

shrimps Stocks

v4.66 (Nov-03-2024)

Not present Present Preferred

Stock	Time Series Types			
	B/Bmsy	U/Umsy	B/Bmgt	U/Umgt
1. APSHRIMPSOJ [Alaskan pink shrimp Sea of Japan]	TB SSB	ER F	TB SSB	ER F
2. BRNSHRIMPGM [Brown shrimp Gulf of Mexico]	TB SSB	ER F	TB SSB	ER F
3. BTSHRIMPNAUST [Brown tiger shrimp Northern Australia]	TB SSB	ER F	TB SSB	ER F
4. CSHRIMPCWA [Coastal shrimp Central West Africa]	TB SSB	ER F	TB SSB	ER F
5. DRSHRIMPCWA [Deep water rose shrimp Central West Africa]	TB SSB	ER F	TB SSB	ER F
6. GRSHRIMPEDGSA12-16 [Giant red shrimp Geographical Sub-Areas 12-16]	TB SSB	ER F	TB SSB	ER F
7. GRSHRIMPEDGSA18-19 [Giant red shrimp South Adriatic Sea and West Ionian Sea (GSA 18,19)]	TB SSB	ER F	TB SSB	ER F
8. GRSHRIMPEDGSA9-11 [Giant red shrimp Geographical Sub-Areas 9-11]	TB SSB	ER F	TB SSB	ER F
9. GTPRAWNNAUST [Grooved tiger prawn Northern Australia]	TB SSB	ER F	TB SSB	ER F
10. NSHRIMPCSCH [Nylon shrimp Central-Southern Chile]	TB SSB	ER F	TB SSB	ER F
11. NSHRIMPNCH [Nylon shrimp Northern Chile]	TB SSB	ER F	TB SSB	ER F
12. PANDALGOM [Northern shrimp Gulf of Maine]	TB SSB	ER F	TB SSB	ER F
13. PANDALI-II [Northern shrimp North-East Arctic]	TB SSB	ER F	TB SSB	ER F
14. PANDALIIaW-IVaE [Northern shrimp ICES 3a(west)-4a(east)]	TB SSB	ER F	TB SSB	ER F
15. PANDALIVa [Northern shrimp Northern North Sea]	TB SSB	ER F	TB SSB	ER F
16. PANDALNUNE [Northern shrimp Nunavut/Nunavik East]	TB SSB	ER F	TB SSB	ER F
17. PANDALNUNW [Northern shrimp Nunavut/Nunavik West]	TB SSB	ER F	TB SSB	ER F
18. PANDALSFA10 [Northern shrimp Shrimp Fishing Area 10]	TB SSB	ER F	TB SSB	ER F
19. PANDALSFA12 [Northern shrimp Shrimp Fishing Area 12]	TB SSB	ER F	TB SSB	ER F
20. PANDALSFA13-15 [Northern shrimp Eastern Scotian Shelf (SFA 13-15)]	TB SSB	ER F	TB SSB	ER F
21. PANDALSFA2-3 [Northern shrimp Shrimp Fishing Areas 2-3]	TB SSB	ER F	TB SSB	ER F
22. PANDALSFA4 [Northern shrimp Shrimp Fishing Area 4]	TB SSB	ER F	TB SSB	ER F
23. PANDALSFA5 [Northern shrimp Shrimp Fishing Area 5]	TB SSB	ER F	TB SSB	ER F
24. PANDALSFA6 [Northern shrimp Shrimp Fishing Area 6]	TB SSB	ER F	TB SSB	ER F
25. PANDALSFA8 [Northern shrimp Shrimp Fishing Area 8]	TB SSB	ER F	TB SSB	ER F
26. PANDALSFA9 [Northern shrimp Shrimp Fishing Area 9]	TB SSB	ER F	TB SSB	ER F
27. PANDALSMA14 [Ocean shrimp Shrimp Management Area 14]	TB SSB	ER F	TB SSB	ER F
28. PANDALSMA16 [Ocean shrimp Shrimp Management Area 16]	TB SSB	ER F	TB SSB	ER F
29. PANDALSMA18-19 [Ocean shrimp Shrimp Management Areas 18 and 19]	TB SSB	ER F	TB SSB	ER F
30. PANDALSMAFR [Ocean shrimp Shrimp Management Area FR]	TB SSB	ER F	TB SSB	ER F
31. PANDALSMAGTSE [Ocean shrimp Shrimp Management Area GTSE]	TB SSB	ER F	TB SSB	ER F
32. PANDALSMAPRD [Ocean shrimp Shrimp Management Area PRD]	TB SSB	ER F	TB SSB	ER F
33. PINKSHRIMPGM [Pink shrimp Gulf of Mexico]	TB SSB	ER F	TB SSB	ER F

34. PSHRMPMEDGSA6 [Deep water rose shrimp Northern Spain]	TB SSB	ER F	TB SSB	ER F
35. RDSHRMPMEDGSA1 [Red shrimp Northern Alboran Sea]	TB SSB	ER F	TB SSB	ER F
36. RDSHRMPMEDGSA15-16 [Red shrimp Malta Island and South of Sicily (GSA 15, 16)]	TB SSB	ER F	TB SSB	ER F
37. RDSHRMPMEDGSA6-7 [Red shrimp Geographical Sub-Areas 6-7]	TB SSB	ER F	TB SSB	ER F
38. RDSHRMPMEDGSA9-11 [Red shrimp Geographical Sub-Areas 9-11]	TB SSB	ER F	TB SSB	ER F
39. RRSHRIMPGM [Royal red shrimp Gulf of Mexico]	TB SSB	ER F	TB SSB	ER F
40. RSHRMPMEDGSA1 [Deep water rose shrimp Northern Alboran Sea]	TB SSB	ER F	TB SSB	ER F
41. RSHRMPMEDGSA12-16 [Deep water rose shrimp Geographical Sub-Areas 12-16]	TB SSB	ER F	TB SSB	ER F
42. RSHRMPMEDGSA17-19 [Deep water rose shrimp Geographical Sub-Areas 17-19]	TB SSB	ER F	TB SSB	ER F
43. RSHRMPMEDGSA22-23 [Deep water rose shrimp Aegean Sea and Crete Island (GSA 22,23)]	TB SSB	ER F	TB SSB	ER F
44. RSHRMPMEDGSA5 [Deep water rose shrimp Balearic Island]	TB SSB	ER F	TB SSB	ER F
45. RSHRMPMEDGSA9-11 [Deep water rose shrimp Geographical Sub-Areas 9-11]	TB SSB	ER F	TB SSB	ER F
46. SHAKOIMKB [Shako lse and Mikawa Bay]	TB SSB	ER F	TB SSB	ER F
47. SMSHRMPMEDGSA10 [Spottail mantis shrimp South Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
48. SMSHRMPMEDGSA17-18 [Spottail mantis shrimp Adriatic Sea (GSA 17,18)]	TB SSB	ER F	TB SSB	ER F
49. SMSHRMPMEDGSA9 [Spottail mantis shrimp Ligurian and North Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
50. SPSHRIMPCWA [Southern pink shrimp Central West Africa]	TB SSB	ER F	TB SSB	ER F
51. SPSHRIMPNWAMRT [Southern pink shrimp North West Africa Mauritania]	TB SSB	ER F	TB SSB	ER F
52. SPSHRIMPNWASEN.GMB [Southern pink shrimp North West Africa Senegal_The Gambia]	TB SSB	ER F	TB SSB	ER F
53. SSHRIMPSMAGTSE [Sidesripe shrimp Shrimp Management Area GTSE]	TB SSB	ER F	TB SSB	ER F
54. SSHRIMPSMAPRD [Sidesripe shrimp Shrimp Management Area PRD]	TB SSB	ER F	TB SSB	ER F
55. SSSHIMPMSMA14 [Sidesripe shrimp Shrimp Management Area 14]	TB SSB	ER F	TB SSB	ER F
56. SSSHIMPMSMA16 [Sidesripe shrimp Shrimp Management Area 16]	TB SSB	ER F	TB SSB	ER F
57. SSSHIMPMSMA18-19 [Sidesripe shrimp Shrimp Management Areas 18 and 19]	TB SSB	ER F	TB SSB	ER F
58. SSSHIMPMSMAFR [Sidesripe shrimp Shrimp Management Area FR]	TB SSB	ER F	TB SSB	ER F
59. STRSHRIMPNUNE [Aesop shrimp Nunavut/Nunavik East]	TB SSB	ER F	TB SSB	ER F
60. STRSHRIMPNUNW [Aesop shrimp Nunavut/Nunavik West]	TB SSB	ER F	TB SSB	ER F
61. STRSHRIMPSFA4 [Aesop shrimp Shrimp Fishing Area 4]	TB SSB	ER F	TB SSB	ER F
62. WSHRIMPGM [White shrimp Gulf of Mexico]	TB SSB	ER F	TB SSB	ER F

Alaskan pink shrimp Sea of Japan [APSHRIMPSOJ]

Metadata	
Scientific Name	Pandalus eous
Current Assess ID	FAFRFJ-APSHRIMPSOJ-1985-2013-JPNIMP2016
Area	Sea of Japan
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	1730		
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

Alaskan pink shrimp Sea of Japan [APSHRIMPSOJ]

TB*



SSB*



TN *



F*



ER*



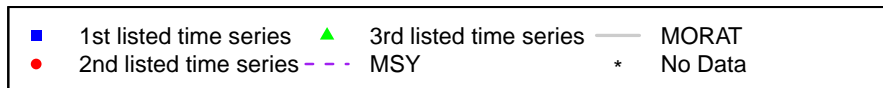
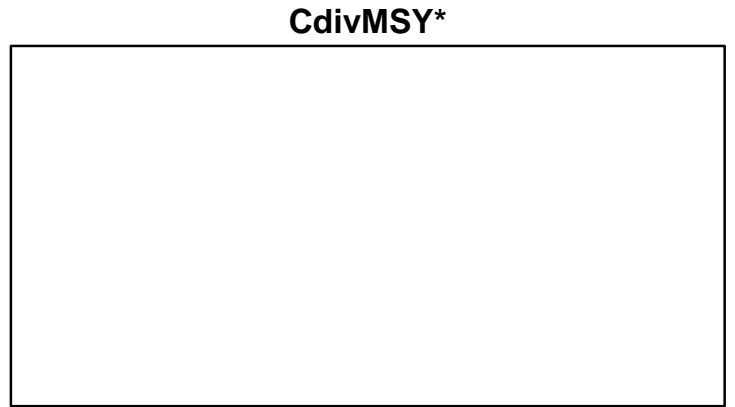
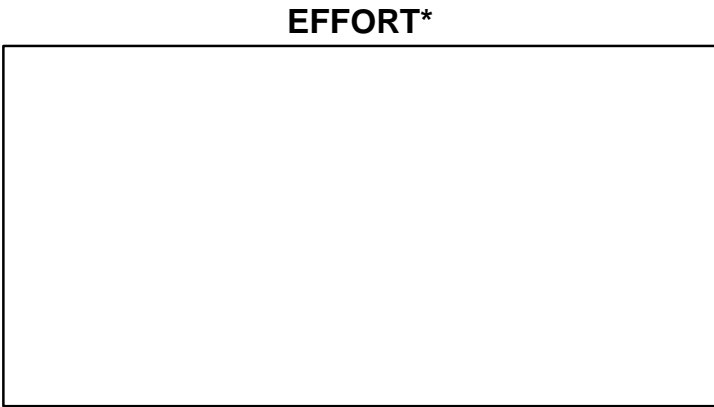
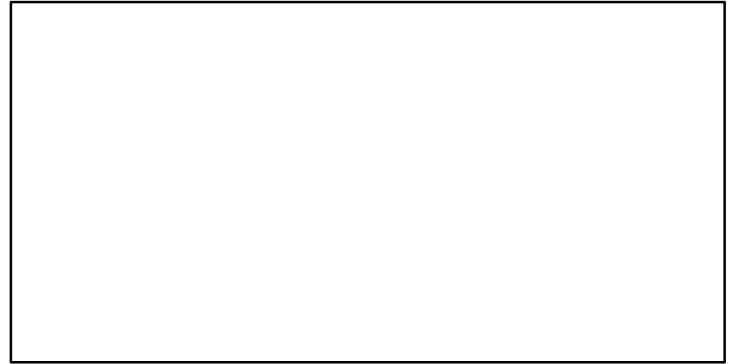
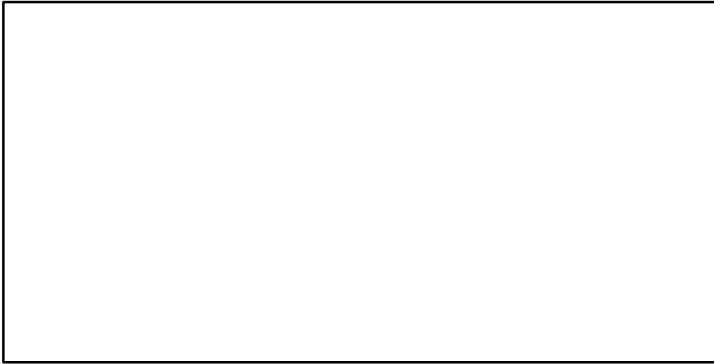
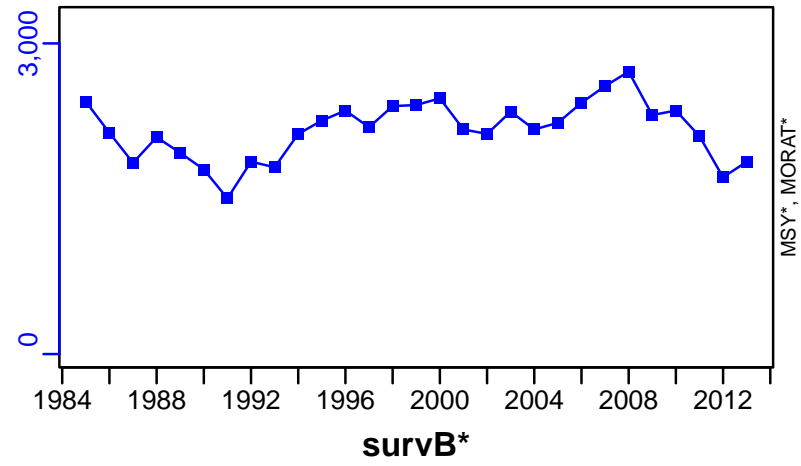
Recruits*



Alaskan pink shrimp Sea of Japan [APSHRIMPSOJ]

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

TAC*, Cpair*, Cadv*



Brown shrimp Gulf of Mexico [BRNSHRIMPGM]

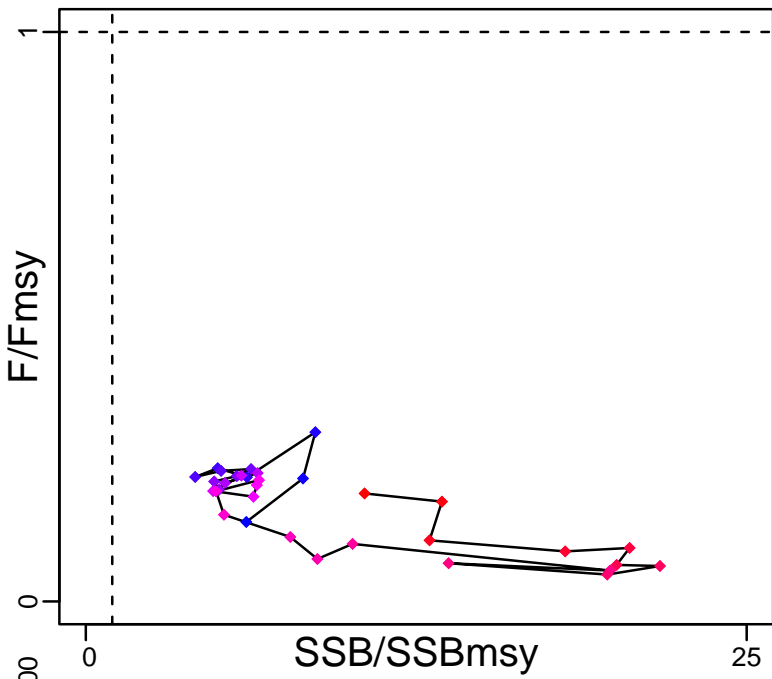
Metadata	
Scientific Name	Farfantepenaeus aztecus
Current Assess ID	SEFSC-BRNSHRIMPGM-1984-2017-SISIMP2021
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2011, 2014, 2015, 2016, 2017

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2017	2767
Fmsy	Fmsy-1/yr	2017	9.12
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2017	2767
Flim	-	-	-
ERlim	-	-	-

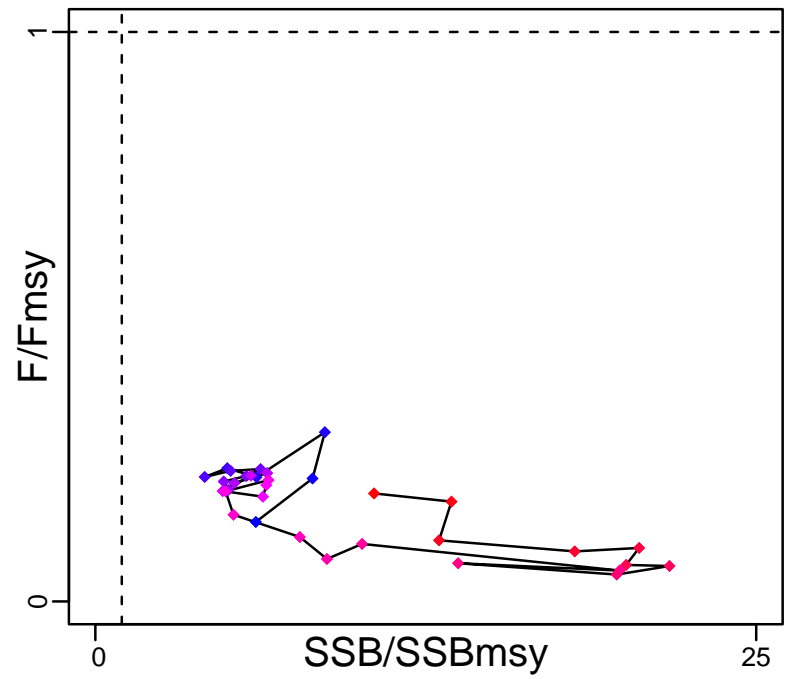
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2017	12,174	-	-
TN	-	-	-	-	-
R	R-E00	2017	27,770,500,000	-	-
F	F-1/yr	2017	1.73	-	-
ER	ER-ratio	2011	0.147	-	-
TC	TC-MT	2017	28,631		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2017	4.4		
F/Fmsy	F-1/yr/Fmsy-1/yr	2017	0.19		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Brown shrimp Gulf of Mexico [BRNSHRIMPGM]

