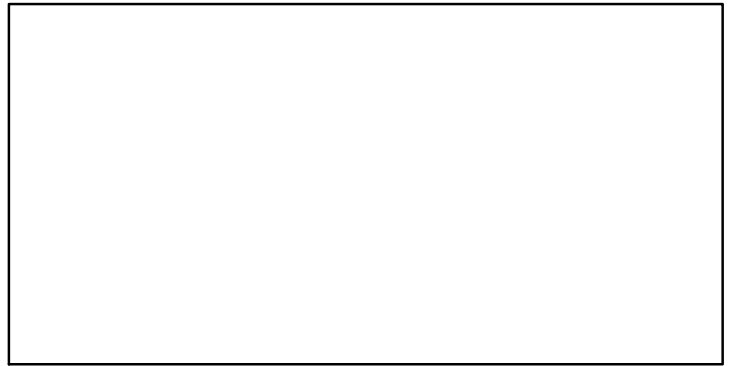
SSB*



TN *



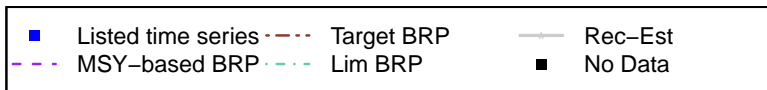
F*



ER*



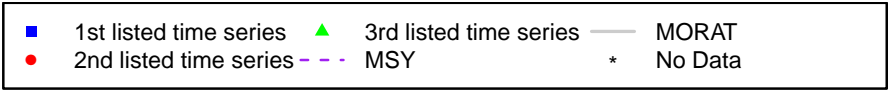
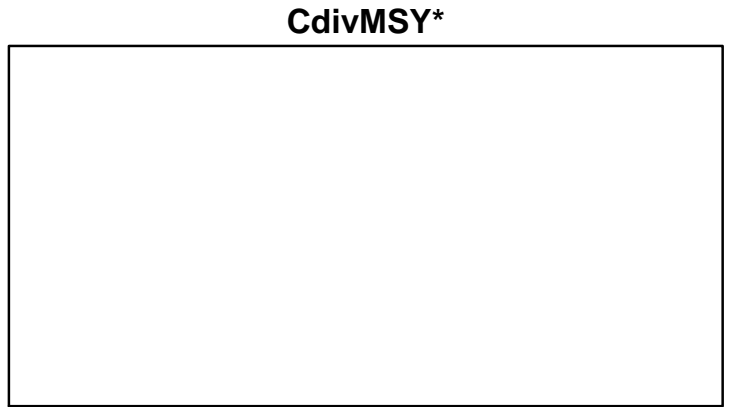
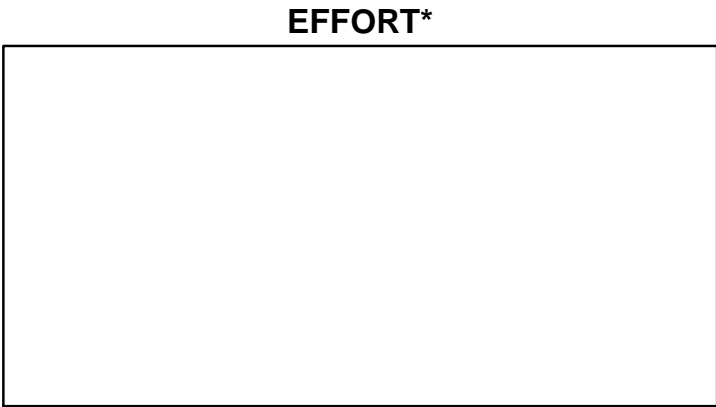
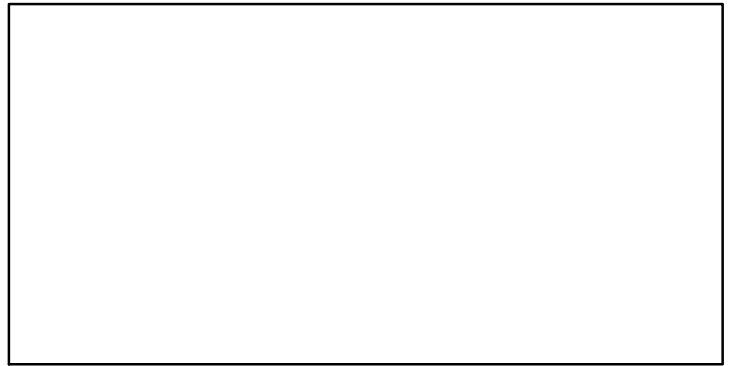
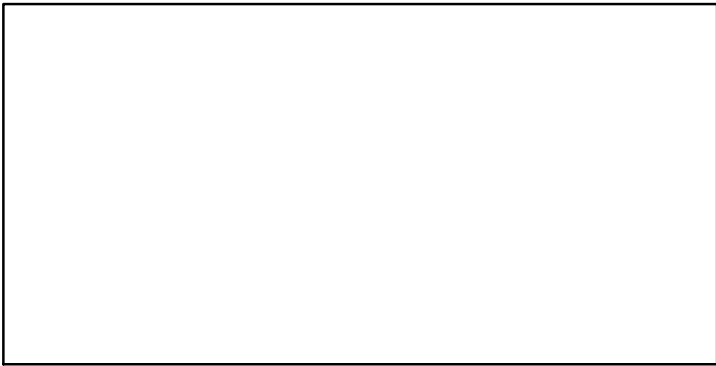
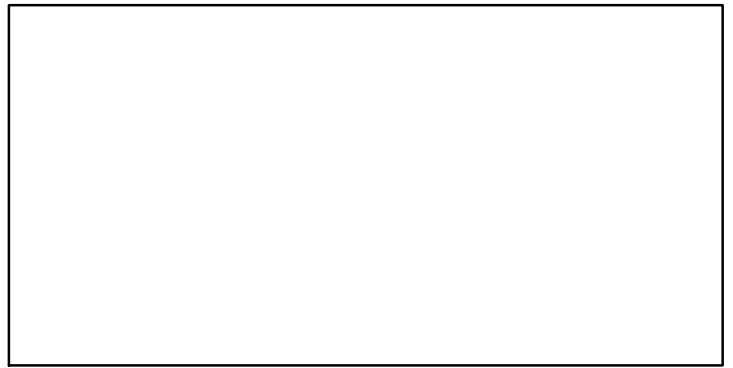
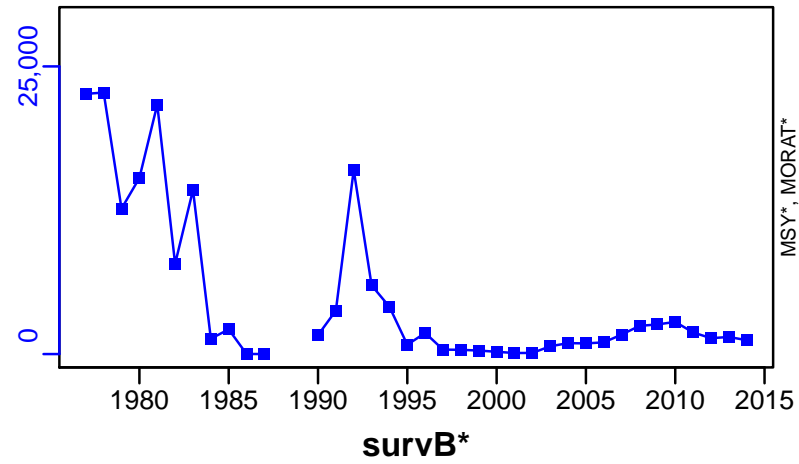
Recruits*



Atka mackerel Gulf of Alaska [ATKAGA]

TC-MT, TL*, RecC* (1977-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



Cabezon Northern California [CABEZNCAL]

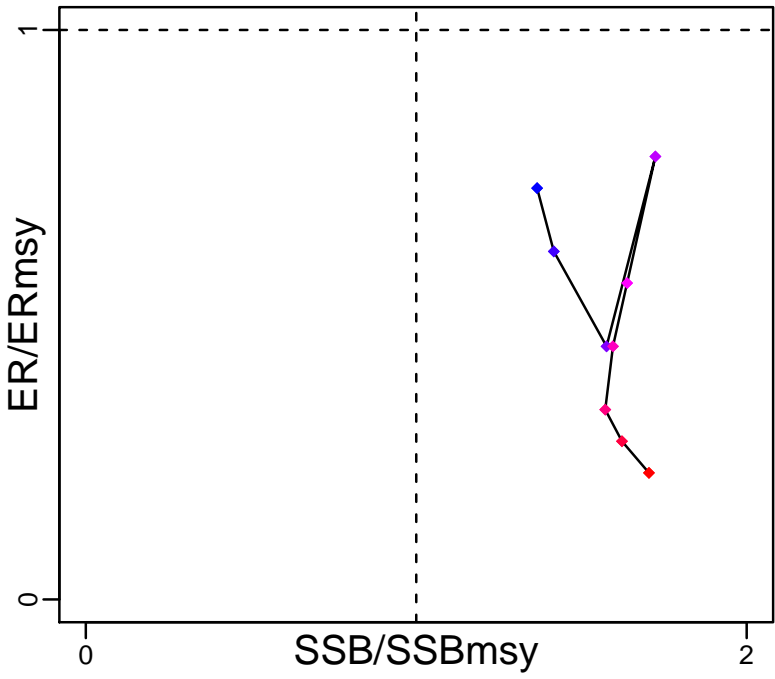
Metadata	
Scientific Name	Scorpaenichthys marmoratus
Current Assess ID	PFMC-CABEZNCAL-1930-2009-CHING
Area	Northern California
Management Authority	National Marine Fisheries Service, US national management
Assessor	Pacific Fishery Management Council
Asmts in RAM	2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2009	717
SSBmsy	SSBmsy-MT	2009	257
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2009	0.18
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	TB0-MT	2009	1835
SSB0	SSB0-MT	2009	1036
MSY	MSY-MT	2009	129
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

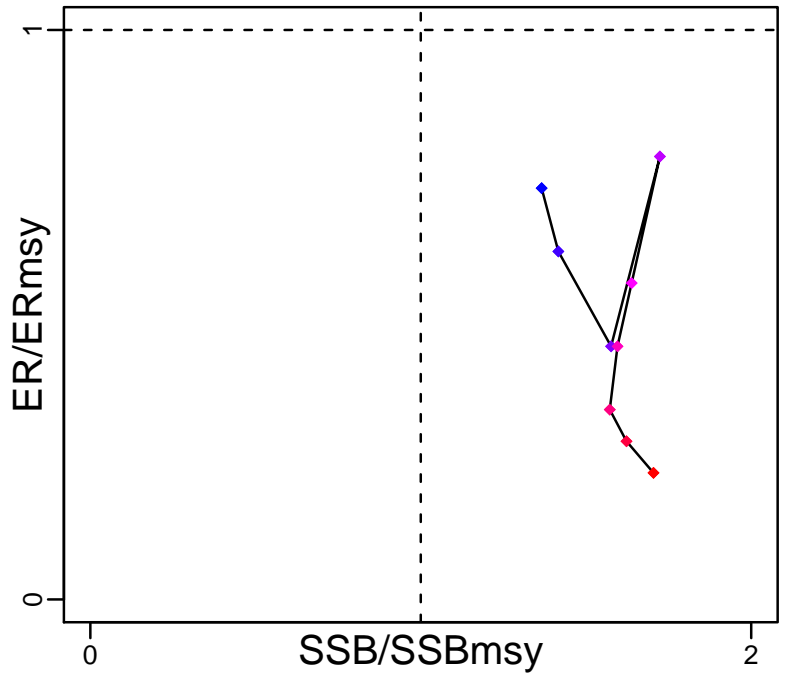
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2009	483	Both	2+
SSB	SSB-MT	2009	469	Females	3+
TN	-	-	-	-	-
R	R-E00	2009	776	-	-
F	-	-	-	-	-
ER	ER-ratio	2009	0.04	-	-
TC	TC-MT	2009	39		
TL	TL-MT	2009	20		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2009	0.674		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2009	1.825		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2009	0.222		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Cabazon Northern California [CABEZNCAL]

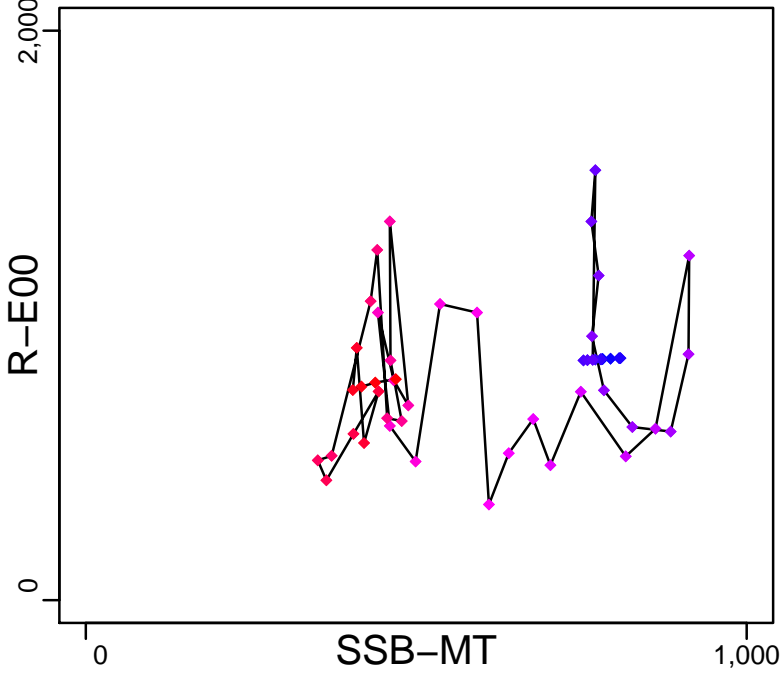
Kobe MSYpref (1930–2009–CHING)



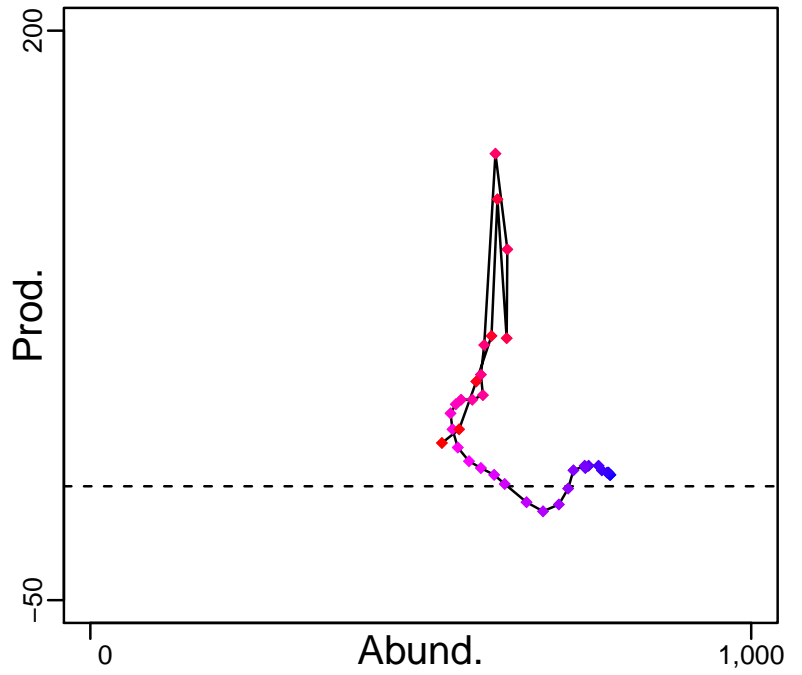
Kobe MGTpref (1930–2009–CHING)



Spawner Recruit (1930–2009–CHING)



Production (1930–2009–CHING)

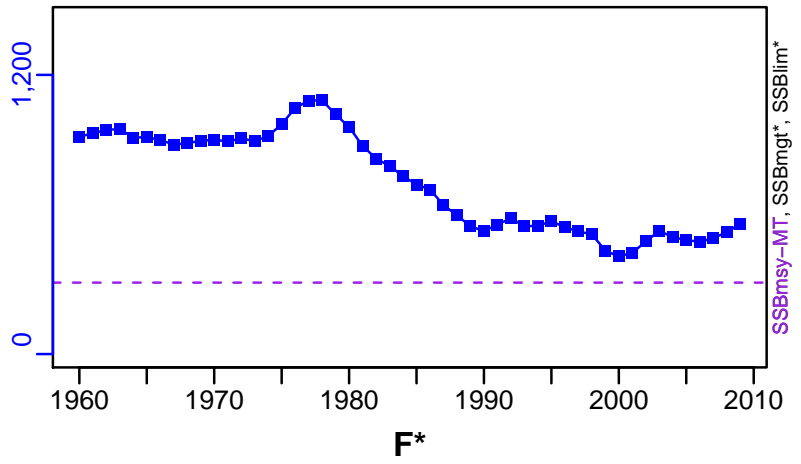
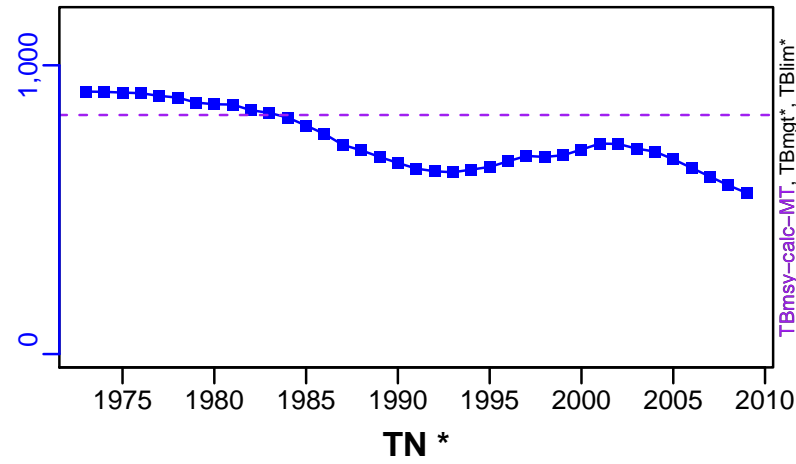


◆ Start Year ◆ End Year * No Data

Cabazon Northern California [CABEZNCAL]

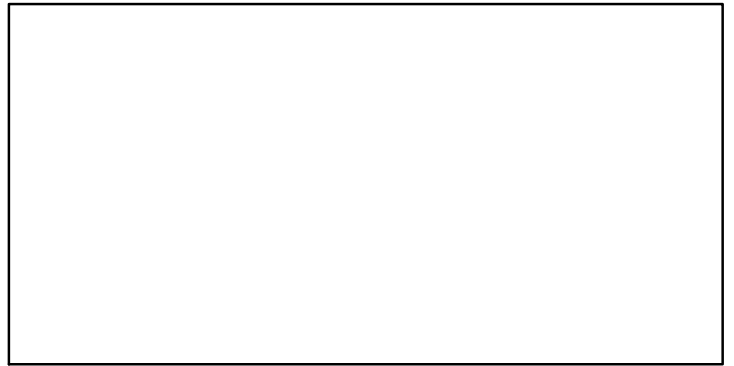
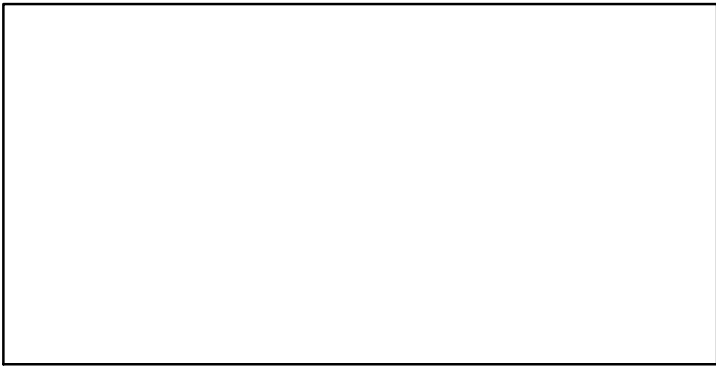
TB-MT (1930-2009-CHING)

SSB-MT (1930-2009-CHING)



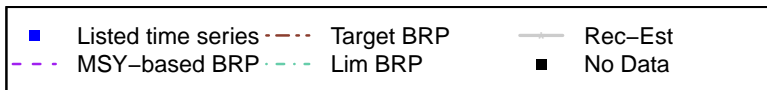
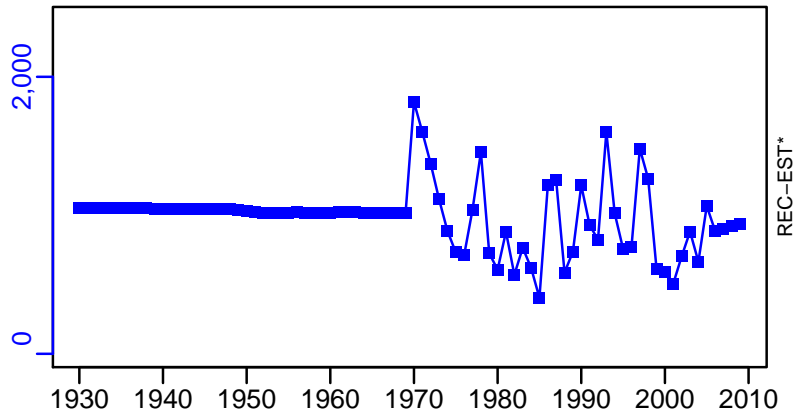
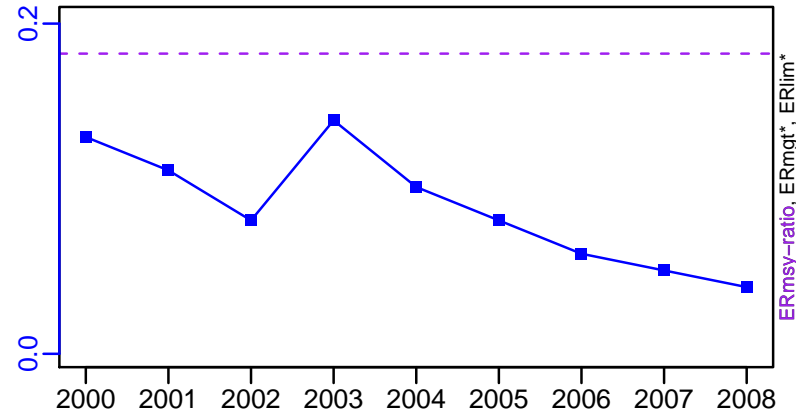
TN *

F*



ER-ratio (1930-2009-CHING)

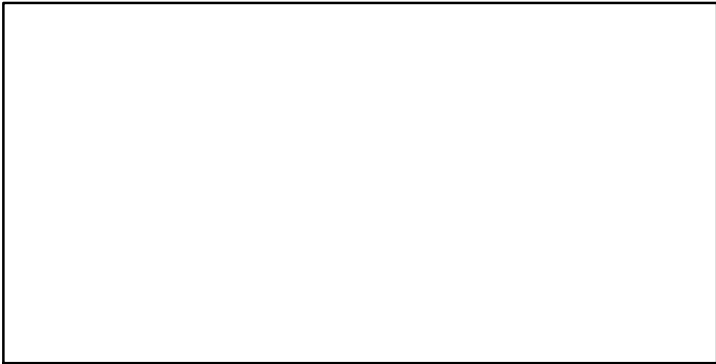
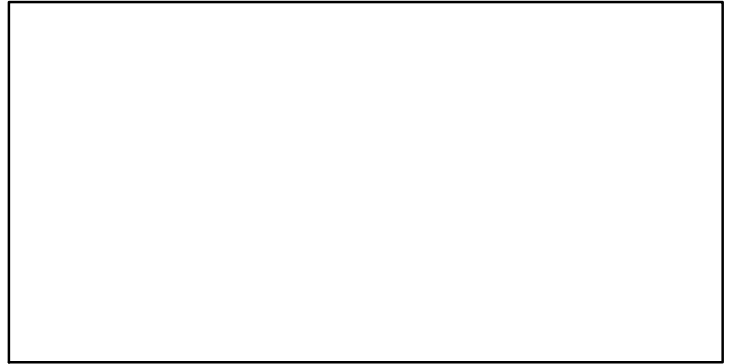
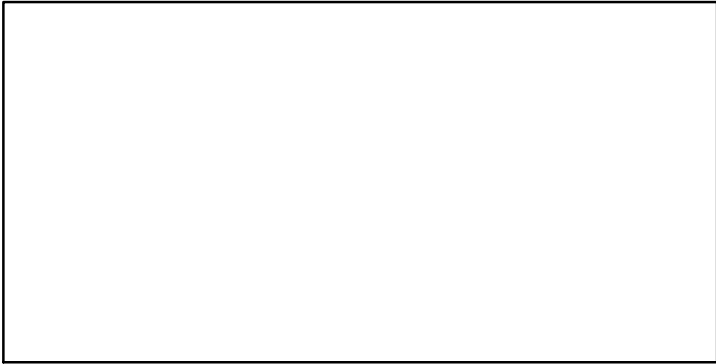
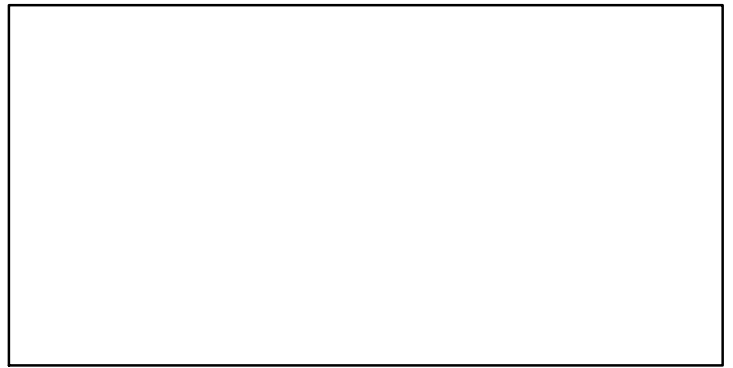
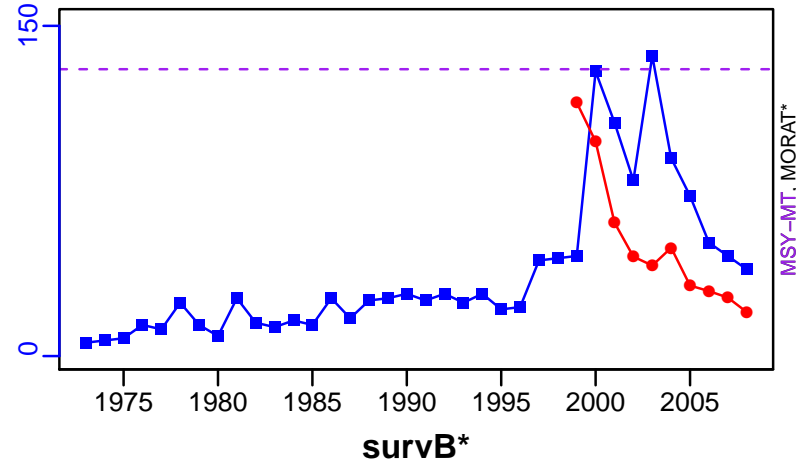
R-E00 (1930-2009-CHING)



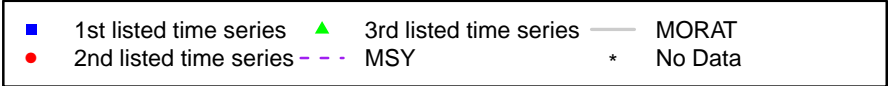
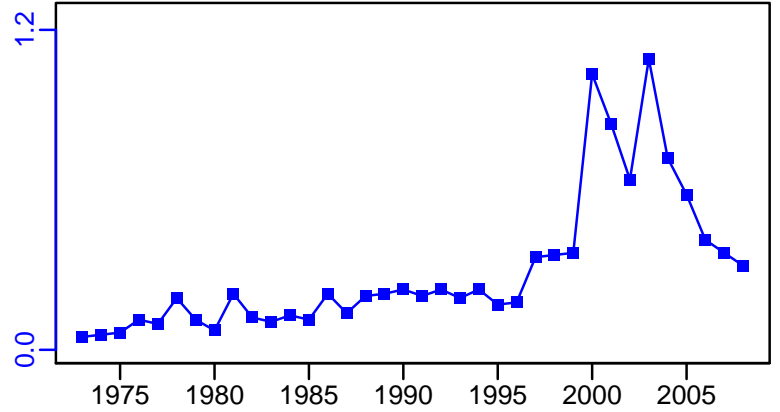
Cabezon Northern California [CABEZNCAL]

TC-MT, TL-MT, RecC* (1930-2009-CHING)

TAC*, Cpair*, Cadv*



CdivMSY-ratio (1930-2009-CHING)



Cabezon Oregon Coast [CABEZORECOAST]

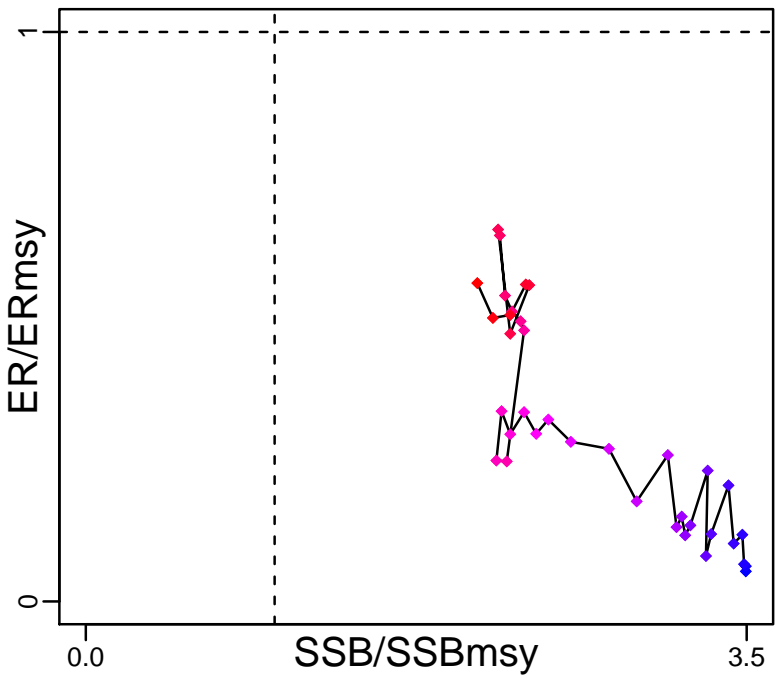
Metadata	
Scientific Name	Scorpaenichthys marmoratus
Current Assess ID	NWFSC-CABEZORECOAST-1973-2009-STACHURA
Area	Oregon Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northwest Fisheries Science Center
Asmts in RAM	2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2009	300
SSBmsy	SSBmsy-MT	2009	109
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2009	0.16
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-MT	2009	409
MSY	MSY-MT	2009	48
M	M-1/yr	2009	0.25
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

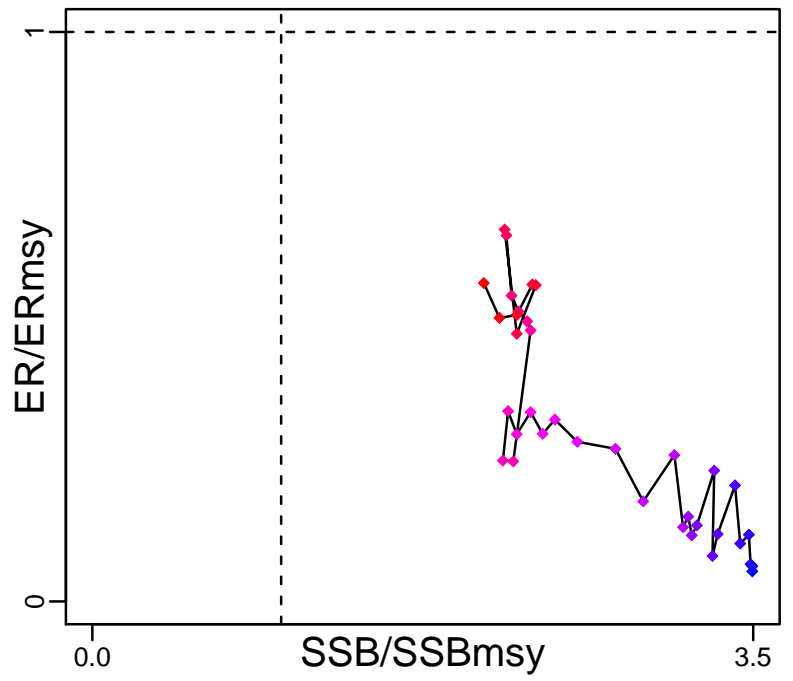
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2009	455	-	2+
SSB	SSB-MT	2009	214	Females	3.86
TN	-	-	-	-	-
R	R-E00	2009	178,000	-	0
F	F-1/yr	2009	0.742	-	-
ER	ER-calc-ratio	2009	0.089	-	-
TC	TC-MT	2009	43		
TL	TL-MT	2009	43		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2009	1.517		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2009	1.963		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-ratio	2009	0.559		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Cabezon Oregon Coast [CABEZORECOAST]

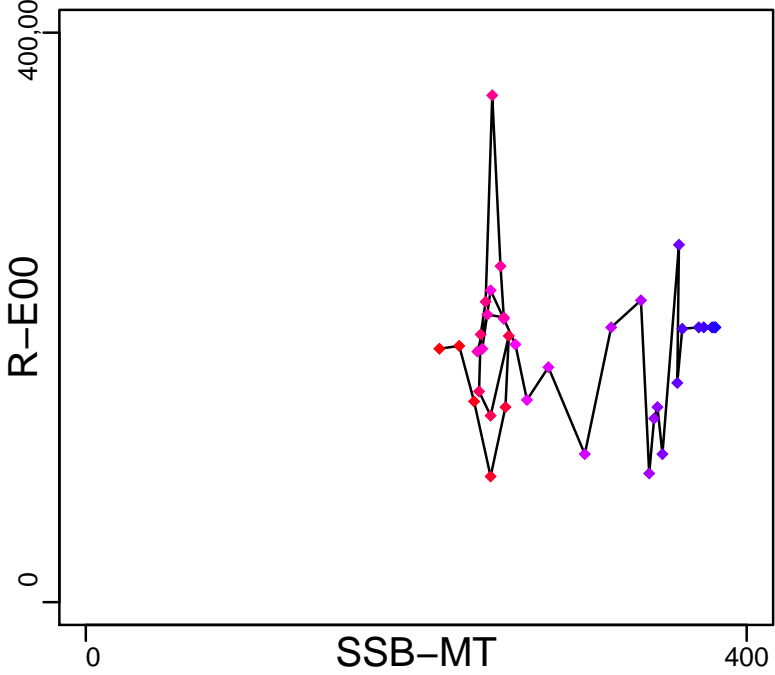
Kobe MSYpref (1973-2009-STACHURA)



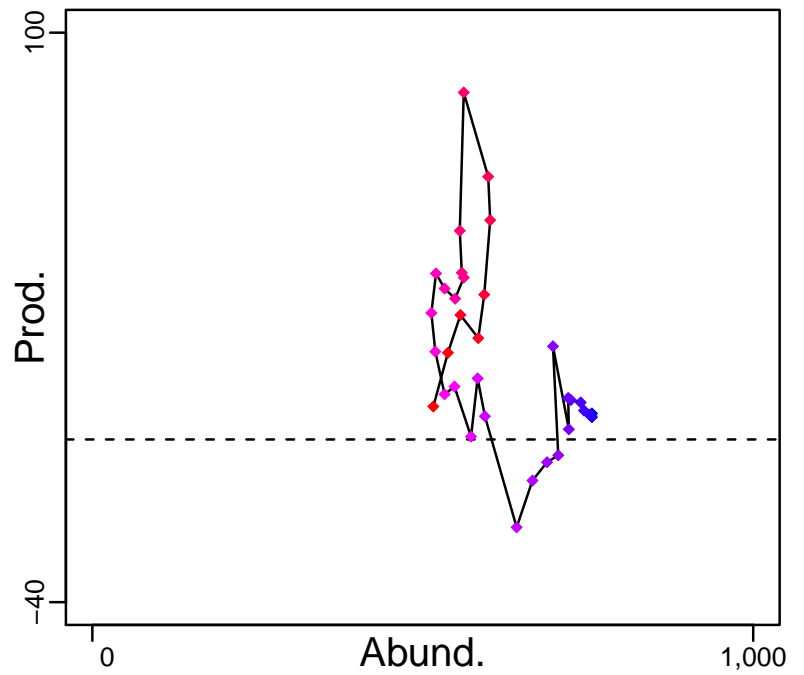
Kobe MGTpref (1973-2009-STACHURA)



Spawner Recruit (1973-2009-STACHURA)



Production (1973-2009-STACHURA)

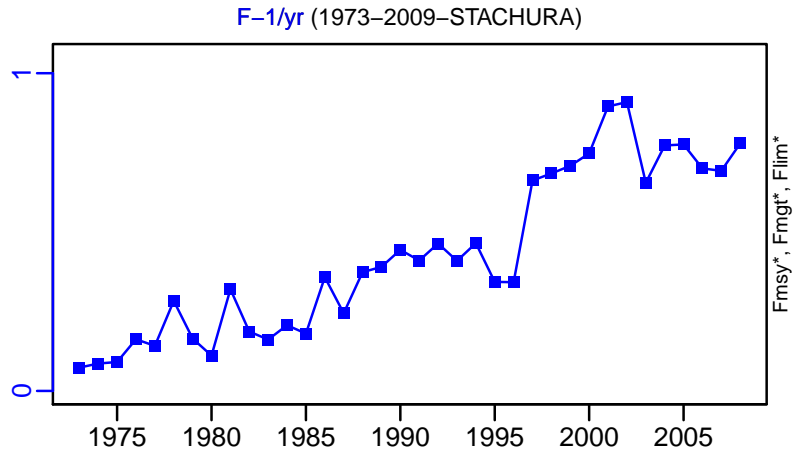
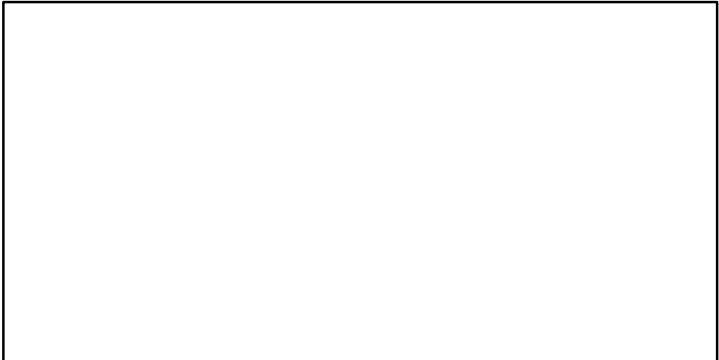
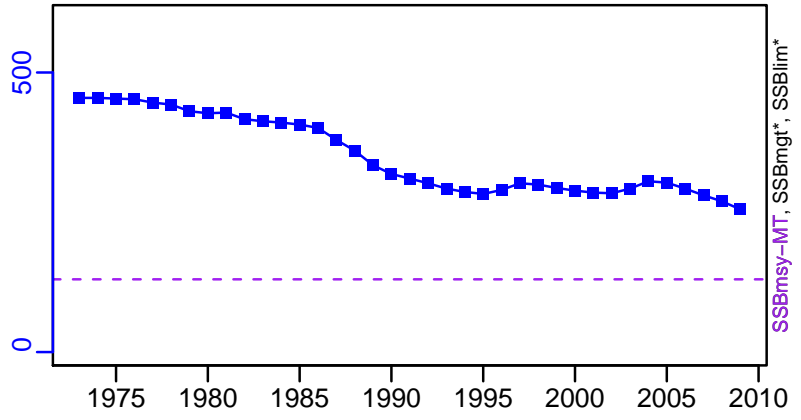
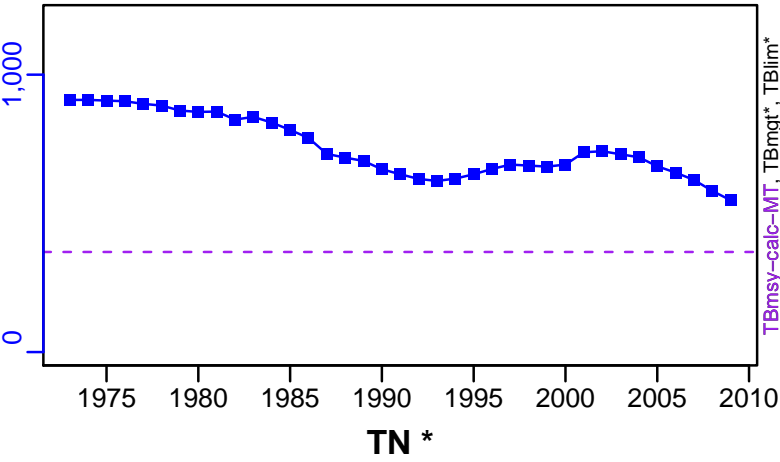


◆ Start Year ◆ End Year * No Data

Cabezon Oregon Coast [CABEZORECOAST]

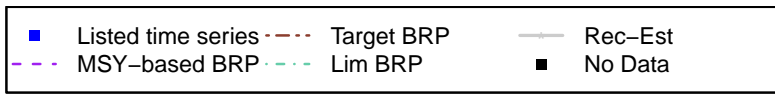
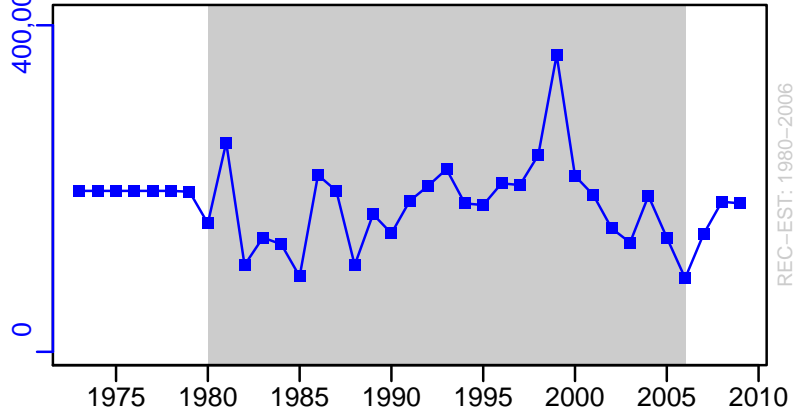
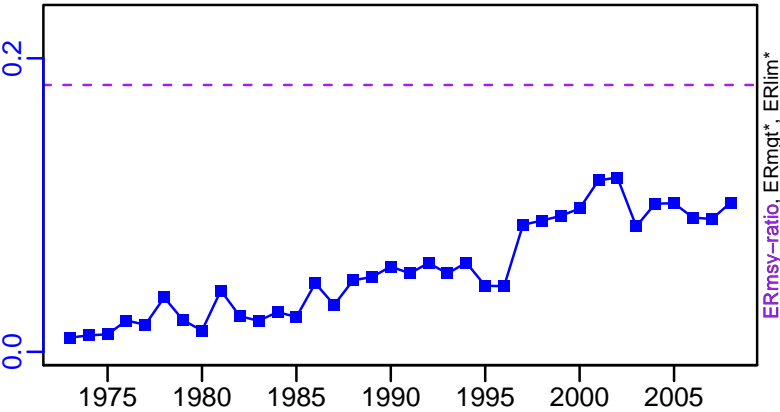
TB-MT (1973-2009-STACHURA)

SSB-MT (1973-2009-STACHURA)



ER-calc-ratio (1973-2009-STACHURA)

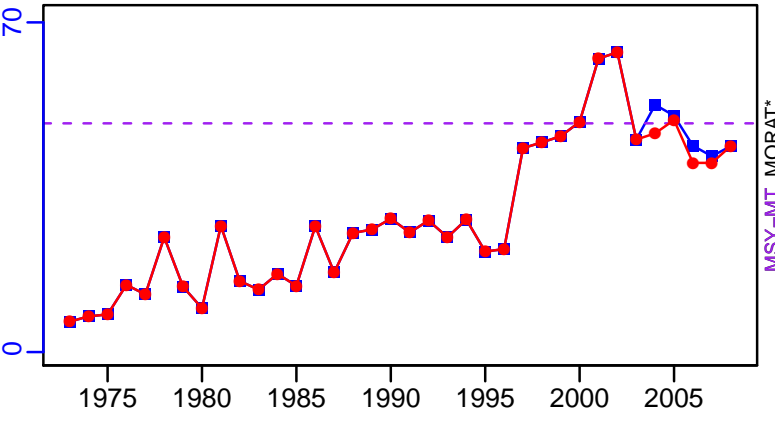
R-E00 (1973-2009-STACHURA)



Cabezon Oregon Coast [CABEZORECOAST]

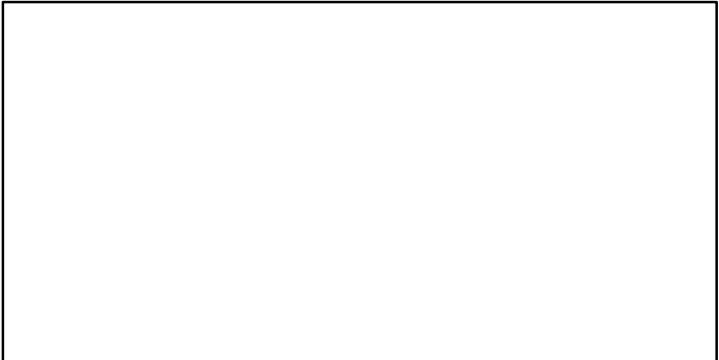
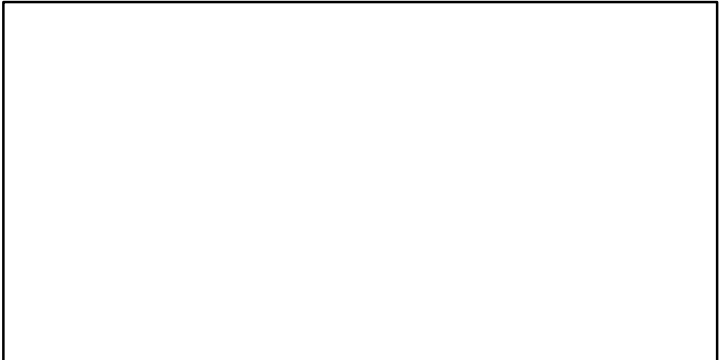
TC-MT, TL-MT, RecC* (1973-2009-STACHURA)

TAC*, Cpair*, Cadv*



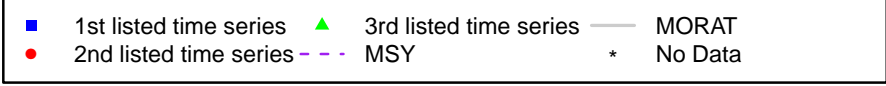
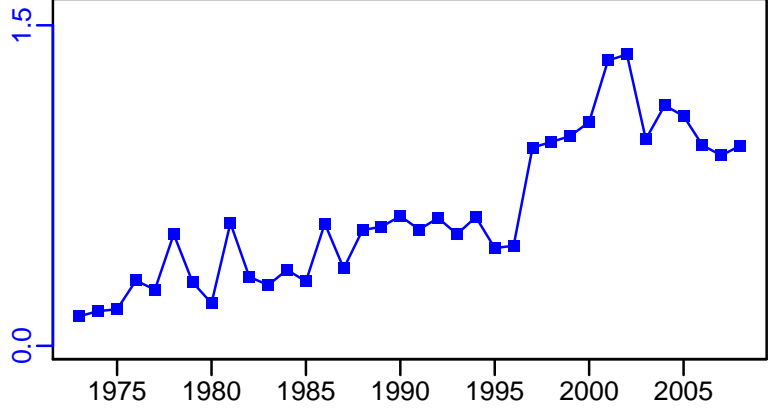
survB*

CPUE*



EFFORT*

CdivMSY-ratio (1973-2009-STACHURA)



Cabezon Southern California [CABEZSCAL]

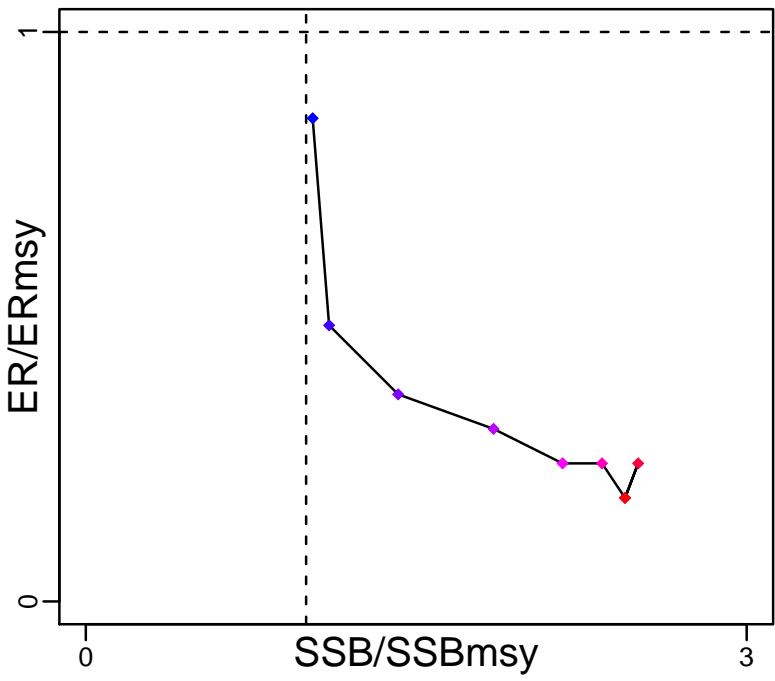
Metadata	
Scientific Name	Scorpaenichthys marmoratus
Current Assess ID	PFMC-CABEZSCAL-1930-2009-CHING
Area	Southern California
Management Authority	National Marine Fisheries Service, US national management
Assessor	Pacific Fishery Management Council
Asmts in RAM	2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2009	182
SSBmsy	SSBmsy-MT	2009	67
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2009	0.165
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	TB0-MT	2009	470
SSB0	SSB0-MT	2009	263
MSY	MSY-MT	2009	30
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

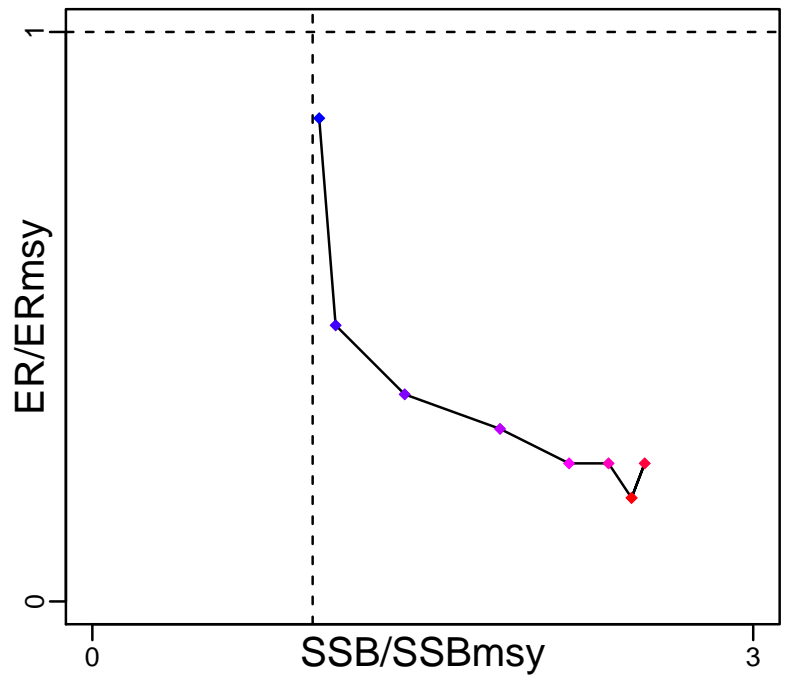
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2009	789	Both	2+
SSB	SSB-MT	2009	158	Females	3+
TN	-	-	-	-	-
R	R-E00	2009	192	-	-
F	-	-	-	-	-
ER	ER-ratio	2009	0.03	-	-
TC	TC-MT	2009	10		
TL	TL-MT	2009	3.9		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2009	4.34		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2009	2.358		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2009	0.182		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Cabezon Southern California [CABEZSCAL]

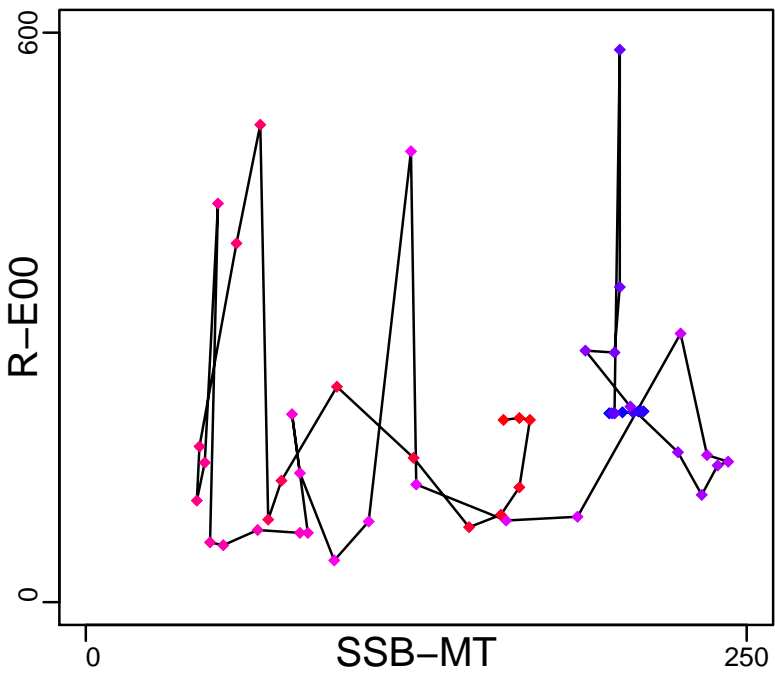
Kobe MSYpref (1930–2009–CHING)



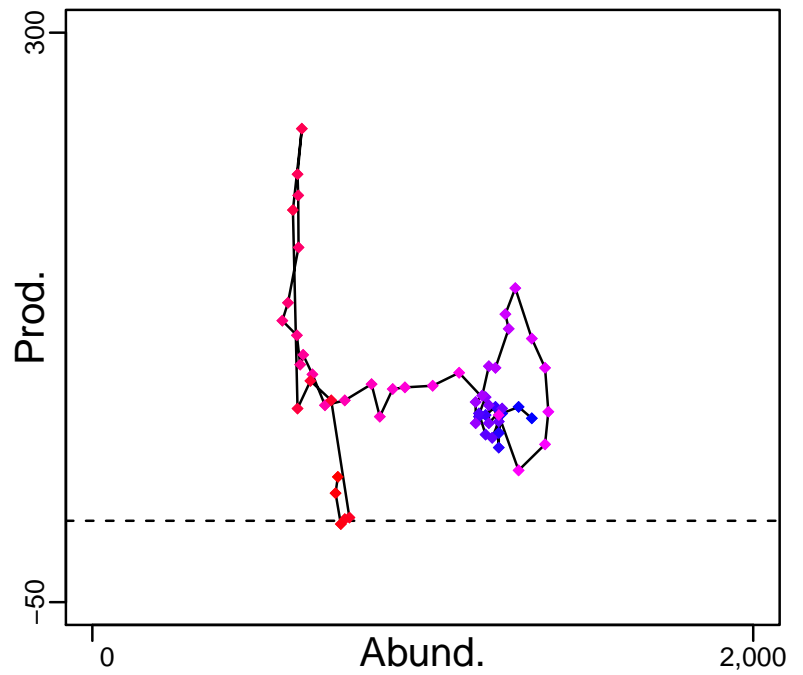
Kobe MGTpref (1930–2009–CHING)



Spawner Recruit (1930–2009–CHING)



Production (1930–2009–CHING)

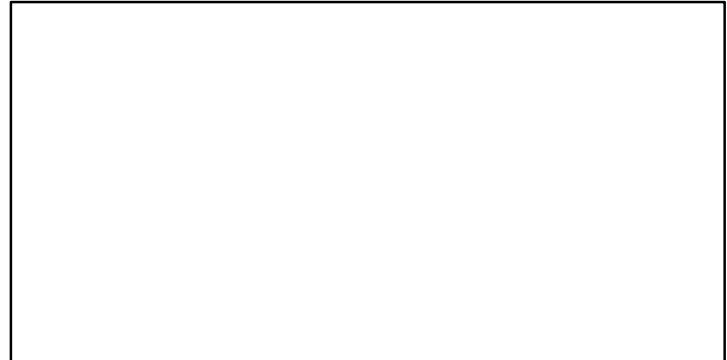
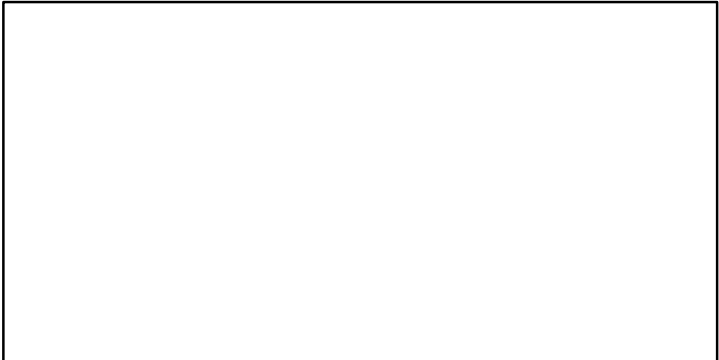
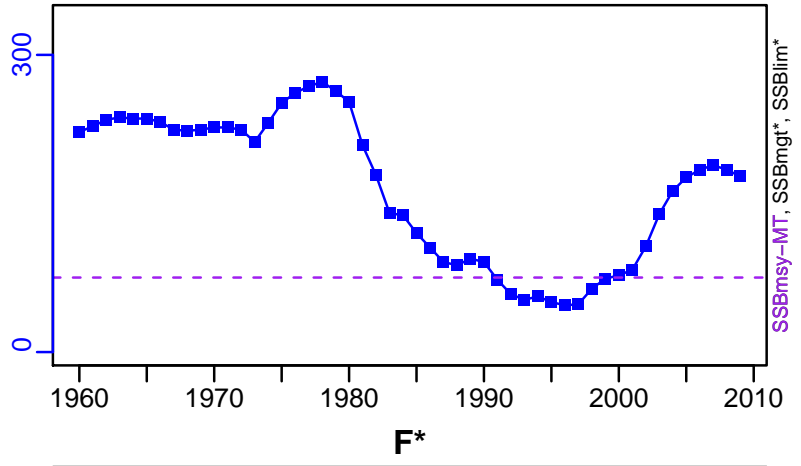
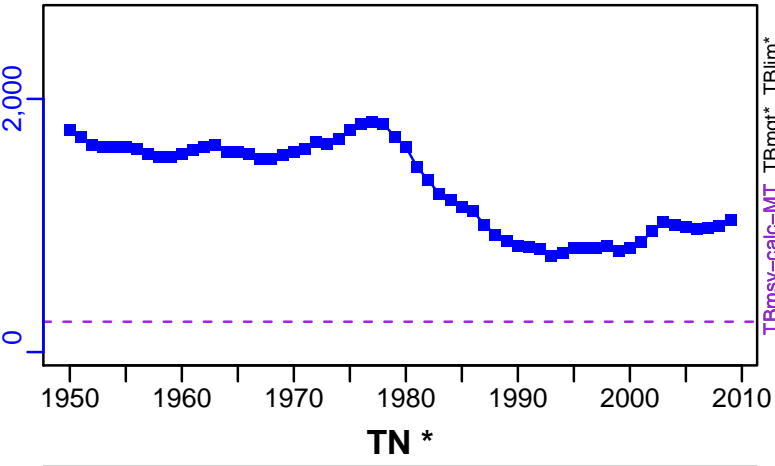


◆ Start Year ◆ End Year * No Data

Cabazon Southern California [CABEZSCAL]

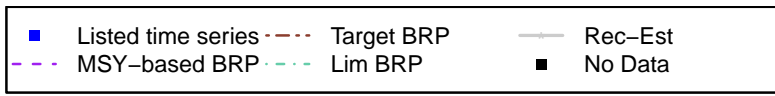
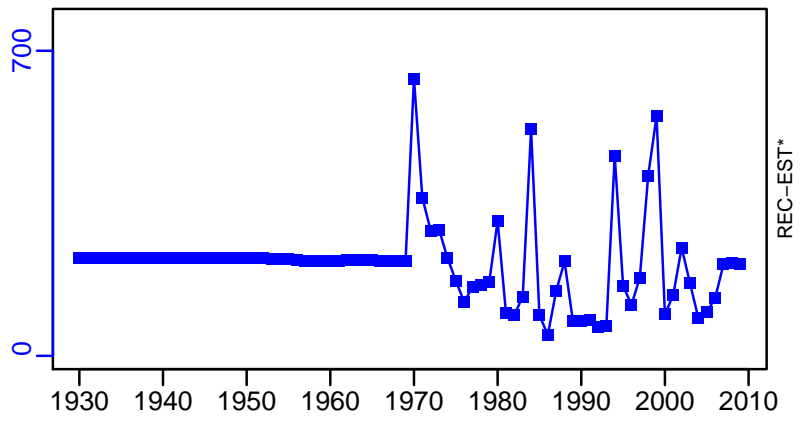
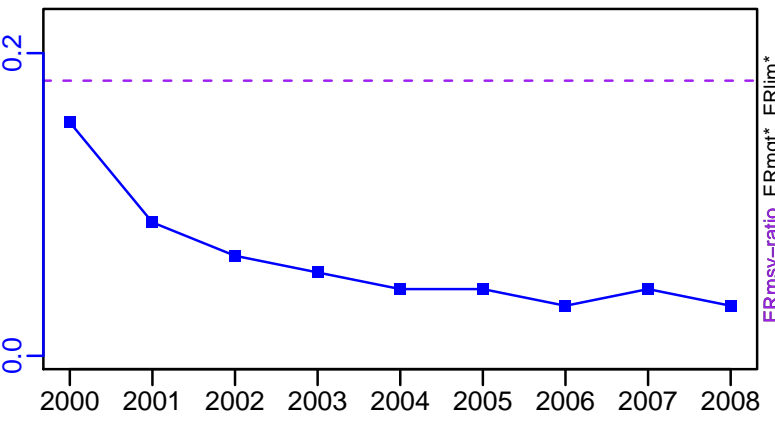
TB-MT (1930-2009-CHING)

SSB-MT (1930-2009-CHING)



ER-ratio (1930-2009-CHING)

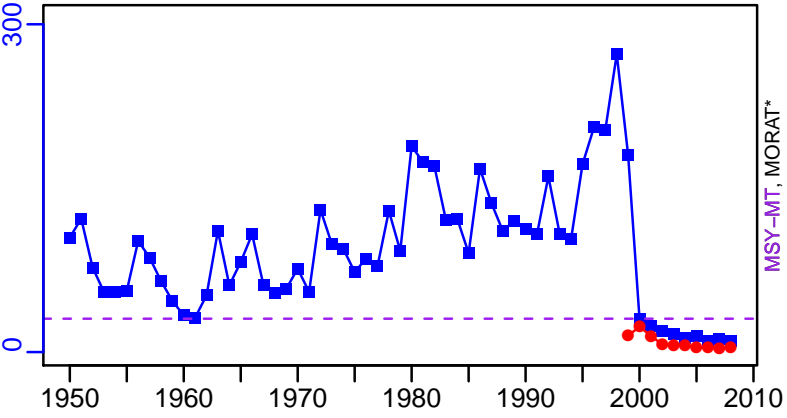
R-E00 (1930-2009-CHING)



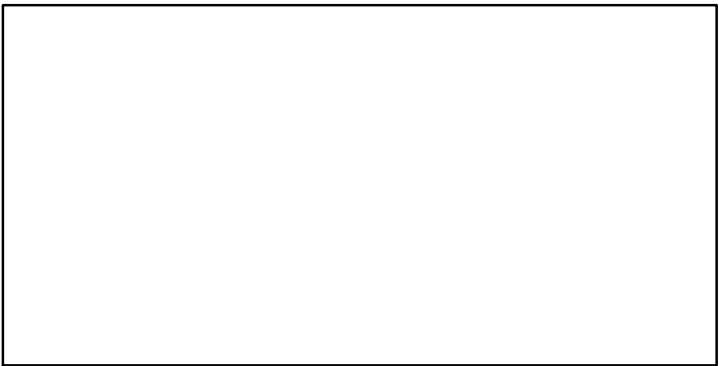
Cabezon Southern California [CABEZSCAL]

TC-MT, TL-MT, RecC* (1930-2009-CHING)

TAC*, Cpair*, Cadv*

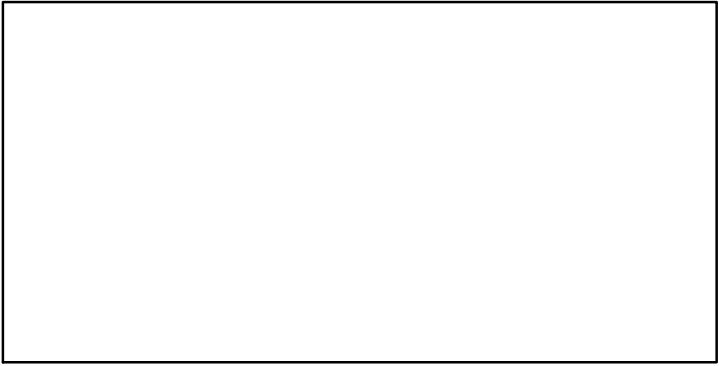
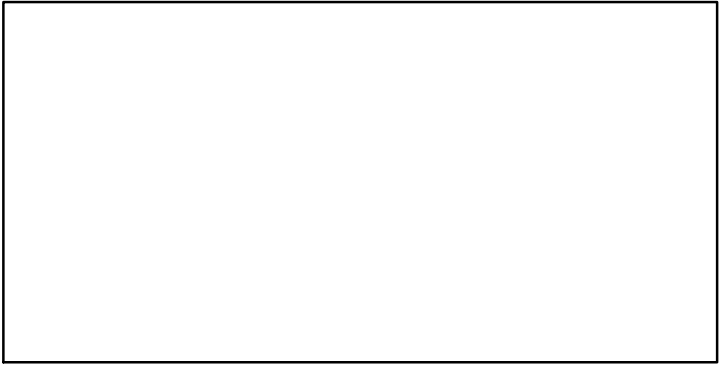


MSY-MT, MORAT*



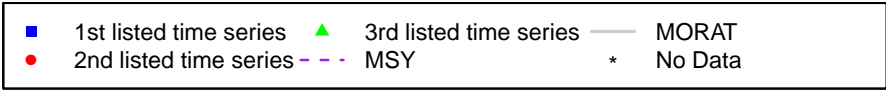
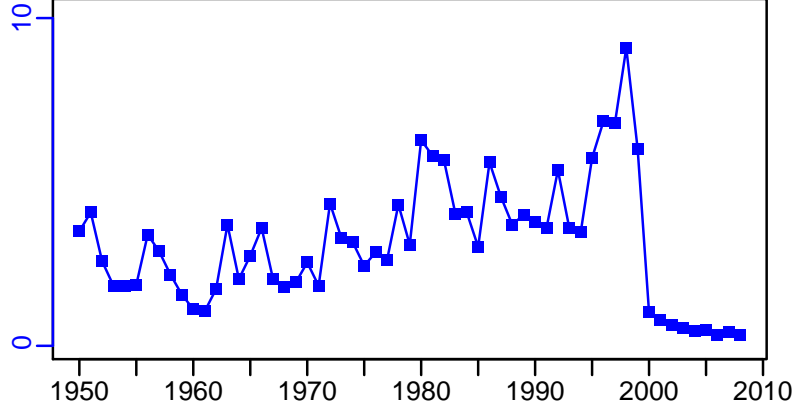
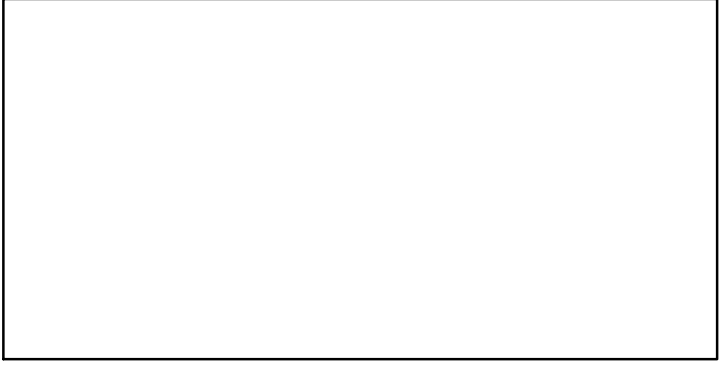
survB*

CPUE*



EFFORT*

CdivMSY-ratio (1930-2009-CHING)



California scorpionfish Southern California [CALSCORPSCAL]

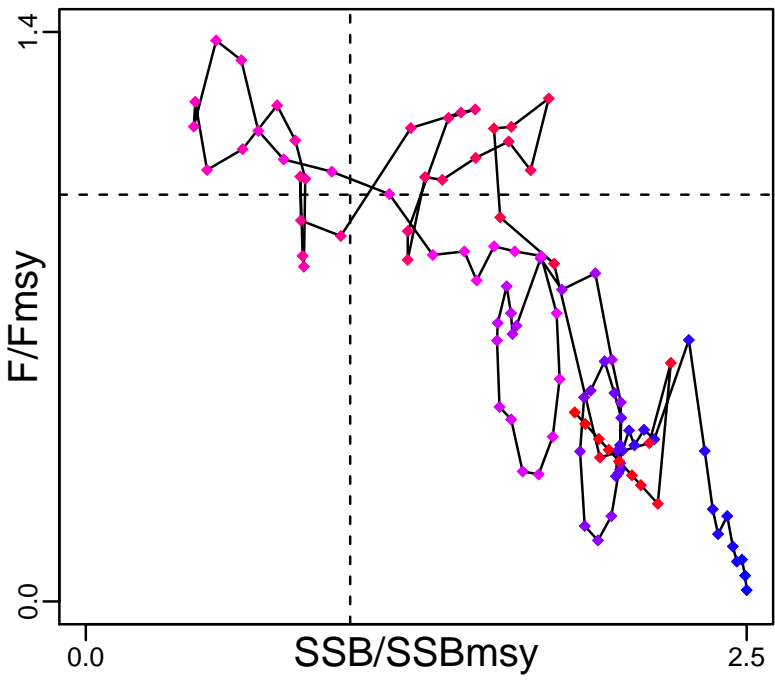
Metadata	
Scientific Name	Scorpaena guttata
Current Assess ID	SWFSC-CALSCORPSCAL-1914-2015-SISIMP2016
Area	Southern California
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southwest Fisheries Science Center
Asmts in RAM	2015, 2005

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2005	789
SSBmsy	SSBmsy-MT	2015	392
Fmsy	Fmsy-1/yr	2015	0.5
ERmsy	ERmsy-ratio	2005	0.161
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	TB0-MT	2005	2007
SSB0	SSB0-MT	2005	1024
MSY	MSY-MT	2005	127
M	M-1/yr	2005	0.25
TBlim	-	-	-
SSBlim	SSBlim-MT	2015	245
Flim	Flim-1/yr	2015	0.5
ERlim	-	-	-

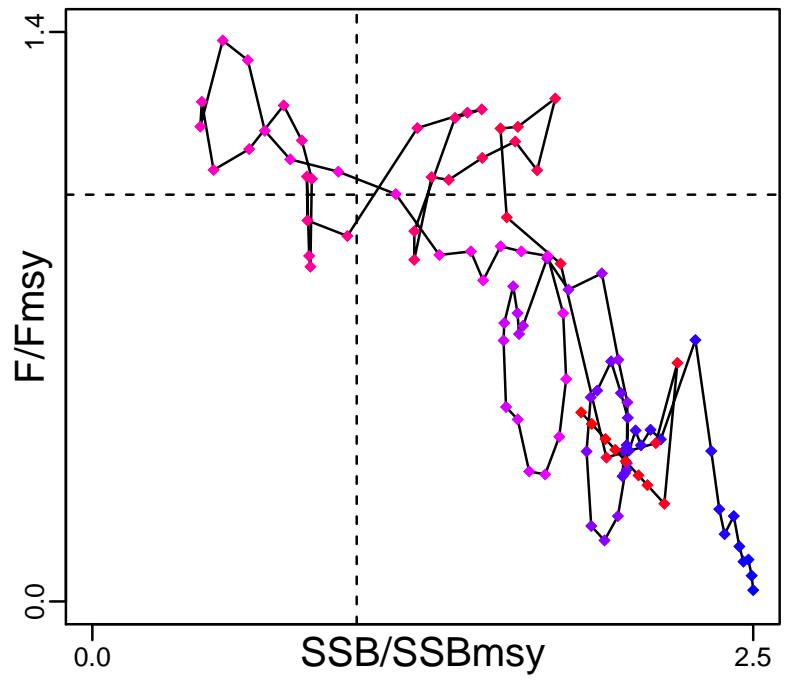
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	1550	-	2+
SSB	SSB-MT	2015	708	Females	-
TN	-	-	-	-	-
R	R-E00	2015	1900	-	0
F	F-1/yr	2015	0.232	-	-
ER	ER-calc-ratio	2015	0.078	-	-
TC	TC-MT	2015	124		
TL	TL-MT	2005	81		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2005	2.371		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.805		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.465		
ER/ERmsy	ER-ratio/ERmsy-ratio	2005	0.441		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

California scorpionfish Southern California [CALSCORPSCAL]

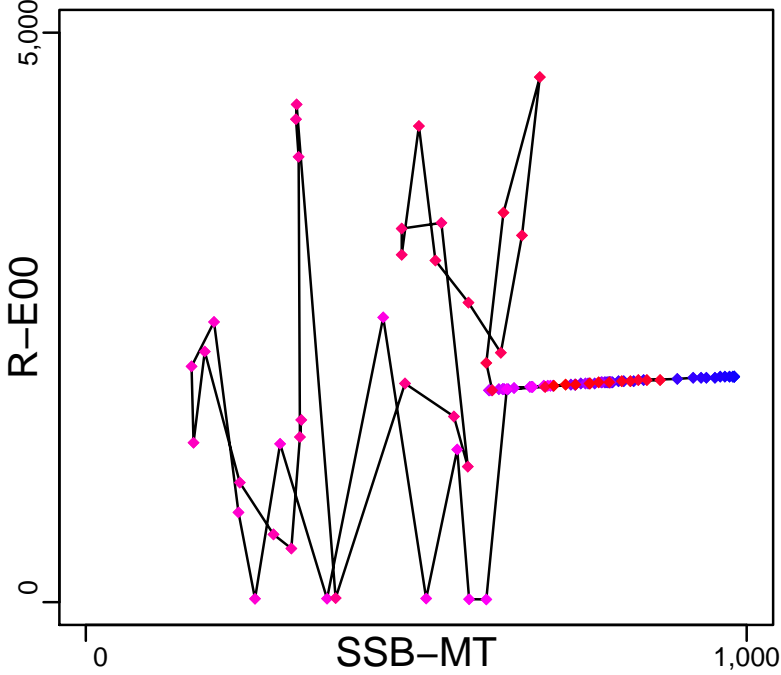
Kobe MSYpref (1914–2015–SISIMP2016)