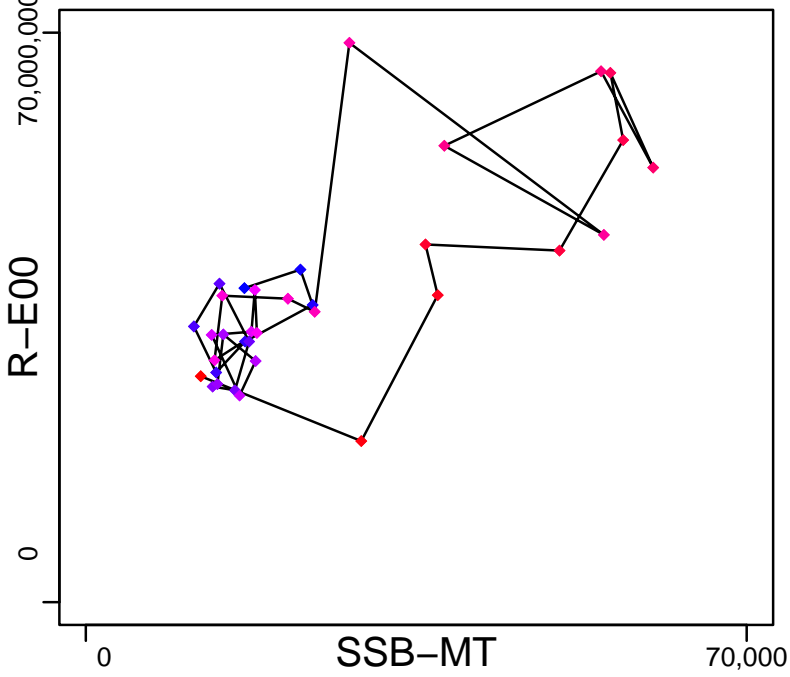
Kobe MSYpref (1984–2017–SISIMP2021)



Kobe MGTpref (1984–2017–SISIMP2021)



Spawner Recruit (1984–2017–SISIMP2021)



Production*



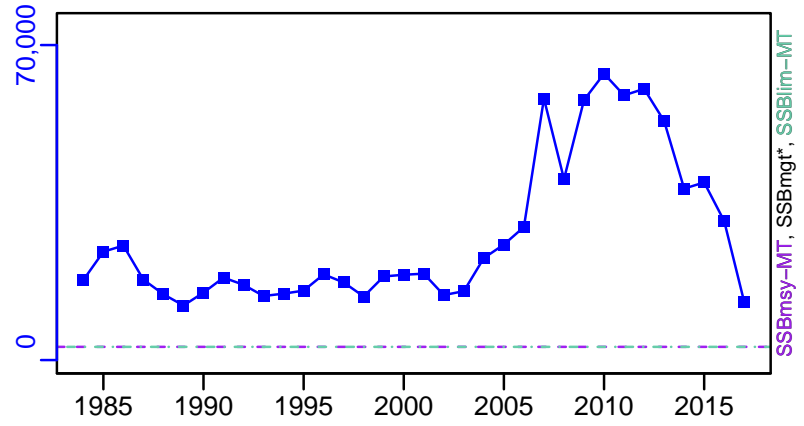
◆ Start Year ◆ End Year * No Data

Brown shrimp Gulf of Mexico [BRNSHRIMPGM]

TB*



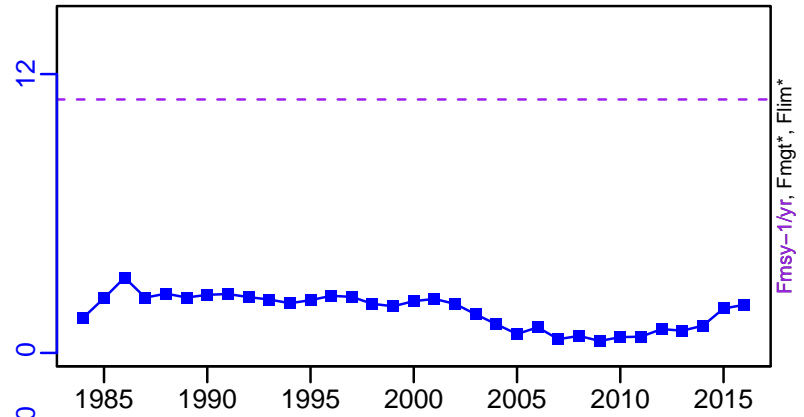
SSB-MT (1984–2017–SISIMP2021)



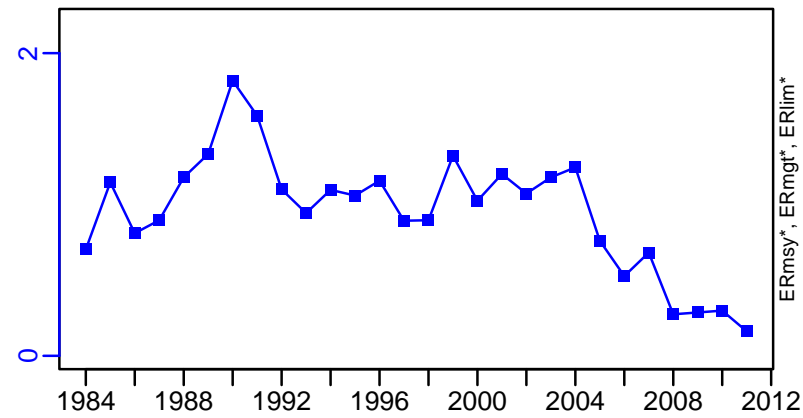
TN *



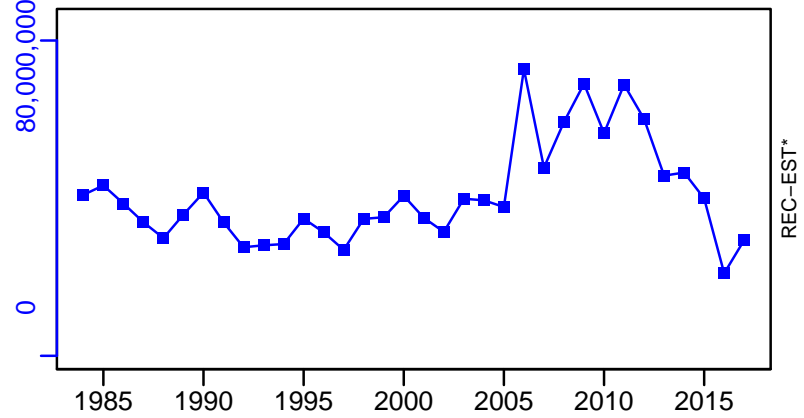
F-1/yr (1984–2017–SISIMP2021)



ER-ratio (1984–2011–HIVELY)

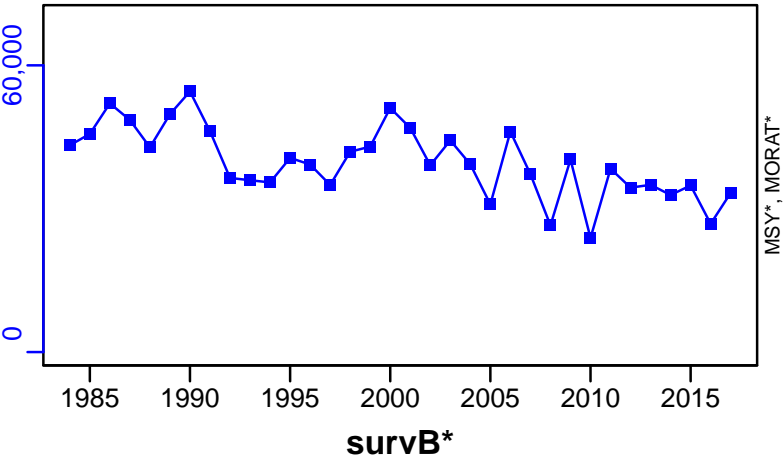


R-E00 (1984–2017–SISIMP2021)



Brown shrimp Gulf of Mexico [BRNSHRIMPGM]

TC-MT, TL*, RecC* (1984-2017-SISIMP2021)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



CdivMSY*



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]

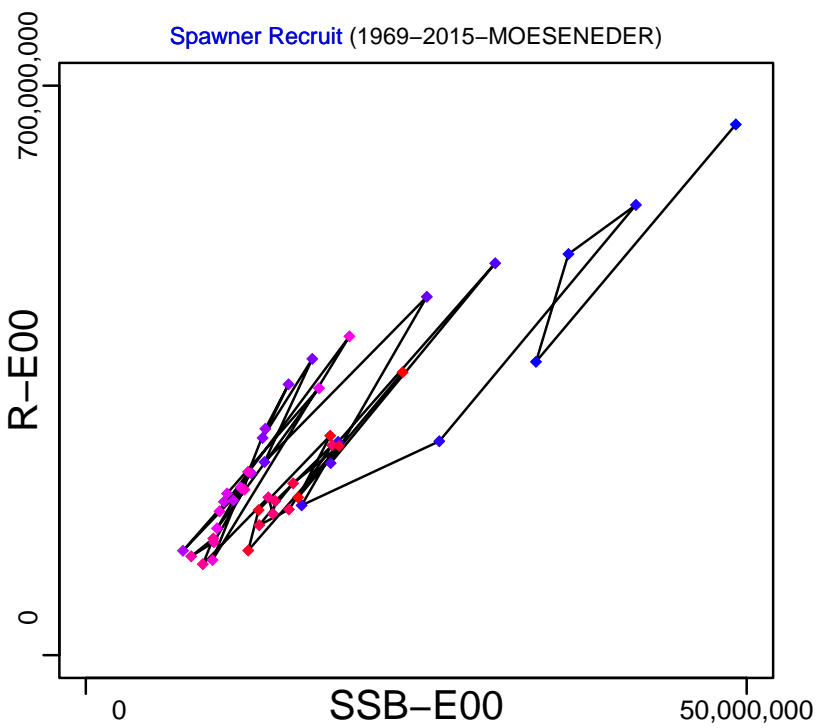
Kobe MSY*



Kobe MGT*



Spawner Recruit (1969–2015–MOESENEDER)



Production*



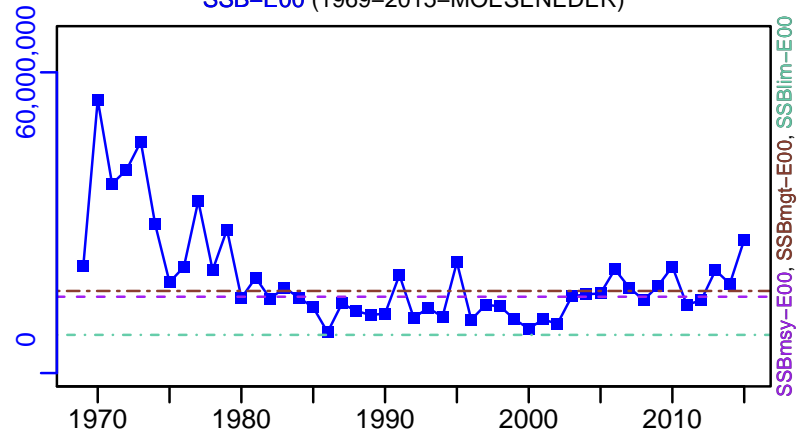
◆ Start Year ◆ End Year * No Data

Brown tiger shrimp Northern Australia [BTSHRIMPNAUST]

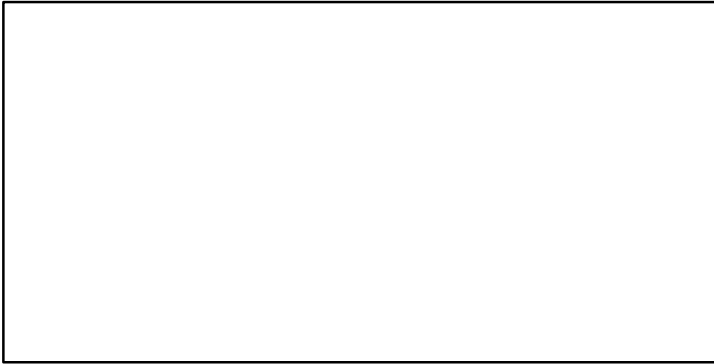
TB*



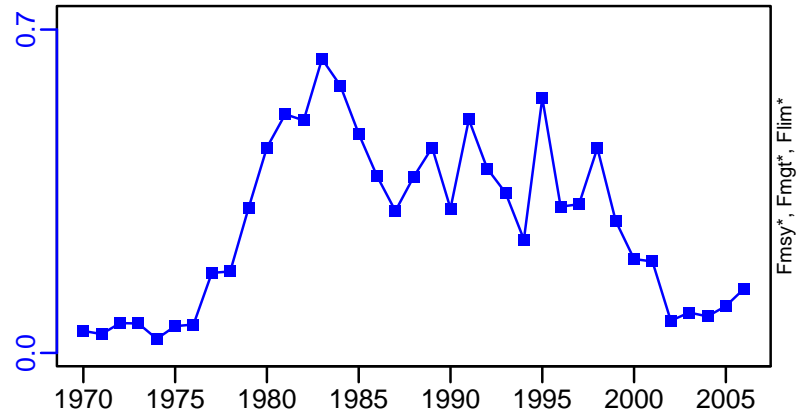
SSB-E00 (1969-2015-MOESENER)



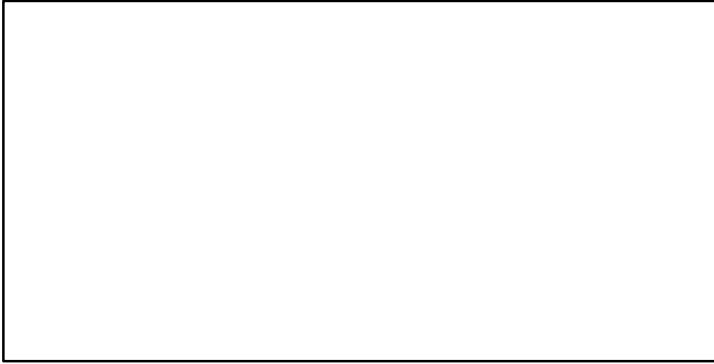
TN *



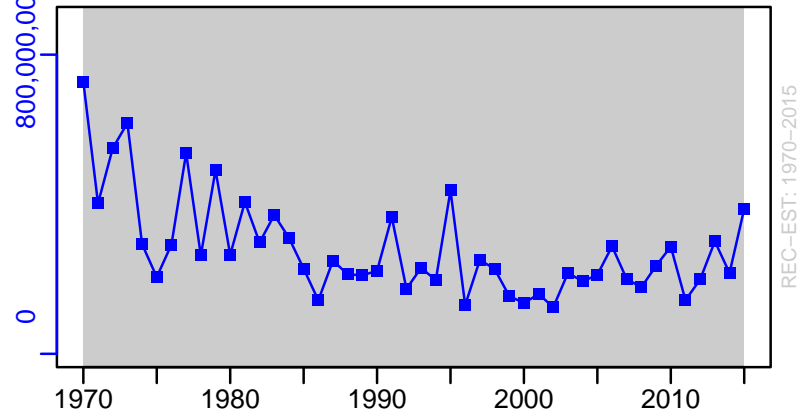
F-1/yr (1970-2006-FULTON)



ER*



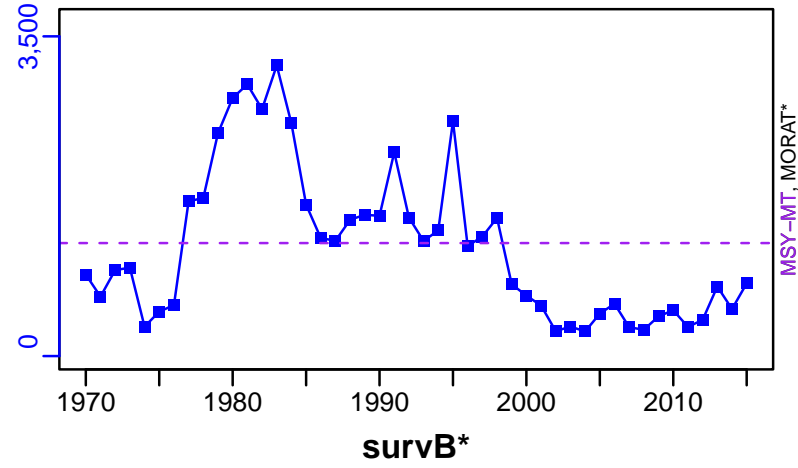
R-E00 (1969-2015-MOESENER)



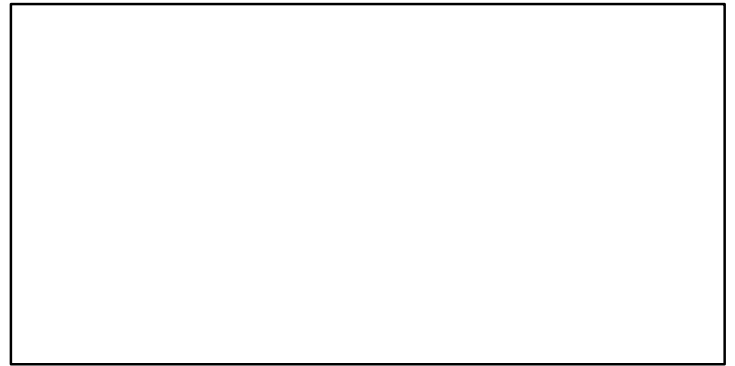
Brown tiger shrimp Northern Australia [BTSHRIMPNAUST]

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

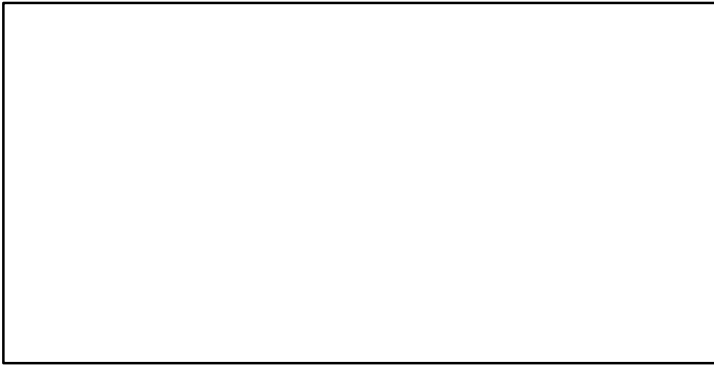
TAC*, Cpair*, Cadv*



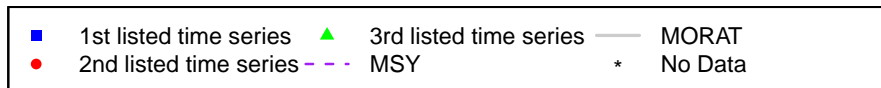
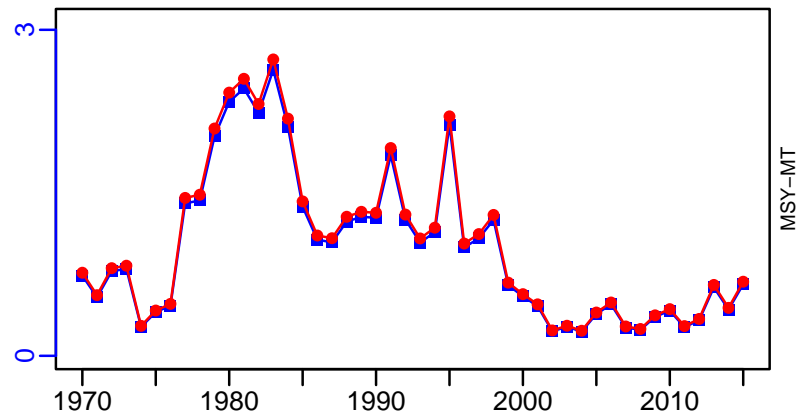
CPUE*