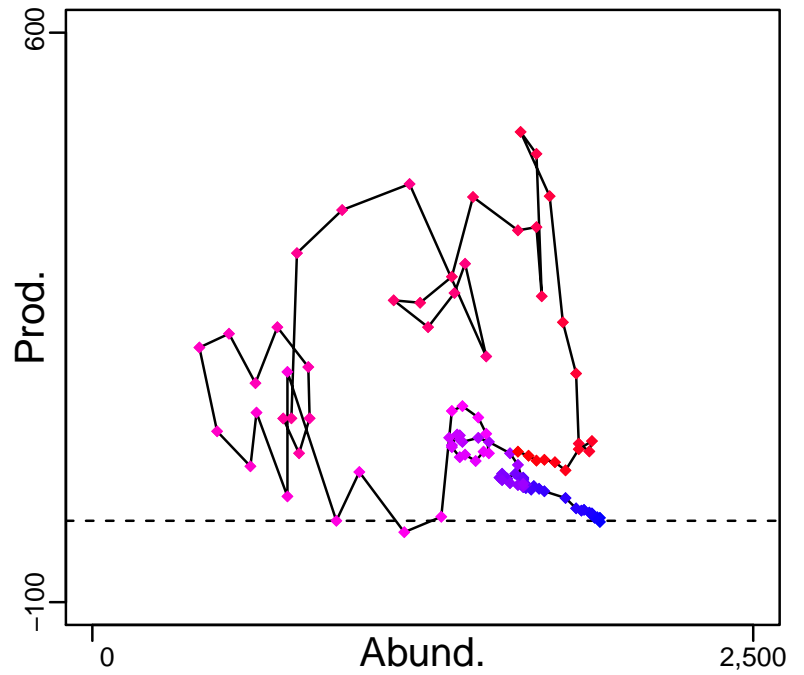
Kobe MGTpref (1914–2015–SISIMP2016)



Spawner Recruit (1914–2015–SISIMP2016)



Production (1914–2015–SISIMP2016)

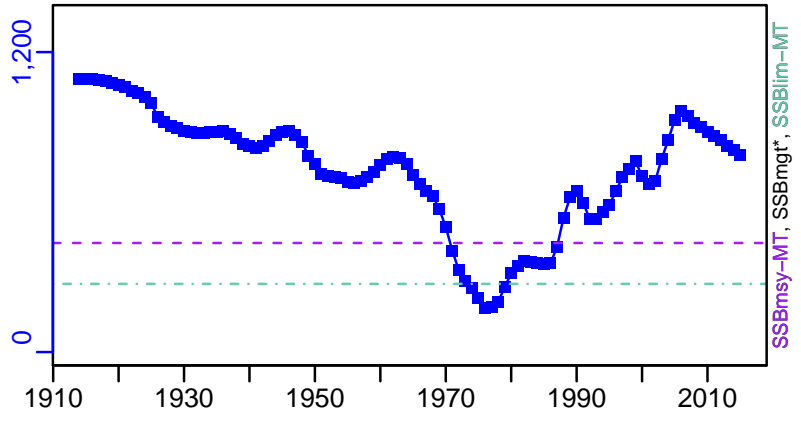
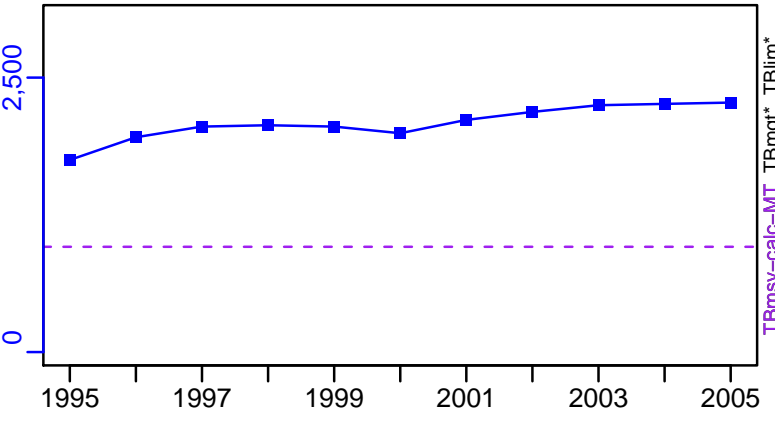


◆ Start Year ◆ End Year * No Data

California scorpionfish Southern California [CALSCORPSCAL]

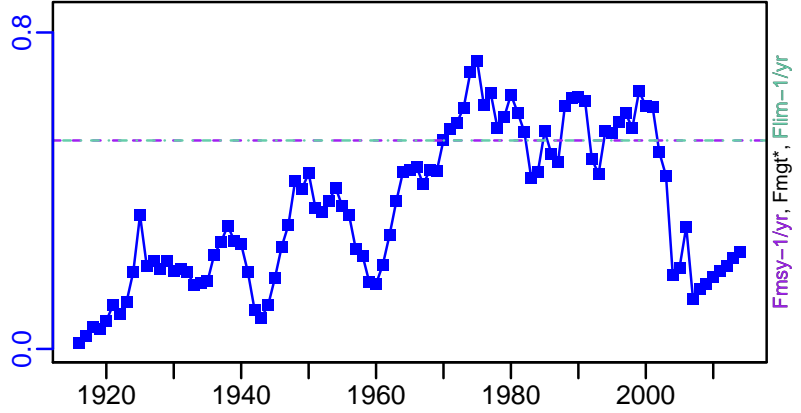
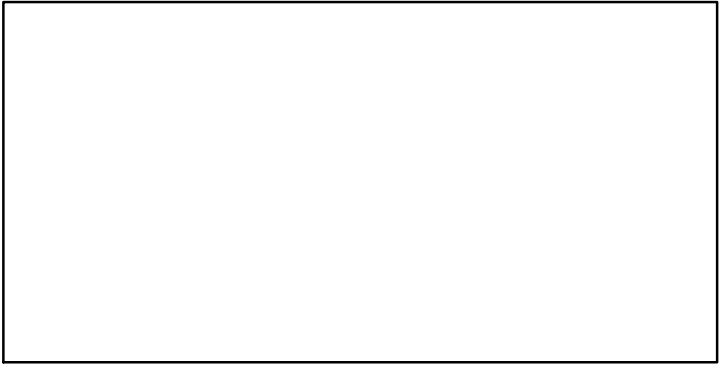
TB-MT (1990-2005-STANTON)

SSB-MT (1914-2015-SISIMP2016)



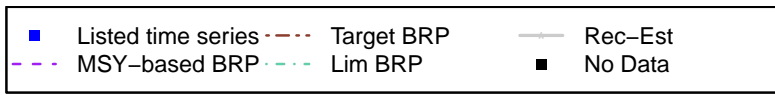
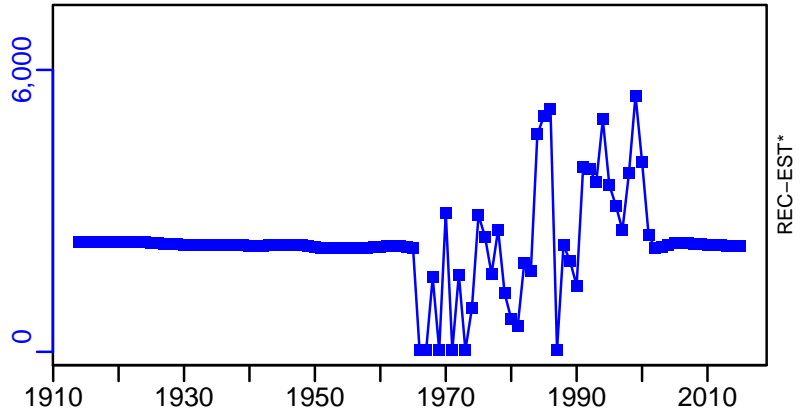
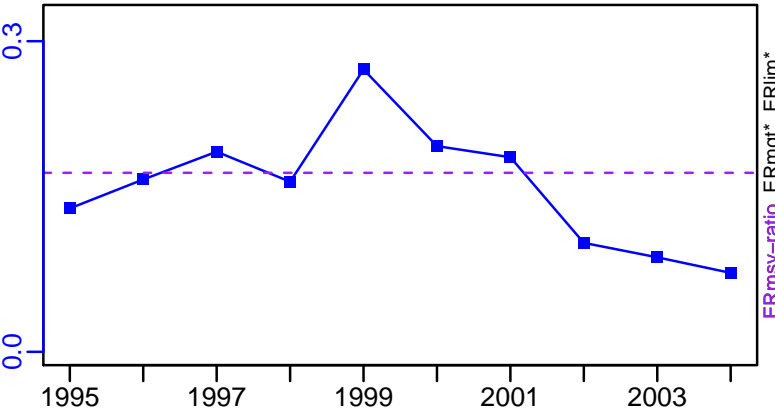
TN *

F-1/yr (1914-2015-SISIMP2016)



ER-ratio (1990-2005-STANTON)

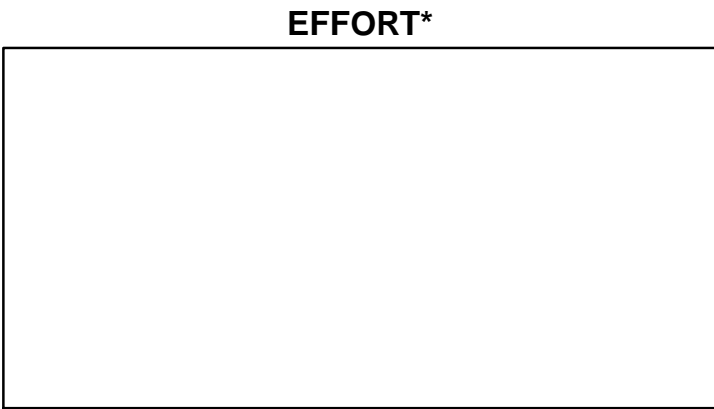
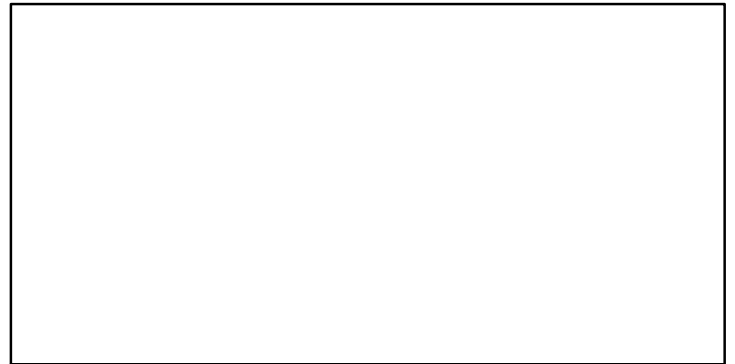
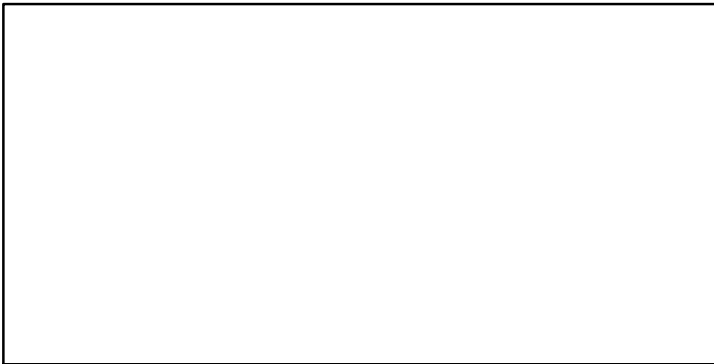
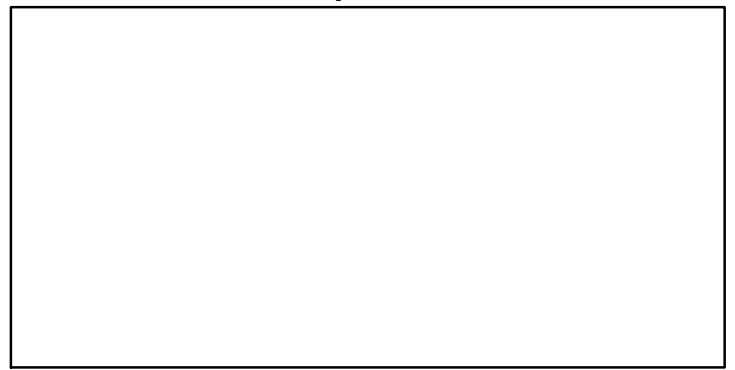
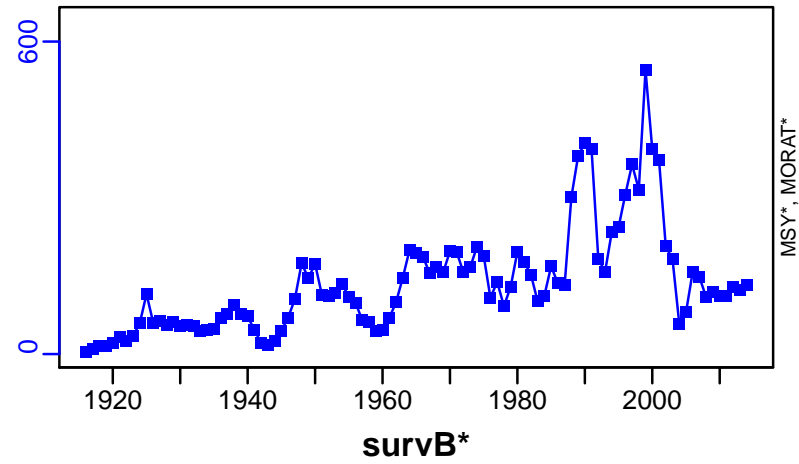
R-E00 (1914-2015-SISIMP2016)



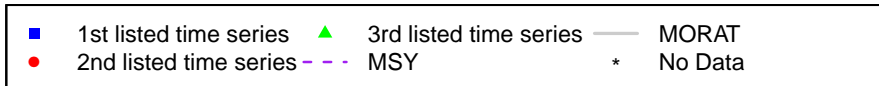
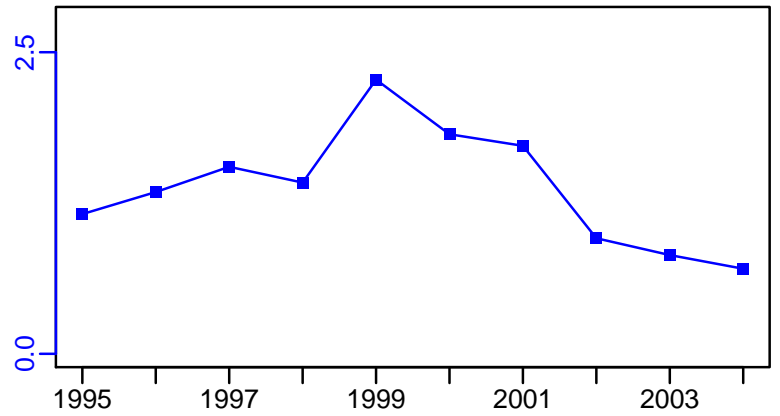
California scorpionfish Southern California [CALSCORPSCAL]

TC-MT, TL*, RecC* (1914-2015-SISIMP2016)

TAC*, Cpair*, Cadv*



CdivMSY-ratio (1990-2005-STANTON)



Deepwater flathead Southeast Australia [DEEPFLATHEADSE]

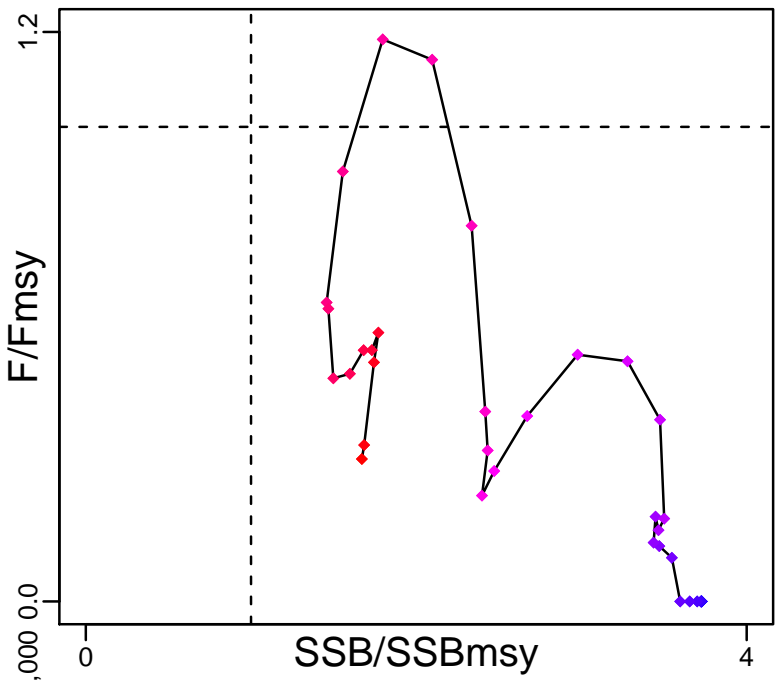
Metadata	
Scientific Name	Platycephalus conatus
Current Assess ID	CSIRO-DEEPFLATHEADSE-1980-2015-MOESENER
Area	Southeast Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts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

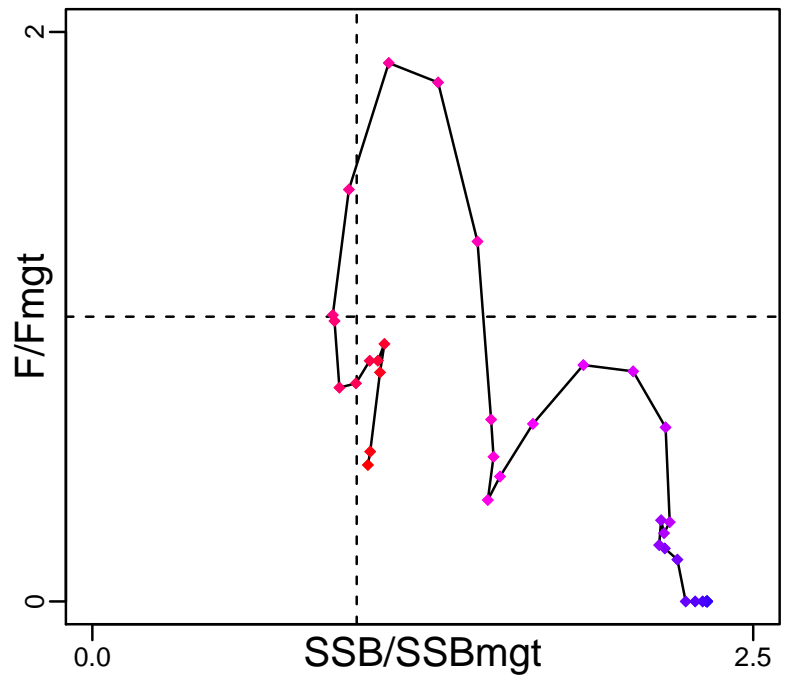
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	10,400	-	-
SSB	SSB-MT	2015	4950	-	-
TN	-	-	-	-	-
R	R-E00	2015	6.75×10^{12}	-	-
F	F-1/yr	2015	0.05	-	-
ER	ER-ratio	2015	0.05	-	-
TC	-	-	-	-	-
TL	TL-MT	2015	523	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.671	-	-
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.3	-	-
ER/ERmsy	-	-	-	-	-
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]

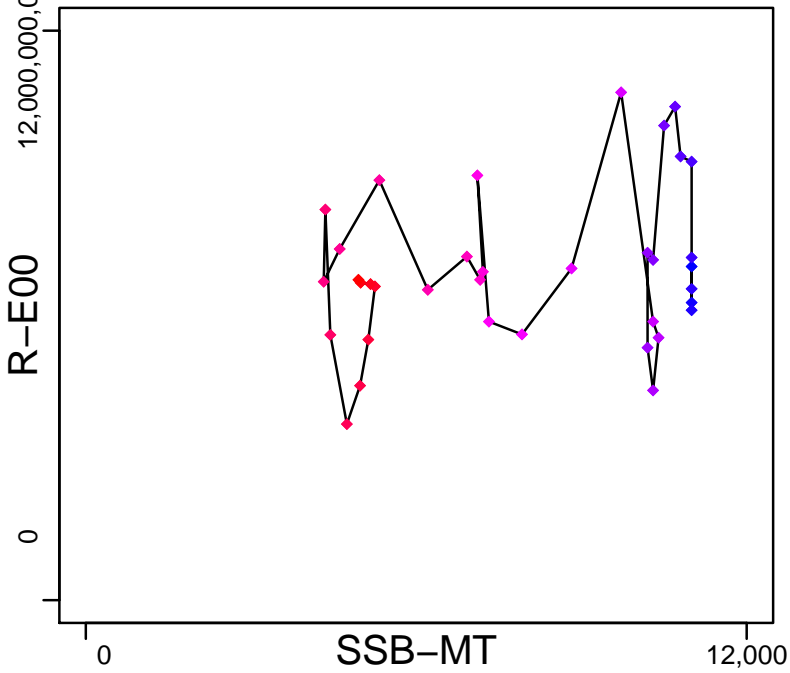
Kobe MSYpref (1980-2015-MOESENER)



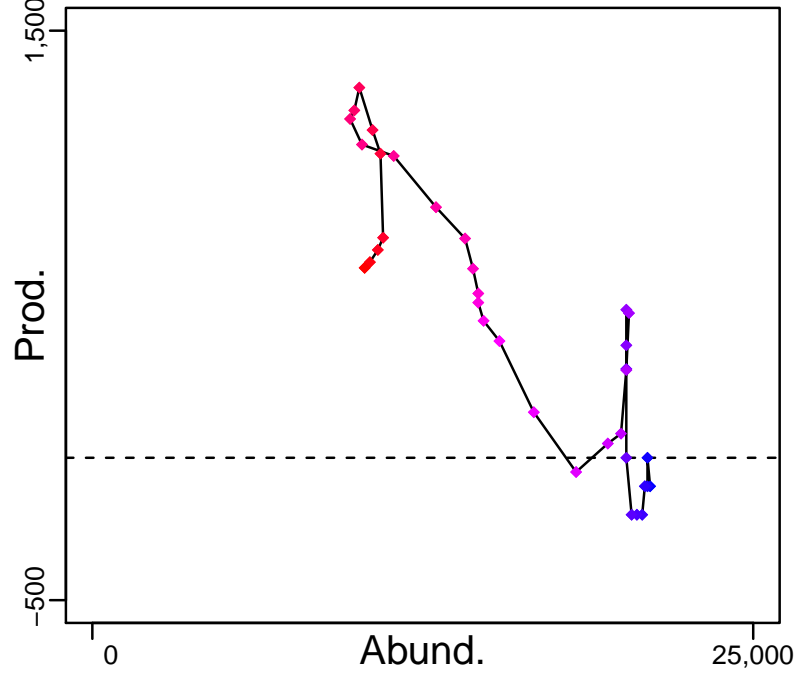
Kobe MGTpref (1980-2015-MOESENER)



Spawner Recruit (1980-2015-MOESENER)



Production (1980-2015-MOESENER)

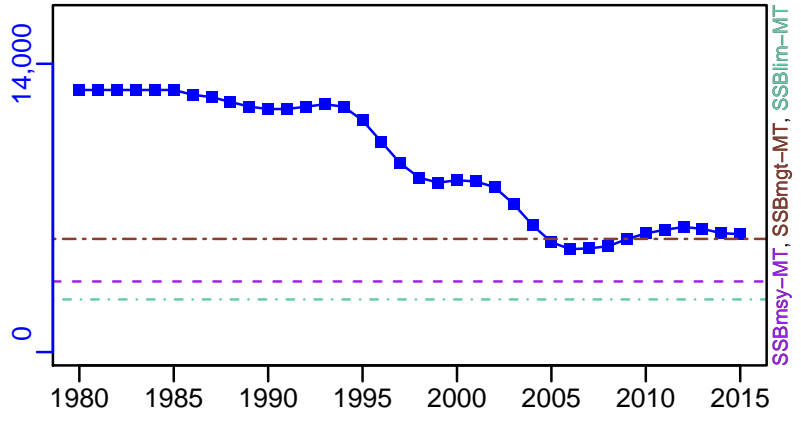
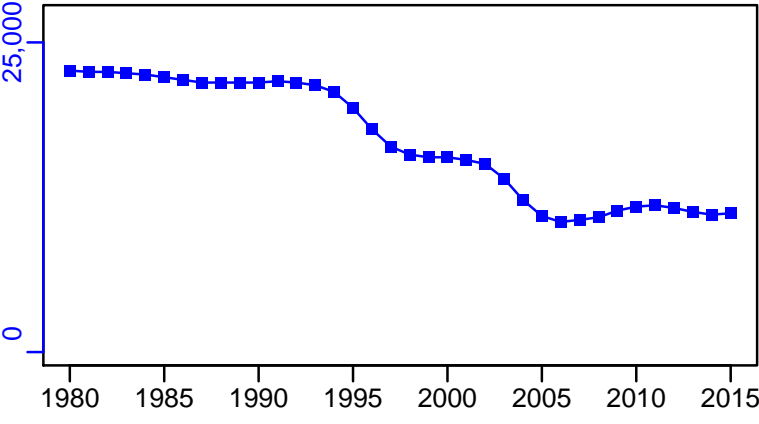


◆ Start Year ◆ End Year * No Data

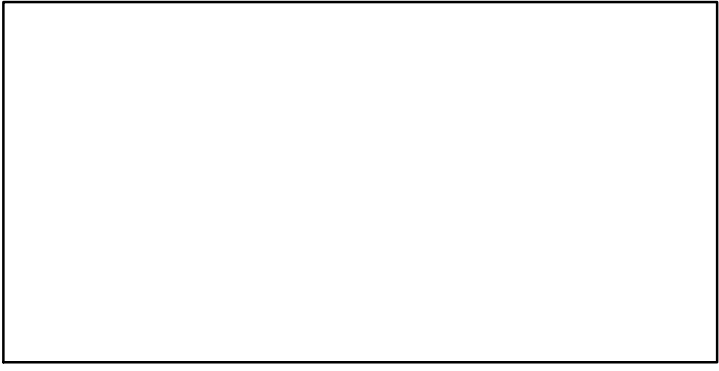
Deepwater flathead Southeast Australia [DEEPFLATHEADSE]

TB-MT (1980-2015-MOESENER)

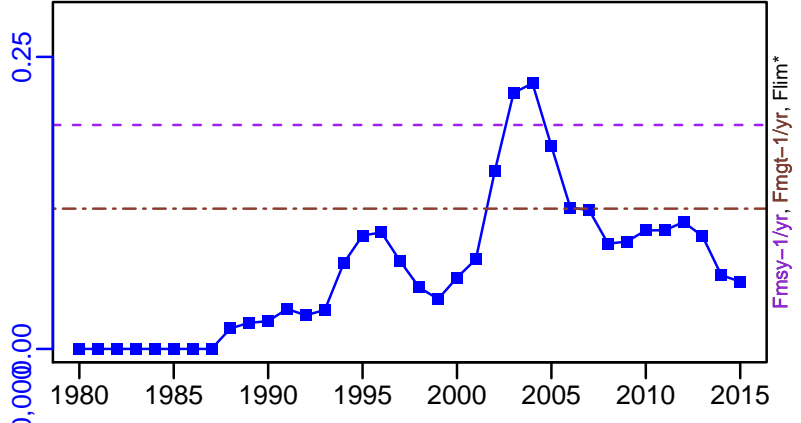
SSB-MT (1980-2015-MOESENER)



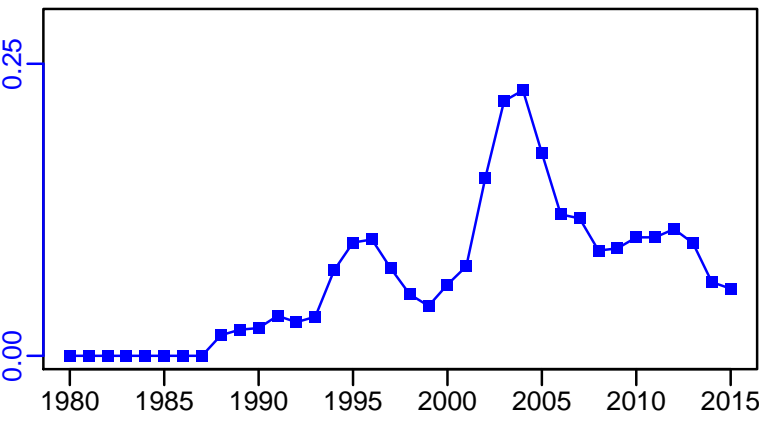
TN *



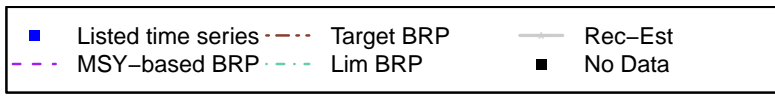
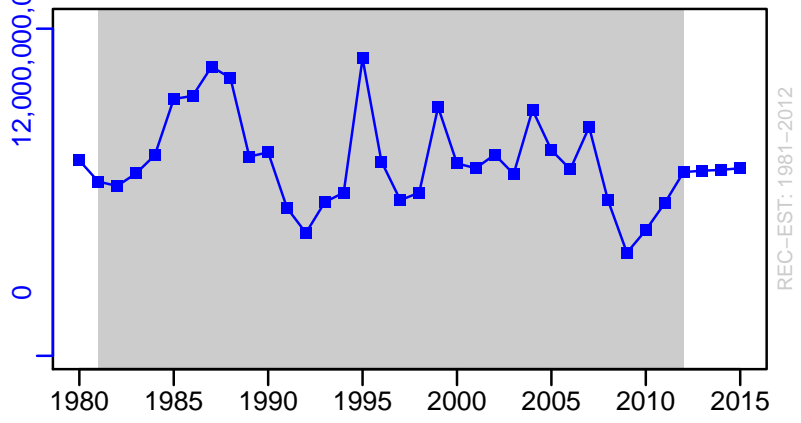
F-1/yr (1980-2015-MOESENER)



ER-ratio (1980-2015-MOESENER)



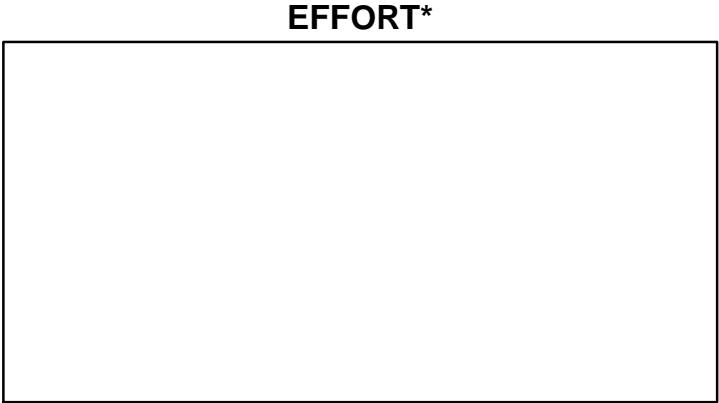
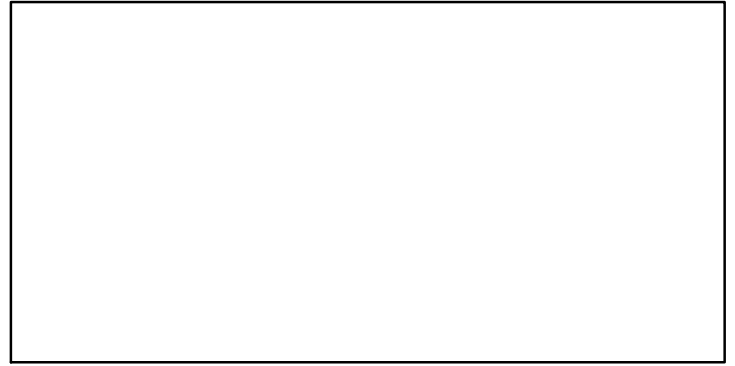
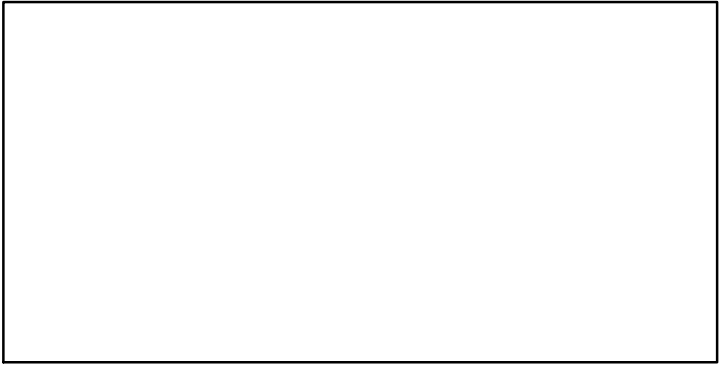
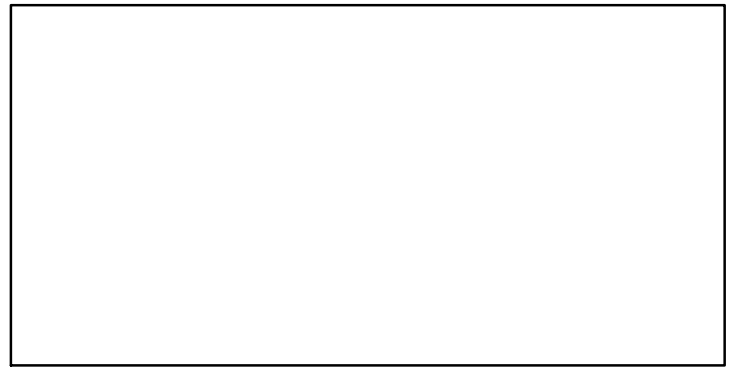
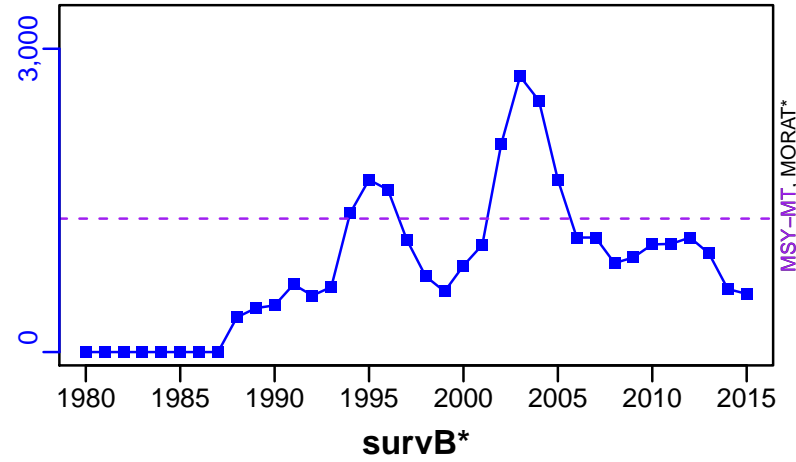
R-E00 (1980-2015-MOESENER)



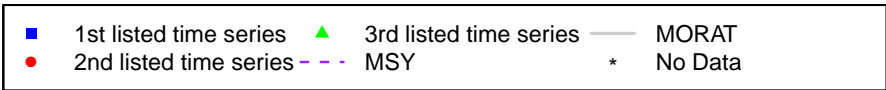
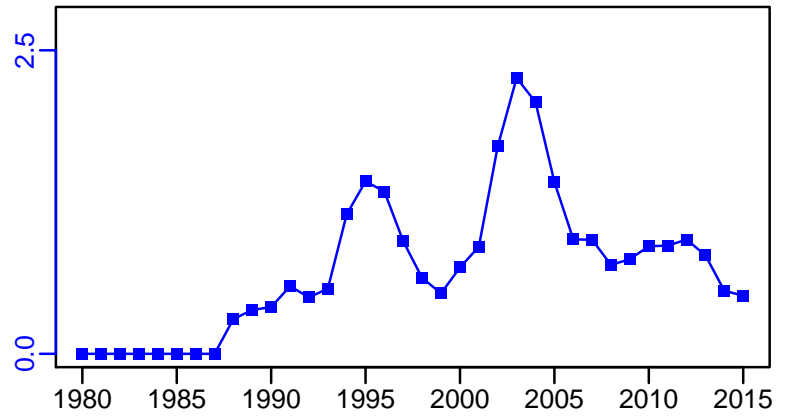
Deepwater flathead Southeast Australia [DEEPFLATHEADSE]

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

TAC*, Cpair*, Cadv*



CdivMSY-ratio (1980-2015-MOESENER)



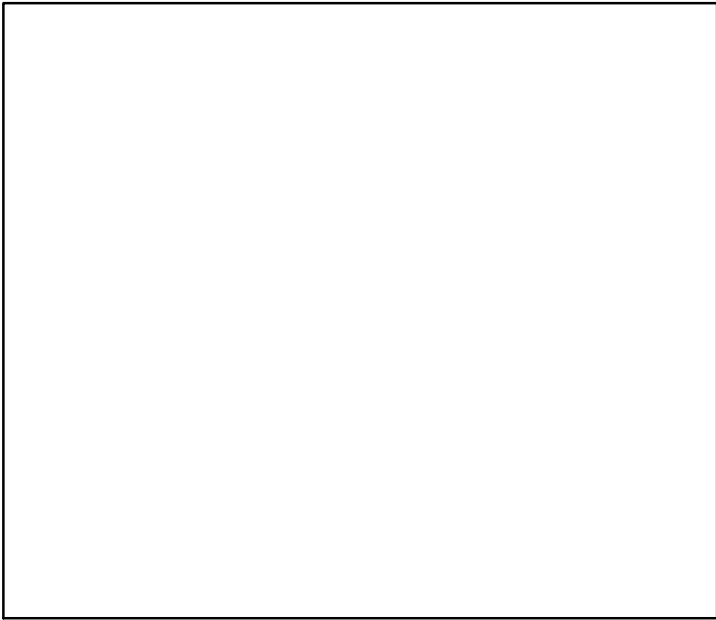
Grey gurnard IIIa, VIId and North Sea [GGURNIIIa-IV-VIId]

Metadata	
Scientific Name	Eutrigla gurnardus
Current Assess ID	WGNSSK-GGURNIIIa-IV-VIId-1983-2017-ICESIMP2018
Area	IIIa, VIId and North Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2016, 2017

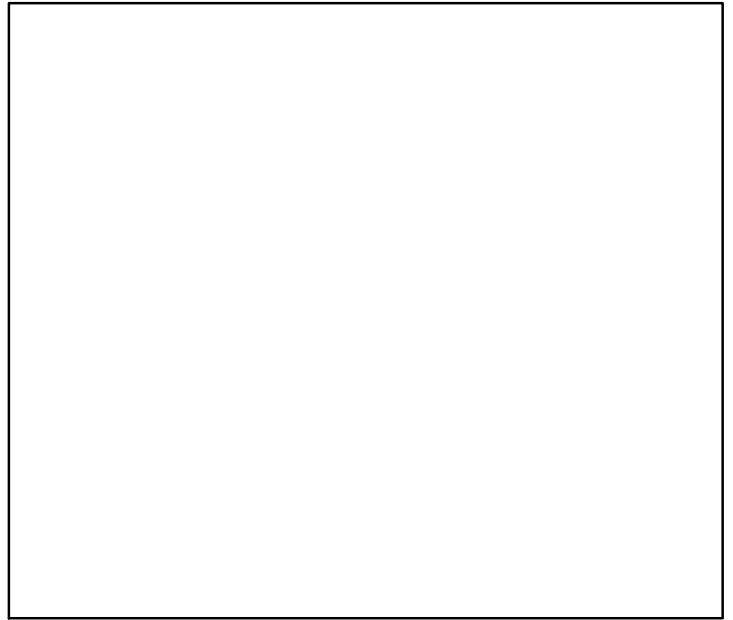
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2017	17,100		
TL	TL-MT	2017	3450		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

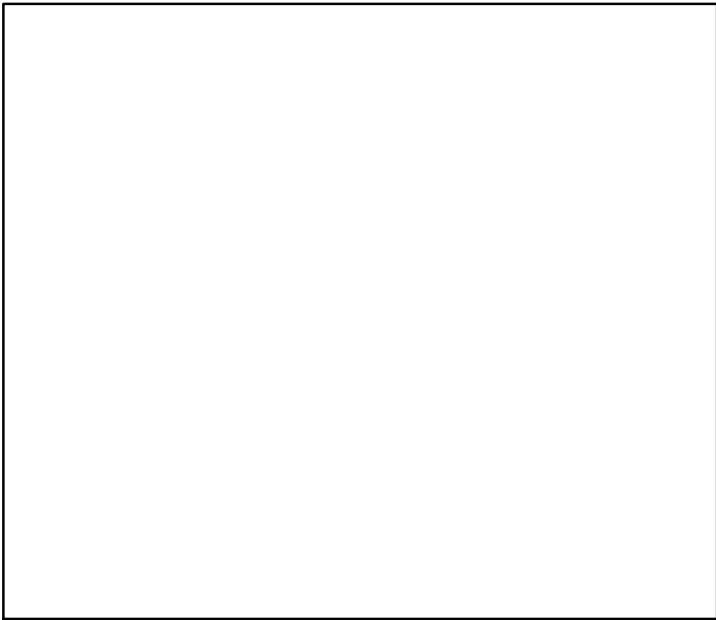
Kobe MSY*



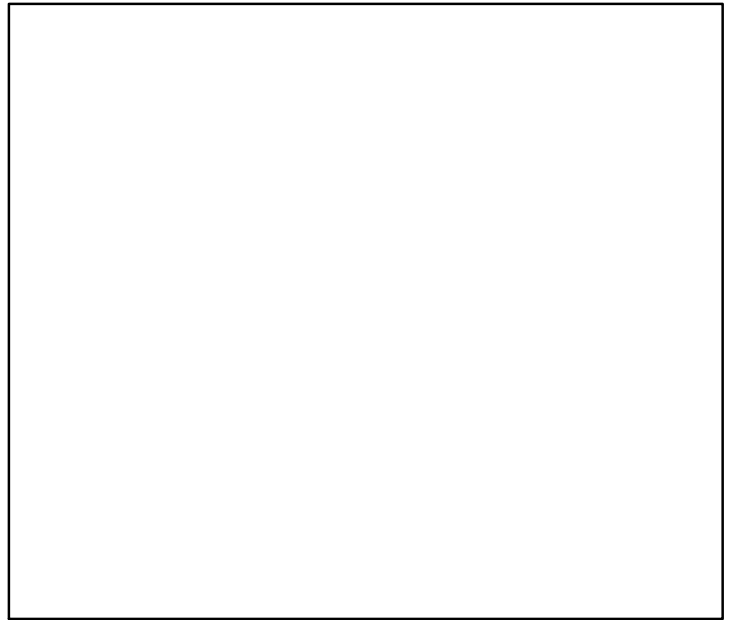
Kobe MGT*



Spawner Recruit*



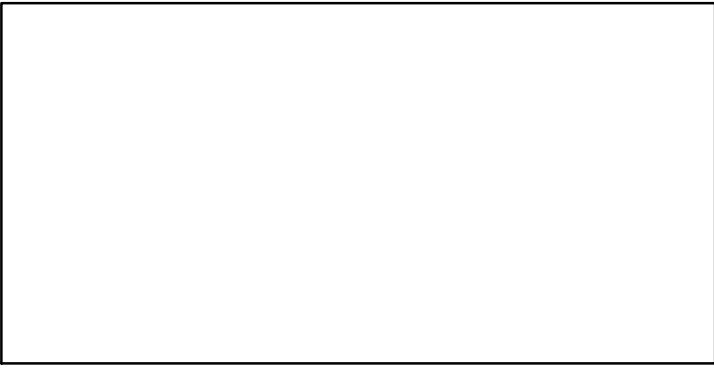
Production*



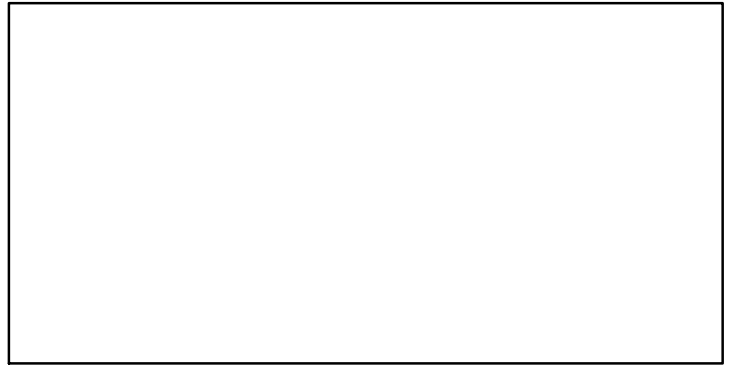
◆ Start Year ◆ End Year * No Data

Grey gurnard IIIa, VIId and North Sea [GGURNIIIa-IV-VIId]

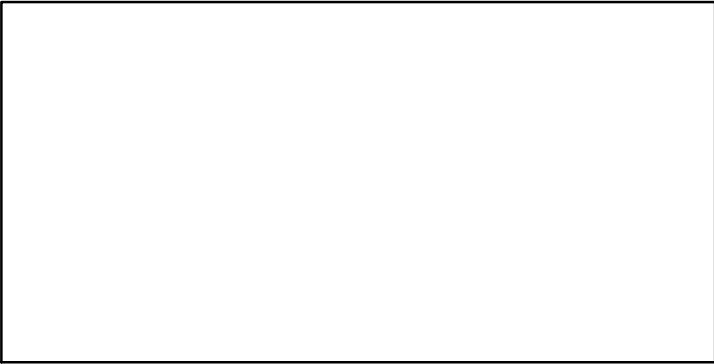
TB*



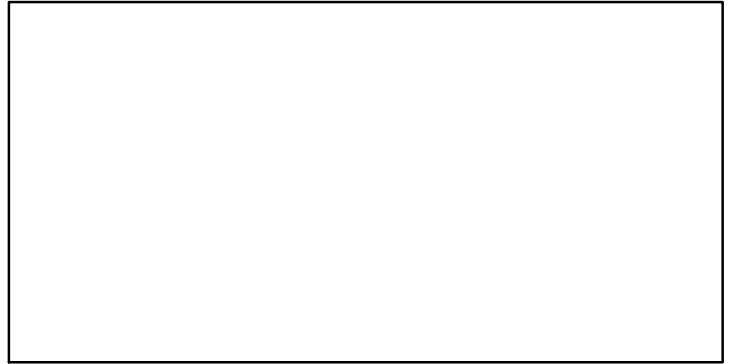
SSB*



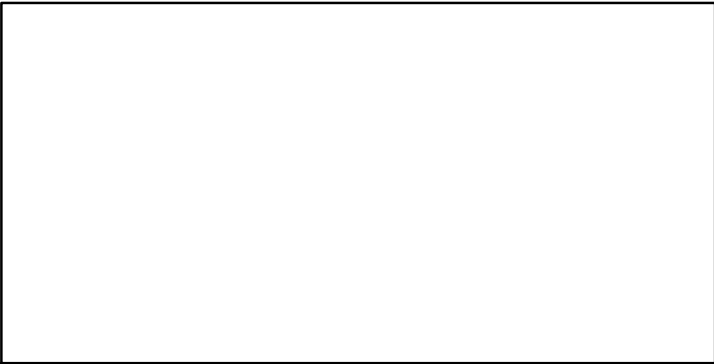
TN *



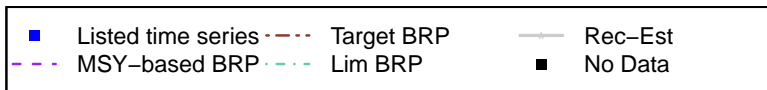
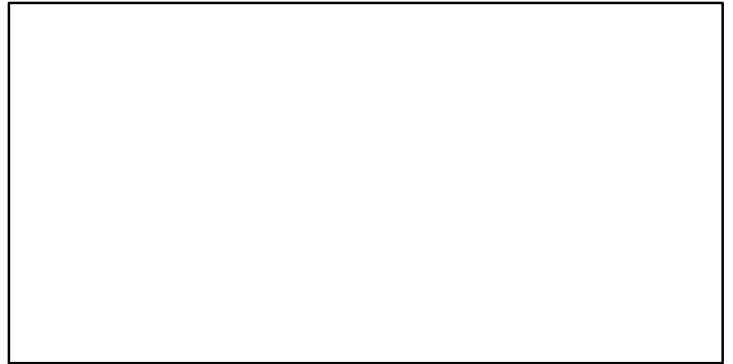
F*



ER*



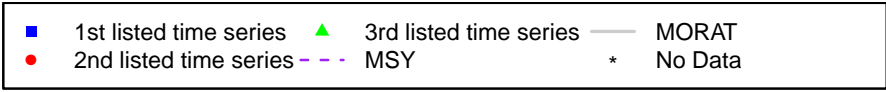
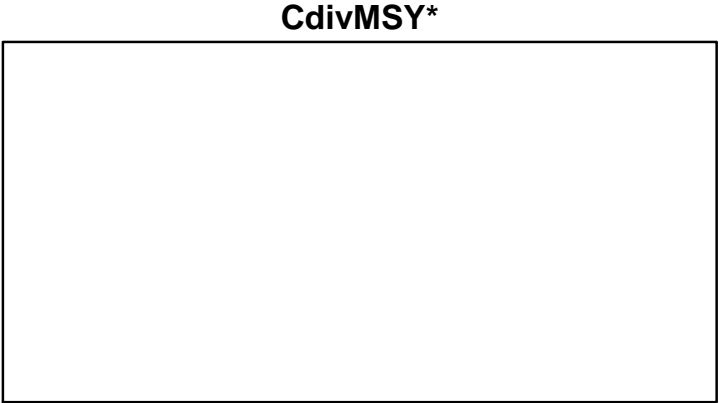
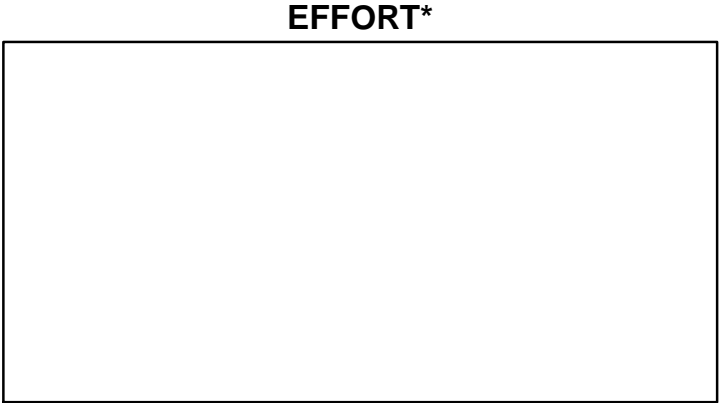
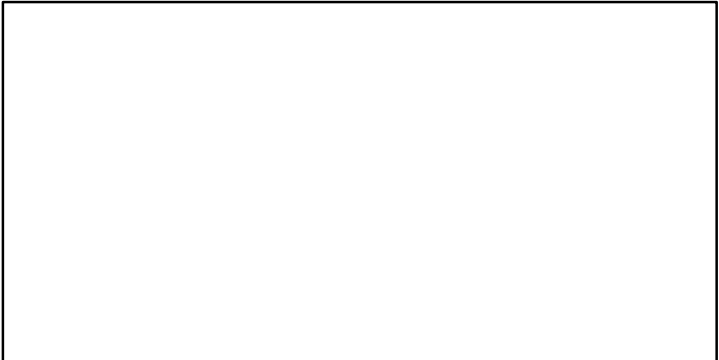
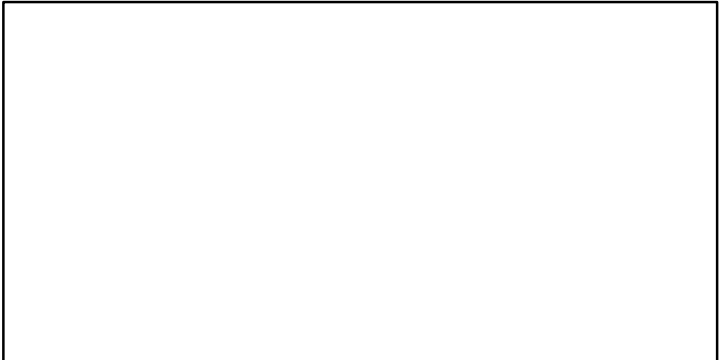
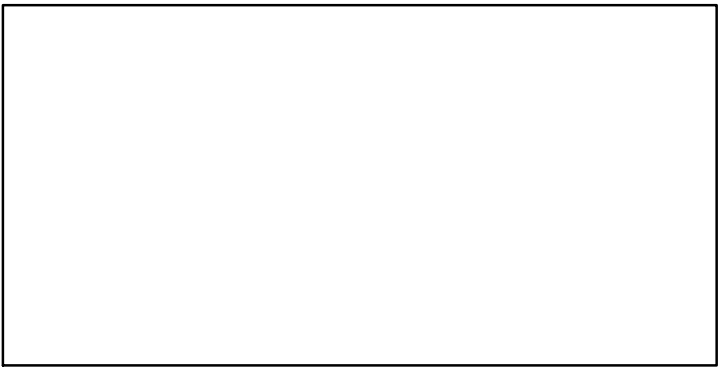
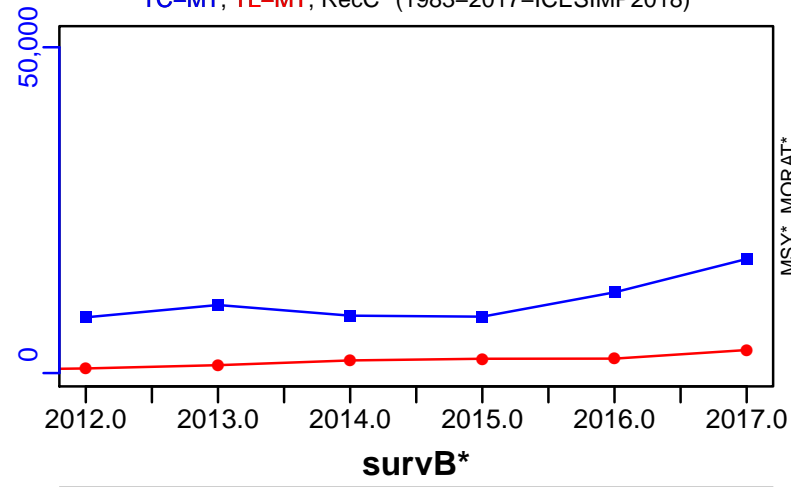
Recruits*



Grey gurnard IIIa, VIId and North Sea [GGURNIIIa-IV-VIId]

TC-MT, TL-MT, RecC* (1983-2017-ICESIMP2018)

TAC*, Cpair*, Cadv*



Kelp greenling Oregon Coast [KELPGREENLINGORECOAST]

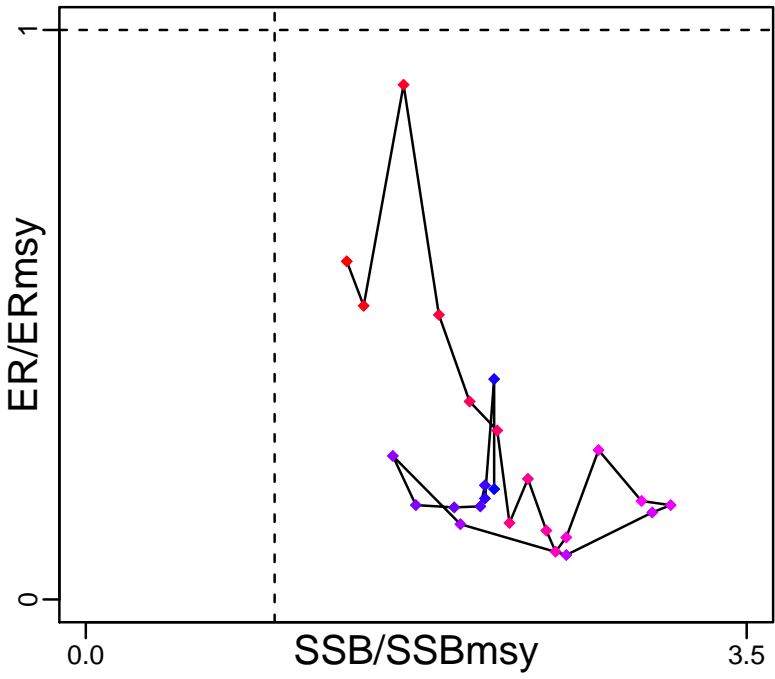
Metadata	
Scientific Name	Hexagrammos decagrammus
Current Assess ID	NWFSC-KELPGREENLINGORECOAST-1915-2015-SISIMP2016
Area	Oregon Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northwest Fisheries Science Center
Asmts in RAM	2015, 2005

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2005	656
SSBmsy	SSBmsy-MT	2015	159
Fmsy	-	-	-
ERmsy	ERmsy-pr-ratio	2005	0.125
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	TB0-MT	2005	1295
SSB0	SSB0-MT	2005	321
MSY	MSY-MT	2015	130
M	M-1/yr	2005	0.26
TBlim	-	-	-
SSBlim	SSBlim-MT	2015	99
Flim	-	-	-
ERlim	-	-	-

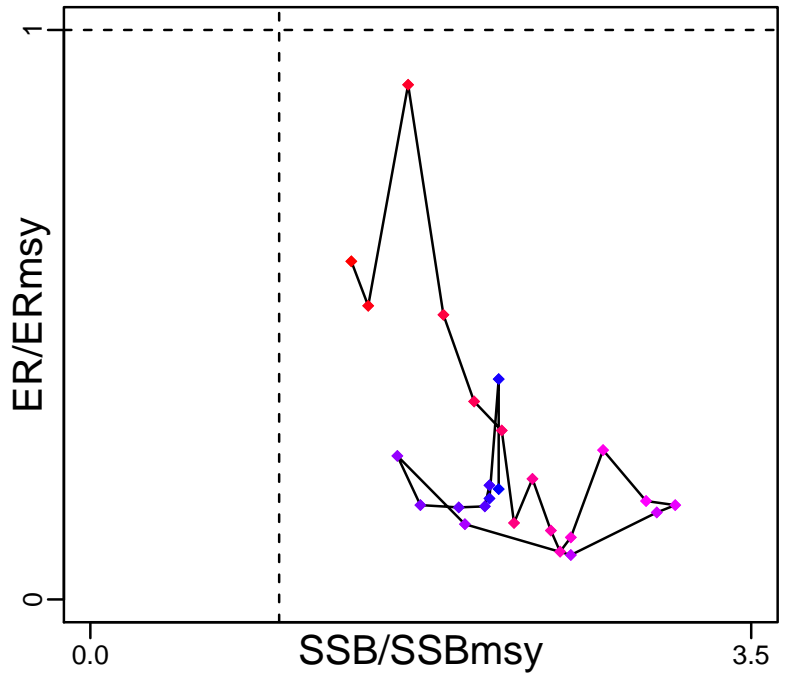
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	1130	-	0+
SSB	SSB-MT	2015	316	Females	-
TN	-	-	-	-	-
R	R-E00	2015	1,410,000	-	0
F	-	-	-	-	-
ER	ER-calc-ratio	2015	0.03	-	-
TC	TC-MT	2015	33		
TL	TL-MT	2005	52		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2005	0.951		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.99		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-pr-ratio	2005	0.594		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kelp greenling Oregon Coast [KELPGREENLINGORECOAST]

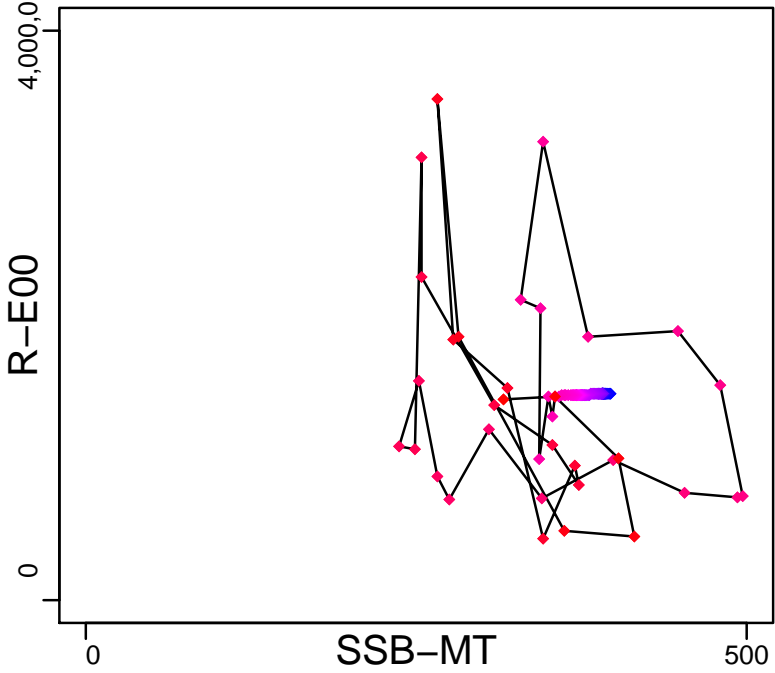
Kobe MSYpref (1979–2005–STANTON)



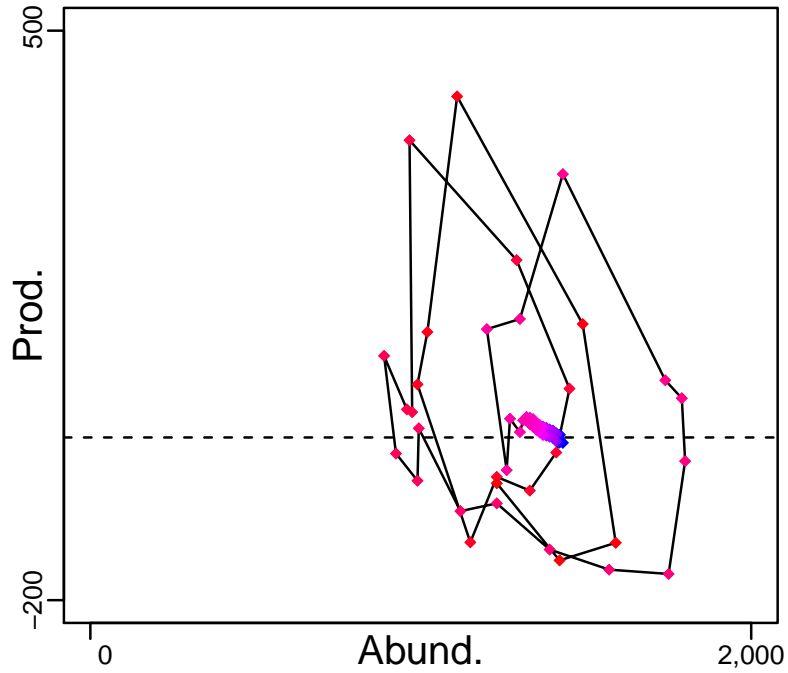
Kobe MGTpref (1979–2005–STANTON)



Spawner Recruit (1915–2015–SISIMP2016)



Production (1915–2015–SISIMP2016)

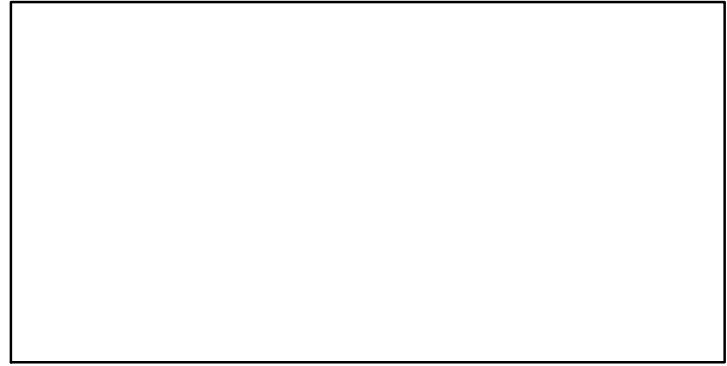
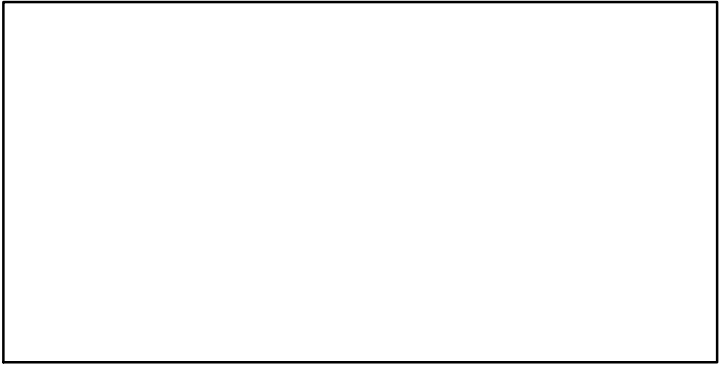
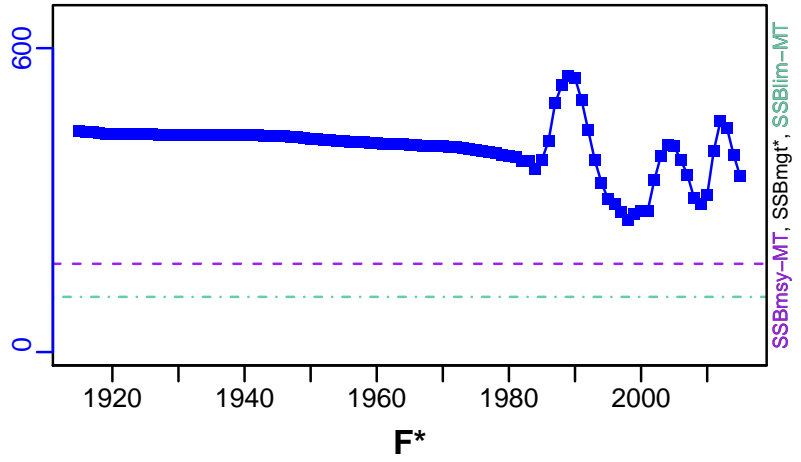
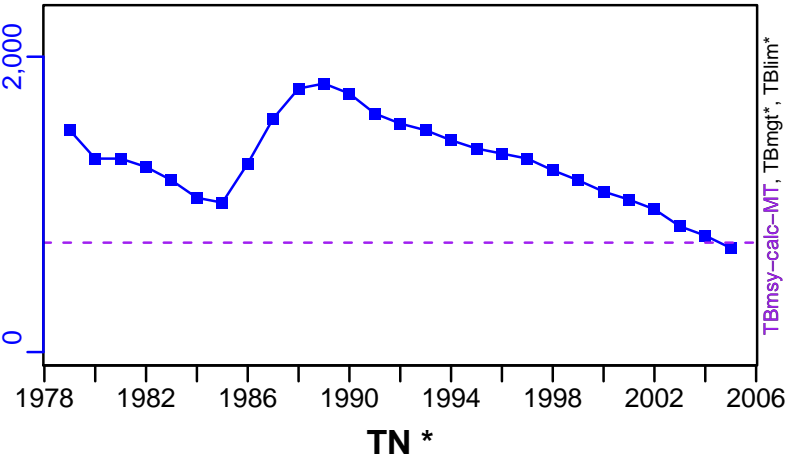


◆ Start Year ◆ End Year * No Data

Kelp greenling Oregon Coast [KELPGREENLINGORECOAST]

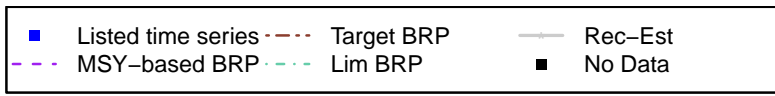
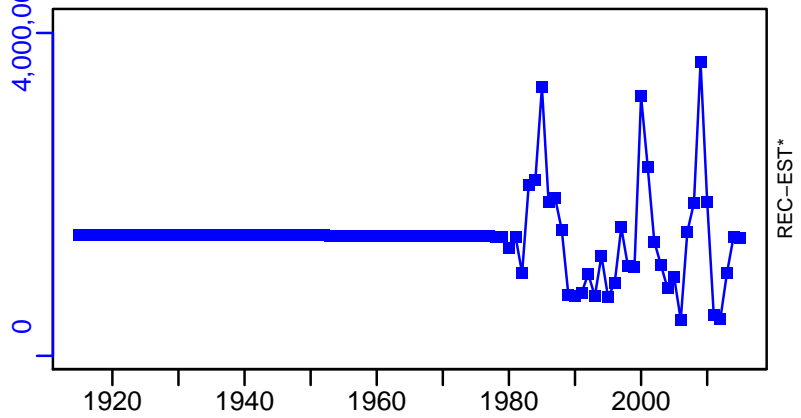
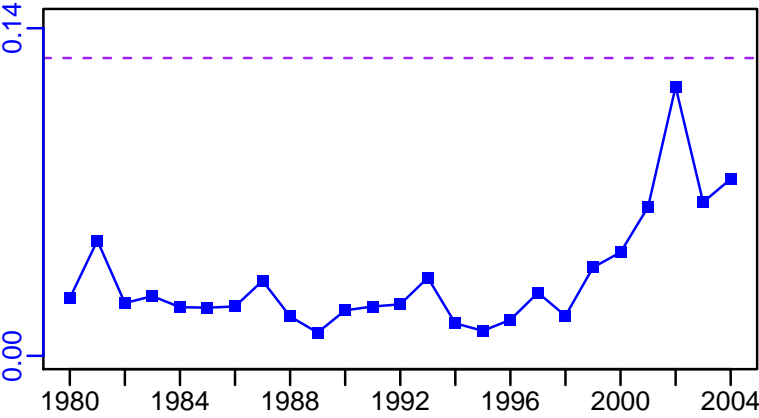
TB-MT (1979–2005–STANTON)

SSB-MT (1915–2015–SISIMP2016)



ER-calc-ratio (1979–2005–STANTON)

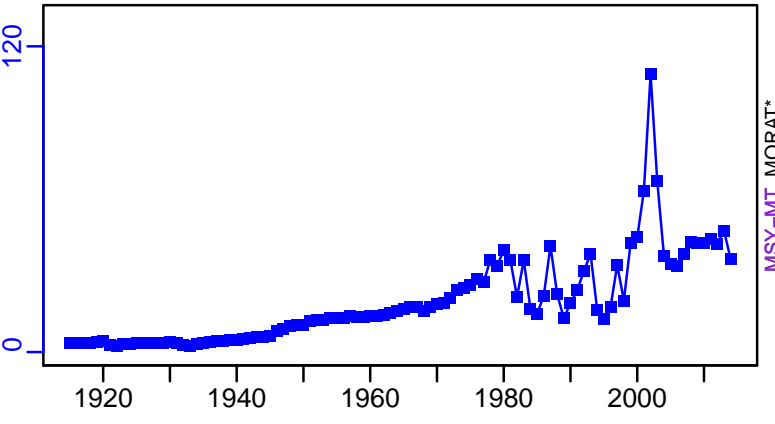
R-E00 (1915–2015–SISIMP2016)



Kelp greenling Oregon Coast [KELPGREENLINGORECOAST]

TC-MT, TL*, RecC* (1915-2015-SISIMP2016)

TAC*, Cpair*, Cadv*

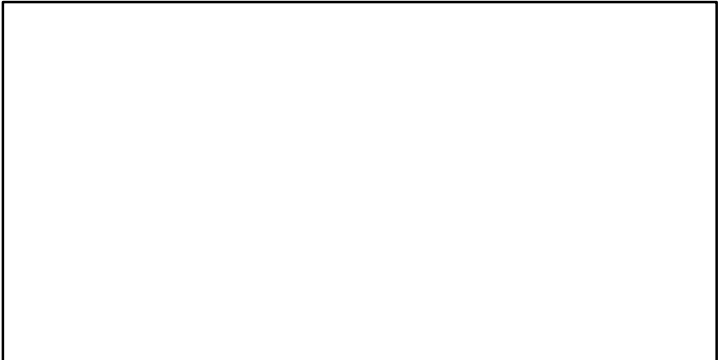
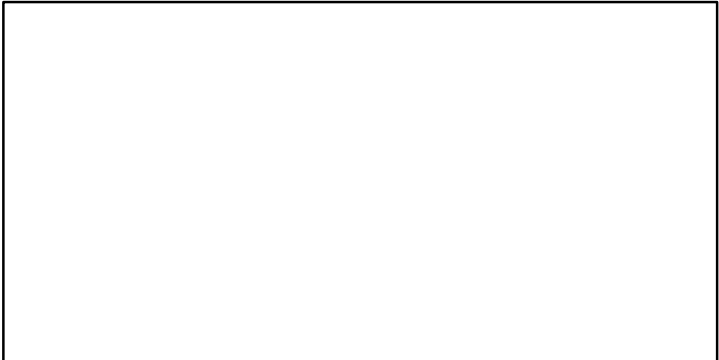


MSY-MT, MORAT*



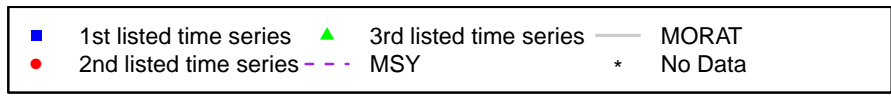
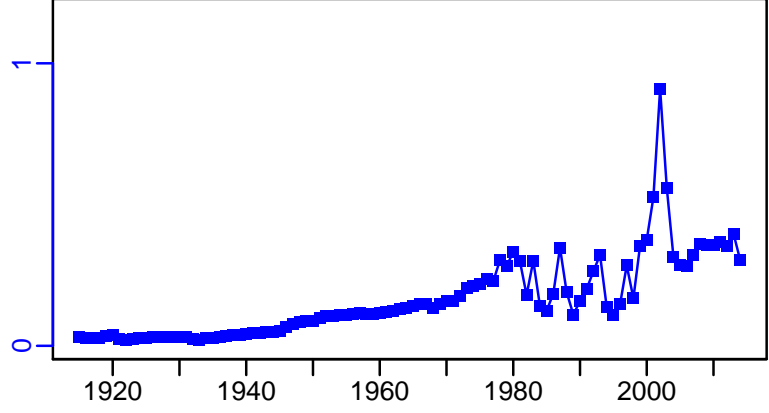
survB*

CPUE*



EFFORT*

CdivMSY-ratio (1915-2015-SISIMP2016)



Lingcod Northern Pacific Coast [LINGCODNPCOAST]

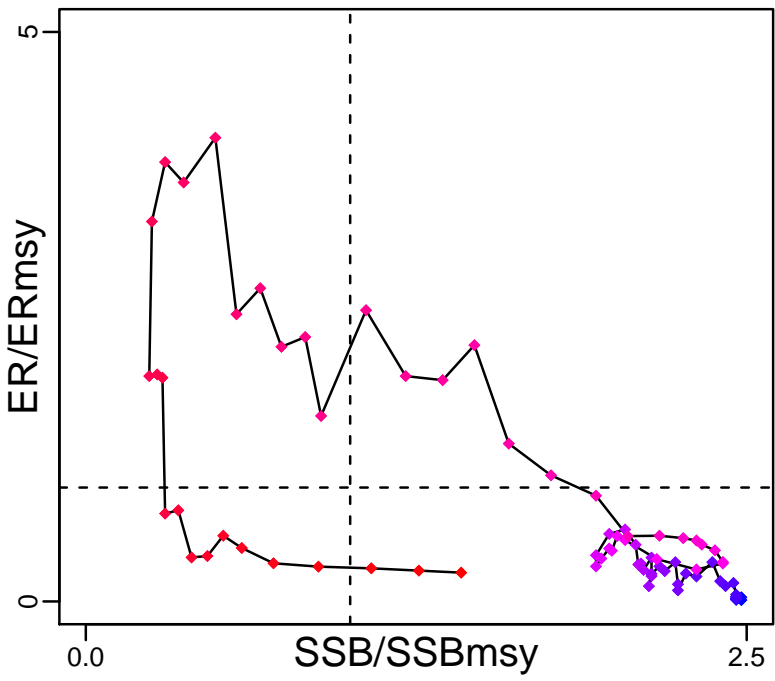
Metadata	
Scientific Name	Ophiodon elongatus
Current Assess ID	NWFSC-LINGCODNPCOAST-1928-2009-STACHURA
Area	Northern Pacific Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northwest Fisheries Science Center
Asmts in RAM	2009