EFFORT*



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



Coastal shrimp Central West Africa [CSHRIMPCWA]

Metadata	
Scientific Name	Penaeus spp
Current Assess ID	FAO-DR-CSHRIMPCWA-1990-2007-CHING
Area	Central West Africa
Management Authority	Food and Agriculture Organization of the United Nations
Assessor	FAO/CECAF Working Group on the Assessment of Demersal Resources
Asmts in RAM	2007

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	2007	6580		
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

TB*



SSB*



TN *



F*



ER*



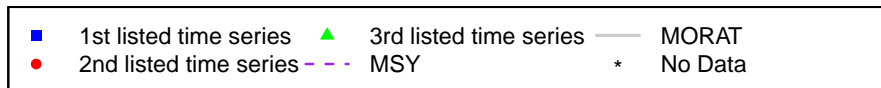
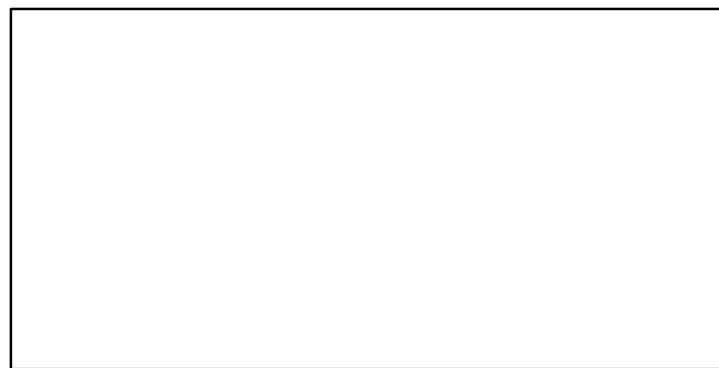
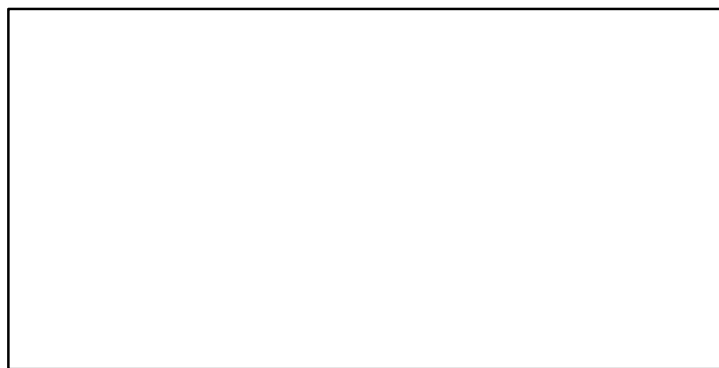
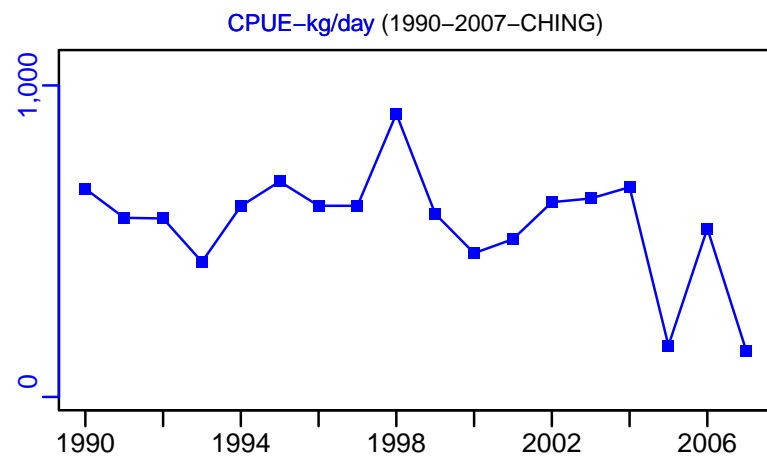
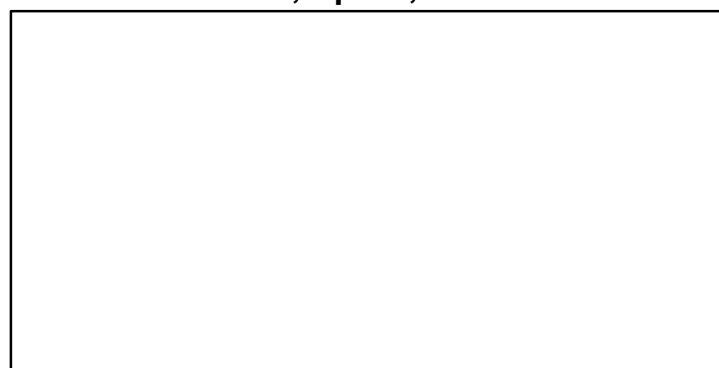
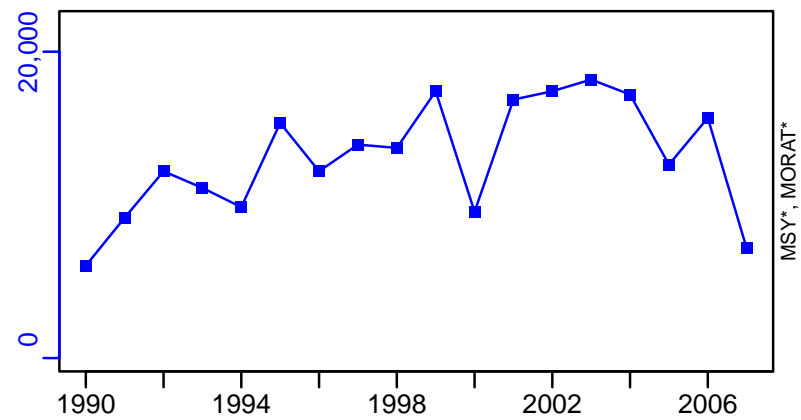
Recruits*



Coastal shrimp Central West Africa [CSHRIMPCWA]

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

TAC*, Cpair*, Cadv*



Deep water rose shrimp Central West Africa [DRSHRIMPCWA]

Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	FAO-DR-DRSHRIMPCWA-1990-2007-CHING
Area	Central West Africa
Management Authority	Food and Agriculture Organization of the United Nations
Assessor	FAO/CECAF Working Group on the Assessment of Demersal Resources
Asmts in RAM	2007

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	2007	1320		
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

TB*



SSB*



TN *



F*



ER*



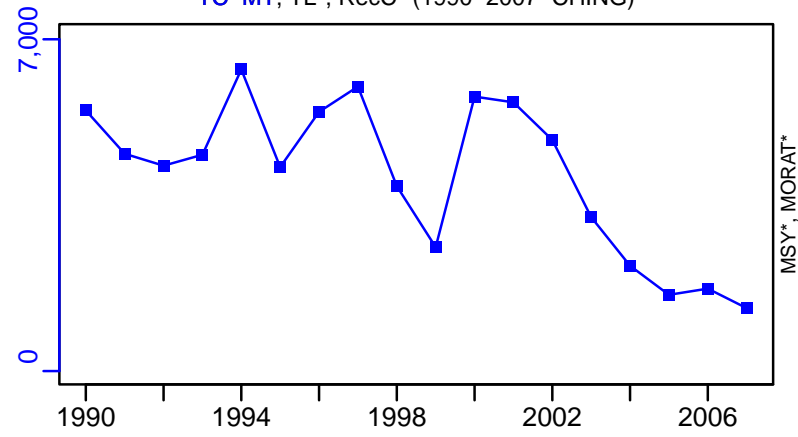
Recruits*



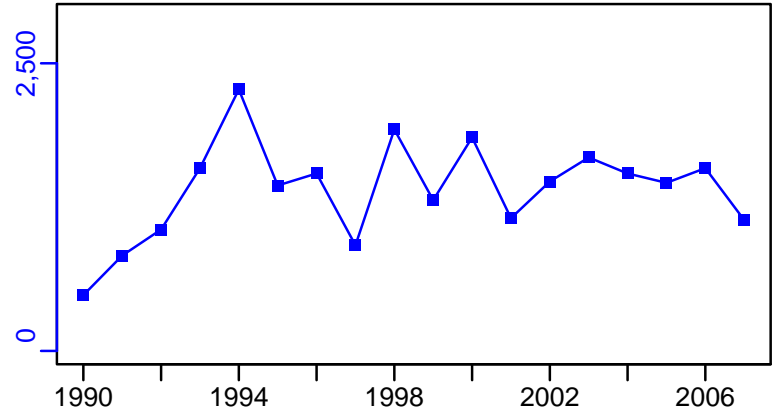
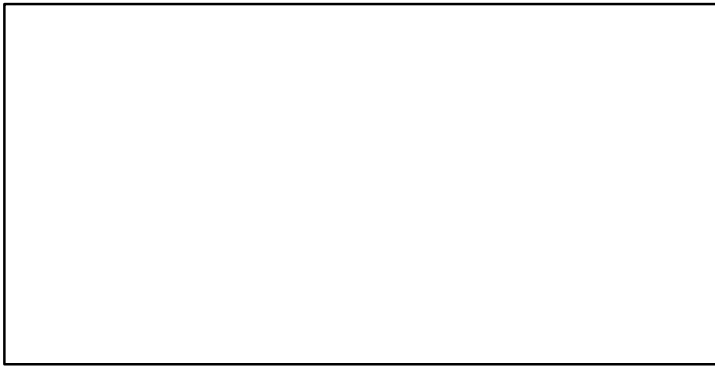
Deep water rose shrimp Central West Africa [DRSHRIMPCWA]

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

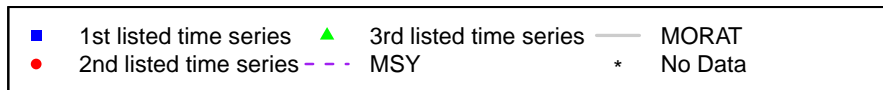
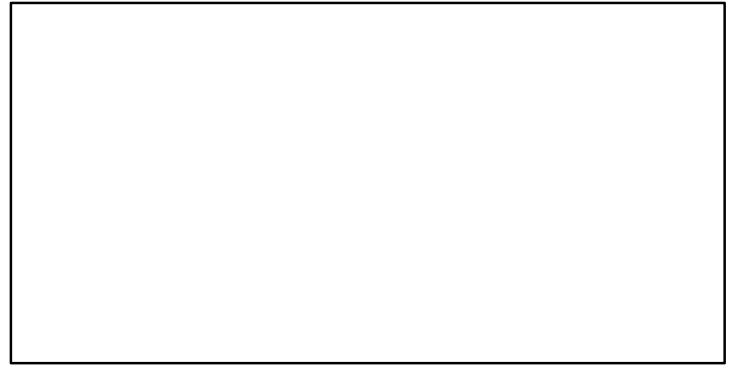
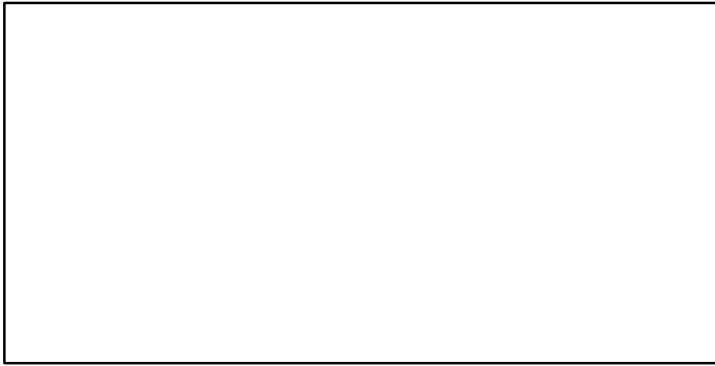
TAC*, Cpair*, Cadv*



CPUE-kg/day (1990-2007-CHING)



EFFORT*



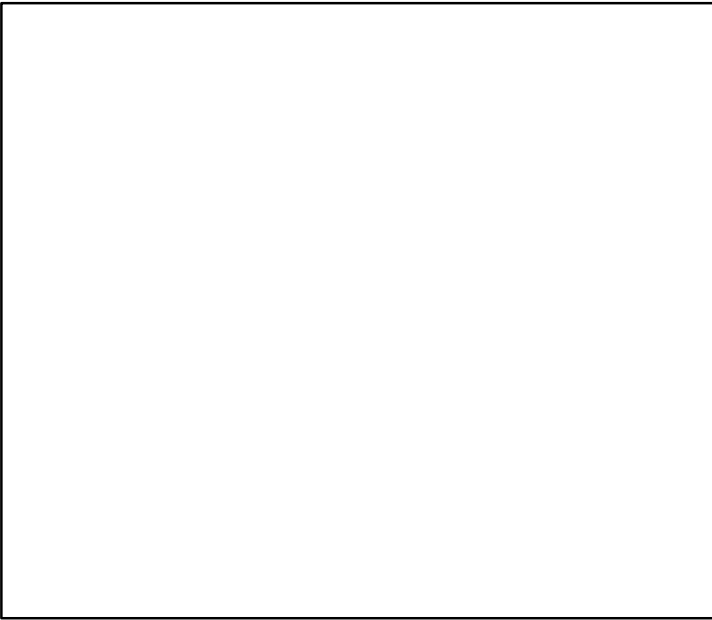
Giant red shrimp Geographical Sub-Areas 12-16 [GRSHRIMPEDGSA12-16]

Metadata	
Scientific Name	Aristaeomorpha foliacea
Current Assess ID	STECF-GRSHRIMPEDGSA12-16-2005-2011-OSIO
Area	Geographical Sub-Areas 12-16
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2011	1250	-	1+
TN	-	-	-	-	-
R	R-E00	2011	84,400,000	-	-
F	F-1/yr	2011	1.67	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	1590		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	5.567		
ER/ERmgt	-	-	-		

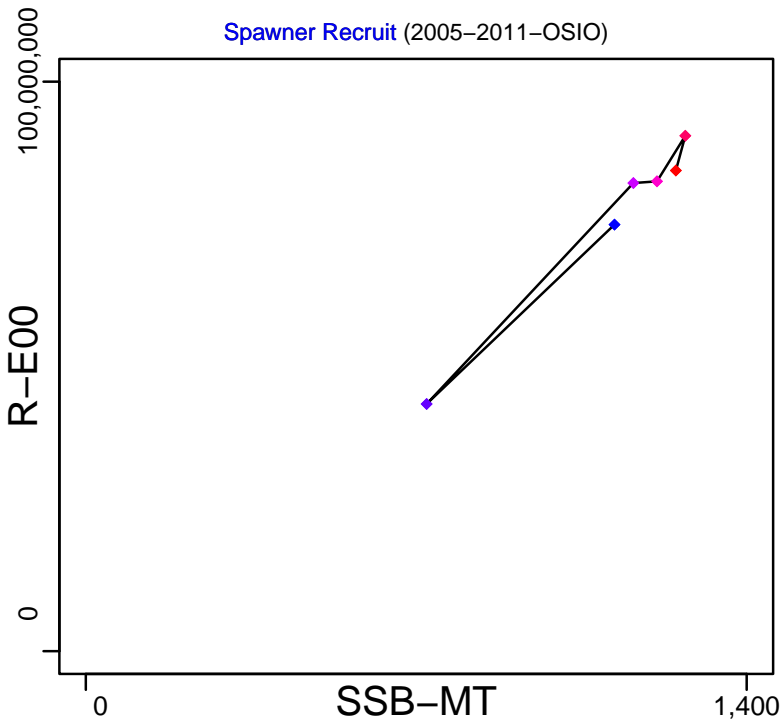
Kobe MSY*



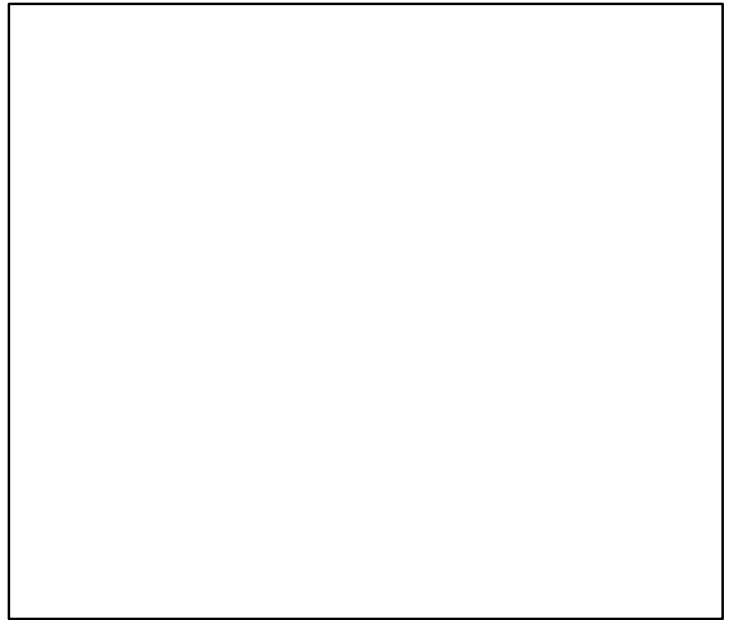
Kobe MGT*



Spawner Recruit (2005–2011–OSIO)



Production*



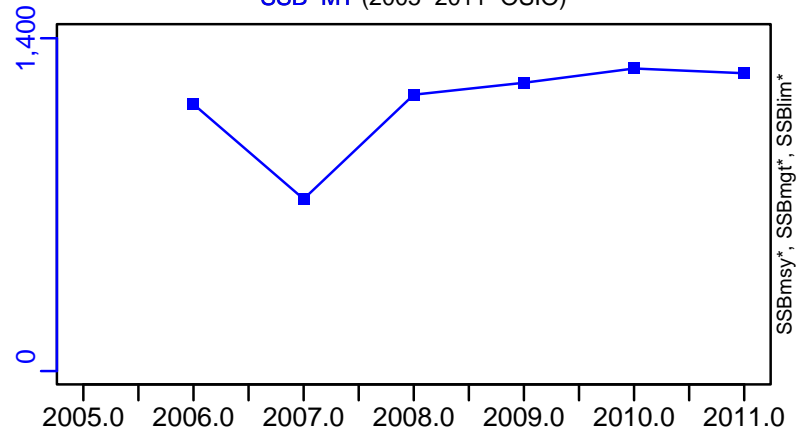
◆ Start Year ◆ End Year * No Data

Giant red shrimp Geographical Sub-Areas 12–16 [GRSHRIMPEDGSA12–16]

TB*



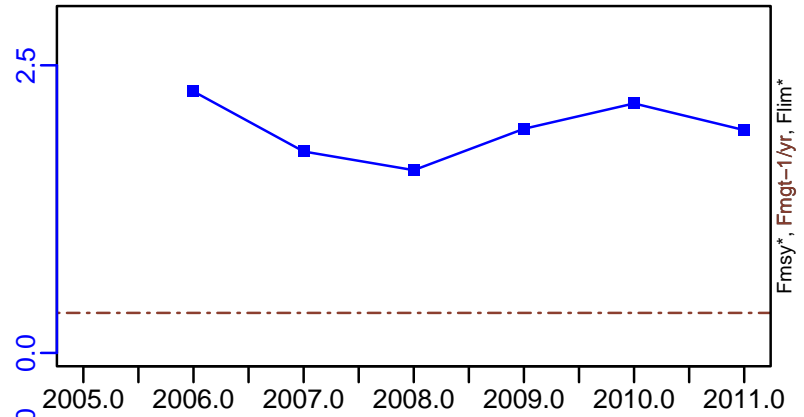
SSB-MT (2005–2011–OSIO)