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

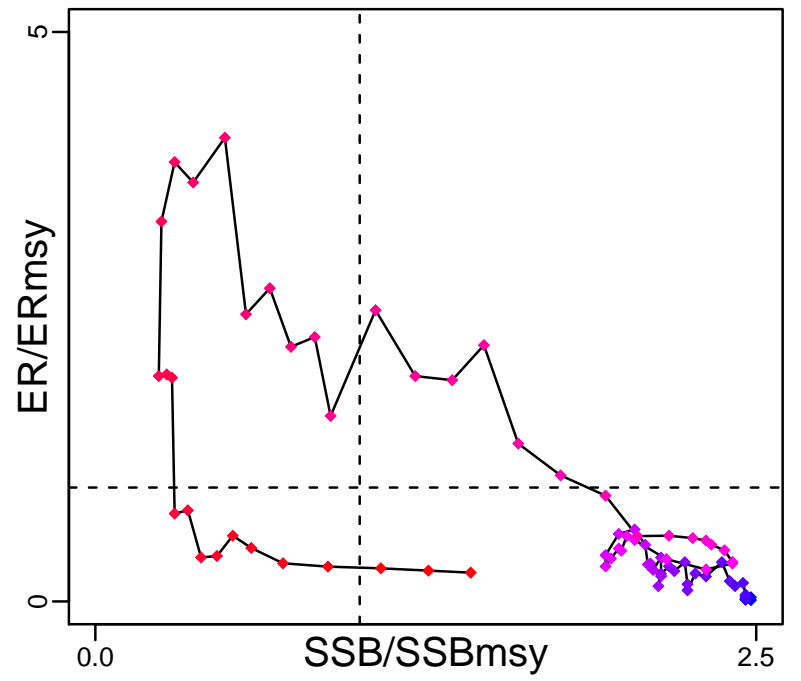
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2009	31,800	-	2+
SSB	SSB-MT	2009	20,500	Females	4.6
TN	-	-	-	-	-
R	R-E00	2009	3050	-	0
F	-	-	-	-	-
ER	ER-ratio	2009	0.035	-	-
TC	-	-	-	-	-
TL	TL-MT	2009	350	-	-
TB/TBmsy	TB-MT/TBmsy-MT	2009	2.567	-	-
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2009	1.55	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	ER-ratio/ERmsy-ratio	2009	0.253	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	-	-	-	-	-
ER/ERmgt	-	-	-	-	-

Lingcod Northern Pacific Coast [LINGCODNPCOAST]

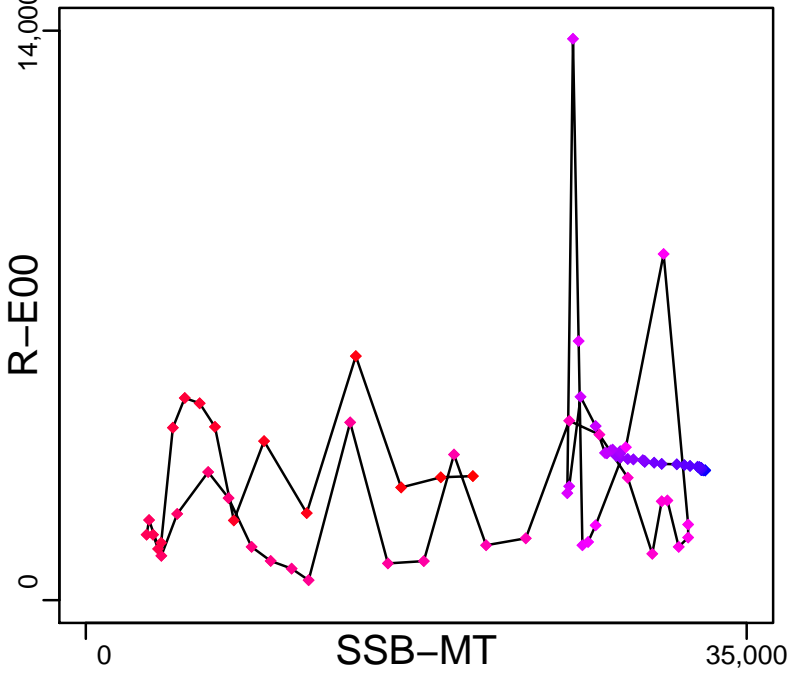
Kobe MSYpref (1928-2009-STACHURA)



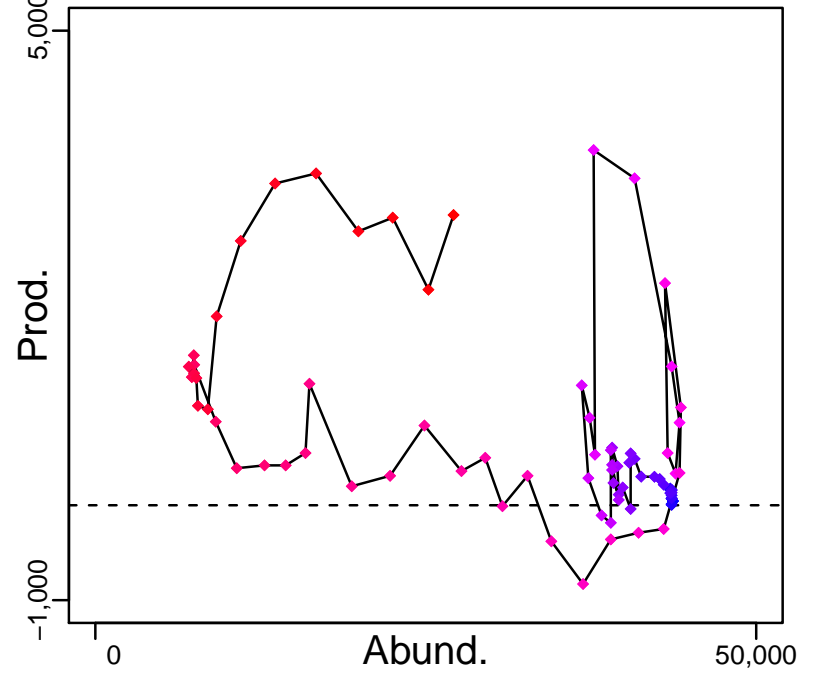
Kobe MGTpref (1928-2009-STACHURA)



Spawner Recruit (1928-2009-STACHURA)



Production (1928-2009-STACHURA)

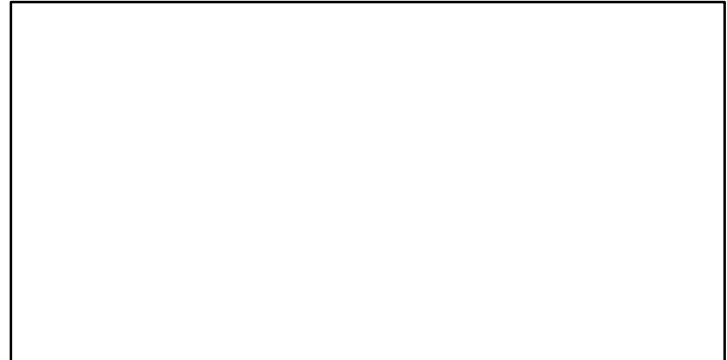
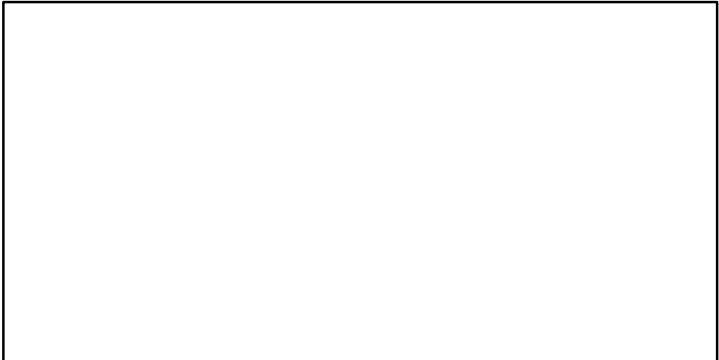
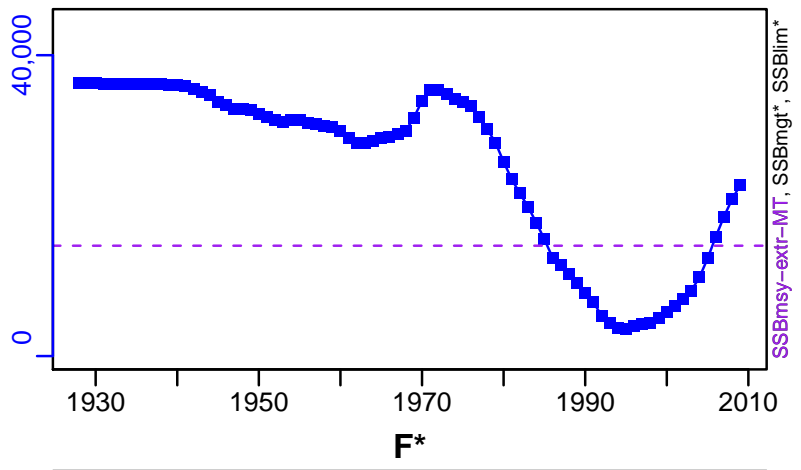
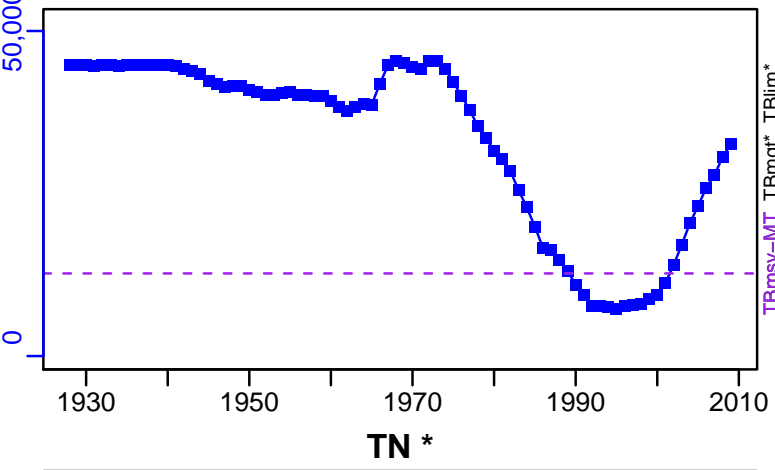


◆ Start Year ◆ End Year * No Data

Lingcod Northern Pacific Coast [LINGCODNPCOAST]

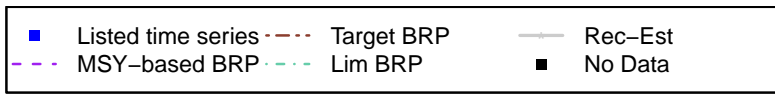
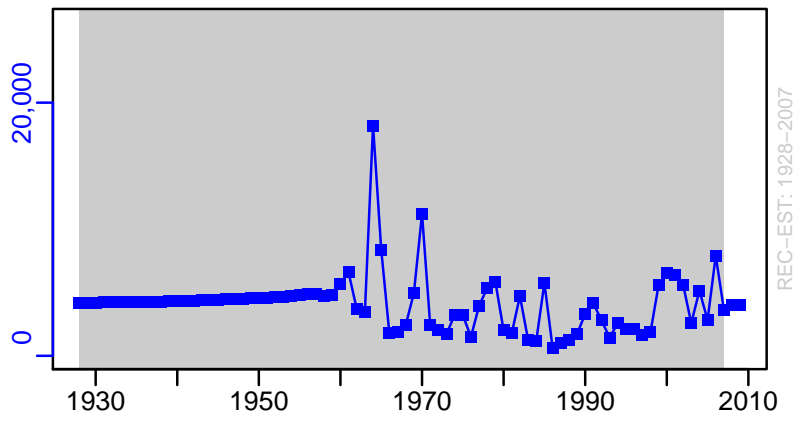
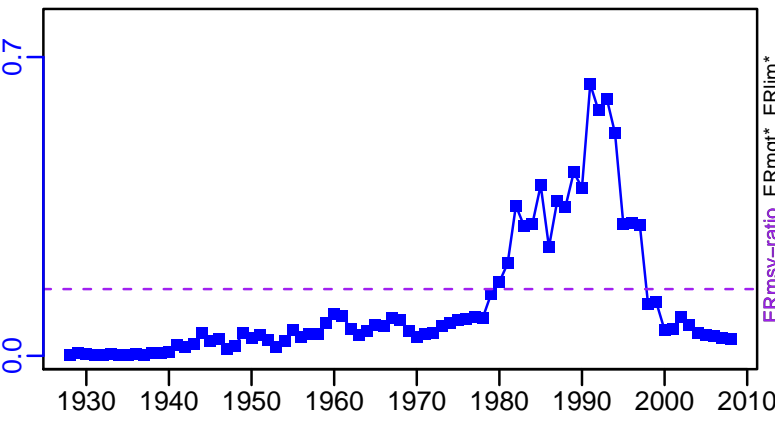
TB-MT (1928-2009-STACHURA)

SSB-MT (1928-2009-STACHURA)



ER-ratio (1928-2009-STACHURA)

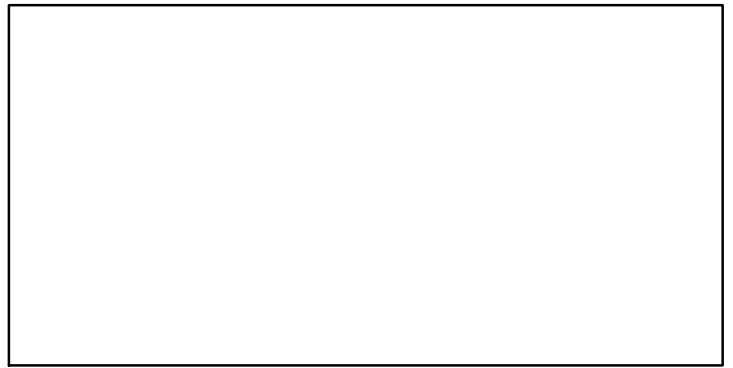
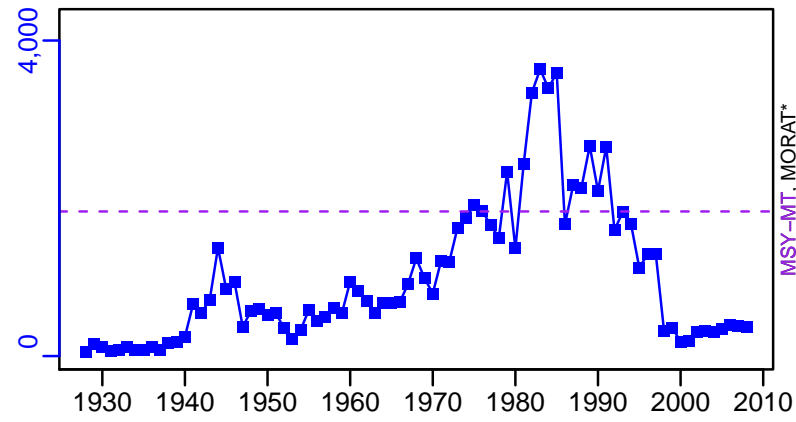
R-E00 (1928-2009-STACHURA)



Lingcod Northern Pacific Coast [LINGCODNPCOAST]

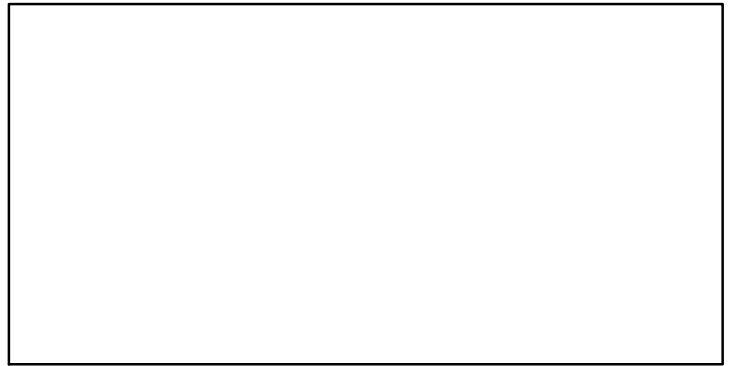
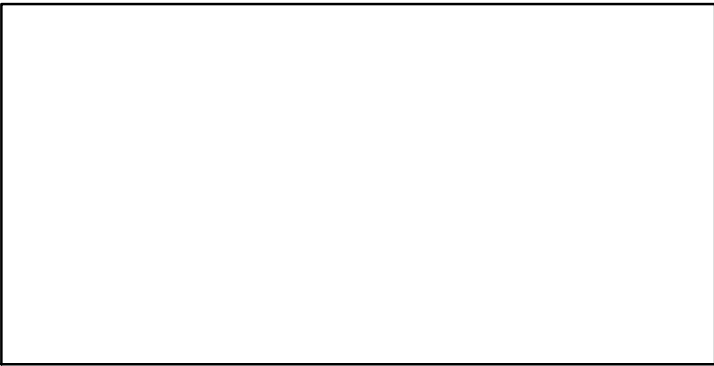
TL-MT, TC*, RecC* (1928-2009-STACHURA)

TAC*, Cpair*, Cadv*



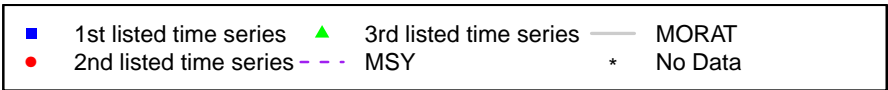
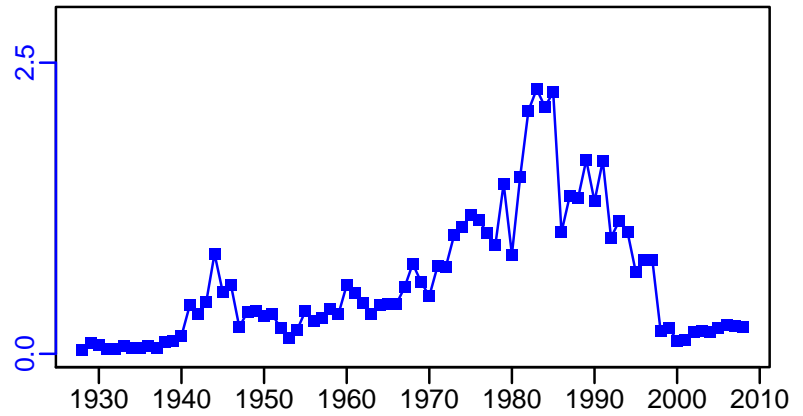
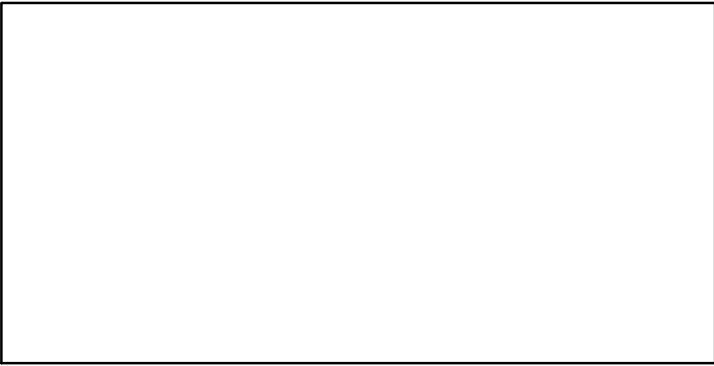
survB*

CPUE*



EFFORT*

CdivMSY-ratio (1928-2009-STACHURA)



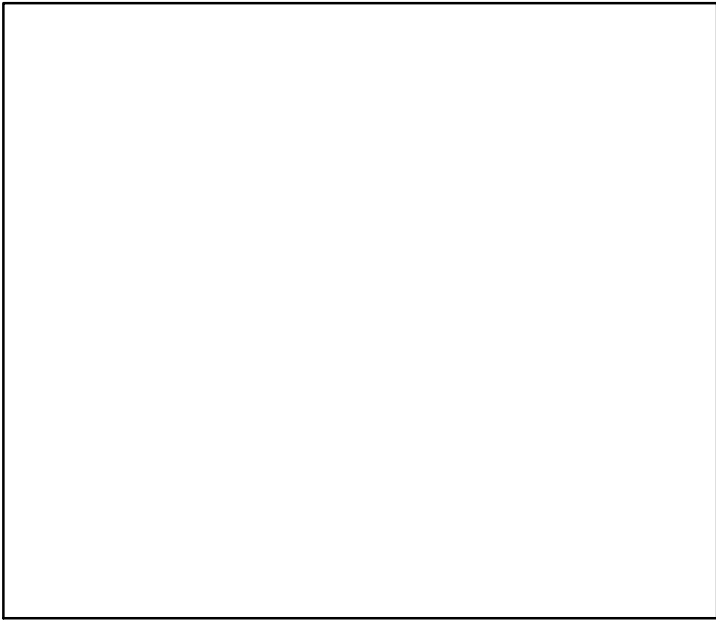
Lingcod Strait of Georgia [LINGCODSOG]

Metadata	
Scientific Name	Ophiodon elongatus
Current Assess ID	DFO-PAC-LINGCODSOG-1927-2014-OSGOOD
Area	Straight of Georgia
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Asmts in RAM	2014

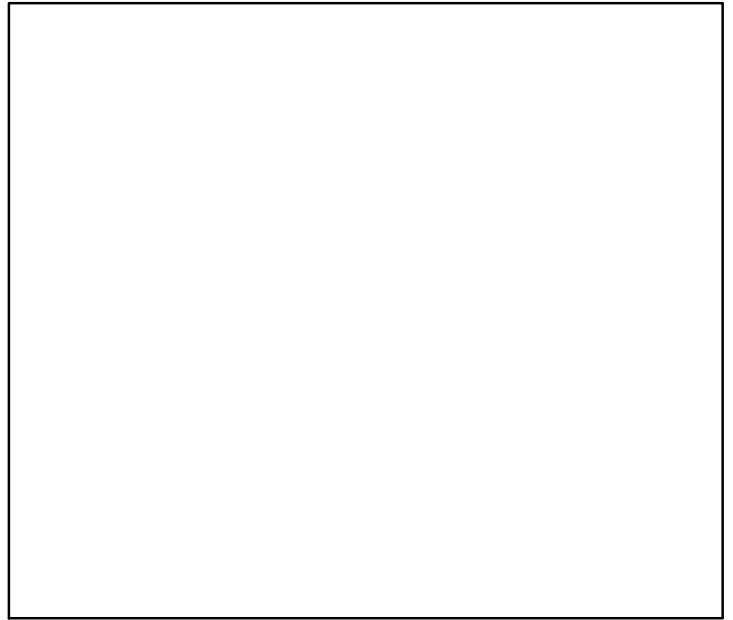
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2014	15,924
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2014	12,739
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2014	763
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	7120	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2014	44		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2014	0.447		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	0.559		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

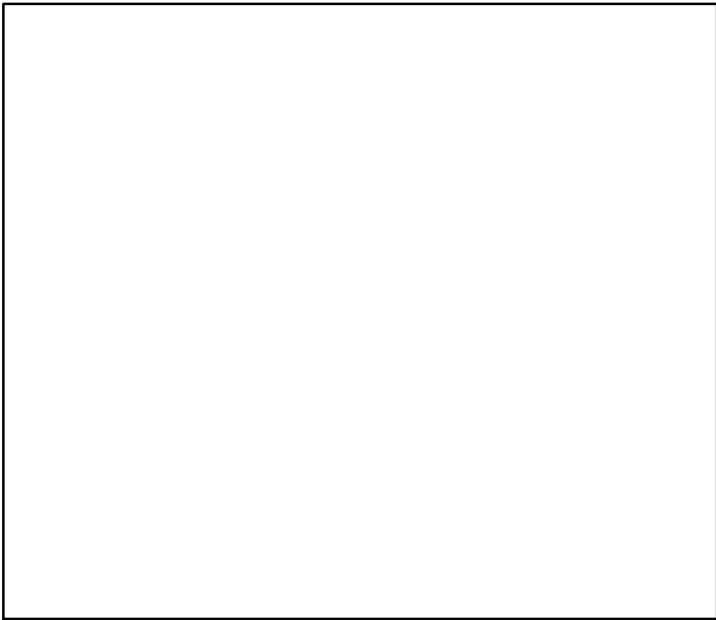
Kobe MSY*



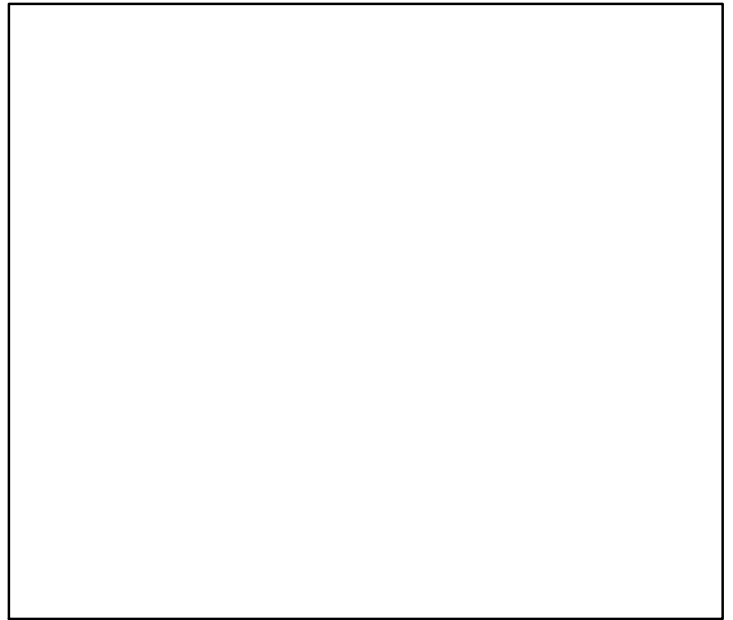
Kobe MGT*



Spawner Recruit*



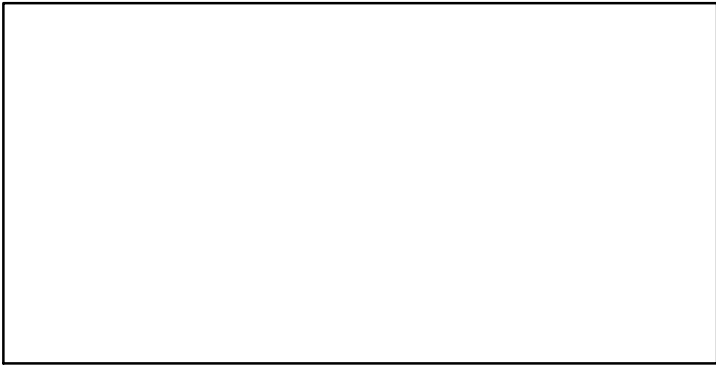
Production*



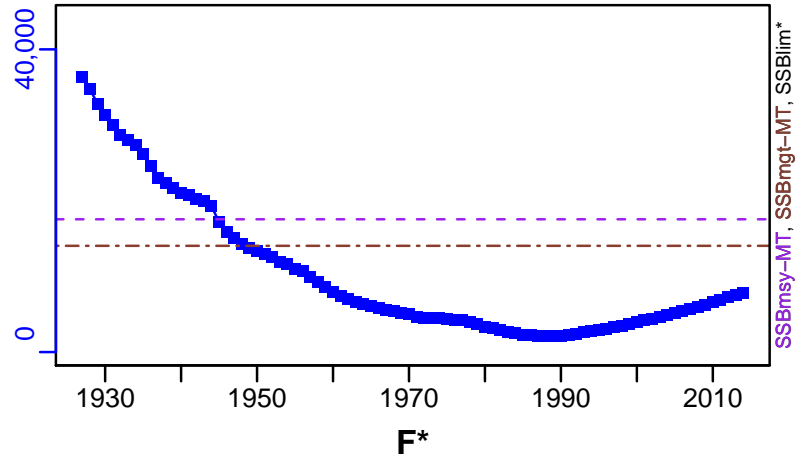
◆ Start Year ◆ End Year * No Data

Lingcod Strait of Georgia [LINGCODSOG]

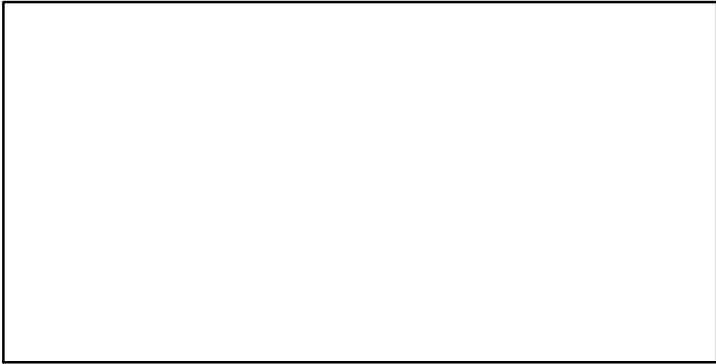
TB*



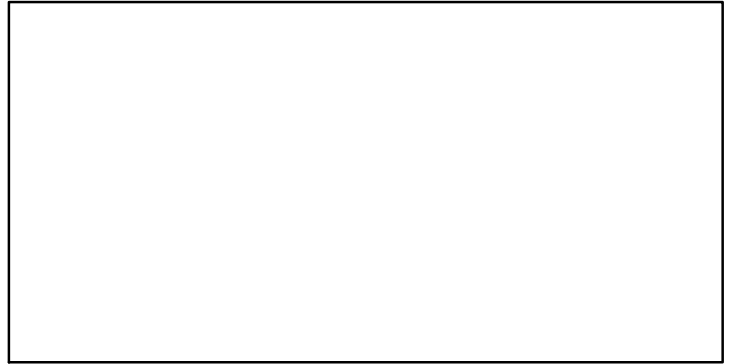
SSB-MT (1927-2014-OSGOOD)



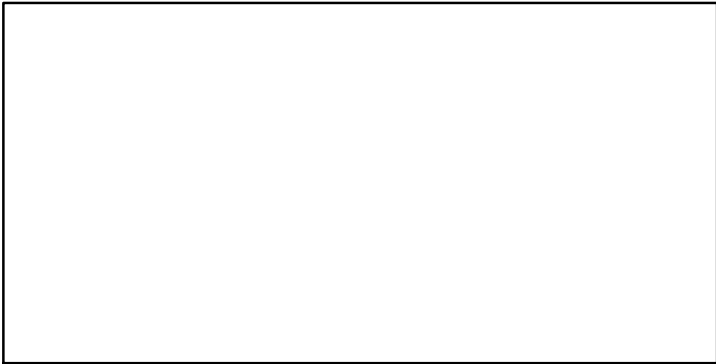
TN *



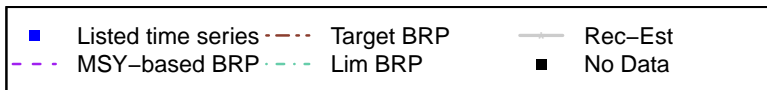
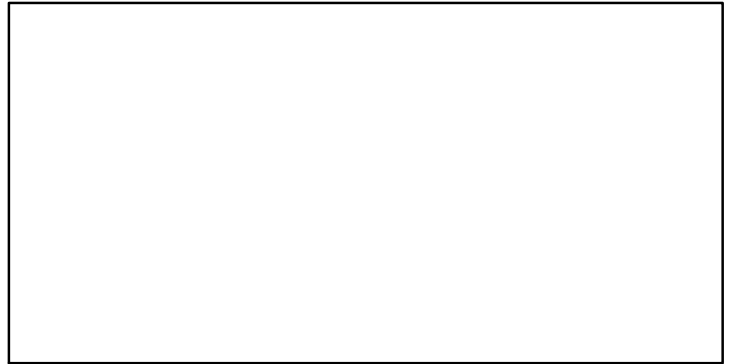
F*



ER*



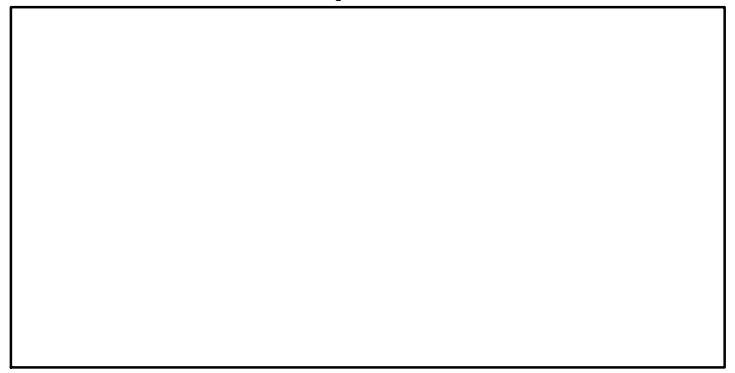
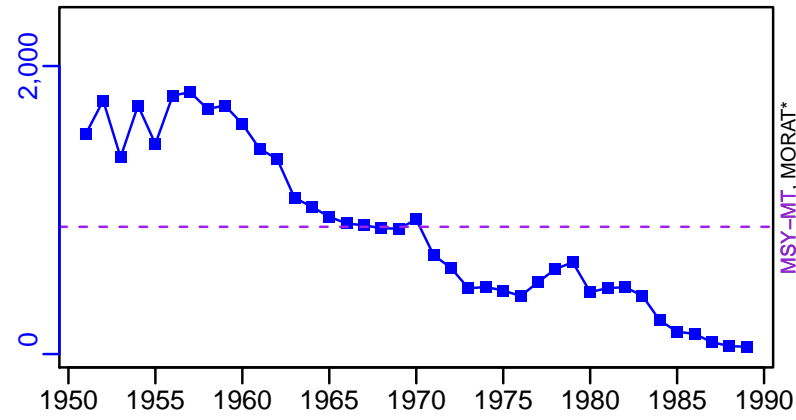
Recruits*



Lingcod Strait of Georgia [LINGCODSOG]

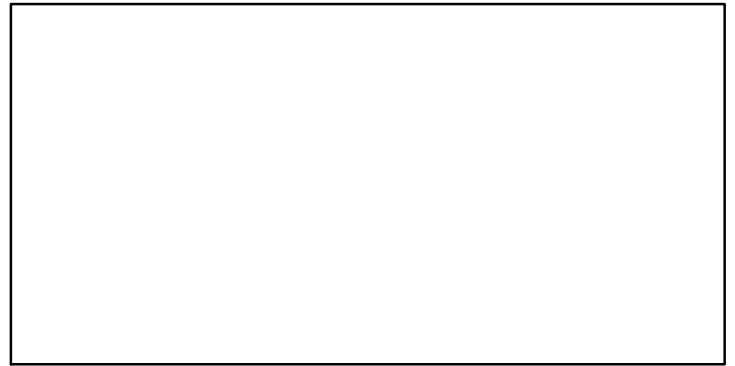
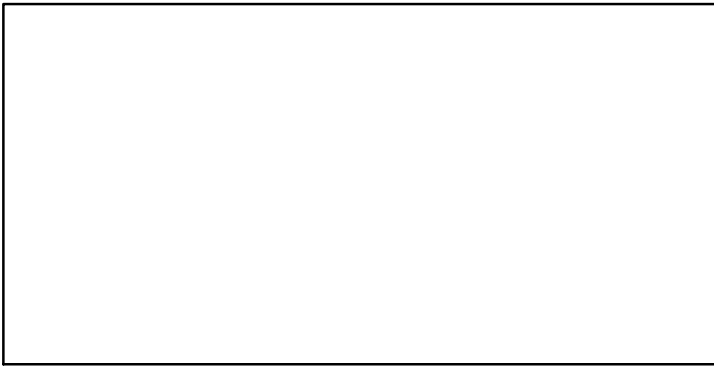
TC-MT, TL*, RecC* (1927-2014-OSGOOD)

TAC*, Cpair*, Cadv*



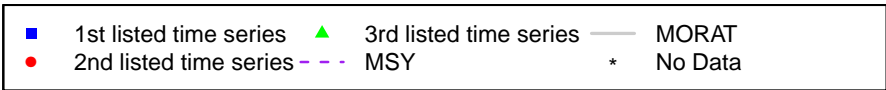
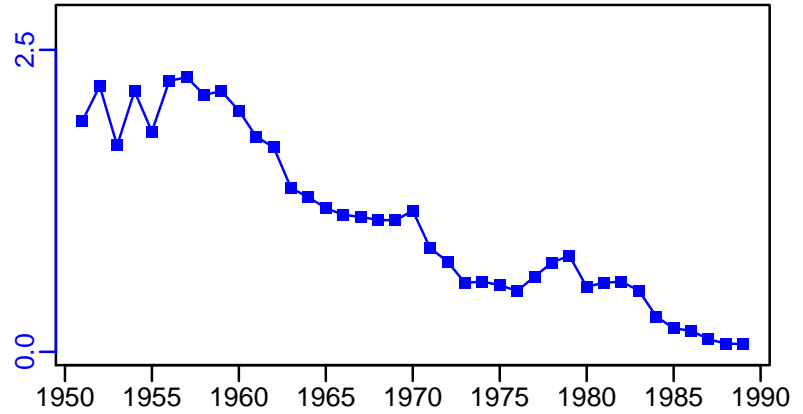
survB*

CPUE*



EFFORT*

CdivMSY-ratio (1927-2014-OSGOOD)



Lingcod Southern Pacific Coast [LINGCODSPCOAST]

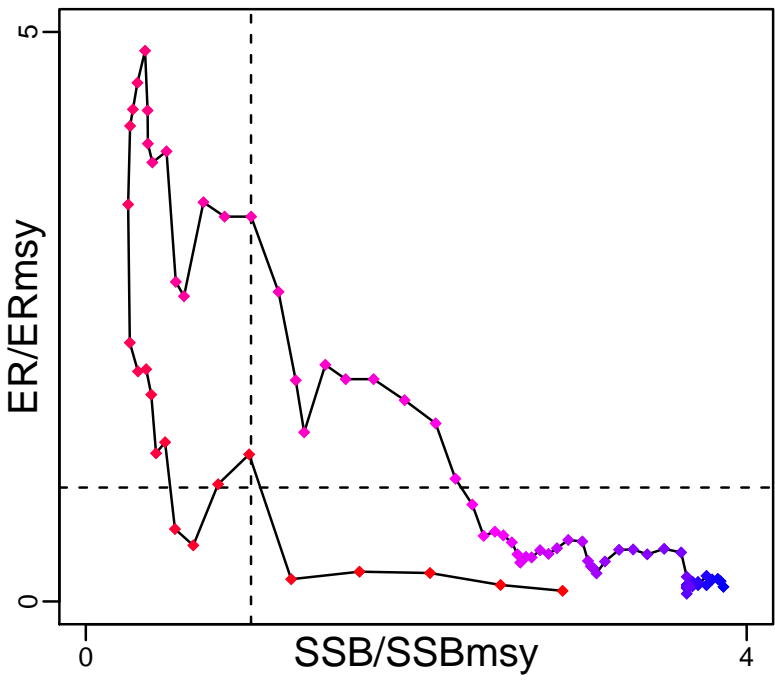
Metadata	
Scientific Name	Ophiodon elongatus
Current Assess ID	NWFSC-LINGCODSPCOAST-1928-2009-STACHURA
Area	Southern Pacific Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northwest Fisheries Science Center
Asmts in RAM	2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2009	16,291
SSBmsy	SSBmsy-MT	2009	5856
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2009	0.103
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-MT	2009	25,311
MSY	MSY-MT	2009	1678
M	M-1/yr	2009	0.18
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

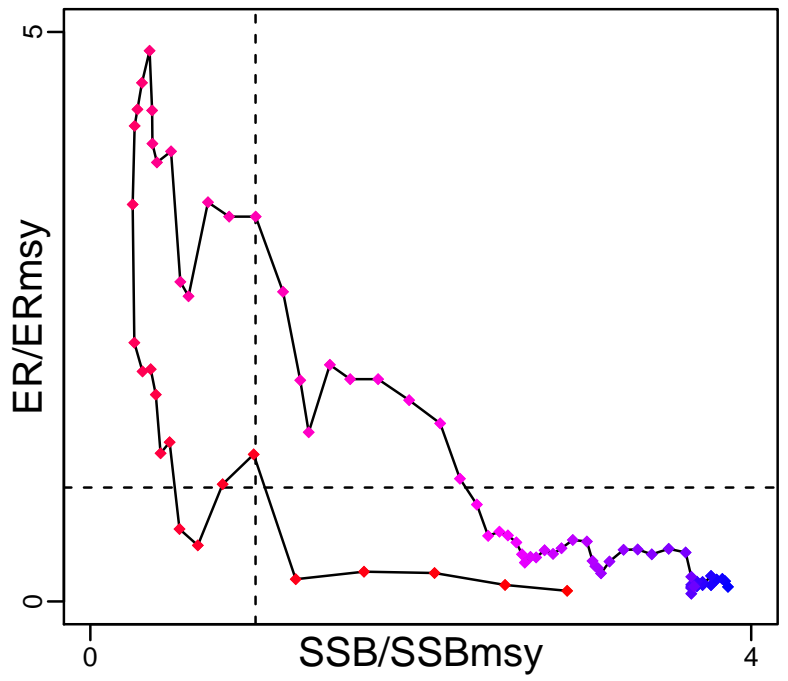
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2009	30,900	-	2+
SSB	SSB-MT	2009	18,700	Females	5
TN	-	-	-	-	-
R	R-E00	2009	3440	-	0
F	-	-	-	-	-
ER	ER-ratio	2009	0.01	-	-
TC	-	-	-	-	-
TL	TL-MT	2009	171	-	-
TB/TBmsy	TB-MT/TBmsy-calc-MT	2009	1.897	-	-
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2009	3.193	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	ER-ratio/ERmsy-ratio	2009	0.093	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	-	-	-	-	-
ER/ERmgt	-	-	-	-	-

Lingcod Southern Pacific Coast [LINGCODSPCOAST]

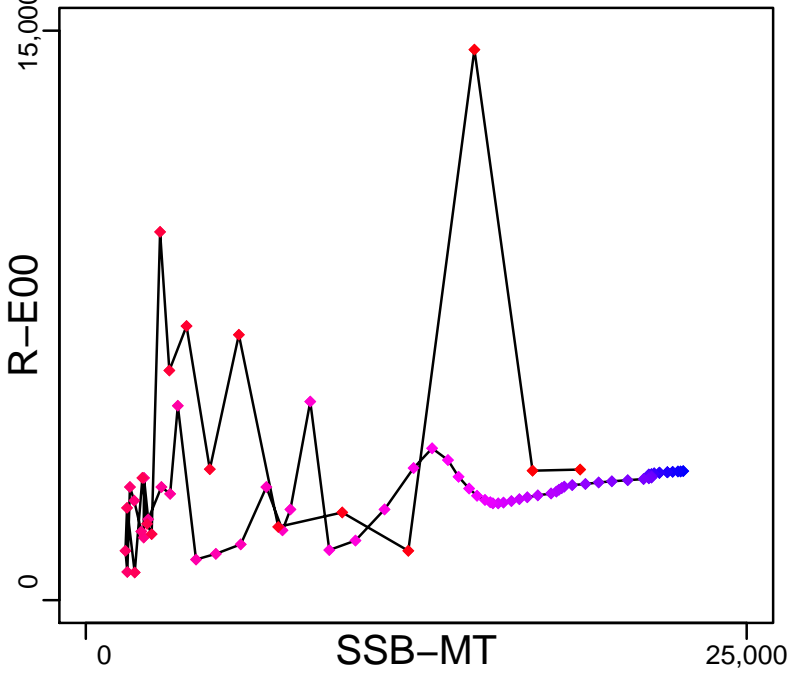
Kobe MSYpref (1928–2009–STACHURA)



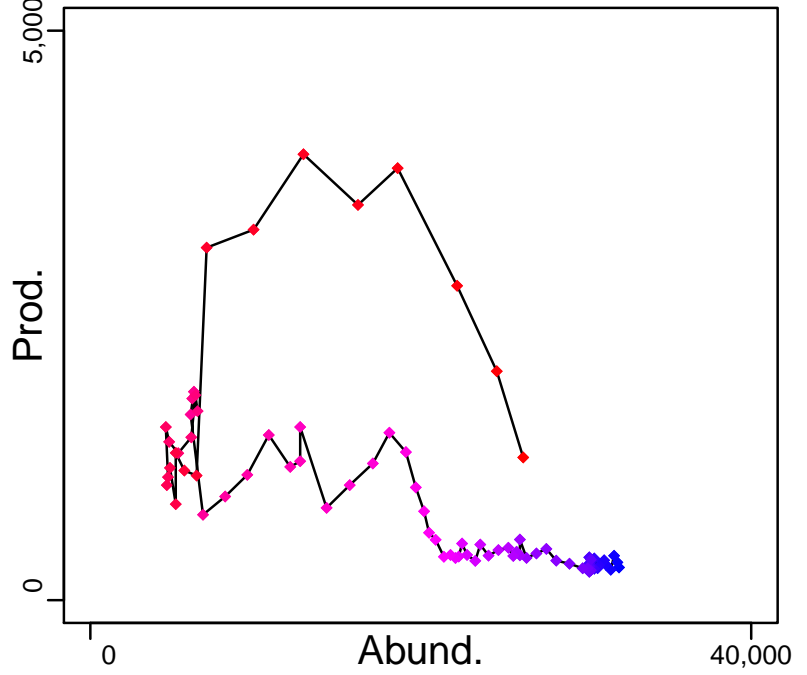
Kobe MGTpref (1928–2009–STACHURA)



Spawner Recruit (1928–2009–STACHURA)



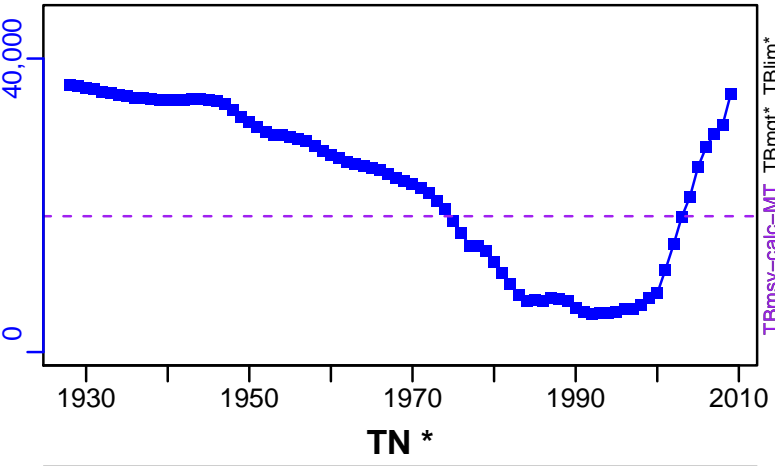
Production (1928–2009–STACHURA)



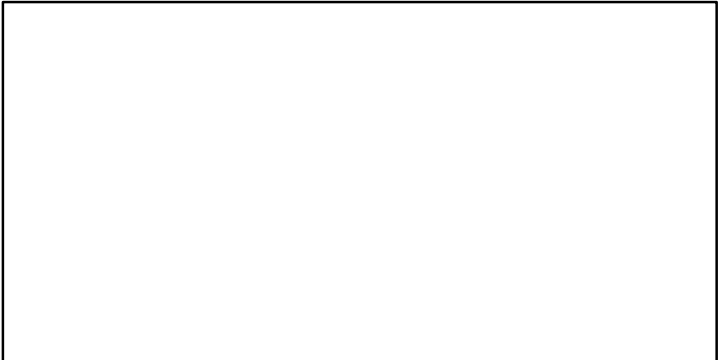
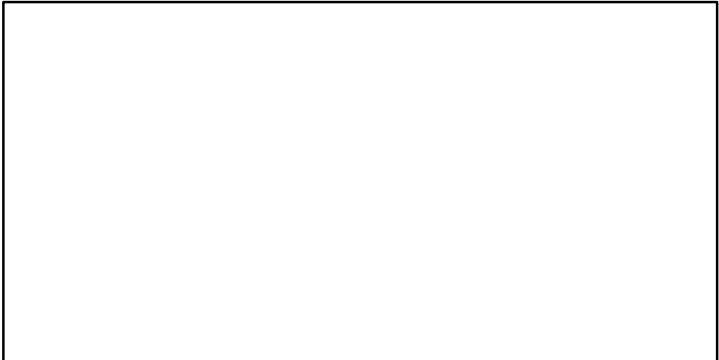
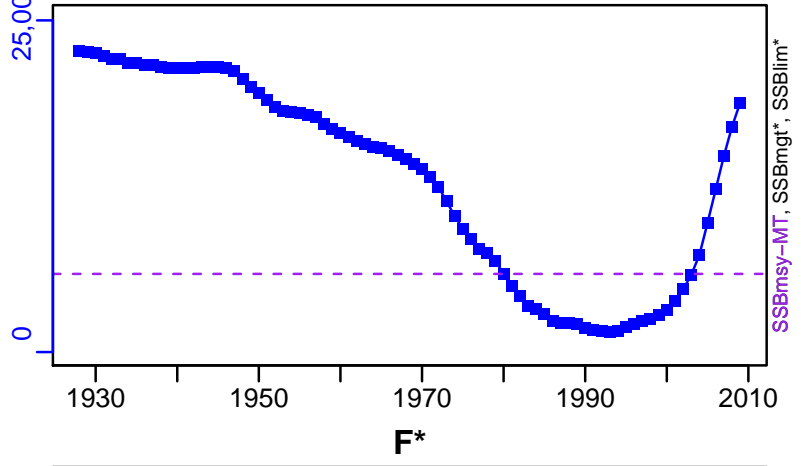
◆ Start Year ◆ End Year * No Data

Lingcod Southern Pacific Coast [LINGCODSPCOAST]

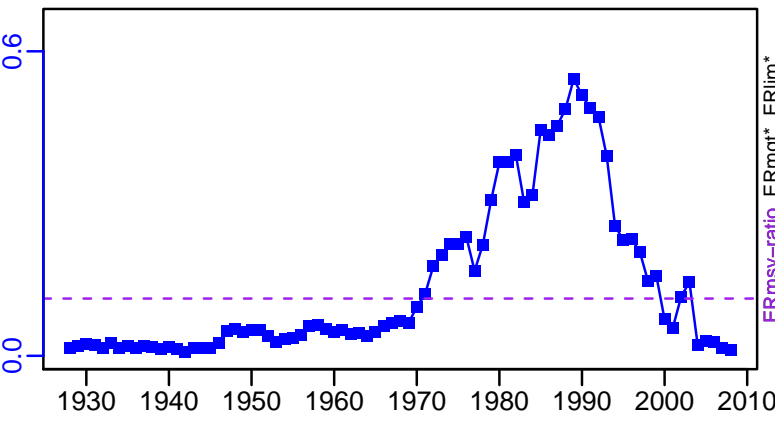
TB-MT (1928-2009-STACHURA)



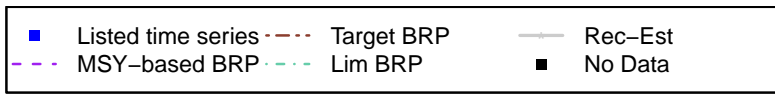
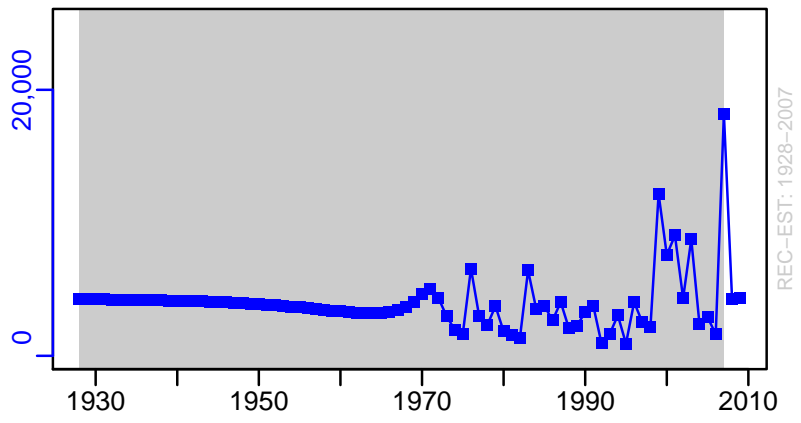
SSB-MT (1928-2009-STACHURA)



ER-ratio (1928-2009-STACHURA)



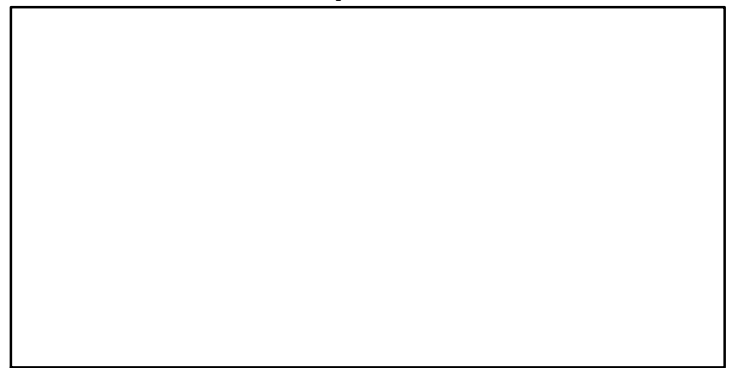
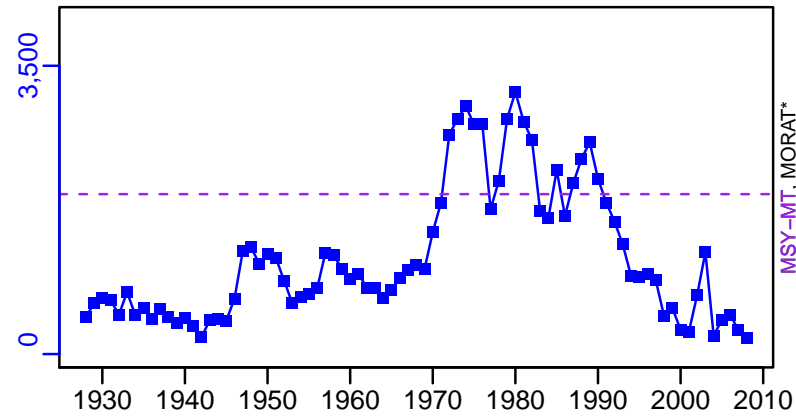
R-E00 (1928-2009-STACHURA)



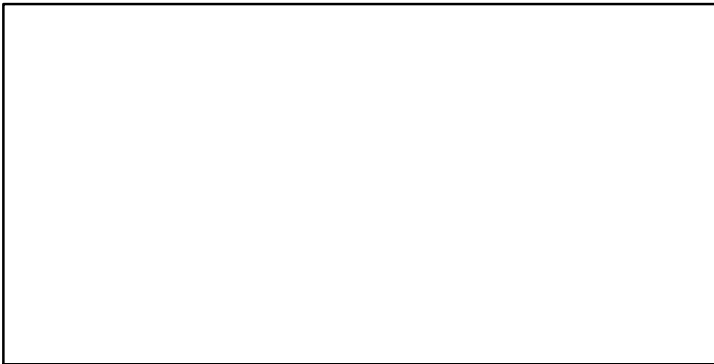
Lingcod Southern Pacific Coast [LINGCODSPCOAST]

TL-MT, TC*, RecC* (1928-2009-STACHURA)

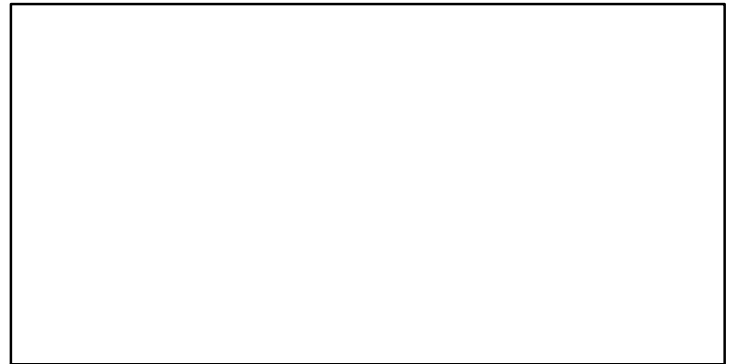
TAC*, Cpair*, Cadv*



survB*



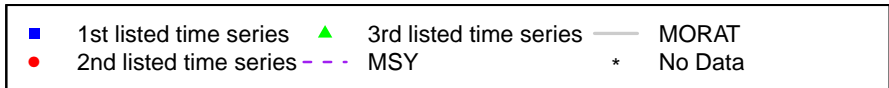
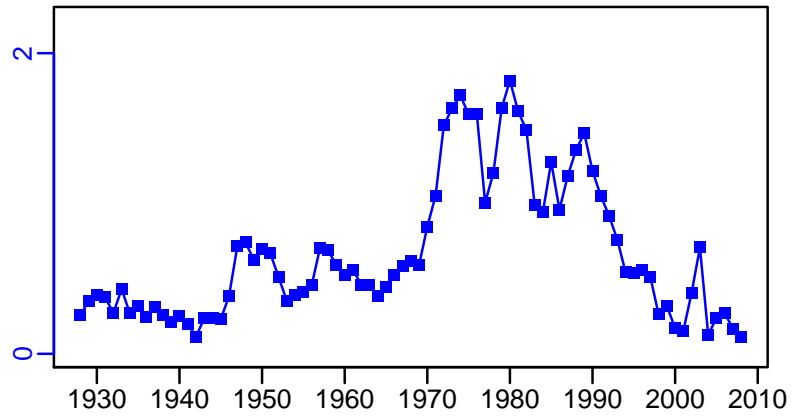
CPUE*



EFFORT*



CdivMSY-ratio (1928-2009-STACHURA)



Red gurnard Northeast Atlantic [RGURNNEATL]

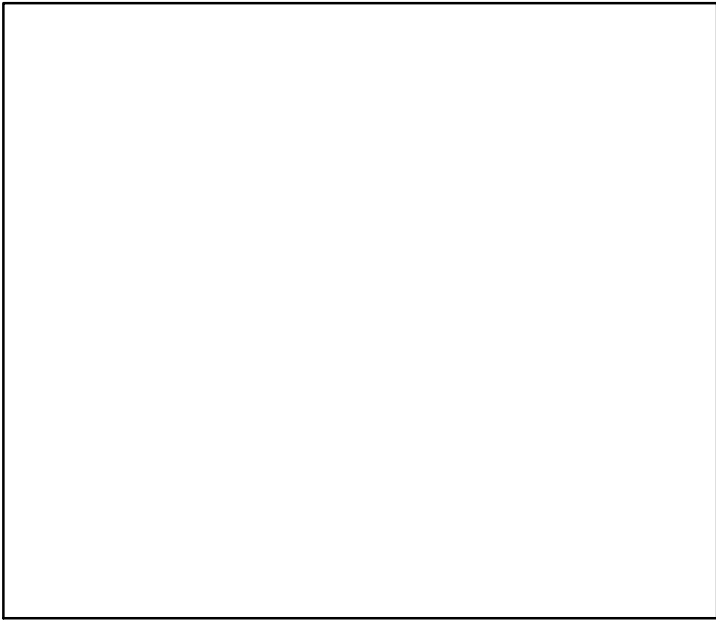
Metadata	
Scientific Name	Chelidonichthys cuculus
Current Assess ID	WGWIDE-RGURNNEATL-2006-2016-ICESIMP2018
Area	Northeast Atlantic
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Widely Distributed Stocks
Asmts in RAM	2014, 2016

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

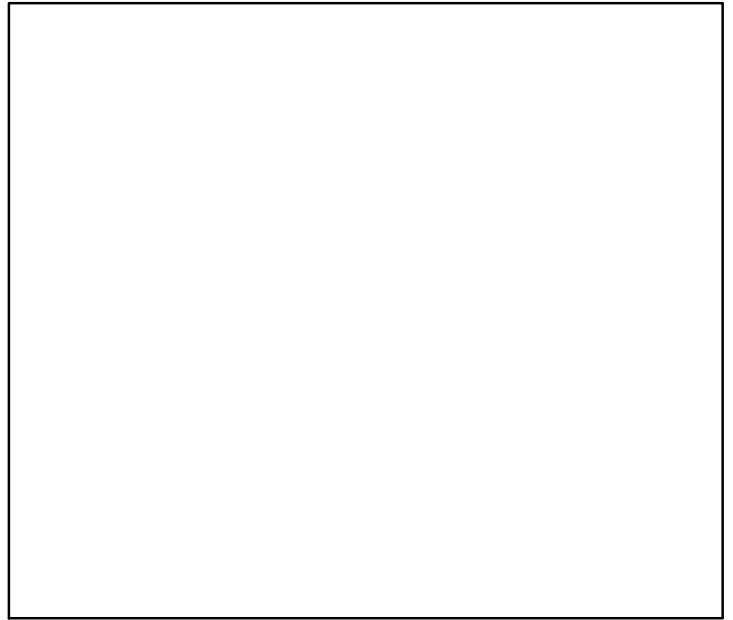
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-	-	-
TL	TL-MT	2016	3650	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	-	-	-	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	-	-	-	-	-
ER/ERmgt	-	-	-	-	-

Red gurnard Northeast Atlantic [RGURNNEATL]

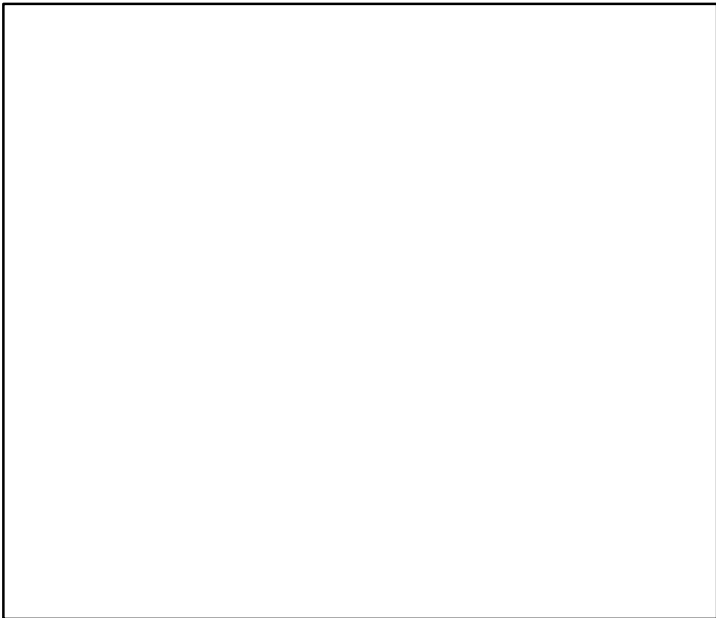
Kobe MSY*



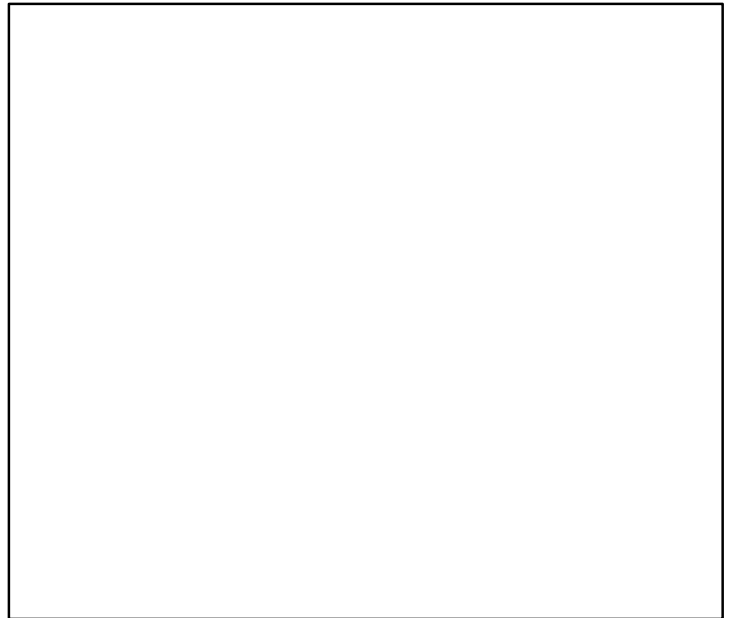
Kobe MGT*



Spawner Recruit*



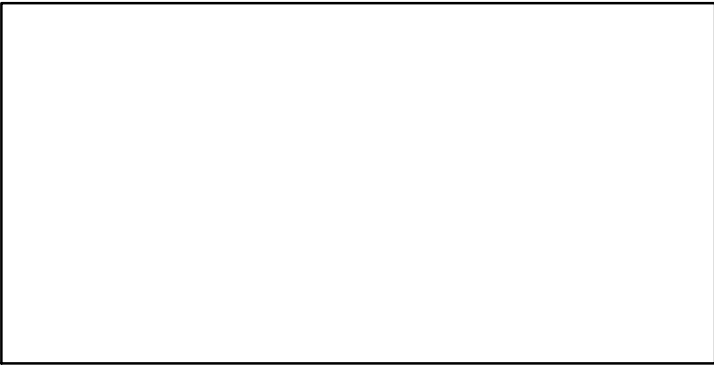
Production*



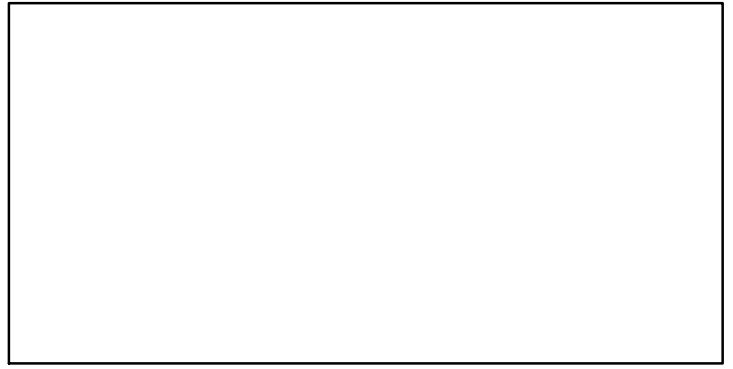
◆ Start Year ◆ End Year * No Data

Red gurnard Northeast Atlantic [RGURNNEATL]

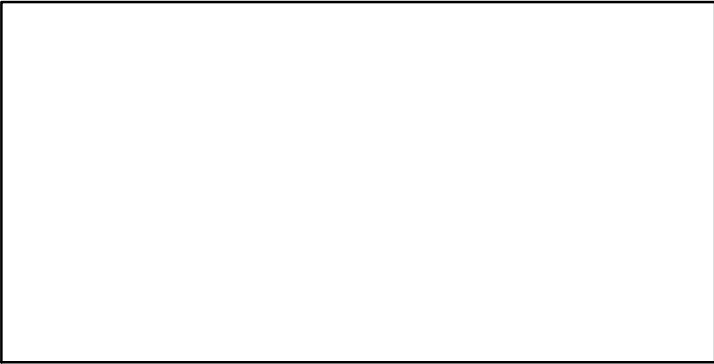
TB*



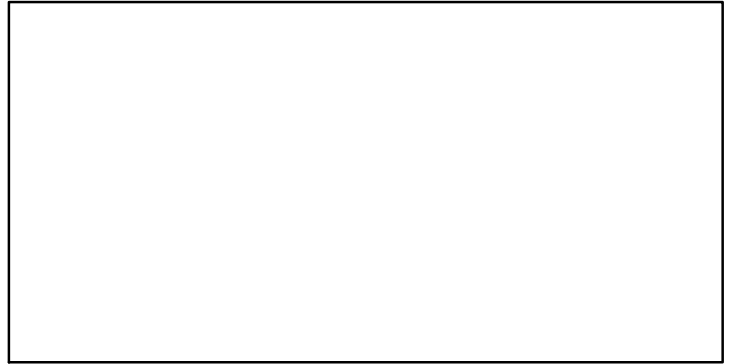
SSB*



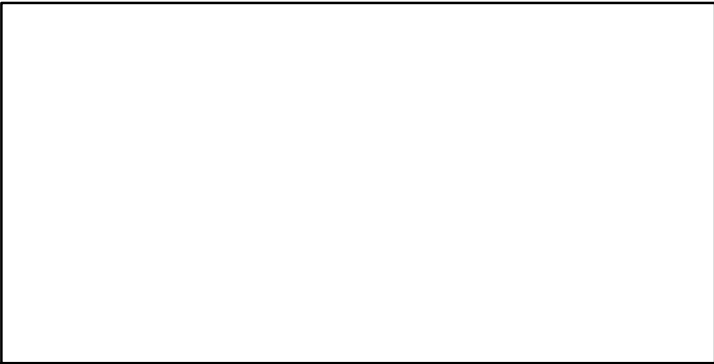
TN *



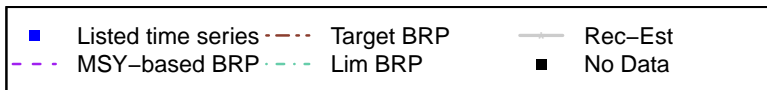
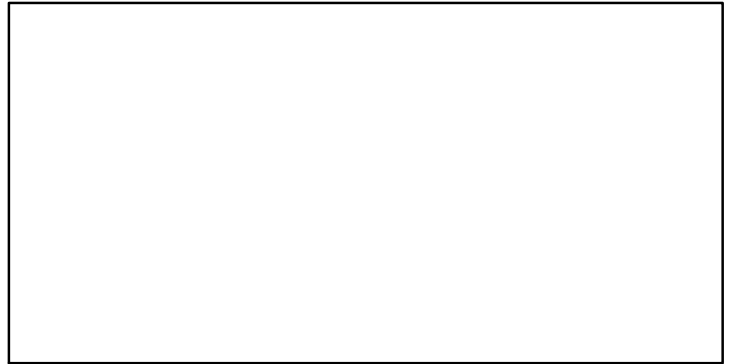
F*



ER*



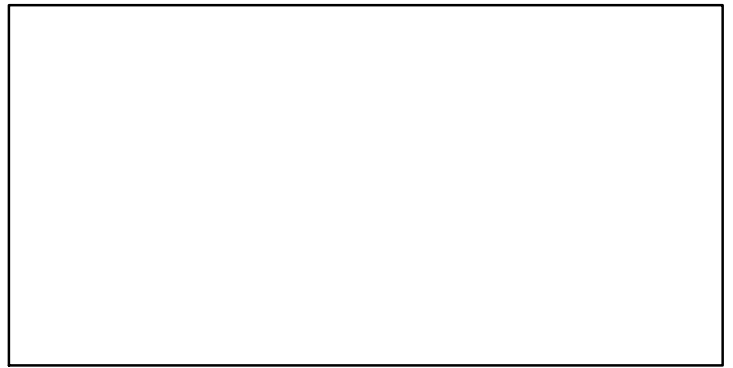
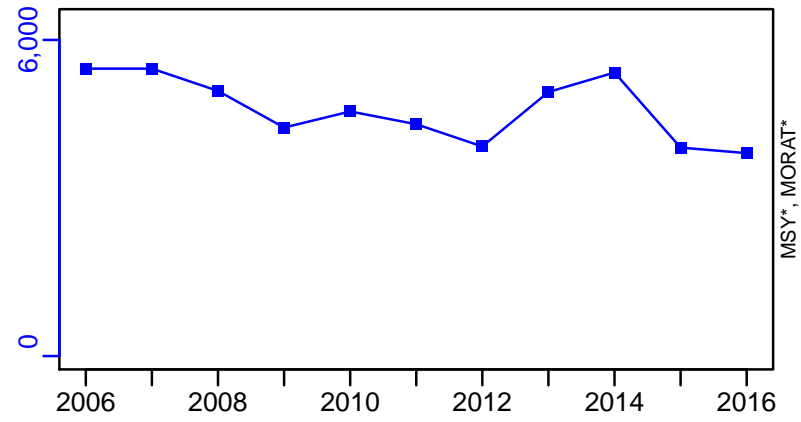
Recruits*



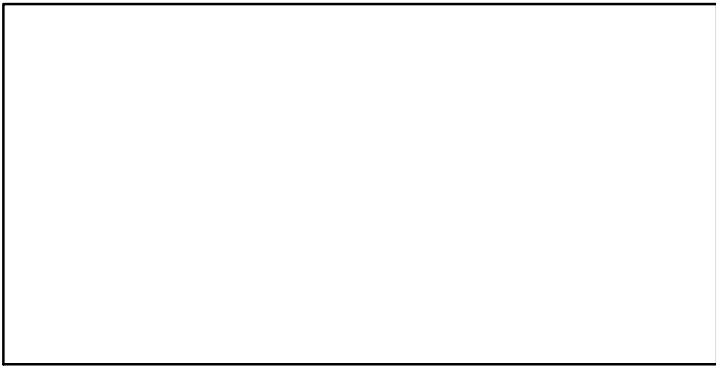
Red gurnard Northeast Atlantic [RGURNNEATL]

TL-MT, TC*, RecC* (2006-2016-ICESIMP2018)

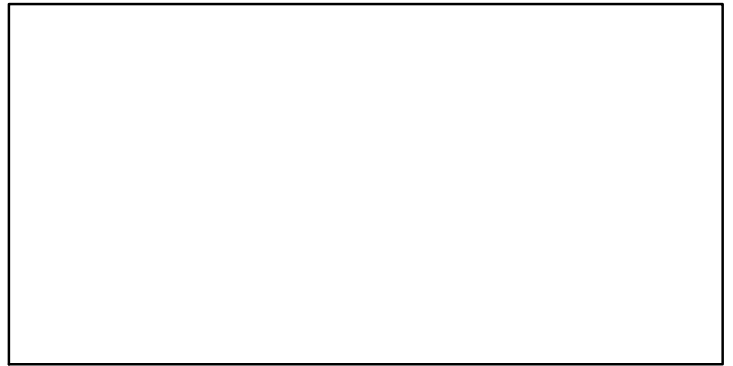
TAC*, Cpair*, Cadv*



survB*



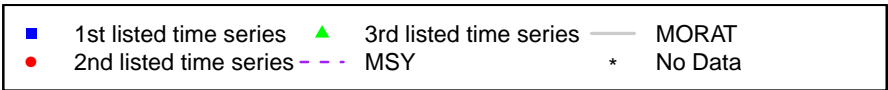
CPUE*



EFFORT*



CdivMSY*



**Sablefish Eastern Bering Sea / Aleutian Islands / Gulf of Alaska
[SABLEFEBSAIGA]**

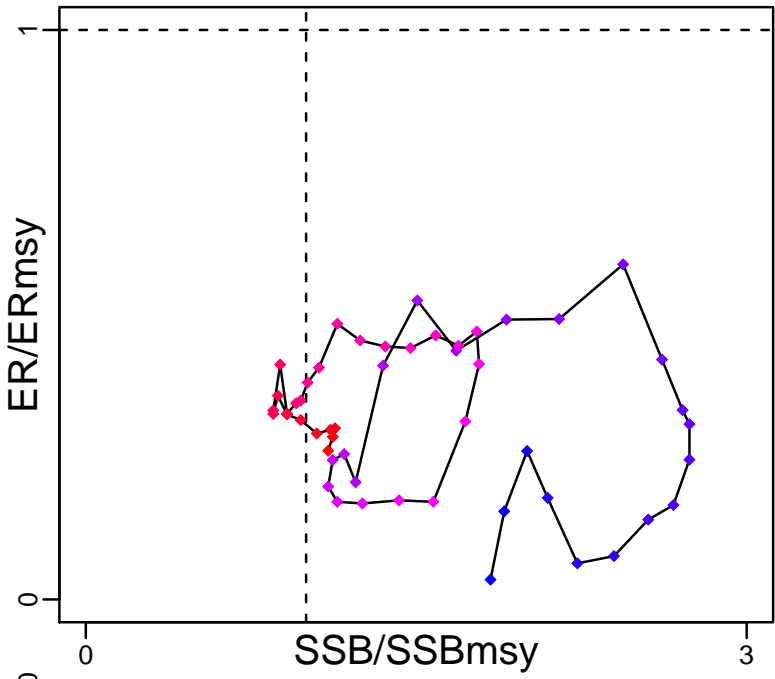
Metadata	
Scientific Name	Anoplopoma fimbria
Current Assess ID	AFSC-SABLEFEBSAIGA-1960-2015-SISIMP2016
Area	Eastern Bering Sea / Aleutian Islands / Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2010, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2010	96,345
SSBmsy	SSBmsy-MT	2015	89,956
Fmsy	Fmsy-pr-1/yr	2010	0.106
ERmsy	ERmsy-ratio	2010	0.197
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-MT	2010	275,270
MSY	MSY-MT	2010	18,950
M	M-1/yr	2010	0.1
TBlim	-	-	-
SSBlim	-	-	-
Flim	Flim-1/yr	2010	0.115
ERlim	-	-	-