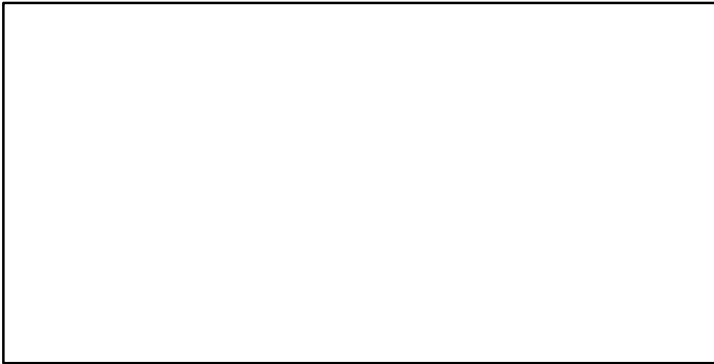
TN *



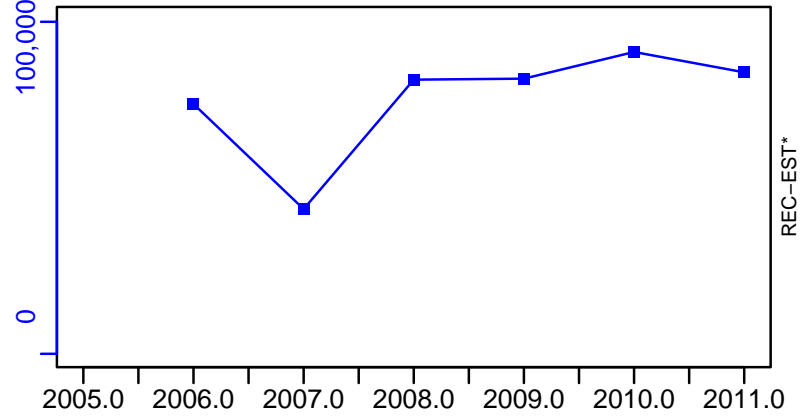
F-1/yr (2005–2011–OSIO)



ER*

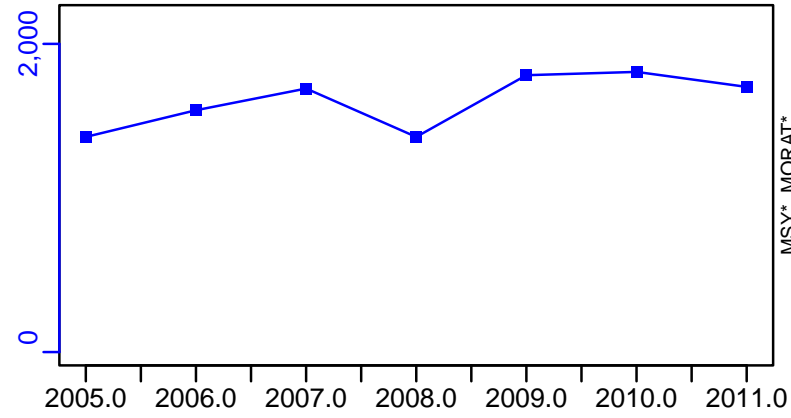


R-E00 (2005–2011–OSIO)



Giant red shrimp Geographical Sub-Areas 12–16 [GRSHRIMPEDGSA12–16]

TC–MT, TL*, RecC* (2005–2011–OSIO)



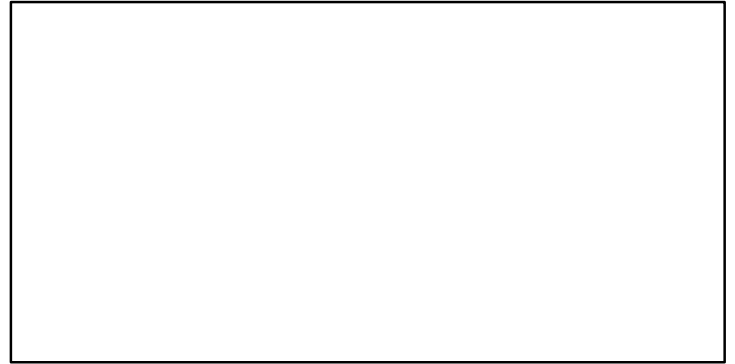
TAC*, Cpair*, Cadv*



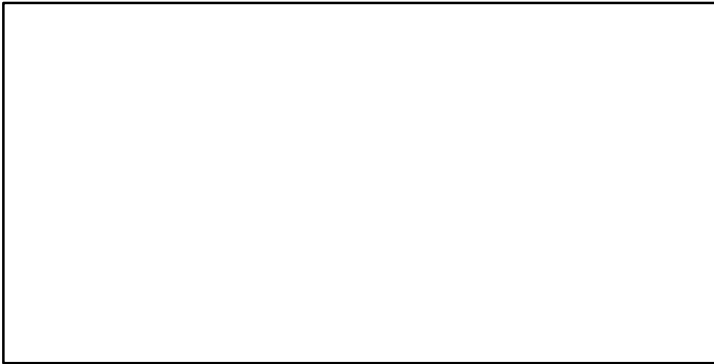
survB*



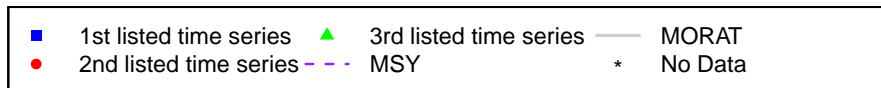
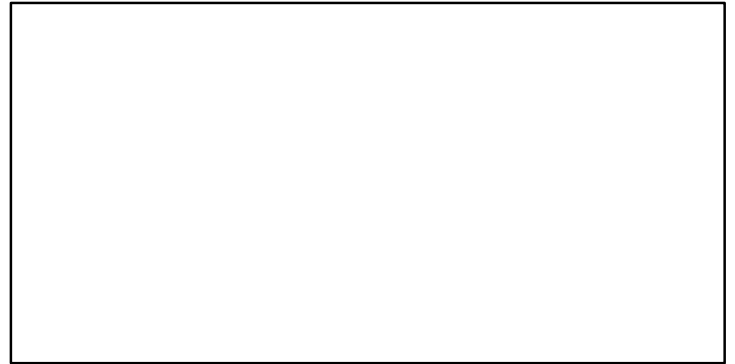
CPUE*



EFFORT*



CdivMSY*



**Giant red shrimp South Adriatic Sea and West Ionian Sea (GSA 18,19)
[GRSHRIMPEDGSA18-19]**

Metadata	
Scientific Name	Aristaeomorpha foliacea
Current Assess ID	STECF-GRSHRIMPEDGSA18-19-2008-2014-OSIO
Area	South Adriatic Sea and West Ionian Sea (GSA 18,19)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.42
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	525	-	1+
TN	-	-	-	-	-
R	R-E00	2014	30,200,000	-	-
F	F-1/yr	2014	0.463	-	-
ER	-	-	-	-	-
TC	TC-MT	2014	328		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.102		
ER/ERmgt	-	-	-		

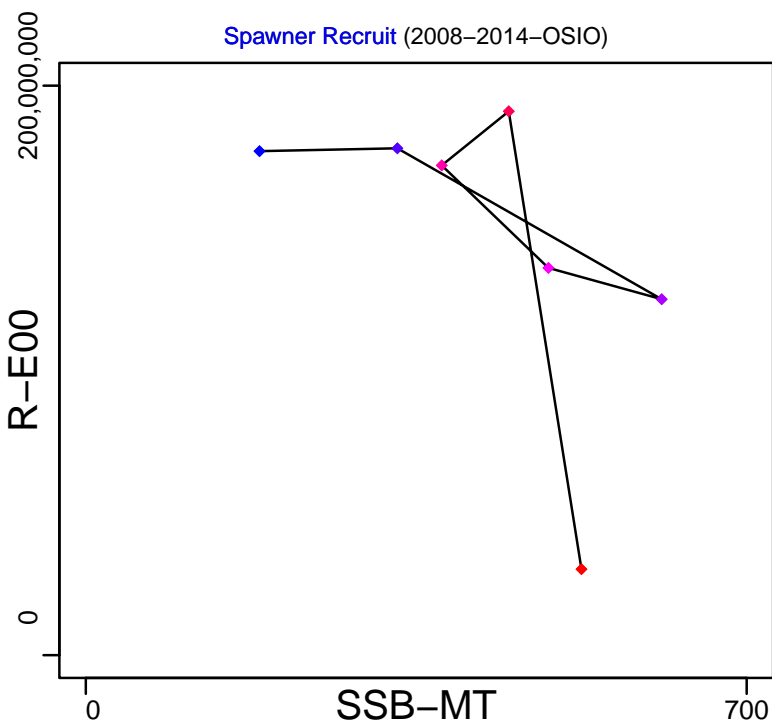
Kobe MSY*



Kobe MGT*



Spawner Recruit (2008-2014-OSIO)



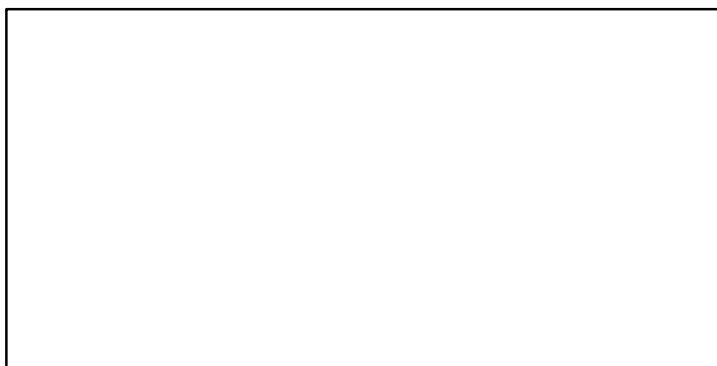
Production*



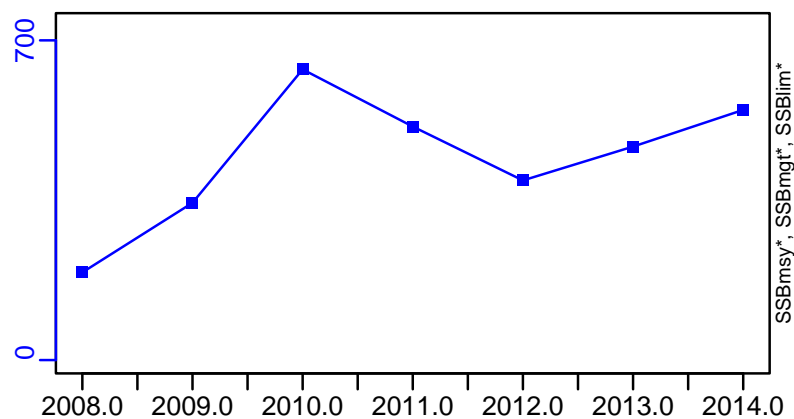
◆ Start Year ◆ End Year * No Data

Giant red shrimp South Adriatic Sea and West Ionian Sea (GSA 18,19) [GRSHRIMPEDGSA18-19]

TB*



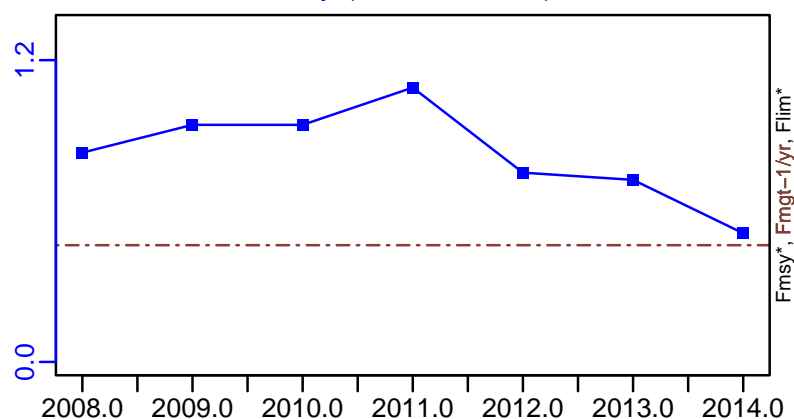
SSB-MT (2008-2014-OSIO)



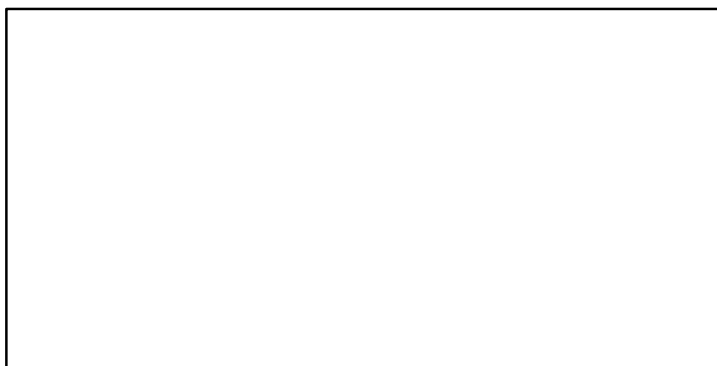
TN *



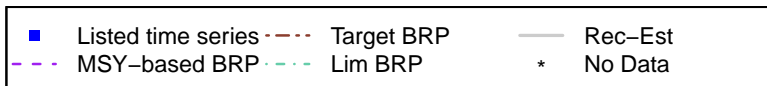
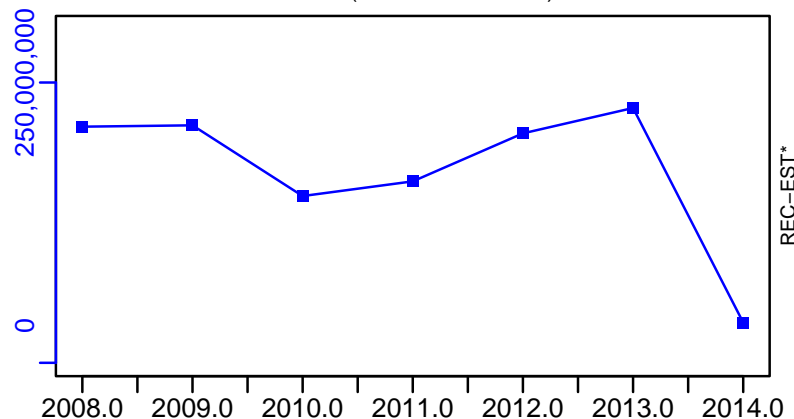
F-1/yr (2008-2014-OSIO)



ER*



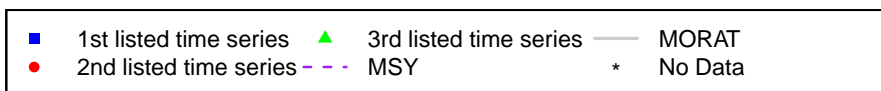
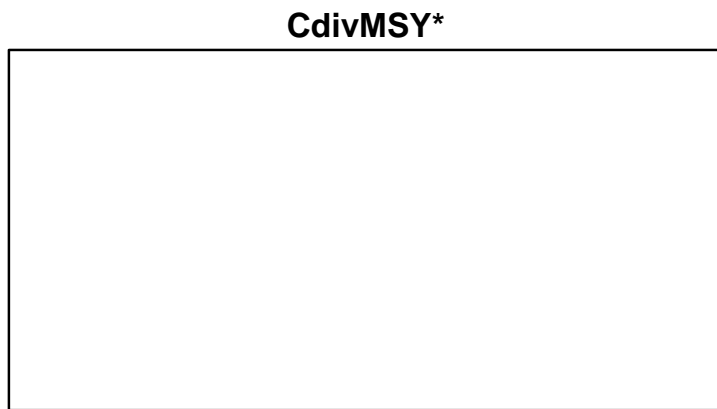
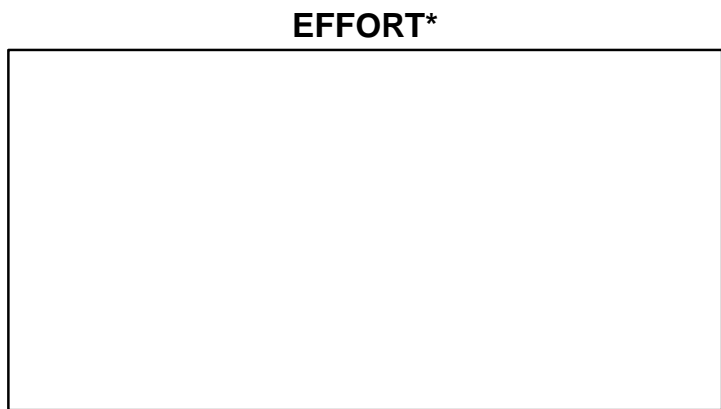
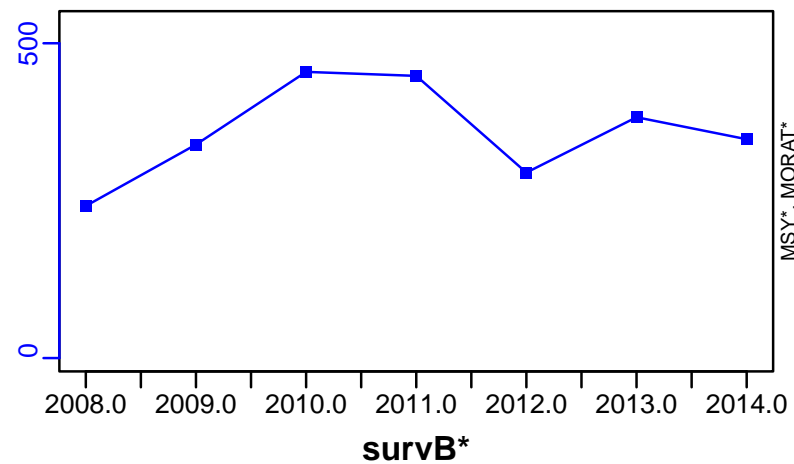
R-E00 (2008-2014-OSIO)



Giant red shrimp South Adriatic Sea and West Ionian Sea (GSA 18,19) [GRSHRIMPEDGSA18–19]

TC–MT, TL*, RecC* (2008–2014–OSIO)

TAC*, Cpair*, Cadv*



Giant red shrimp Geographical Sub-Areas 9-11 [GRSHRIMPEDGSA9-11]

Metadata	
Scientific Name	Aristaeomorpha foliacea
Current Assess ID	STECF-GRSHRIMPEDGSA9-11-2005-2019-MEDIMP2021-2
Area	Geographical Sub-Areas 9-11
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.476
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	716	-	-
TN	-	-	-	-	-
R	R-E00	2019	279,817,380	-	-
F	F-1/yr	2019	0.734	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	571		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	1.541		
ER/ERmgt	-	-	-		

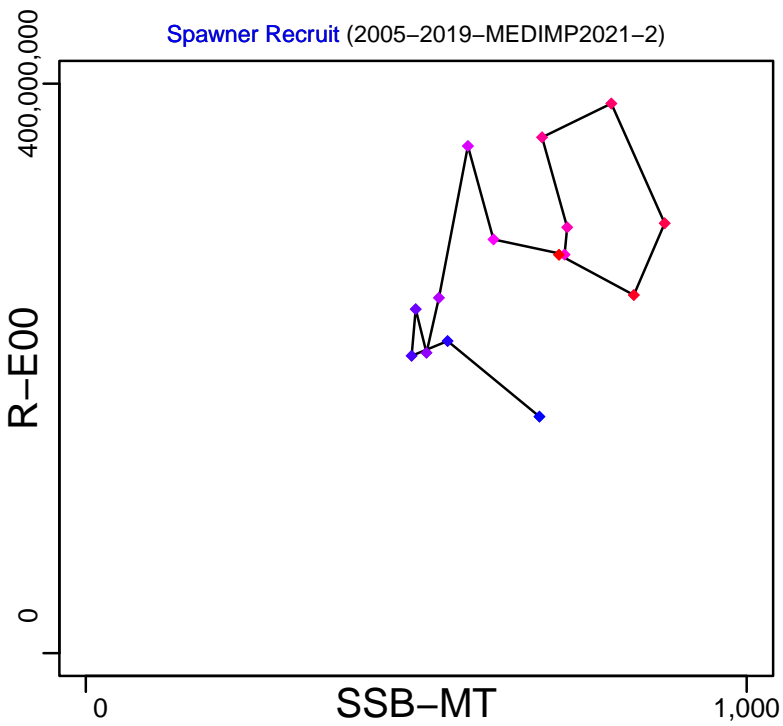
Kobe MSY*



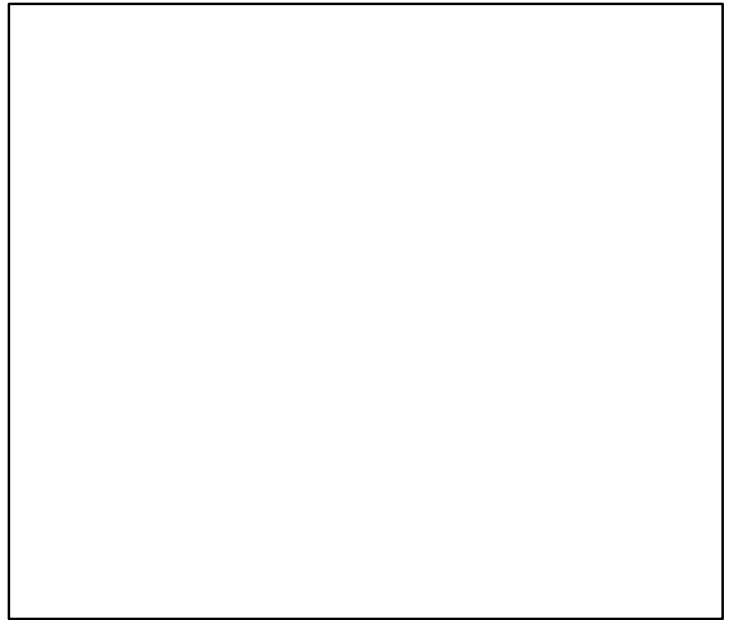
Kobe MGT*



Spawner Recruit (2005–2019–MEDIMP2021–2)



Production*



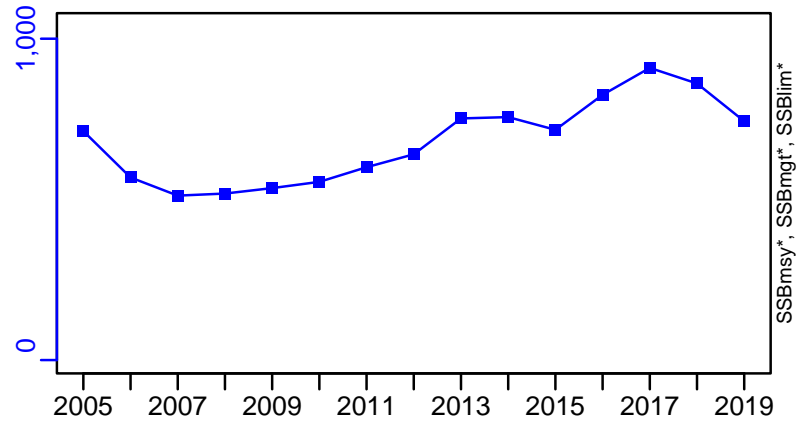
◆ Start Year ◆ End Year * No Data

Giant red shrimp Geographical Sub-Areas 9–11 [GRSHRIMPEDGSA9–11]

TB*



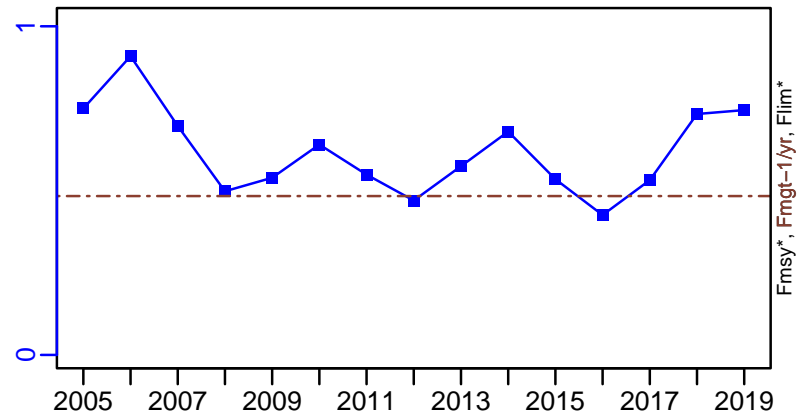
SSB-MT (2005–2019–MEDIMP2021–2)



TN *



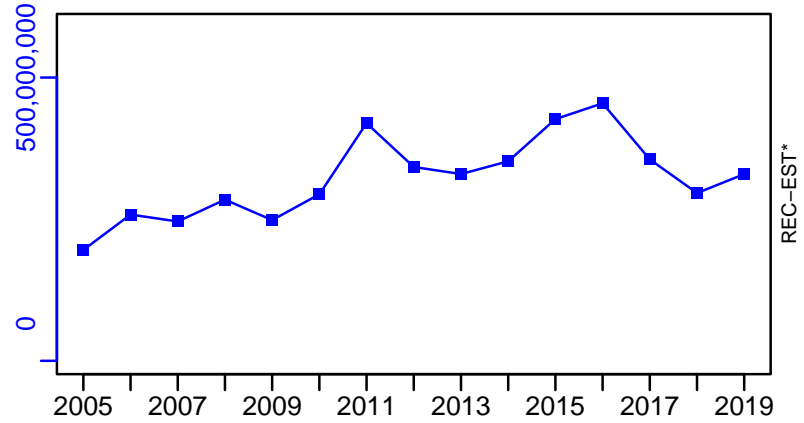
F-1/yr (2005–2019–MEDIMP2021–2)



ER*

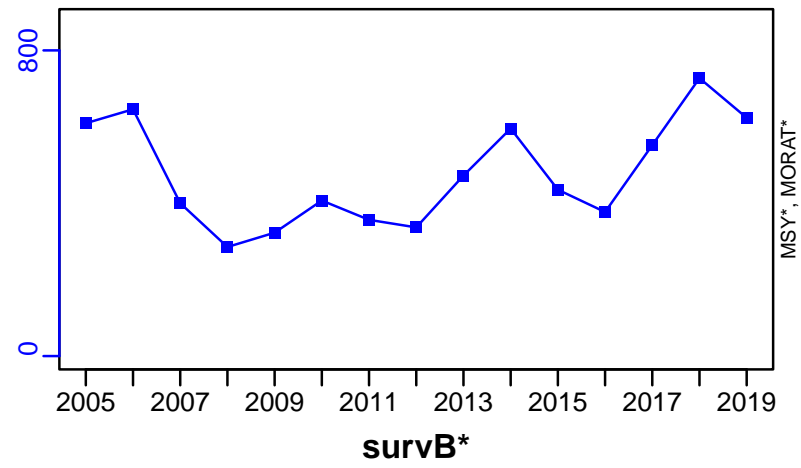


R-E00 (2005–2019–MEDIMP2021–2)



Giant red shrimp Geographical Sub-Areas 9–11 [GRSHRIMPEDGSA9–11]

TC–MT, TL*, RecC* (2005–2019–MEDIMP2021–2)



TAC*, Cpair*, Cadv*



survB*



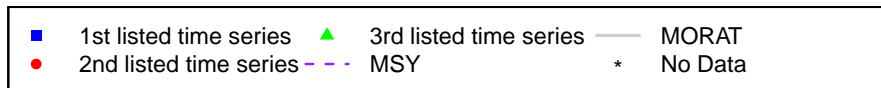
CPUE*



EFFORT*



CdivMSY*



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	-	-	-	-	-

Grooved tiger prawn Northern Australia [GTPRAWNNAUST]

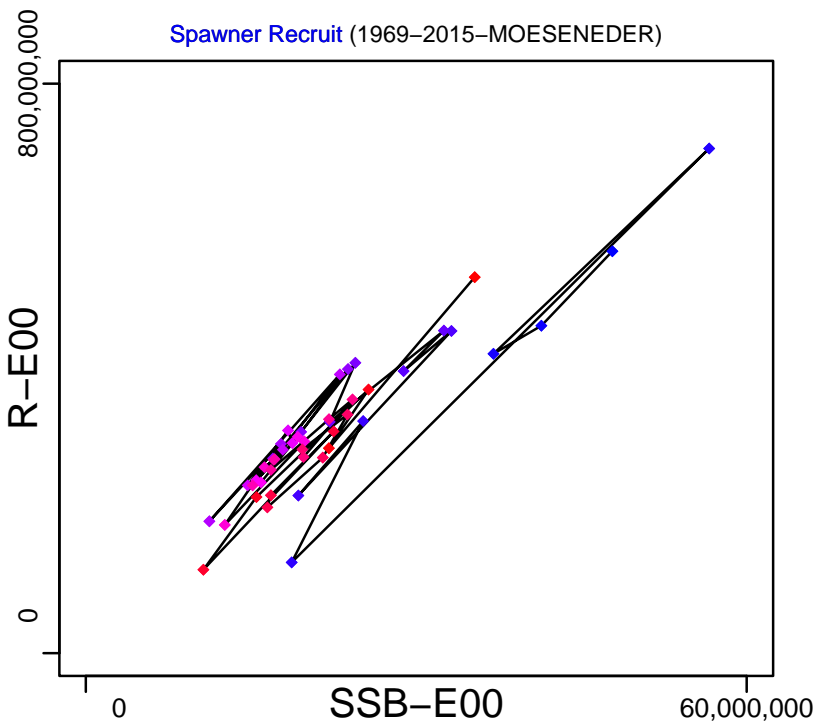
Kobe MSY*



Kobe MGT*



Spawner Recruit (1969–2015–MOESENEDER)



Production*



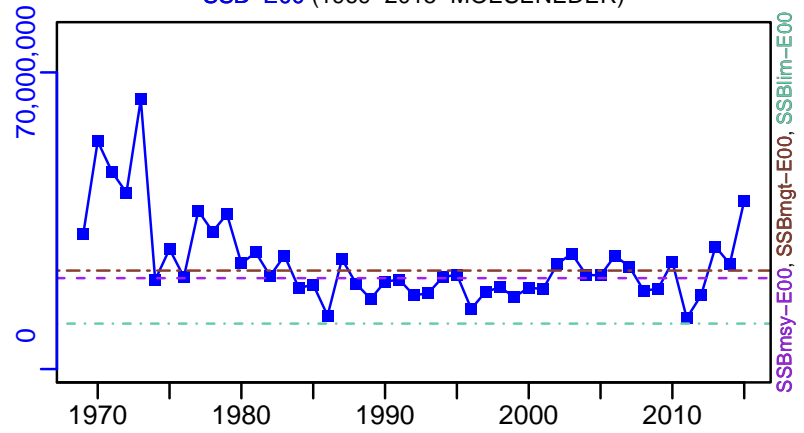
◆ Start Year ◆ End Year * No Data

Grooved tiger prawn Northern Australia [GTPRAWNNAUST]

TB*



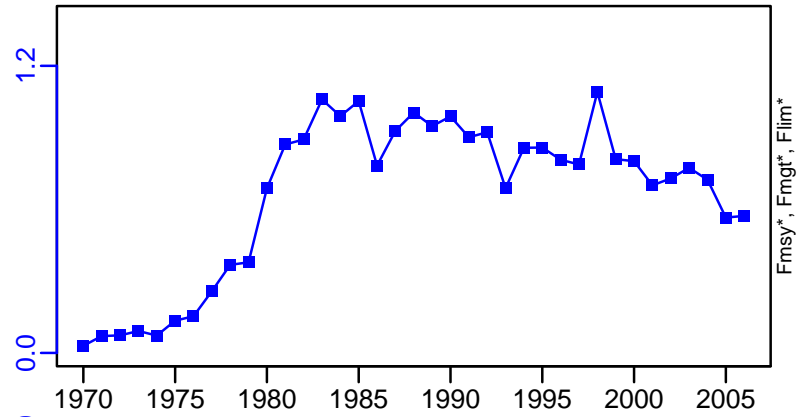
SSB-E00 (1969-2015-MOESENER)



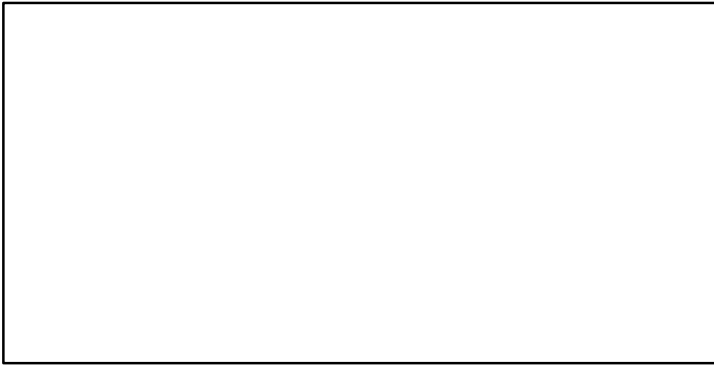
TN *



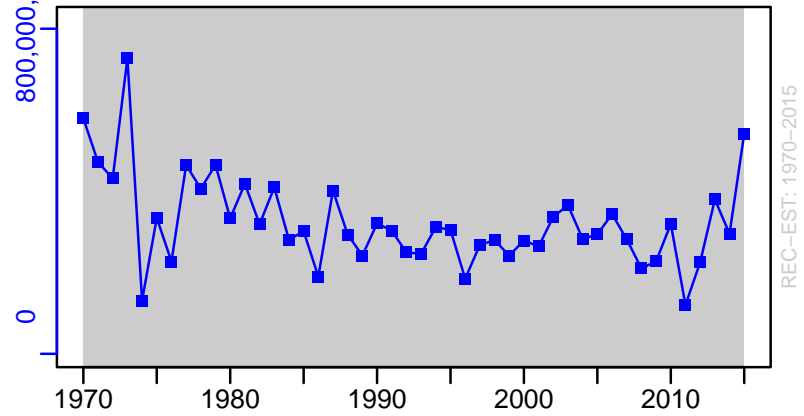
F-1/yr (1970-2006-FULTON)



ER*

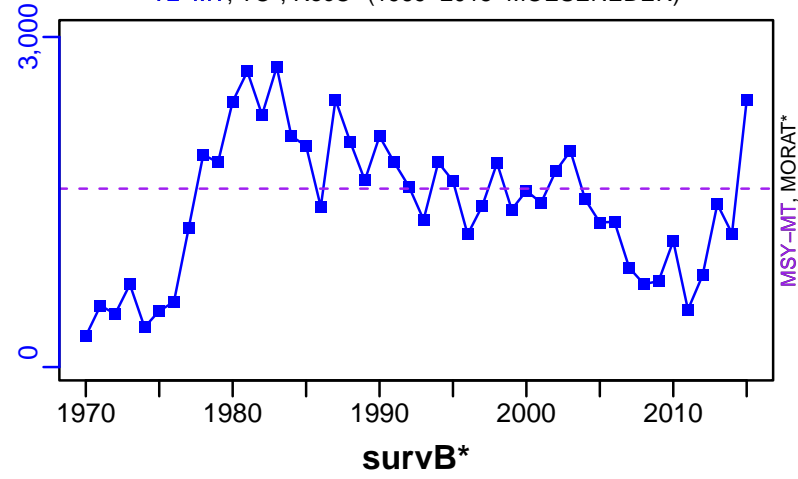


R-E00 (1969-2015-MOESENER)



Grooved tiger prawn Northern Australia [GTPRAWNNAUST]

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



TAC*, Cpair*, Cadv*



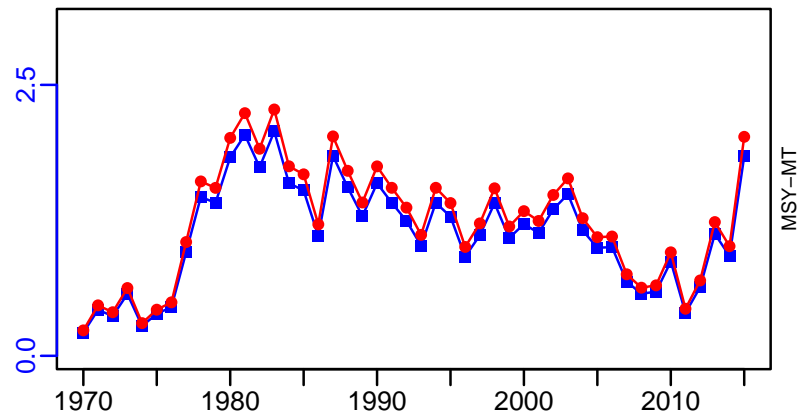
CPUE*



EFFORT*



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



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

Nylon shrimp Central-Southern Chile [NSHRIMPCSCH]

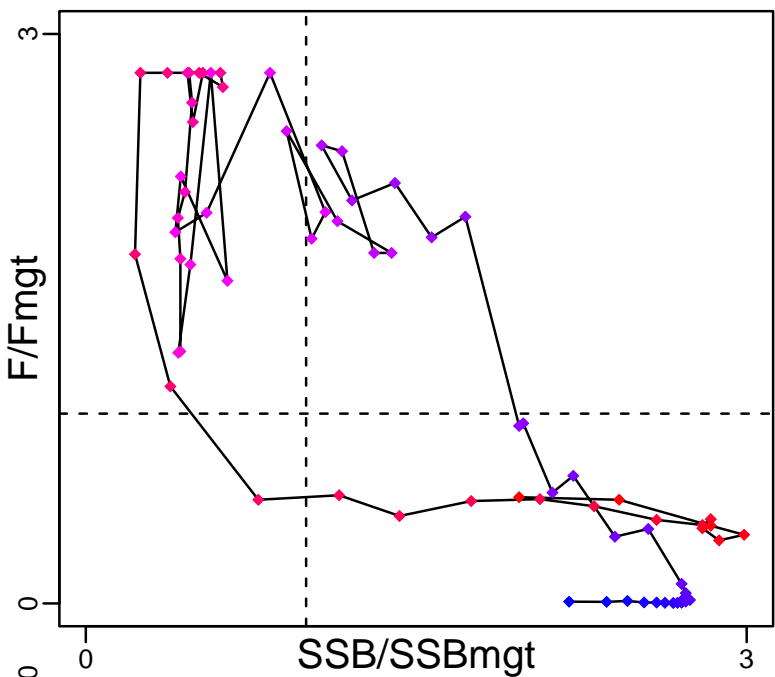
Metadata	
Scientific Name	Heterocarpus reedi
Current Assess ID	IFOPCH-NSHRIMPCSCH-1944-2016-PARMA
Area	Central-Southern Chile
Management Authority	Subsecretaria de Pesca
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute
Asmts in RAM	2016