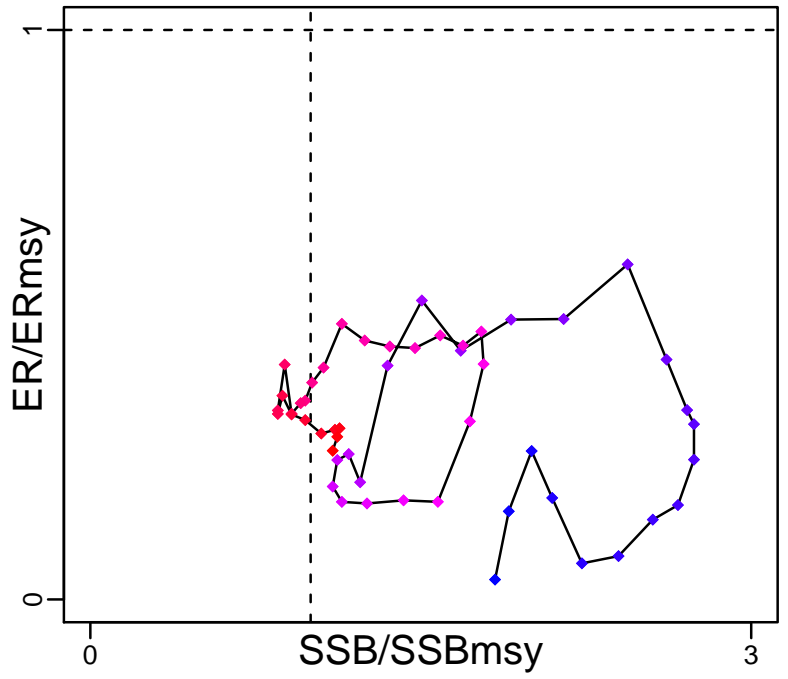
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	202,000	Both	2+
SSB	SSB-MT	2015	90,000	Females	6.6
TN	-	-	-	-	-
R	R-E00	2015	13,300,000	-	2
F	F-1/yr	2015	0.064	-	-
ER	ER-calc-ratio	2015	0.058	-	-
TC	TC-MT	2015	12,000		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-calc-MT	2010	2.283		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2010	0.585		
ER/ERmsy	ER-calc-ratio/ERmsy-ratio	2010	0.261		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Sablefish Eastern Bering Sea / Aleutian Islands / Gulf of Alaska [SABLEFEBSAIGA]

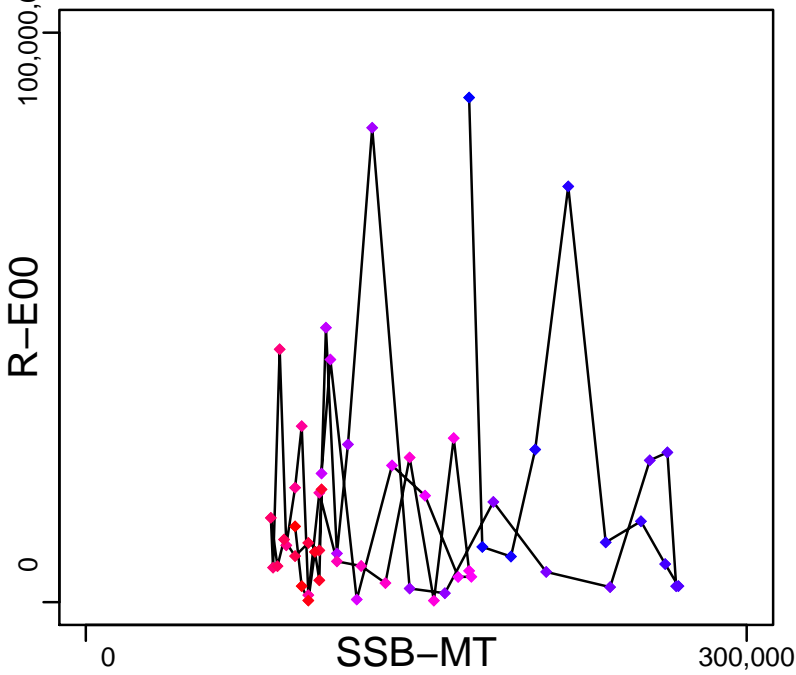
Kobe MSY_{pref} (1958–2010–STACHURA)



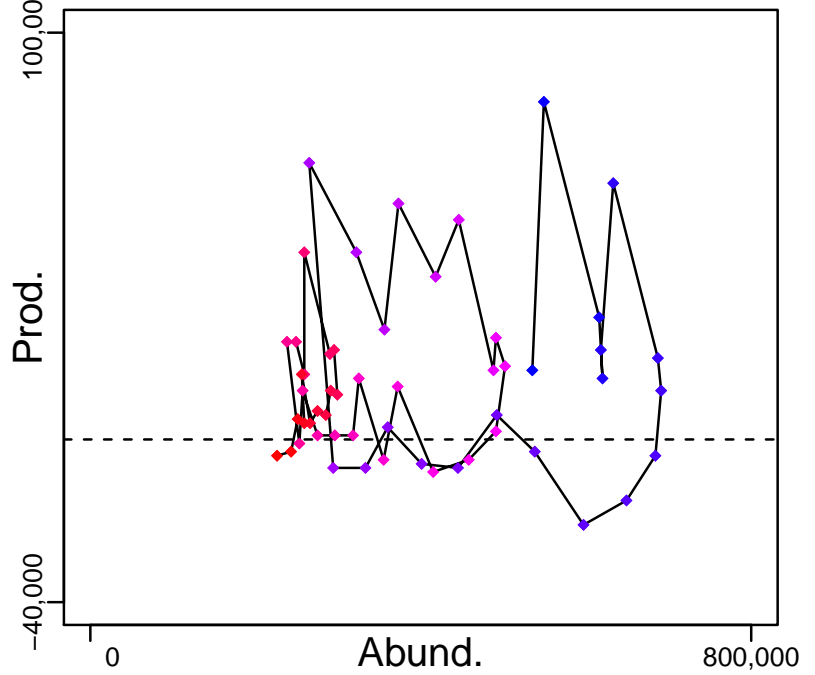
Kobe MGT_{pref} (1958–2010–STACHURA)



Spawner Recruit (1960–2015–SISIMP2016)



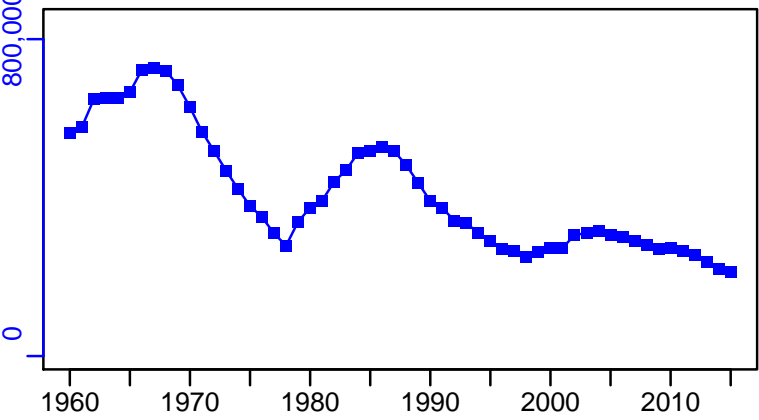
Production (1960–2015–SISIMP2016)



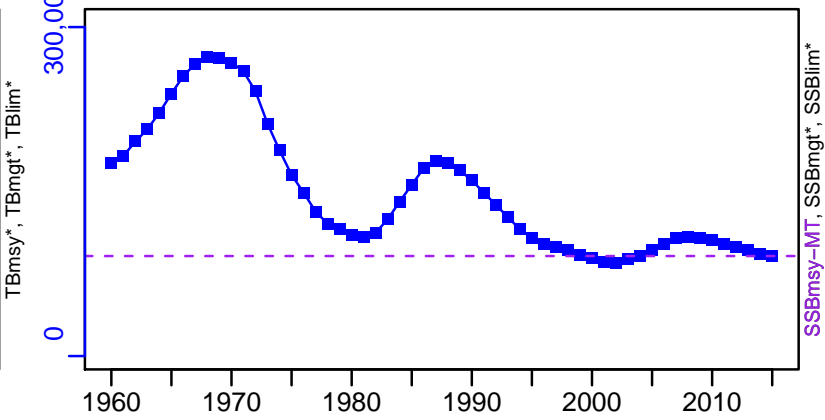
◆ Start Year ◆ End Year * No Data

Sablefish Eastern Bering Sea / Aleutian Islands / Gulf of Alaska [SABLEFEBSAIGA]

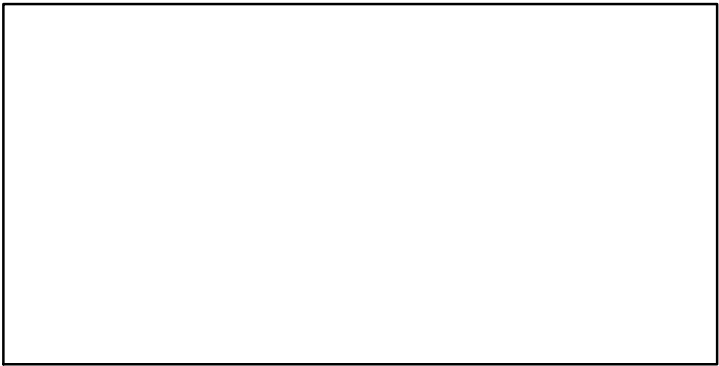
TB-MT (1960-2015-SISIMP2016)



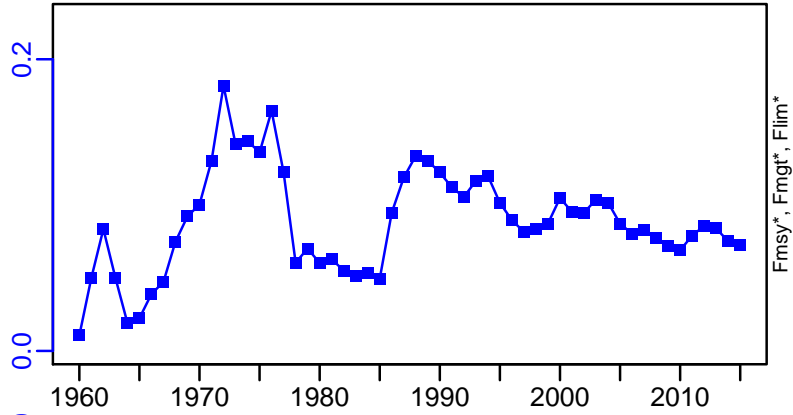
SSB-MT (1960-2015-SISIMP2016)



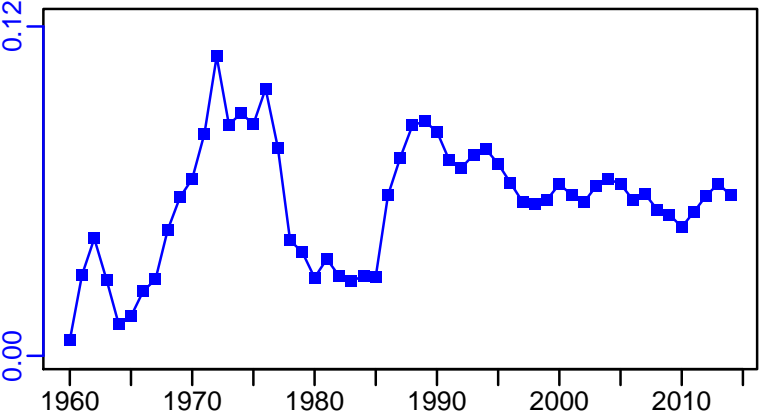
TN *



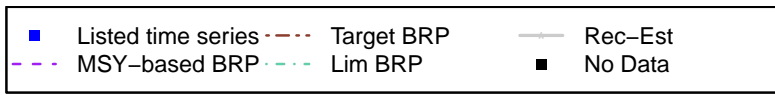
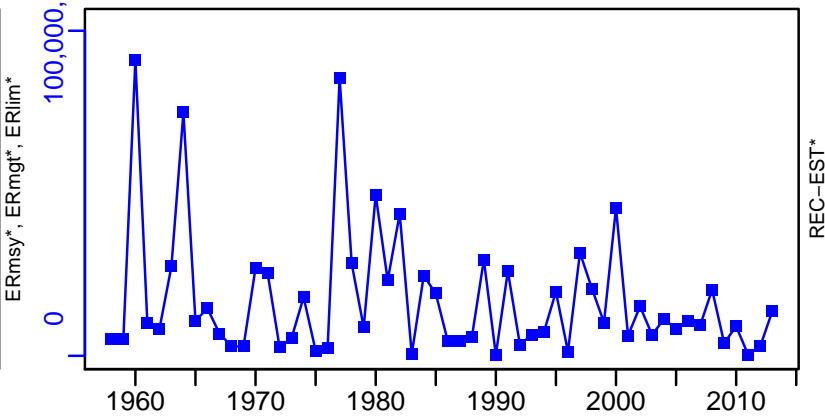
F-1/yr (1960-2015-SISIMP2016)



ER-calc-ratio (1960-2015-SISIMP2016)



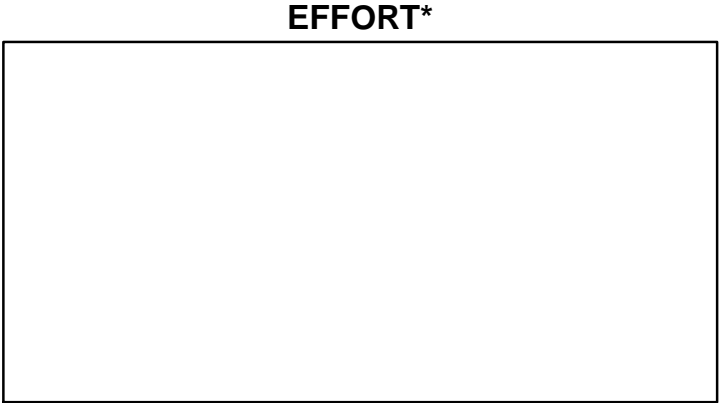
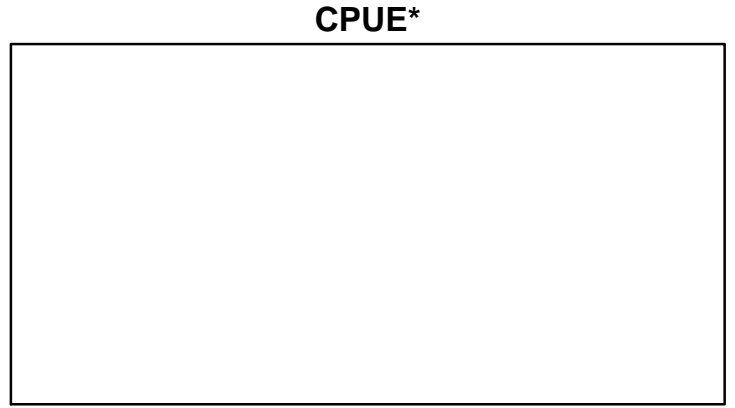
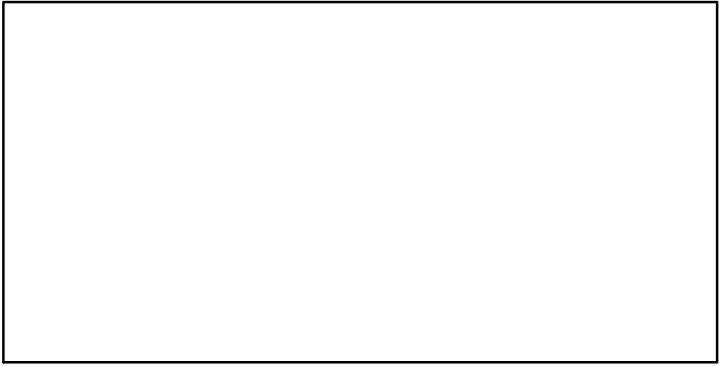
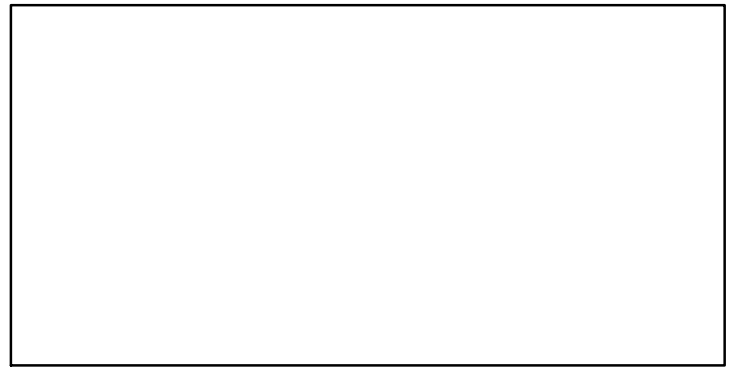
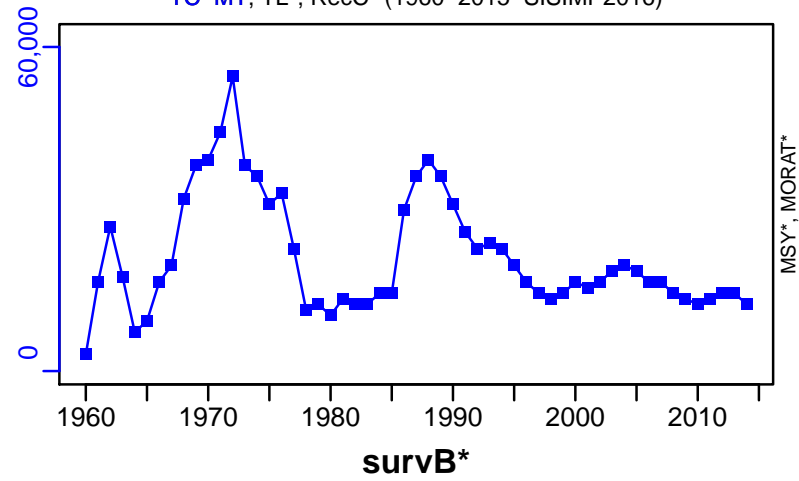
R-E00 (1960-2015-SISIMP2016)



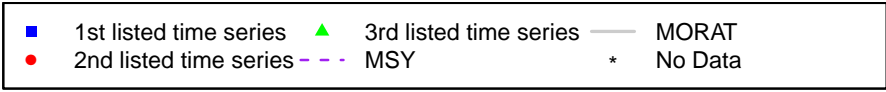
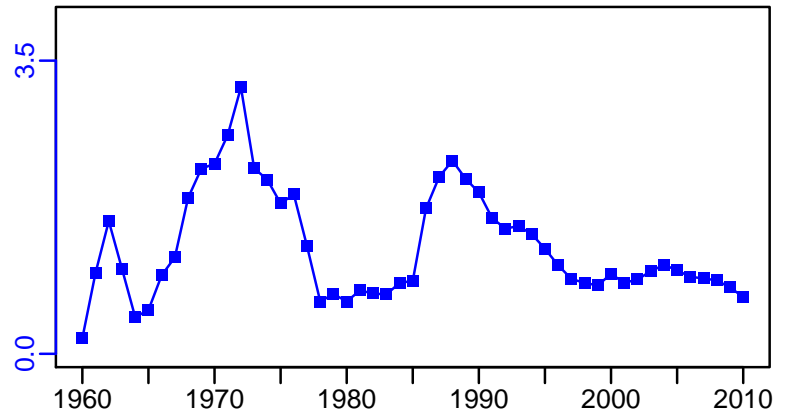
Sablefish Eastern Bering Sea / Aleutian Islands / Gulf of Alaska [SABLEFEBSAIGA]

TC-MT, TL*, RecC* (1960-2015-SISIMP2016)

TAC*, Cpair*, Cadv*



CdivMSY-ratio (1958-2010-STACHURA)



Sablefish Pacific Coast of Canada [SABLEFPCAN]

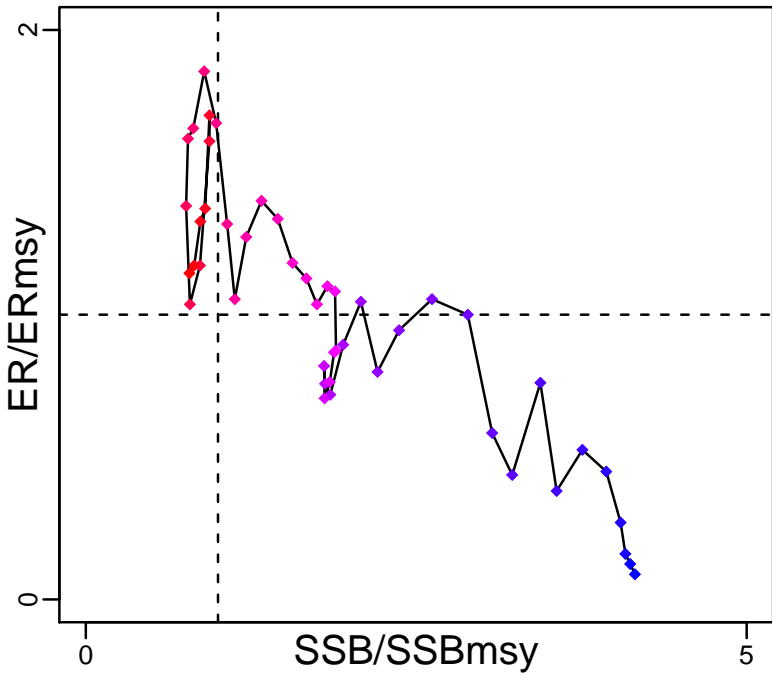
Metadata	
Scientific Name	Anoplopoma fimbria
Current Assess ID	DFO-PAC-SABLEFPCAN-1913-2010-HIVELY
Area	Pacific Coast of Canada
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Asmts in RAM	2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-calc-MT	2010	29,364
SSBmsy	SSBmsy-MT	2010	27,680
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2010	0.11
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-MT	2010	114,770
MSY	MSY-MT	2010	3230
M	M-1/yr	2010	0.06
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

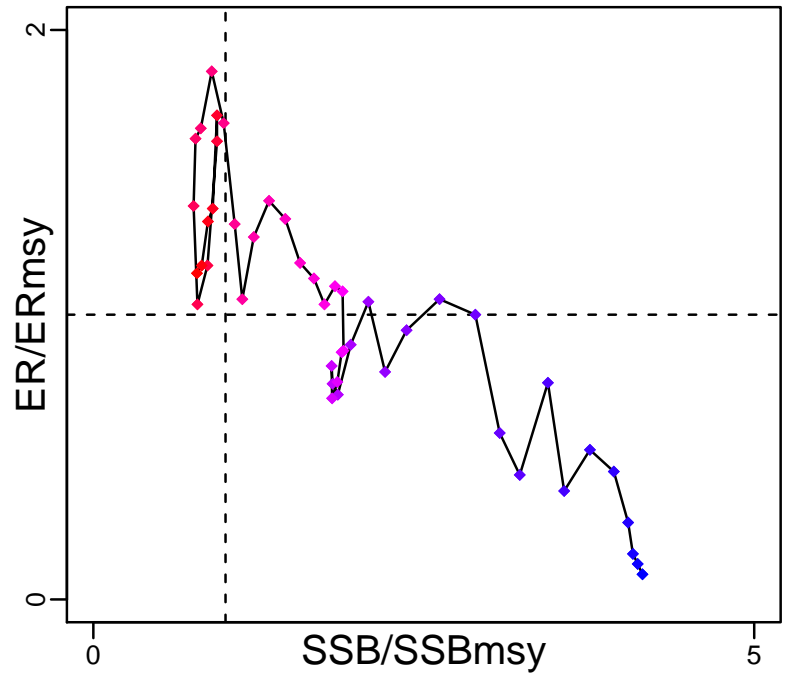
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2010	28,500	-	-
SSB	SSB-MT	2010	21,700	-	-
TN	-	-	-	-	-
R	R-E00	2010	1,770,000	-	-
F	-	-	-	-	-
ER	ER-ratio	2010	0.126	-	-
TC	-	-	-	-	-
TL	TL-MT	2010	2080	-	-
TB/TBmsy	TB-MT/TBmsy-calc-MT	2010	0.971	-	-
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2010	0.784	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	ER-ratio/ERmsy-ratio	2010	1.145	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	-	-	-	-	-
ER/ERmgt	-	-	-	-	-

Sablefish Pacific Coast of Canada [SABLEFPCAN]

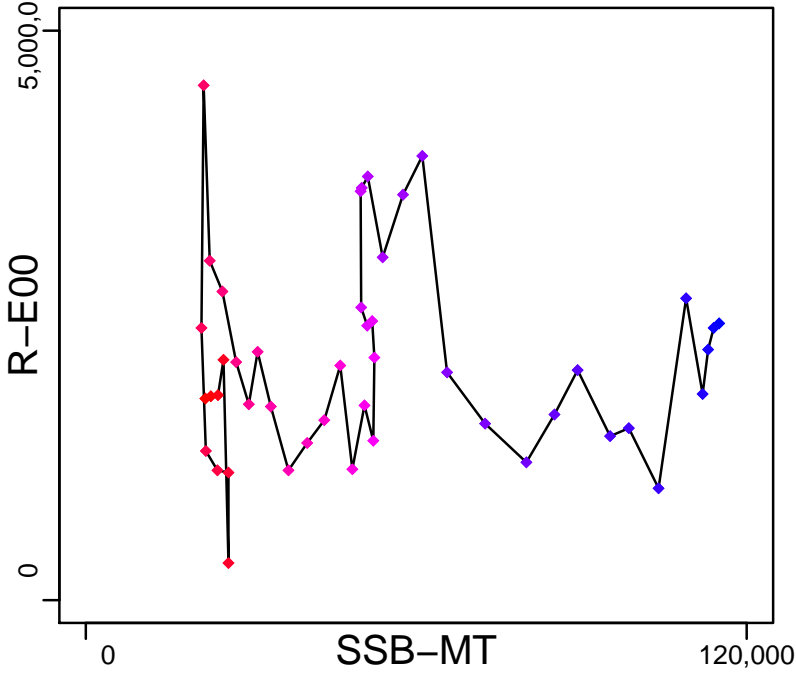
Kobe MSYpref (1913–2010–HIVELY)



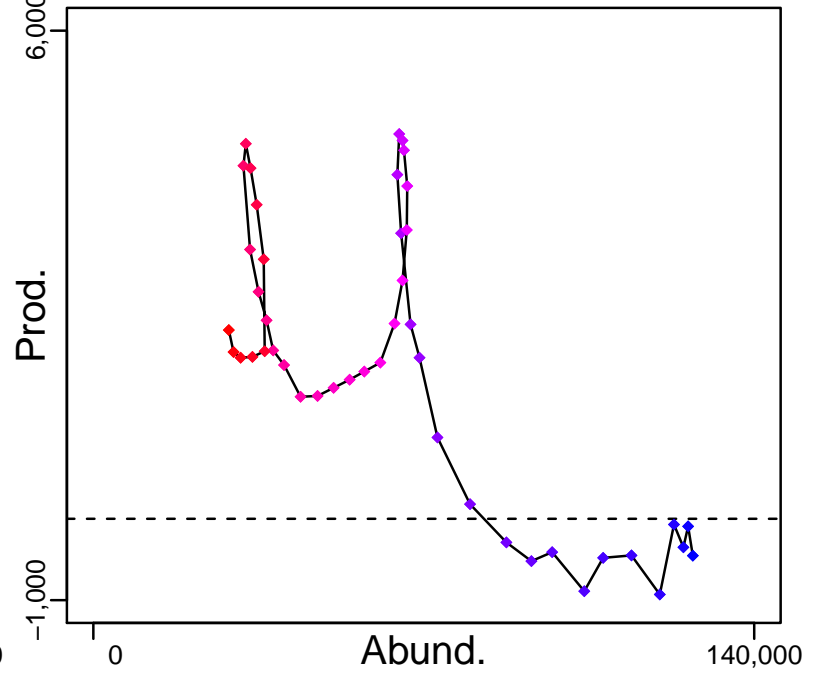
Kobe MGTpref (1913–2010–HIVELY)



Spawner Recruit (1913–2010–HIVELY)



Production (1913–2010–HIVELY)

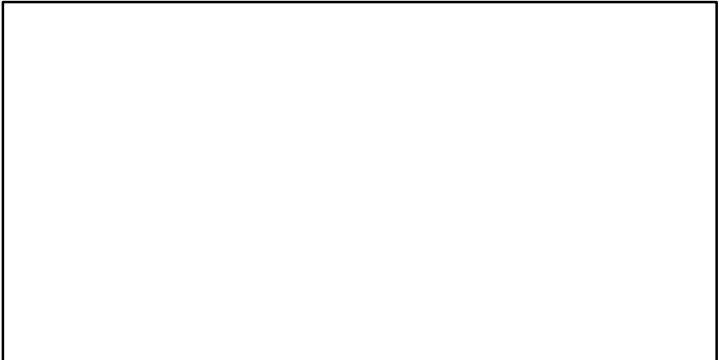
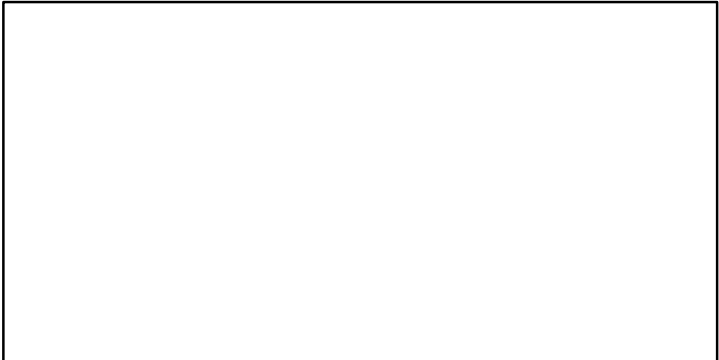
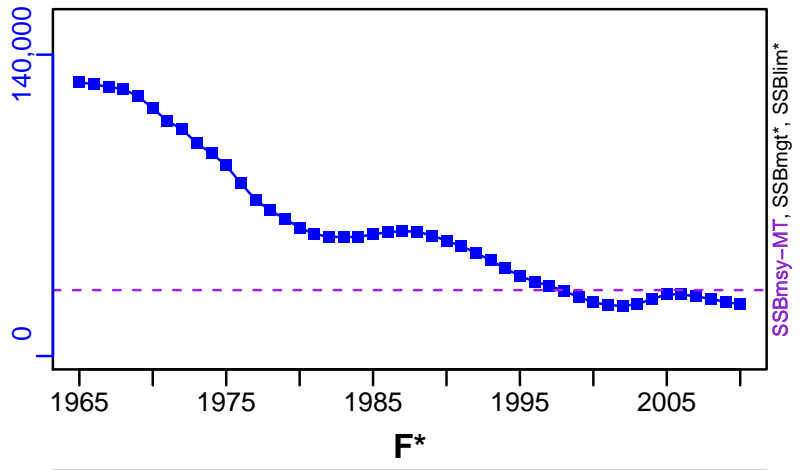
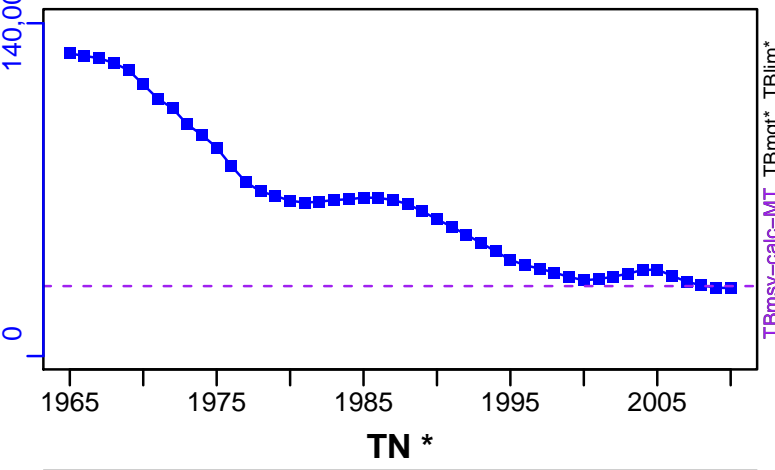


◆ Start Year ◆ End Year * No Data

Sablefish Pacific Coast of Canada [SABLEFPCAN]

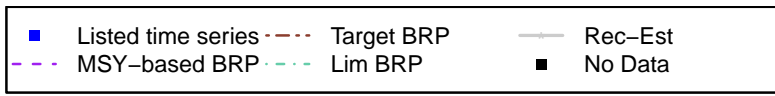
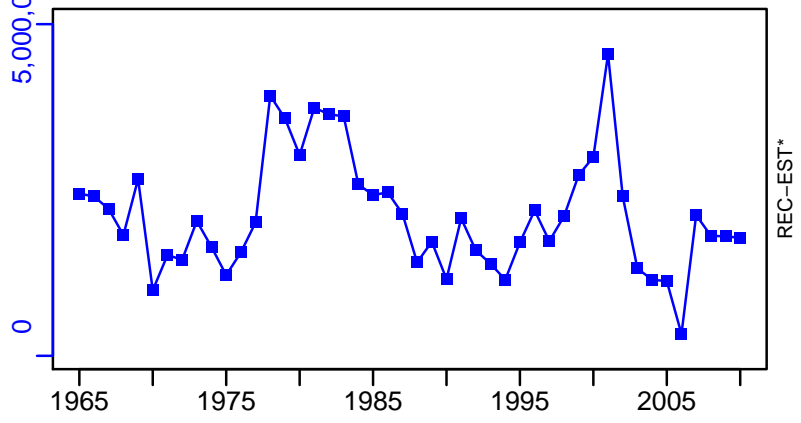
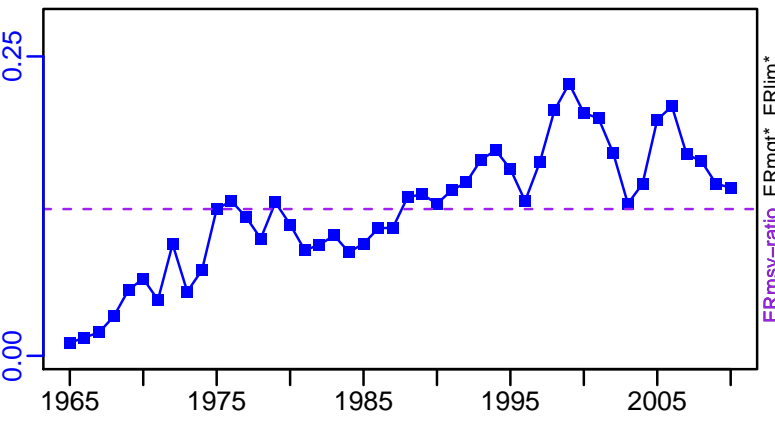
TB-MT (1913-2010-HIVELY)

SSB-MT (1913-2010-HIVELY)



ER-ratio (1913-2010-HIVELY)

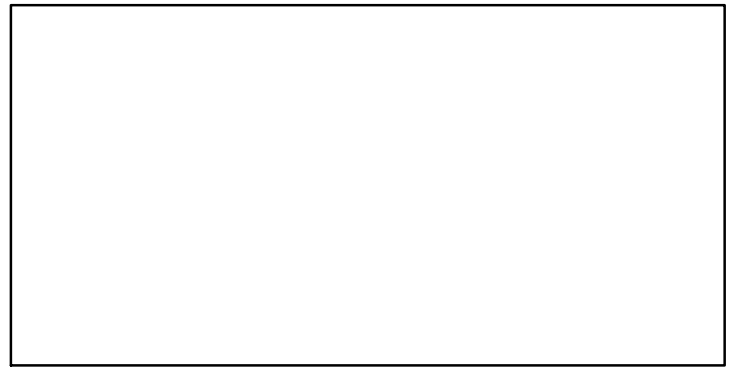
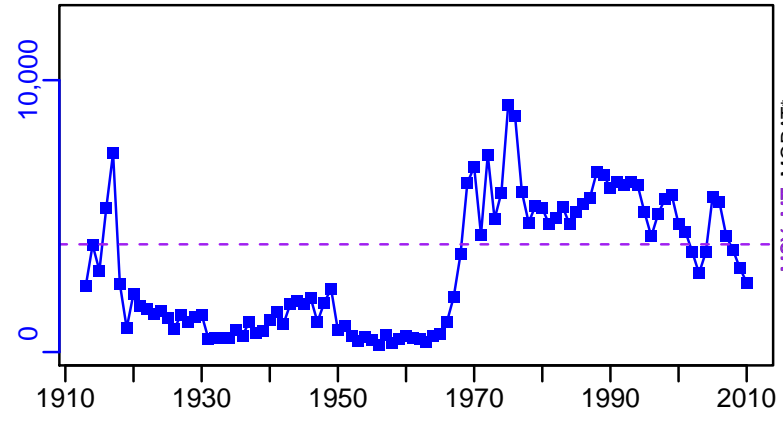
R-E00 (1913-2010-HIVELY)



Sablefish Pacific Coast of Canada [SABLEFPCAN]

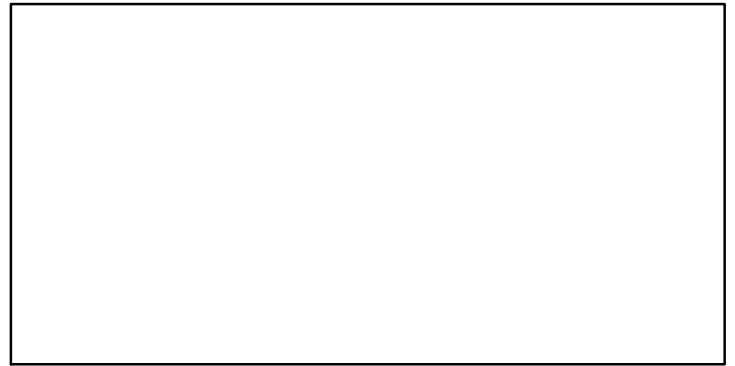
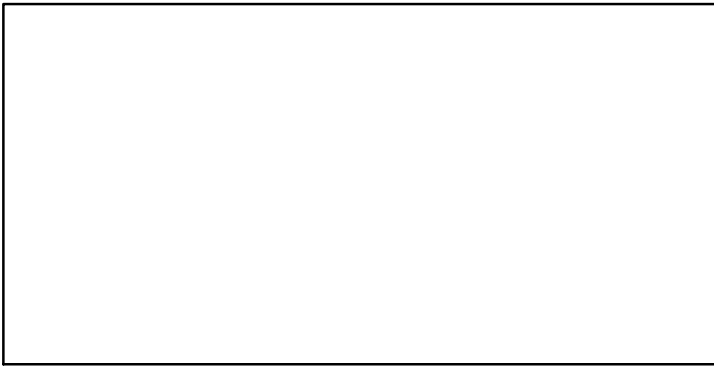
TL-MT, TC*, RecC* (1913-2010-HIVELY)

TAC*, Cpair*, Cadv*



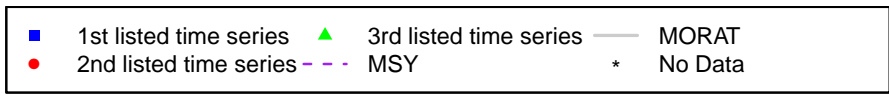
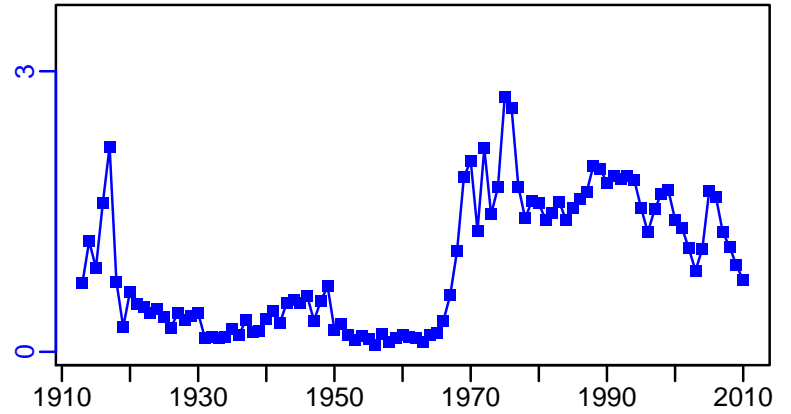
survB*

CPUE*



EFFORT*

CdivMSY-ratio (1913-2010-HIVELY)



Sablefish Pacific Coast [SABLEFPCOAST]

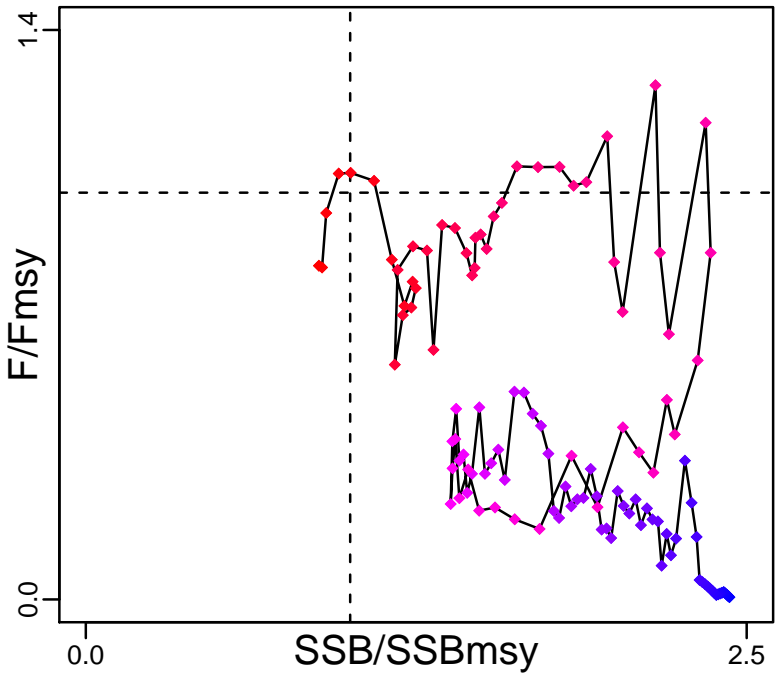
Metadata	
Scientific Name	Anoplopoma fimbria
Current Assess ID	NWFSC-SABLEFPCOAST-1900-2015-SISIMP2016
Area	Pacific Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Northwest Fisheries Science Center
Asmts in RAM	2011, 2015

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

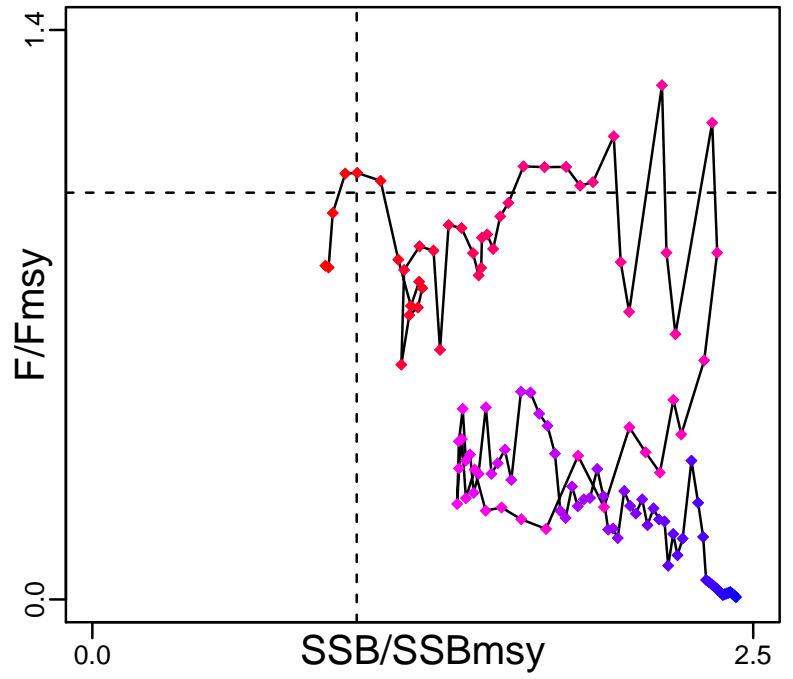
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	168,000	-	4+
SSB	SSB-MT	2015	52,000	Females	-
TN	-	-	-	-	-
R	R-E00	2015	13,100,000	-	0
F	F-1/yr	2015	0.451	-	-
ER	ER-calc-ratio	2015	0.026	-	-
TC	TC-MT	2015	4460		
TL	TL-MT	2011	6820		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	0.863		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.82		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Sablefish Pacific Coast [SABLEFPCOAST]

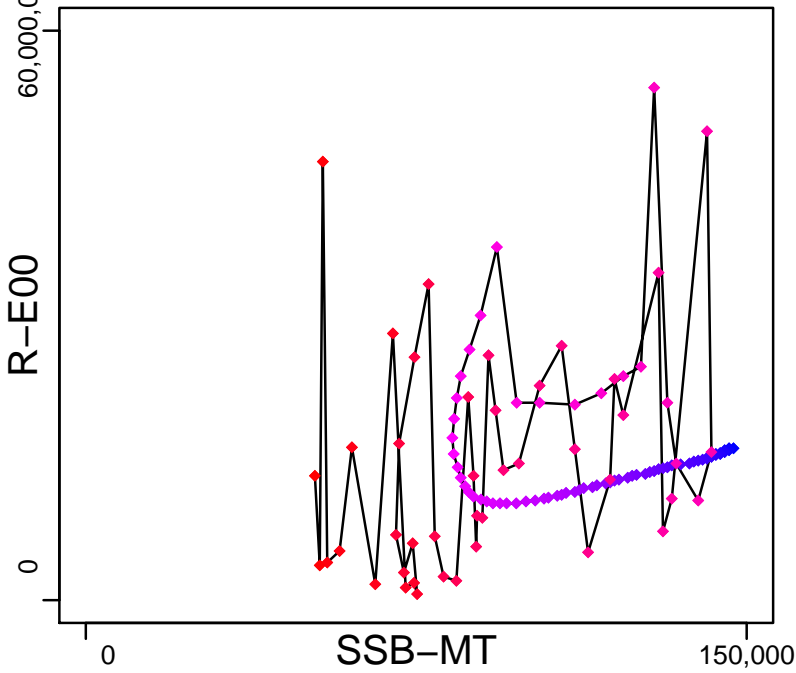
Kobe MSYpref (1900–2015–SISIMP2016)



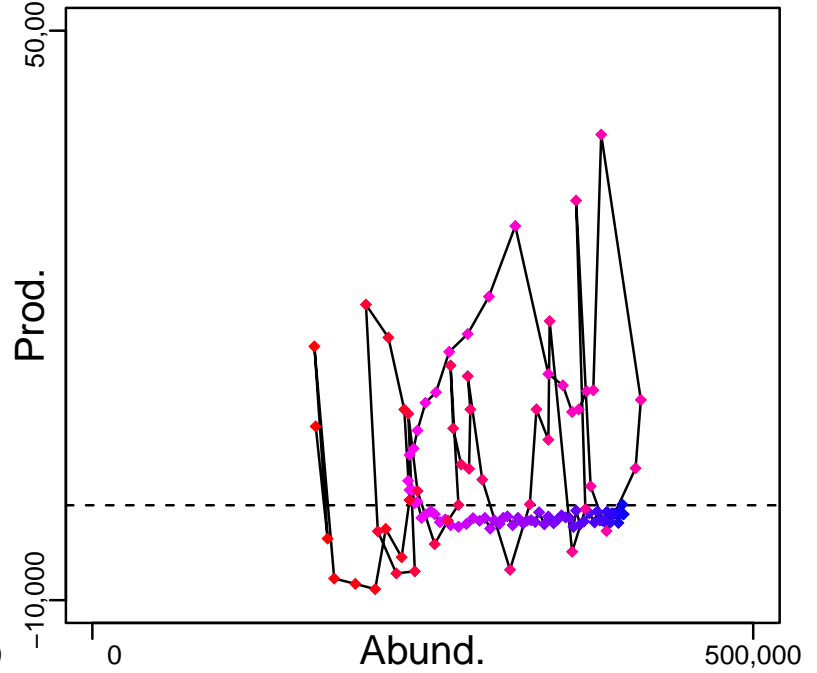
Kobe MGTpref (1900–2015–SISIMP2016)



Spawner Recruit (1900–2015–SISIMP2016)



Production (1900–2015–SISIMP2016)

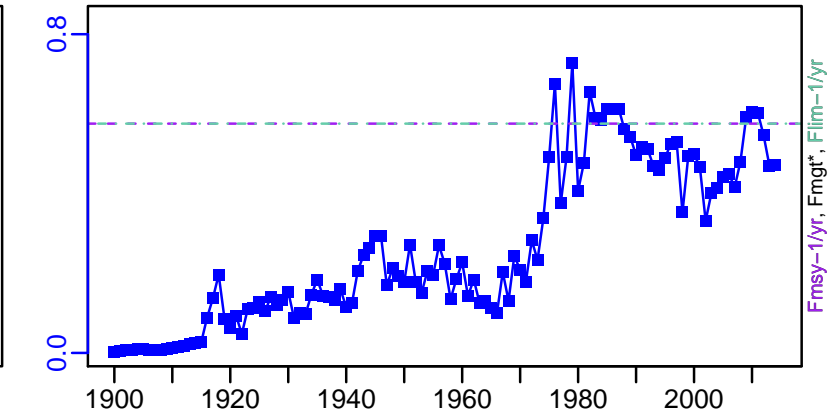
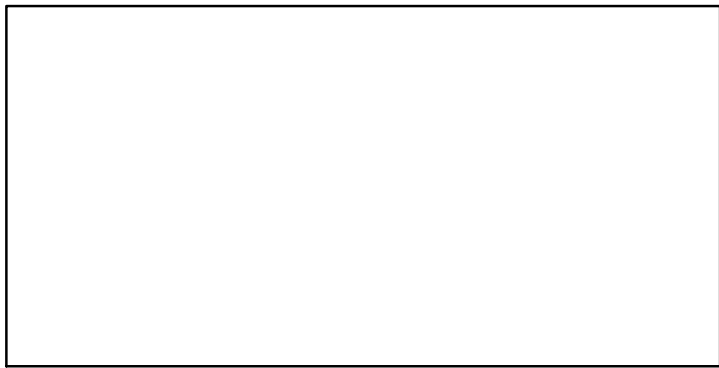
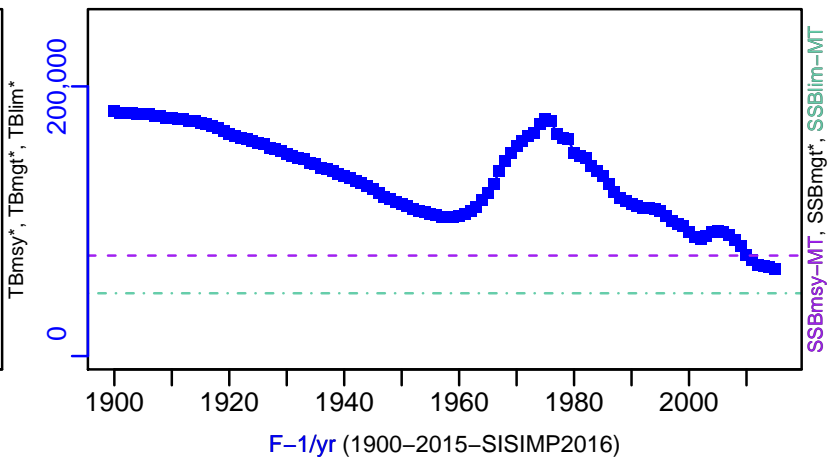
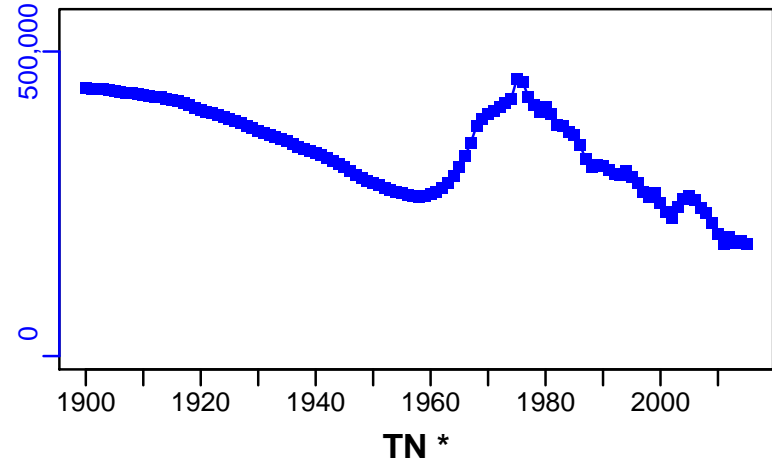


◆ Start Year ◆ End Year * No Data

Sablefish Pacific Coast [SABLEFPCOAST]

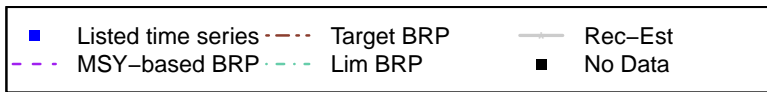
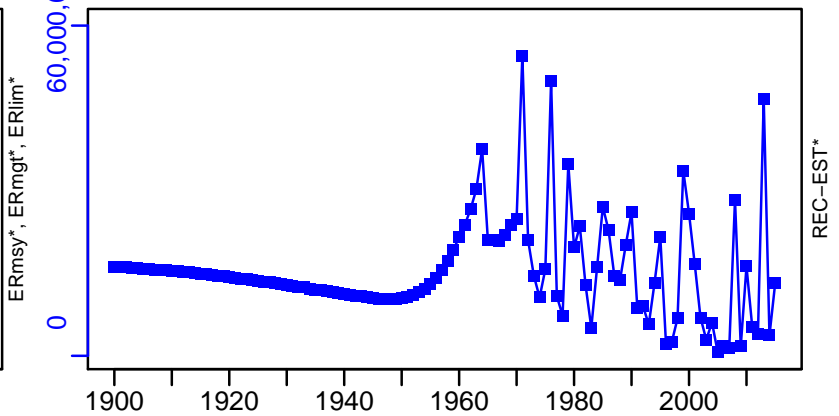
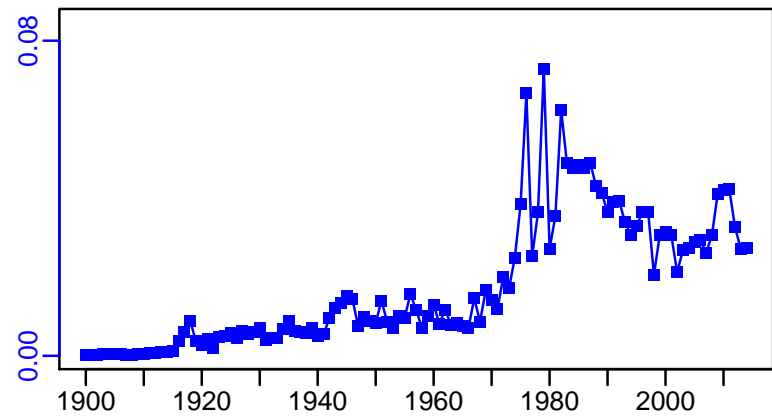
TB-MT (1900-2015-SISIMP2016)

SSB-MT (1900-2015-SISIMP2016)



ER-calc-ratio (1900-2015-SISIMP2016)

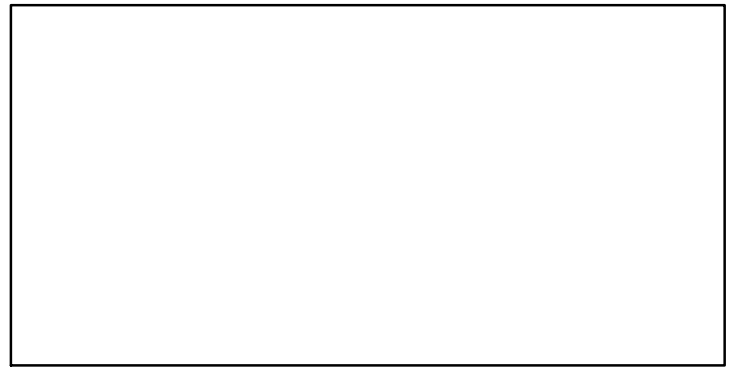
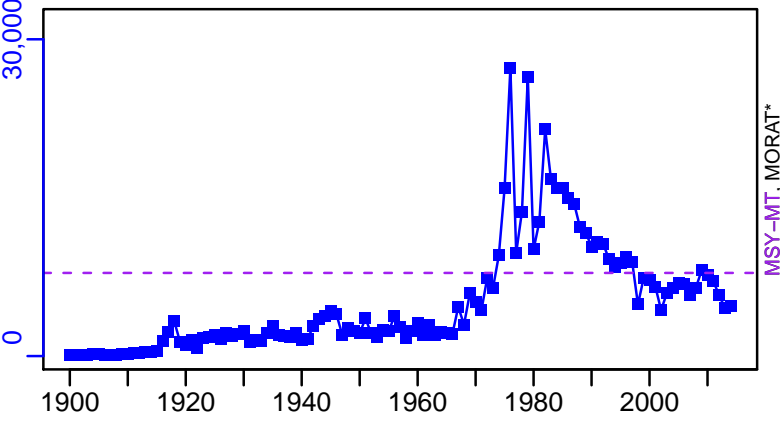
R-E00 (1900-2015-SISIMP2016)



Sablefish Pacific Coast [SABLEFPCOAST]

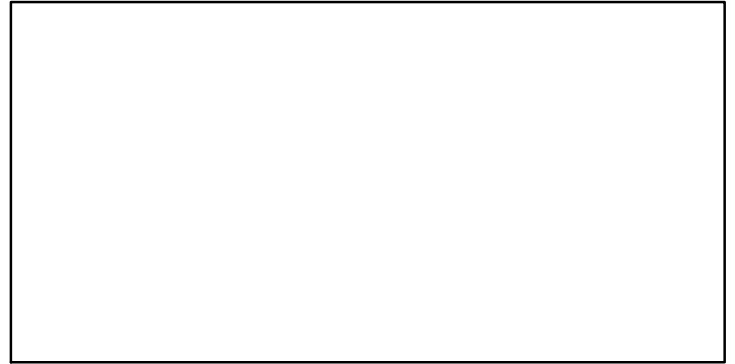
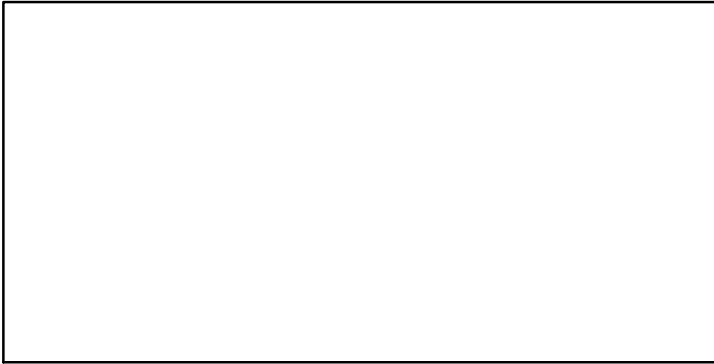
TC-MT, TL*, RecC* (1900-2015-SISIMP2016)

TAC*, Cpair*, Cadv*



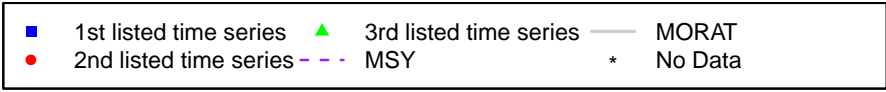
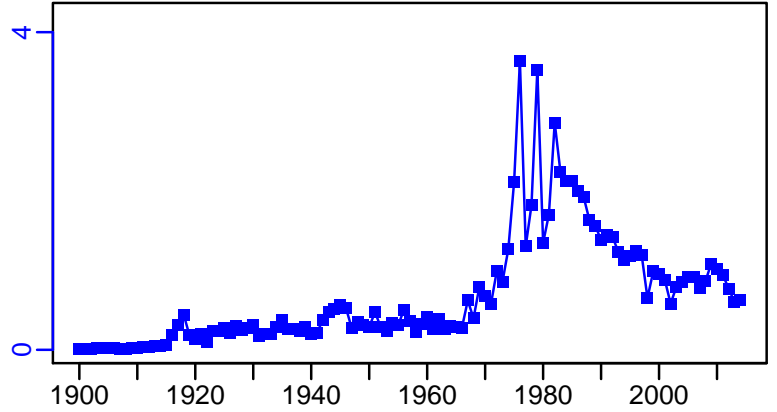
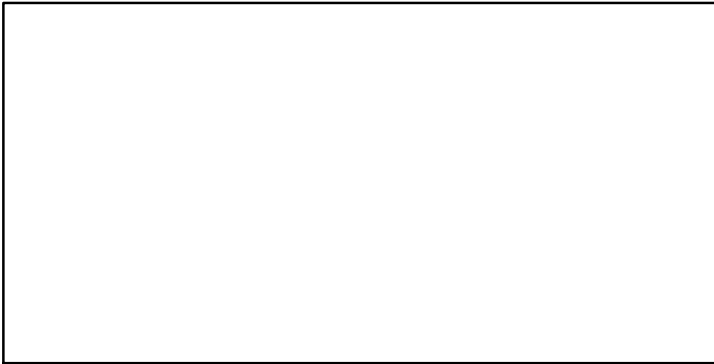
survB*

CPUE*



EFFORT*

CdivMSY-ratio (1900-2015-SISIMP2016)



Tiger flathead Southeast Australia [TIGERFLATSE]

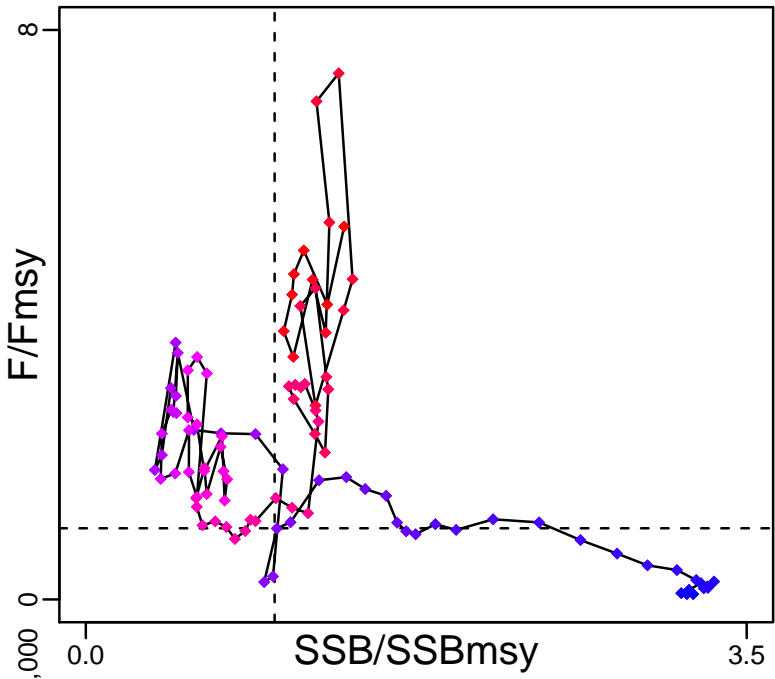
Metadata	
Scientific Name	Neoplatycephalus richardsoni
Current Assess ID	CSIRO-TIGERFLATSE-1915-2015-MOESENER
Area	Southeast Australia
Management Authority	Australian Fisheries Management Authority, Australia national management
Assessor	Commonwealth Scientific and Industrial Research Organization
Asmts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

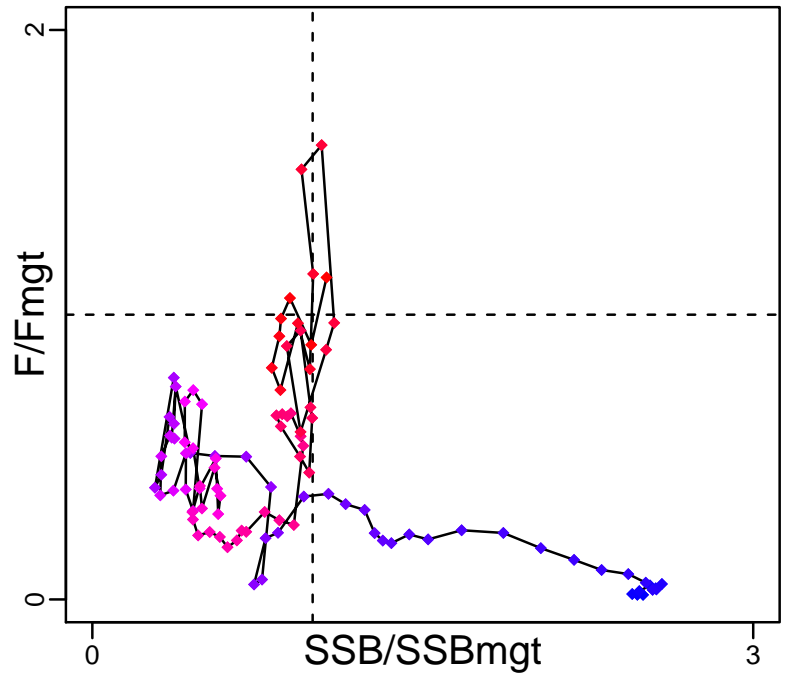
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	23,400	-	-
SSB	SSB-MT	2015	9820	-	-
TN	-	-	-	-	-
R	R-E00	2015	1.72×10^{13}	-	-
F	F-1/yr	2015	0.853	-	-
ER	ER-ratio	2015	0.14	-	-
TC	-	-	-	-	-
TL	TL-MT	2015	3070	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.368	-	-
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	5.239	-	-
ER/ERmsy	-	-	-	-	-
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]

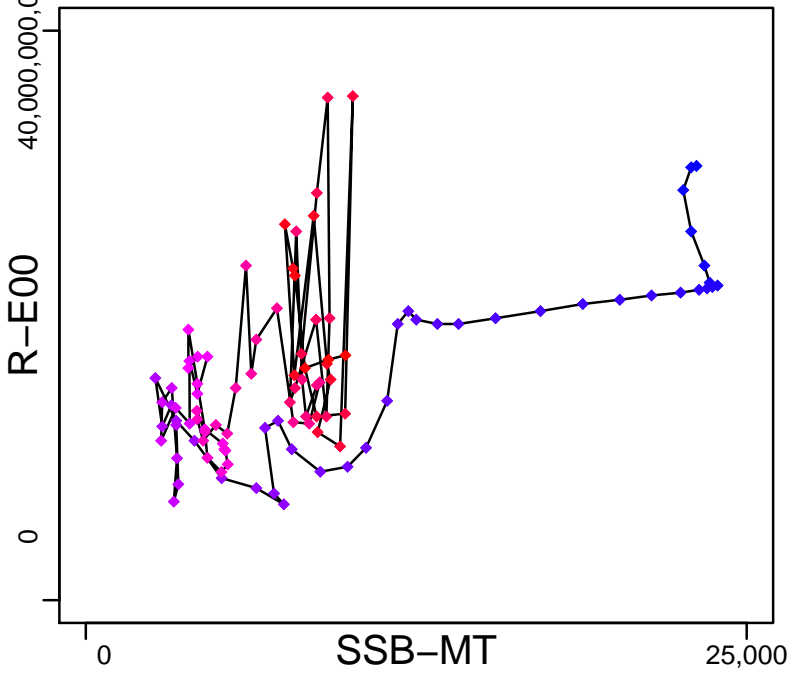
Kobe MSYpref (1915–2015–MOESENEDER)



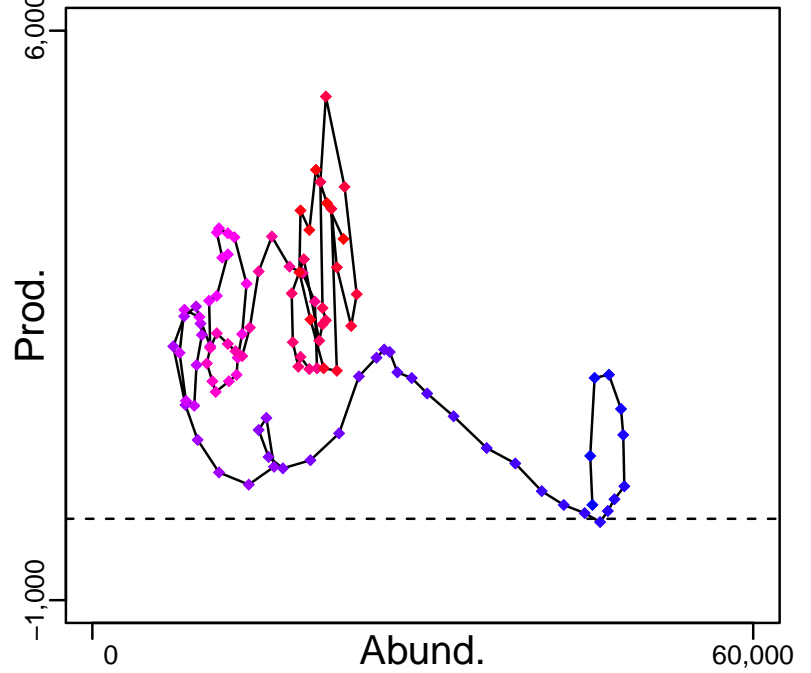
Kobe MGTpref (1915–2015–MOESENEDER)



Spawner Recruit (1915–2015–MOESENEDER)



Production (1915–2015–MOESENEDER)

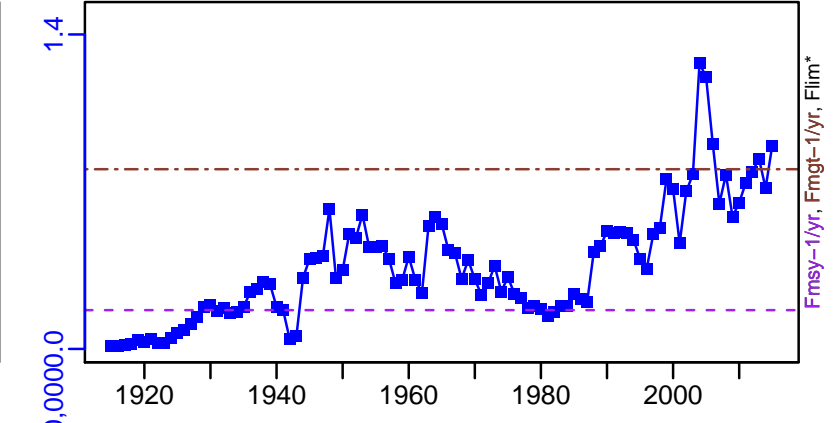
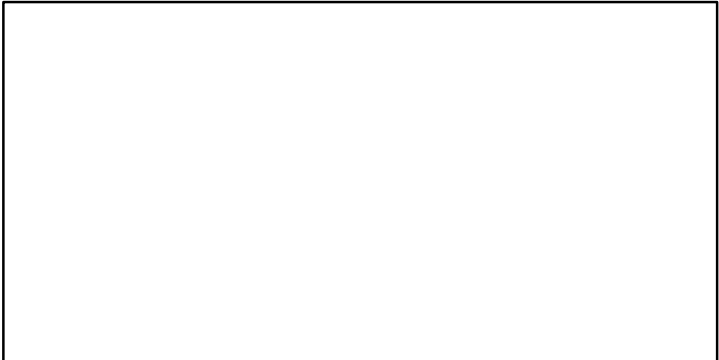
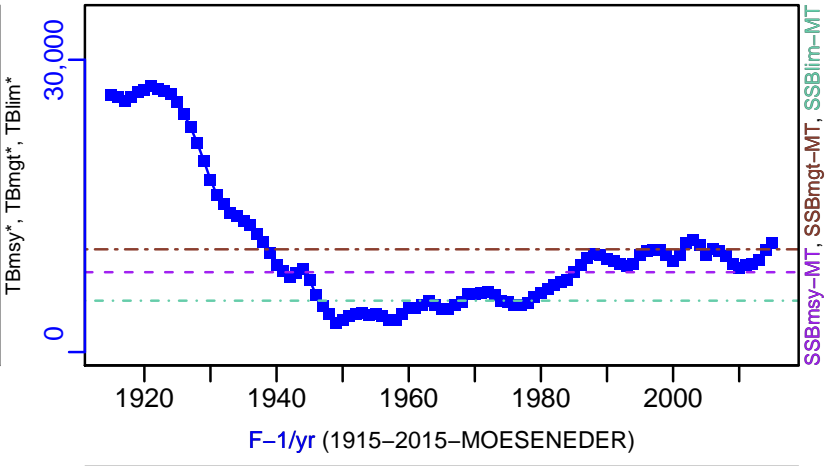
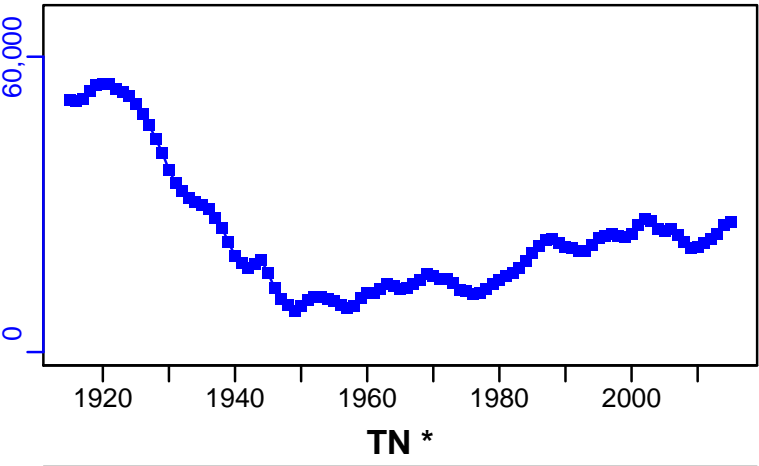


◆ Start Year ◆ End Year * No Data

Tiger flathead Southeast Australia [TIGERFLATSE]

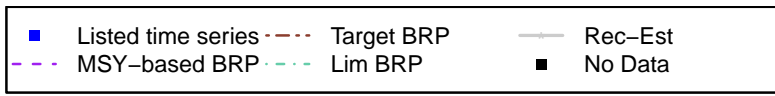
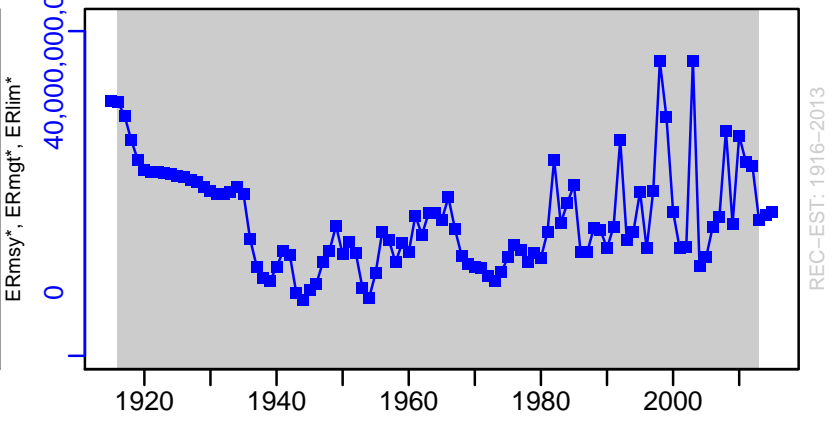
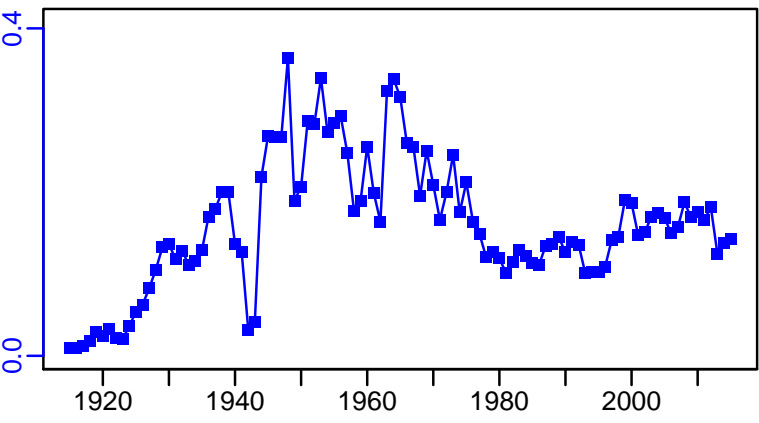
TB-MT (1915-2015-MOESENER)

SSB-MT (1915-2015-MOESENER)



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*