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

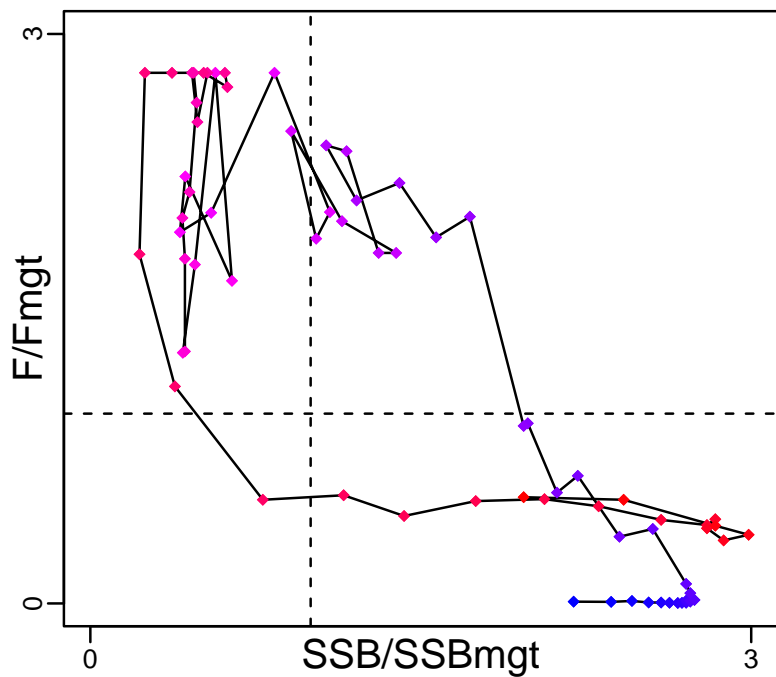
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	37,900	Both	-
SSB	SSB-MT	2016	10,400	Females	1 to 6
TN	-	-	-	-	-
R	R-E00	2016	1.41×10^9	Females	1
F	F-1/yr	2016	0.164	Females	-
ER	ER-calc-ratio	2016	0.08	-	-
TC	-	-	-		
TL	TL-MT	2016	3040		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy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

Nylon shrimp Central–Southern Chile [NSHRIMPCSCH]

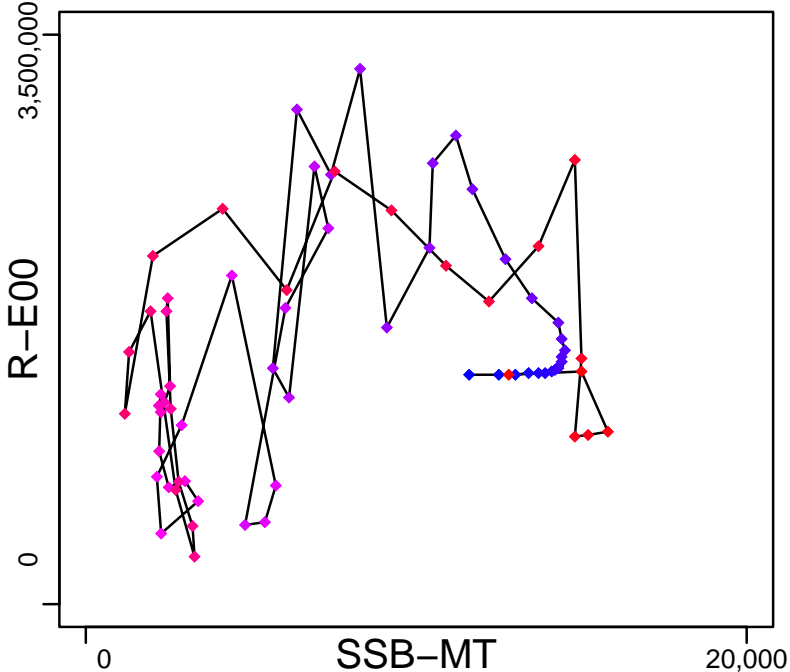
Kobe MSYpref (1944–2016–PARMA)



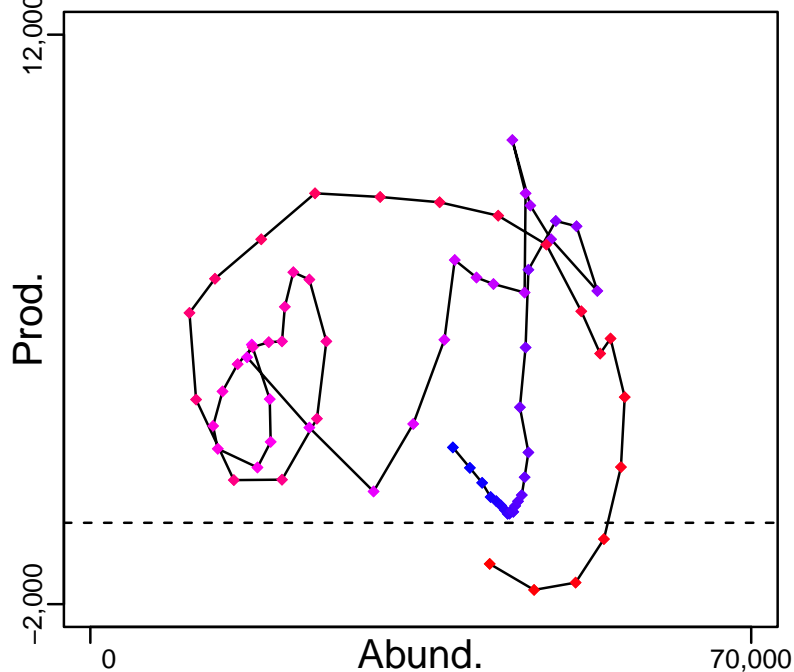
Kobe MGTpref (1944–2016–PARMA)



Spawner Recruit (1944–2016–PARMA)



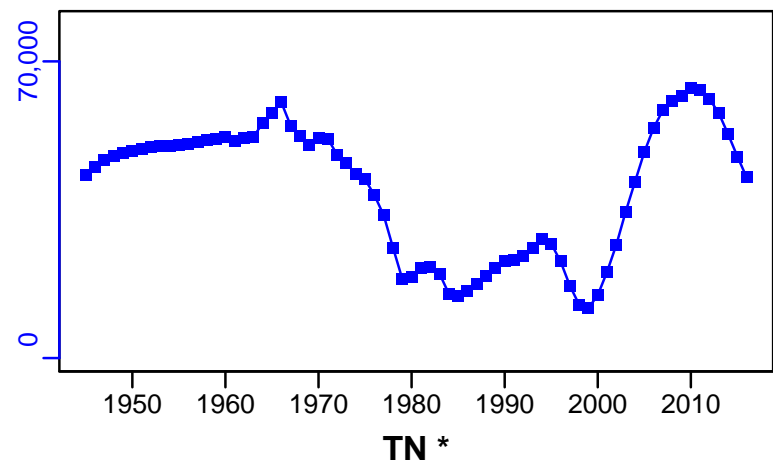
Production (1944–2016–PARMA)



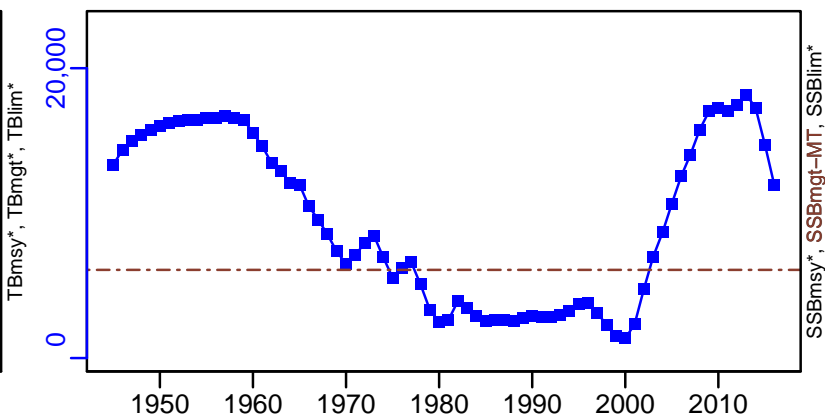
◆ Start Year ◆ End Year * No Data

Nylon shrimp Central–Southern Chile [NSHRIMPCSCH]

TB–MT (1944–2016–PARMA)



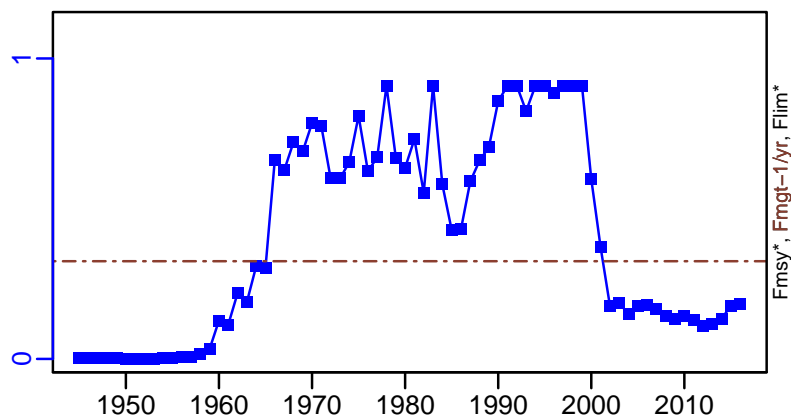
SSB–MT (1944–2016–PARMA)



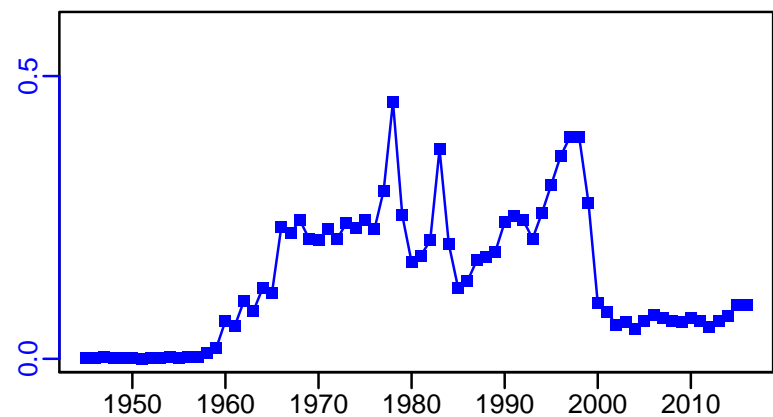
TN *



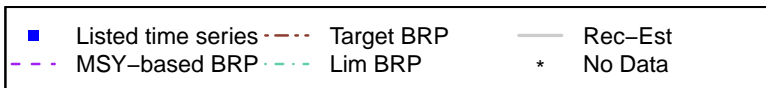
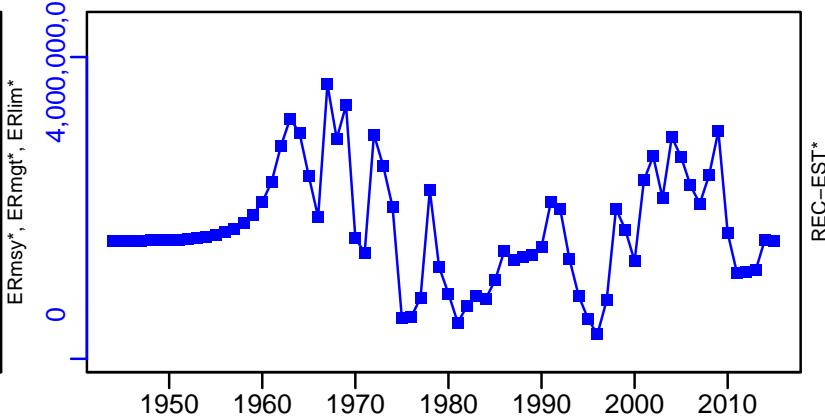
F–1/yr (1944–2016–PARMA)



ER–calc–ratio (1944–2016–PARMA)



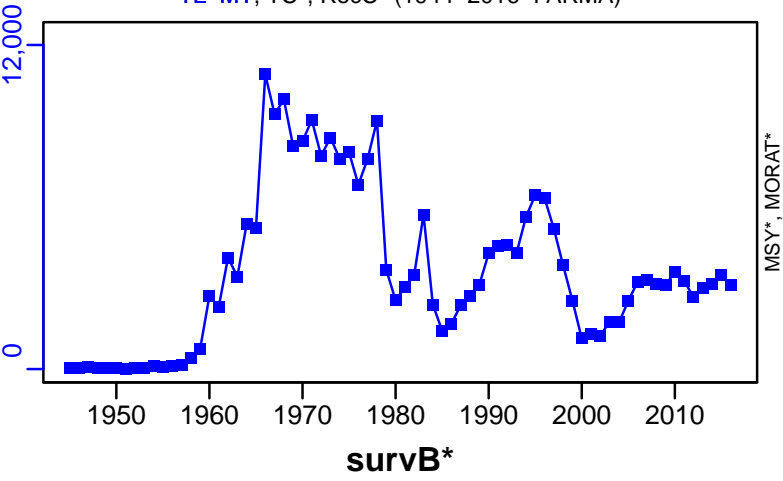
R–E00 (1944–2016–PARMA)



Nylon shrimp Central–Southern Chile [NSHRIMPCSCH]

TL–MT, TC*, RecC* (1944–2016–PARMA)

TAC*, Cpair*, Cadv*



Nylon shrimp Northern Chile [NSHRIMPNCH]

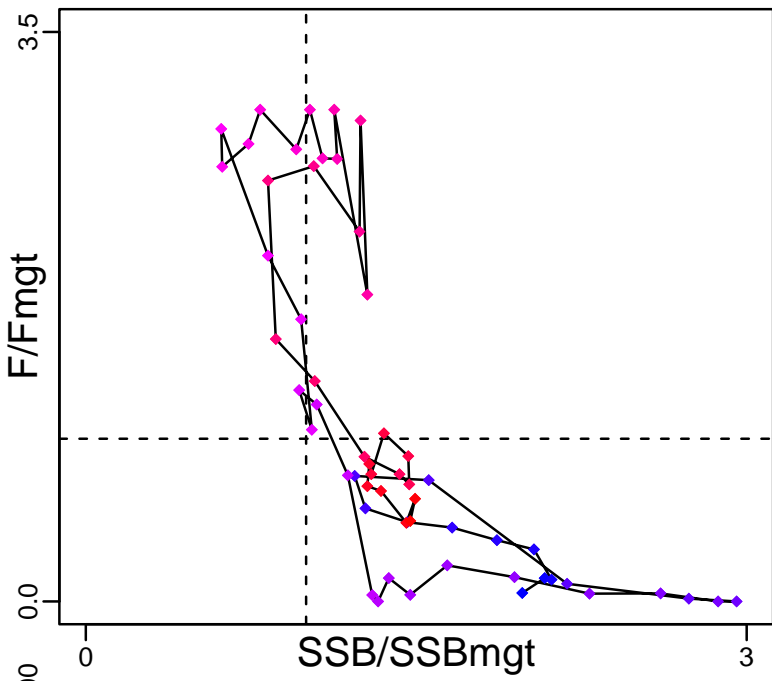
Metadata	
Scientific Name	Heterocarpus reedi
Current Assess ID	IFOPCH-NSHRIMPNCH-1960-2016-PARMA
Area	Northern Chile
Management Authority	Subsecretaria de Pesca
Assessor	Instituto de Fomento Pesquero - Chilean Fisheries Development Institute
Asmts in RAM	2016

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

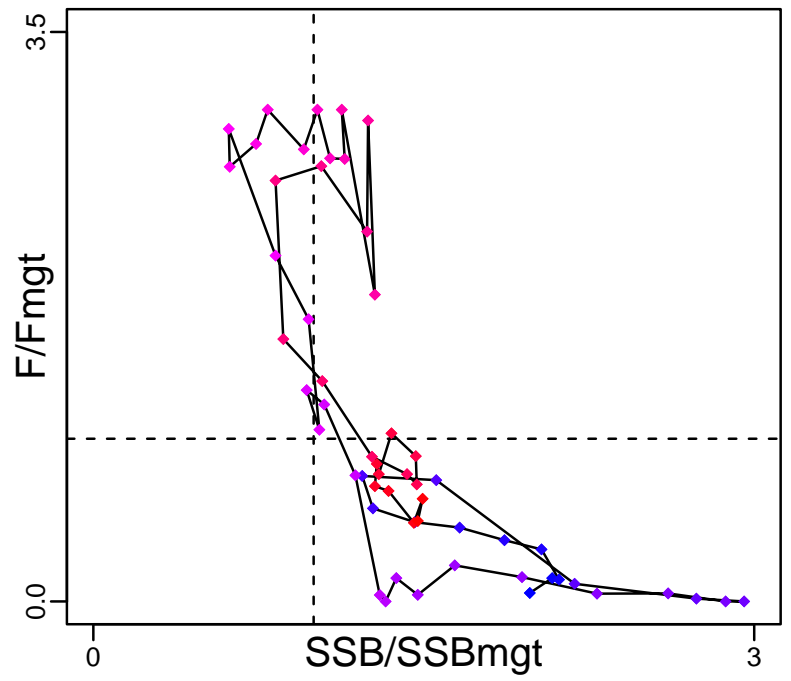
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2016	13,000	Both	-
SSB	SSB-MT	2016	3330	Females	-
TN	-	-	-	-	-
R	R-E00	2016	6.26×10^8	Females	1
F	F-1/yr	2016	0.134	Females	-
ER	ER-calc-ratio	2016	0.062	-	-
TC	-	-	-		
TL	TL-MT	2016	803		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-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

Nylon shrimp Northern Chile [NSHRIMPNCH]

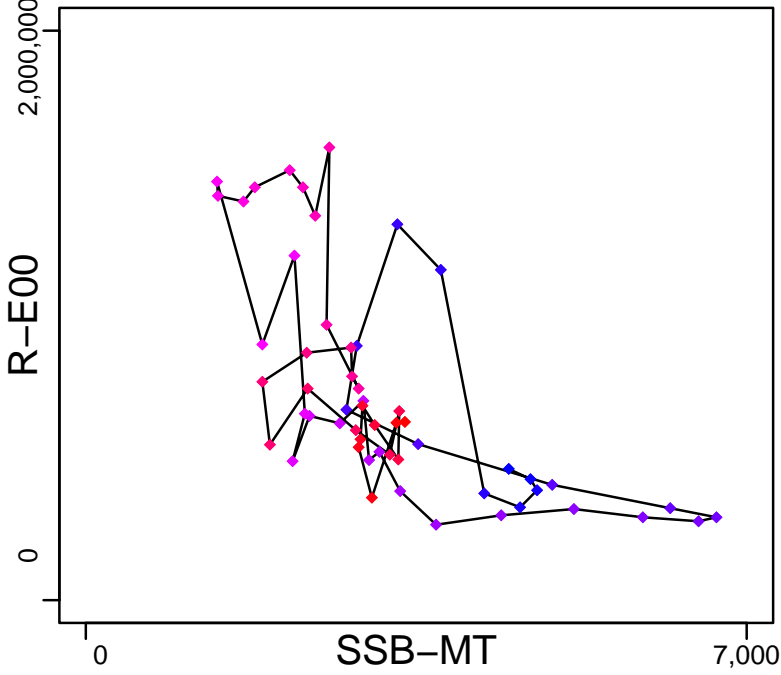
Kobe MSYpref (1960–2016–PARMA)



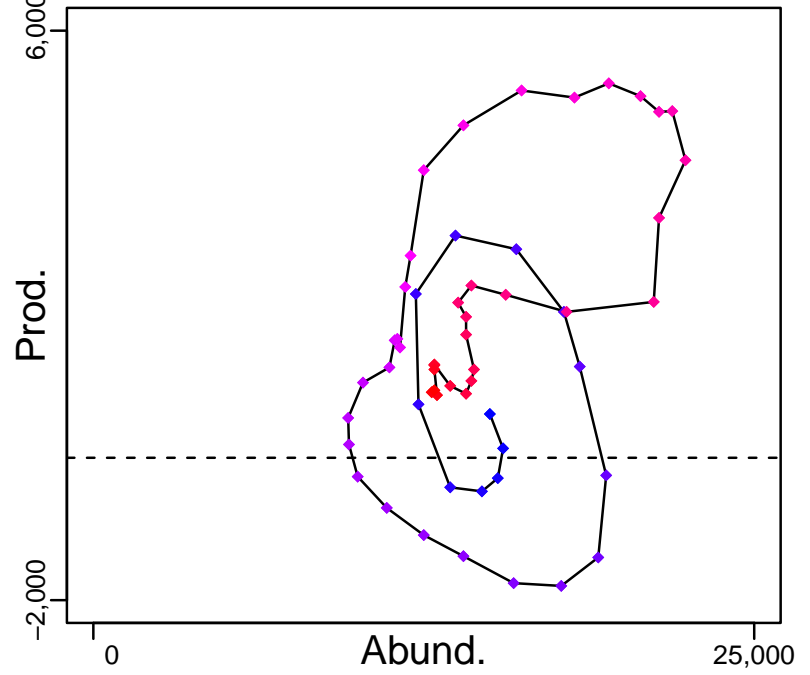
Kobe MGTpref (1960–2016–PARMA)



Spawner Recruit (1960–2016–PARMA)



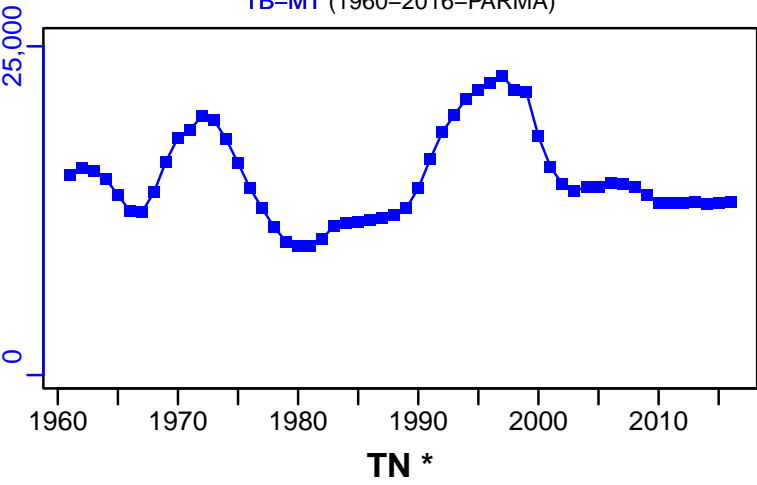
Production (1960–2016–PARMA)



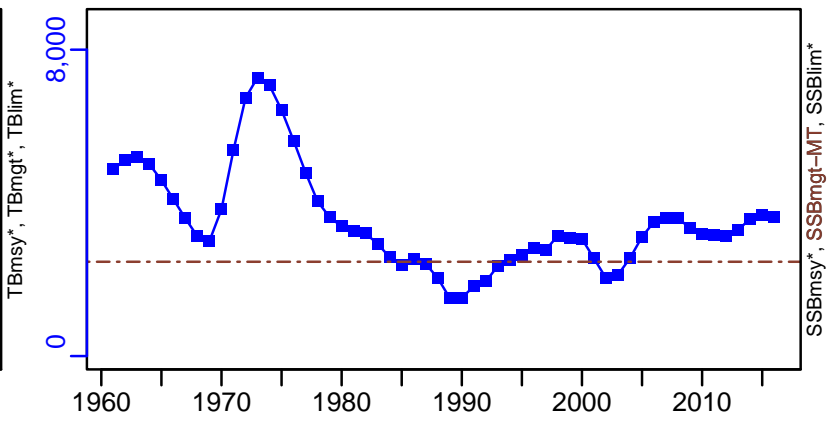
◆ Start Year ◆ End Year * No Data

Nylon shrimp Northern Chile [NSHRIMPNCH]

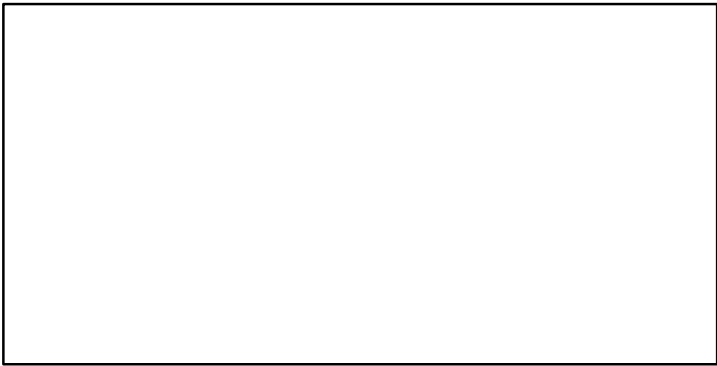
TB-MT (1960–2016–PARMA)



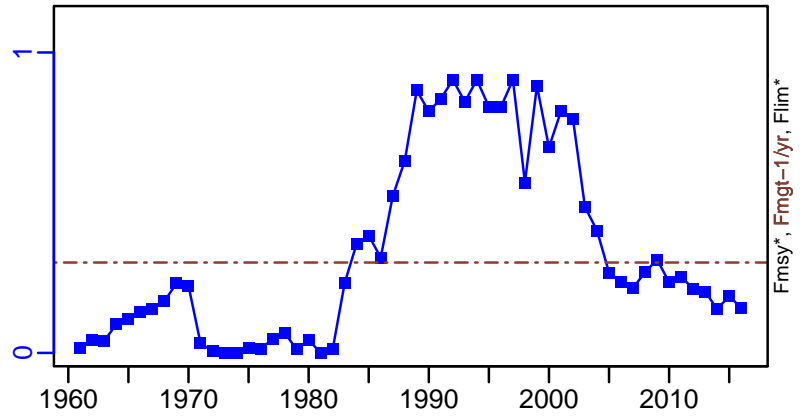
SSB-MT (1960–2016–PARMA)



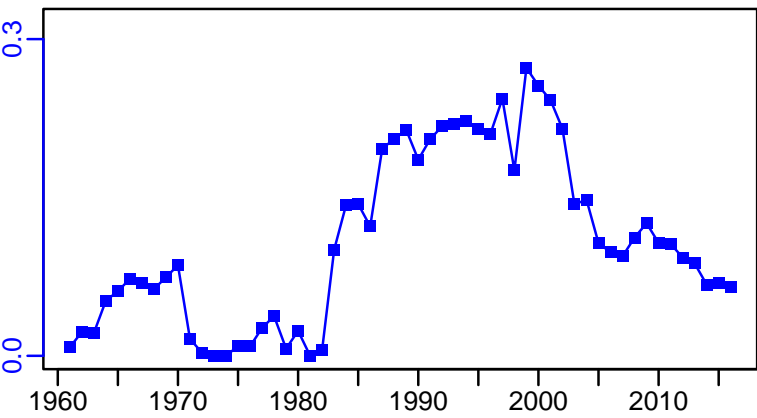
TN *



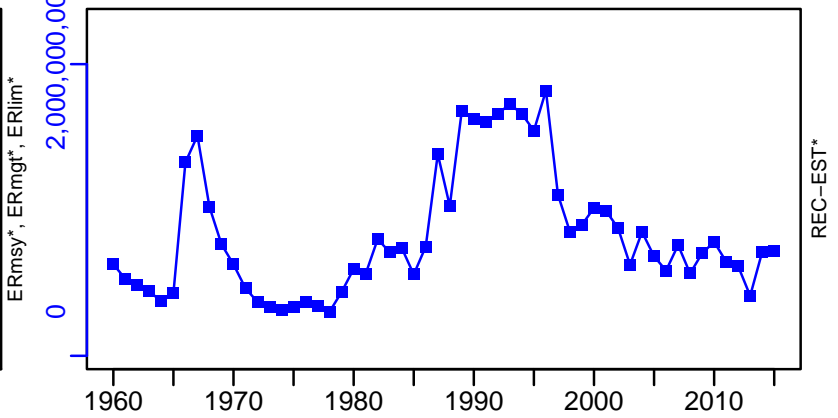
F-1/yr (1960–2016–PARMA)



ER-calc-ratio (1960–2016–PARMA)

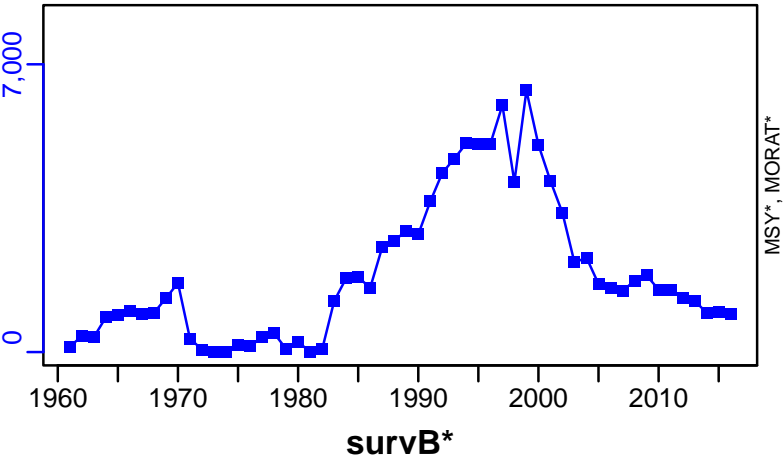


R-E00 (1960–2016–PARMA)



Nylon shrimp Northern Chile [NSHRIMPNCH]

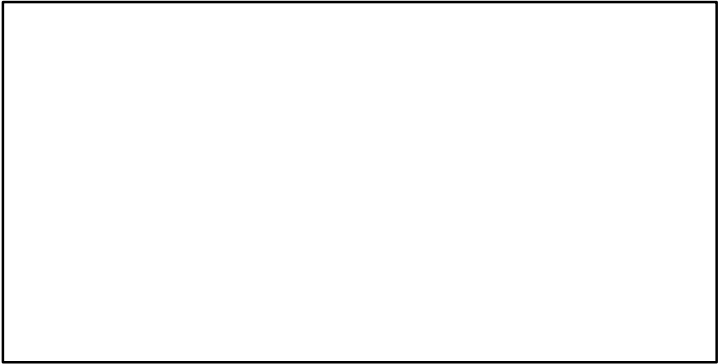
TL-MT, TC*, RecC* (1960–2016–PARMA)



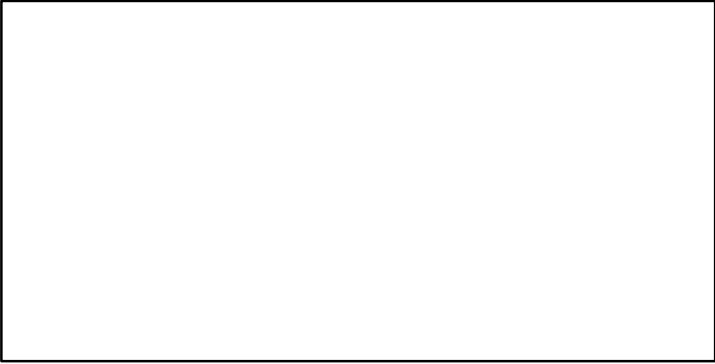
TAC*, Cpair*, Cadv*



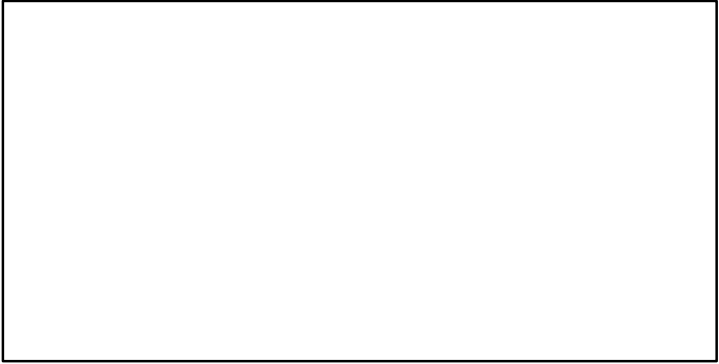
CPUE*



EFFORT*



CdivMSY*



Northern shrimp Gulf of Maine [PANDALGOM]

Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	ASMFC-PANDALGOM-1984-2020-HIVELY
Area	Gulf of Maine
Management Authority	National Marine Fisheries Service, US national management
Assessor	Atlantic States Marine Fisheries Commission
Asmts in RAM	2009, 2020

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2009	0.25
TBlim	TBlim-MT	2009	1540
SSBlim	-	-	-
Flim	Flim-1/yr	2009	0.6
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2020	2728	-	-
SSB	SSB-MT	2020	707	-	-
TN	TN-E00	2020	1.5×10^9	-	-
R	R-E00	2020	1.2×10^9	-	-
F	F-1/yr	2020	0.002	-	-
ER	ER-calc-ratio	2020	0	-	-
TC	-	-	-		
TL	TL-MT	2020	0		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Northern shrimp Gulf of Maine [PANDALGOM]

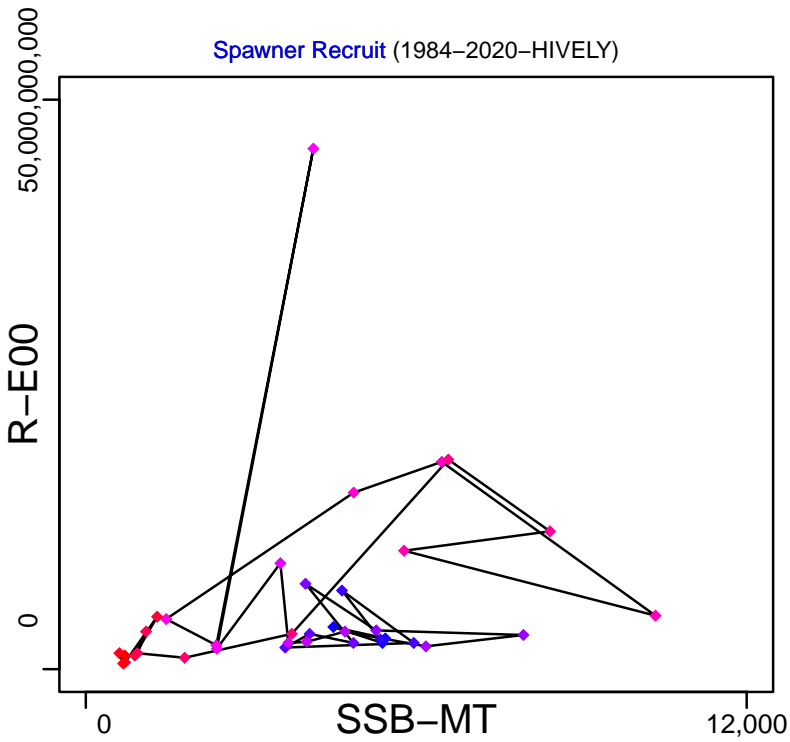
Kobe MSY*



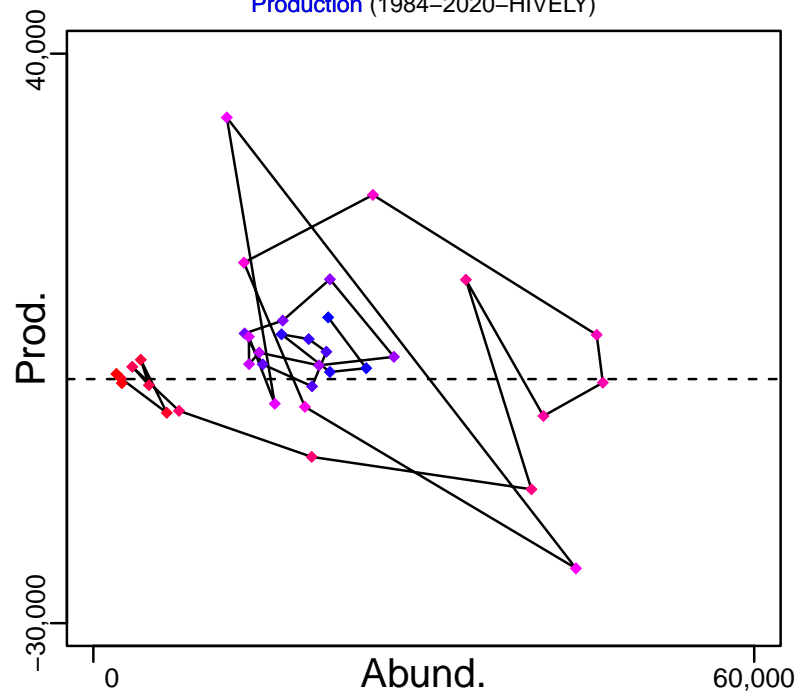
Kobe MGT*



Spawner Recruit (1984–2020–HIVELY)



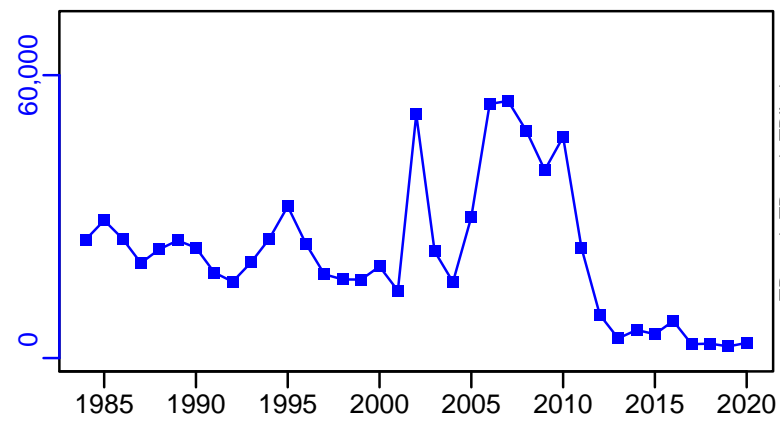
Production (1984–2020–HIVELY)



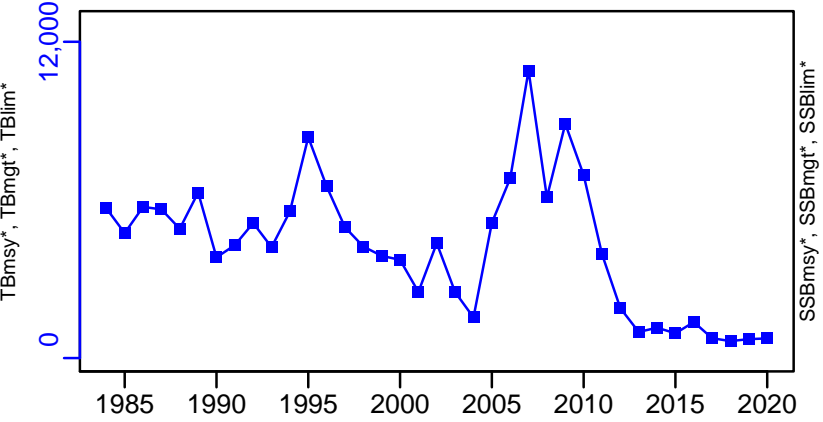
◆ Start Year ◆ End Year * No Data

Northern shrimp Gulf of Maine [PANDALGOM]

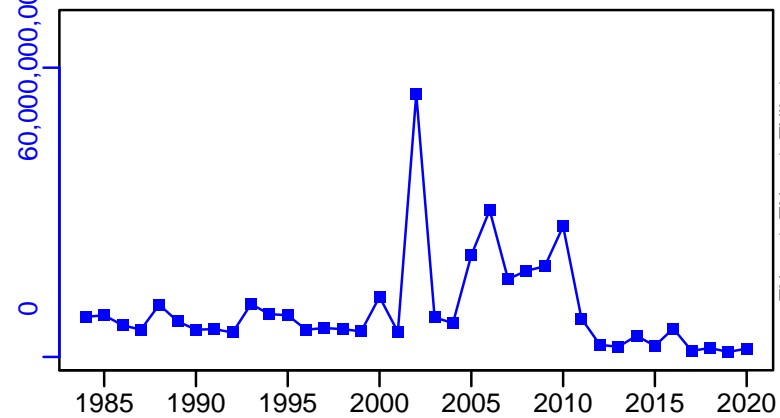
TB-MT (1984–2020–HIVELY)



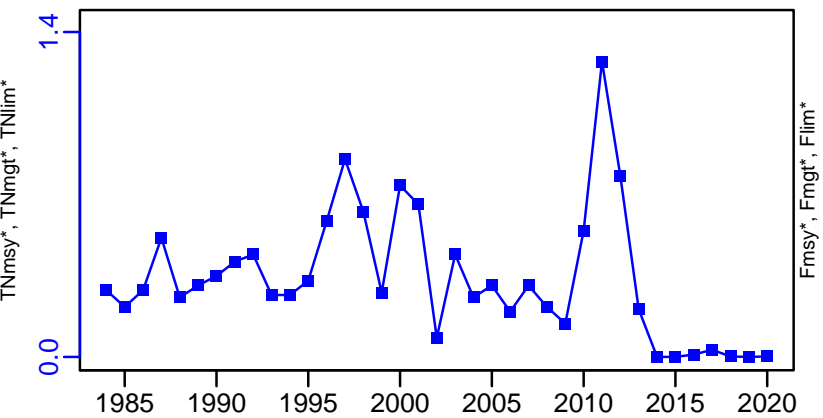
SSB-MT (1984–2020–HIVELY)



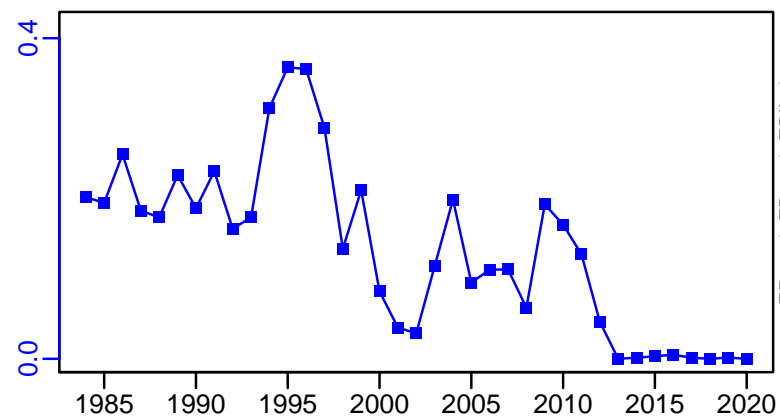
TN-E00 (1984–2020–HIVELY)



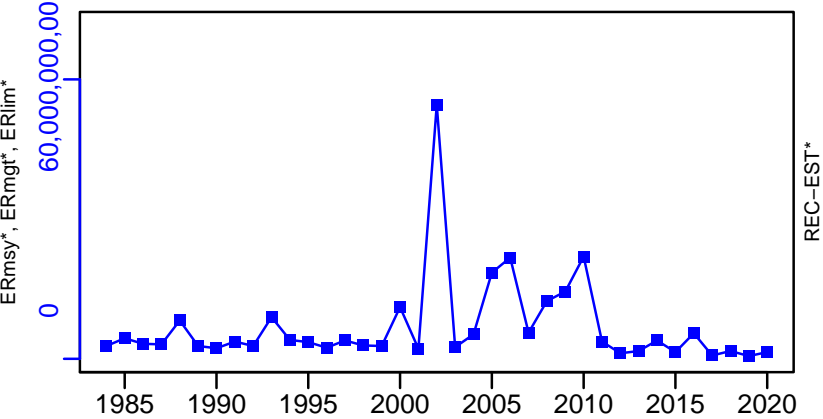
F-1/yr (1984–2020–HIVELY)



ER-calc-ratio (1984–2020–HIVELY)

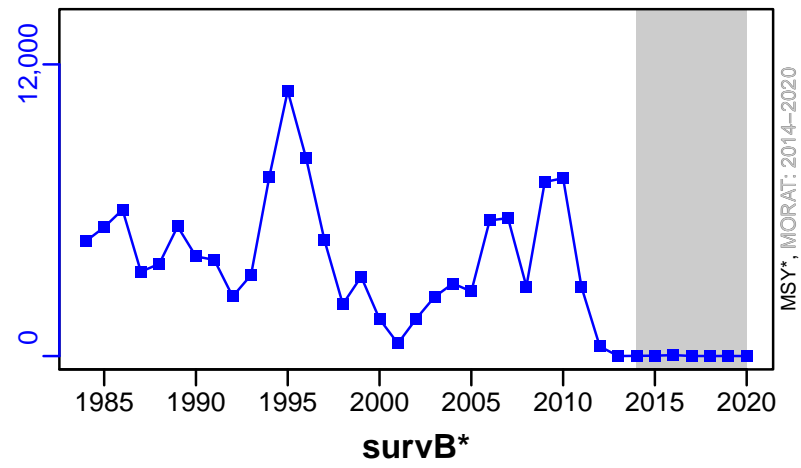


R-E00 (1984–2020–HIVELY)

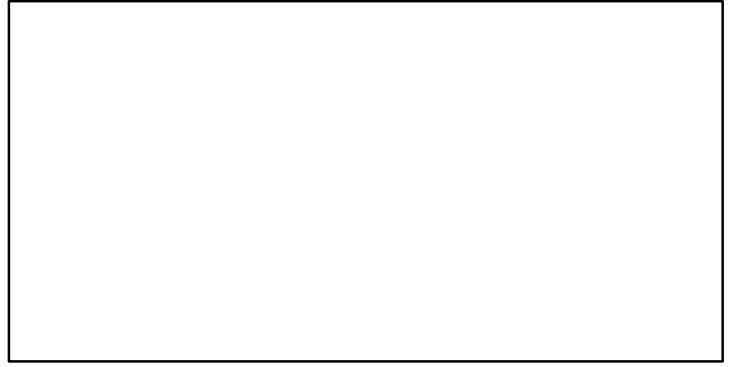


Northern shrimp Gulf of Maine [PANDALGOM]

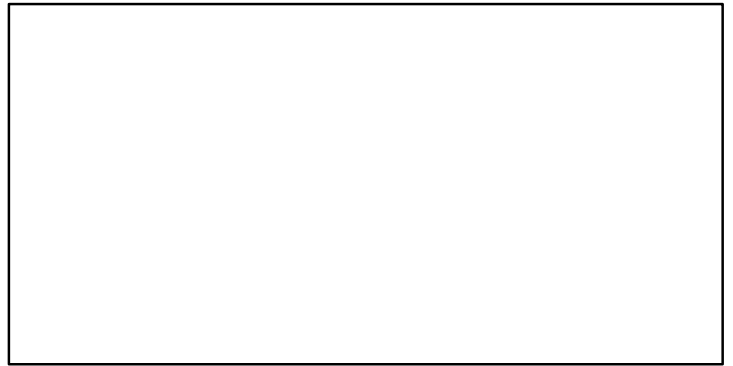
TL-MT, TC*, RecC* (1984-2020-HIVELY)



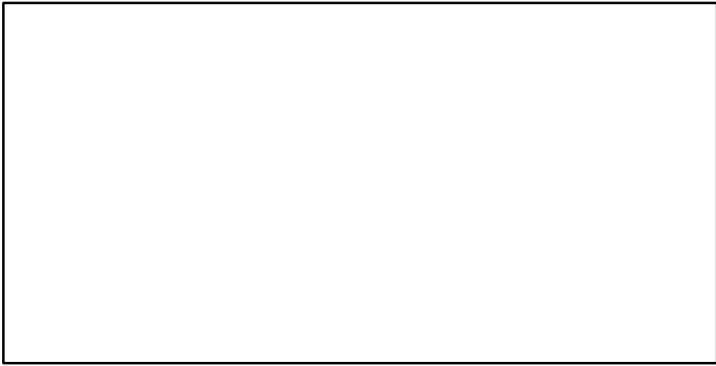
TAC*, Cpair*, Cadv*



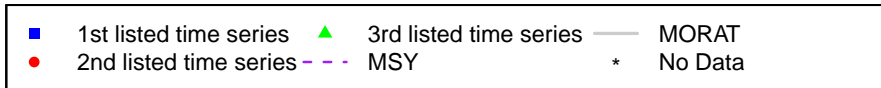
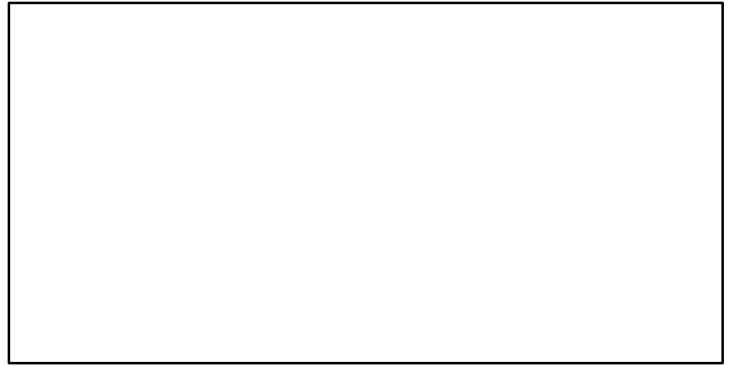
CPUE*



EFFORT*



CdivMSY*



Northern shrimp North-East Arctic [PANDALI-II]

Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	NIPAG-PANDALI-II-1970-2020-ICESIMP2021-2
Area	North-East Arctic
Management Authority	International Council for the Exploration of the Sea
Assessor	Joint NAFO and ICES Pandalus Assessment Working Group
Asmts in RAM	2014, 2015, 2016, 2017, 2019, 2020

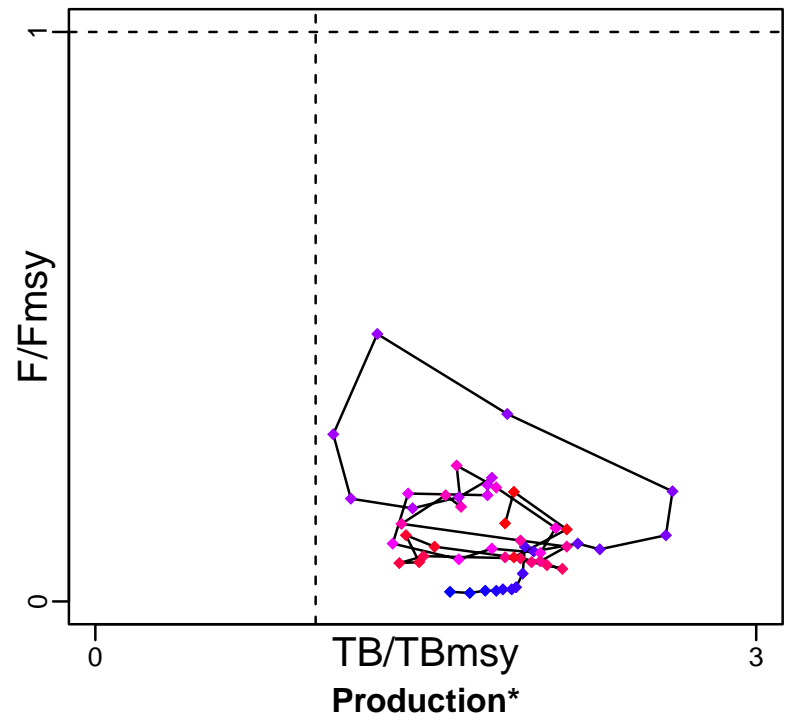
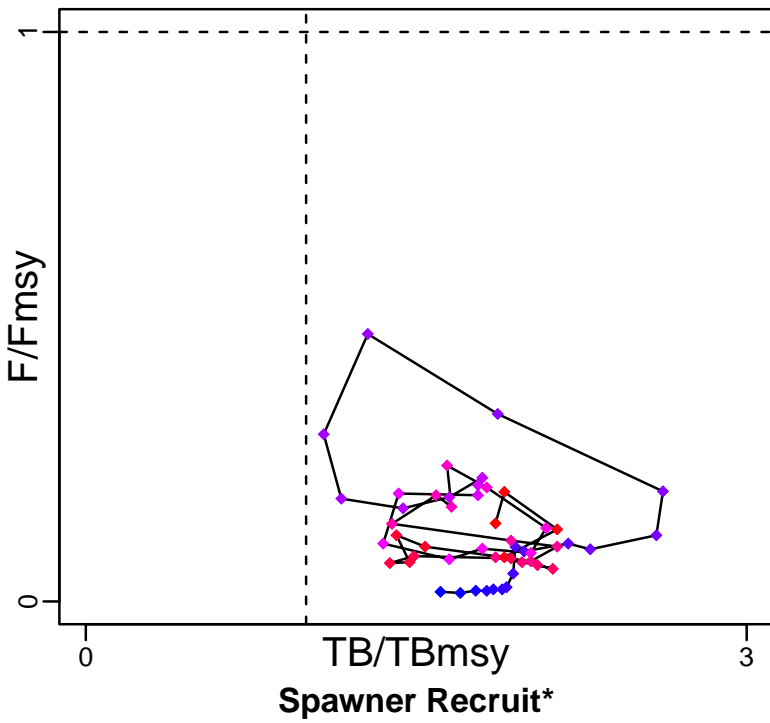
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-E00	2015	0	-	0
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2020	53,000		
TL	TL-MT	2019	78,000		
TB/TBmsy	TBdivTBmsy-dimensionless	2020	1.86		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2019	2.37		
F/Fmsy	FdivFmsy-dimensionless	2020	0.137		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Northern shrimp North-East Arctic [PANDALI-II]

Kobe MSYpref (1970–2020–ICESIMP2021–2)

Kobe MGTpref (1970–2020–ICESIMP2021–2)



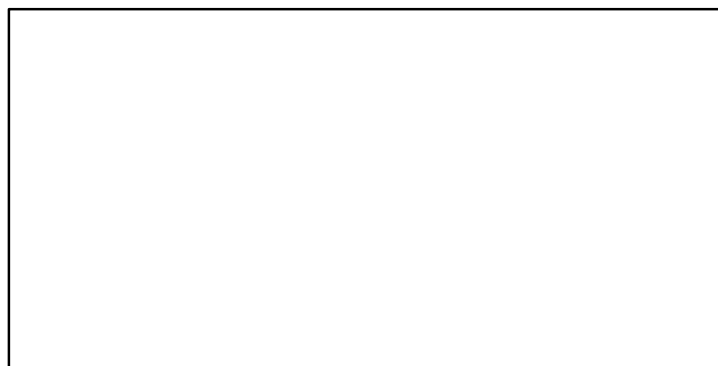
◆ Start Year ◆ End Year * No Data

Northern shrimp North-East Arctic [PANDALI-II]

TB*



SSB*



TN *



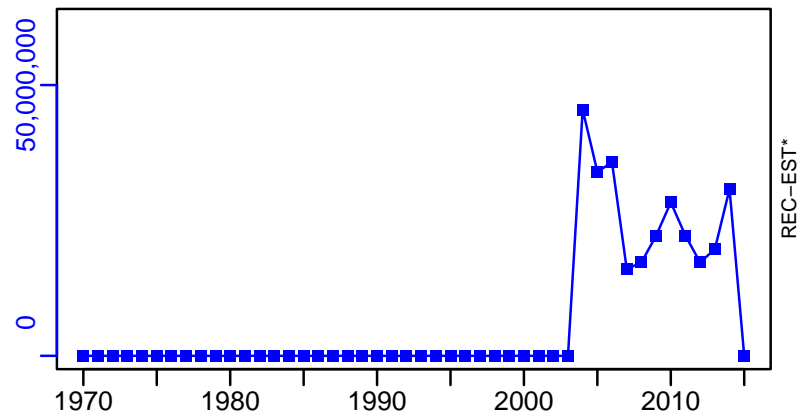
F*



ER*

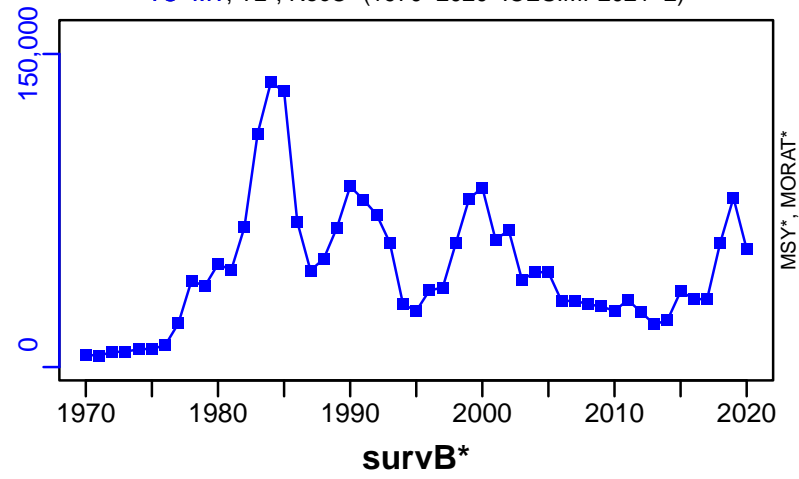


R-E00 (1970–2015–ICESIMP2018)



Northern shrimp North-East Arctic [PANDALI-II]

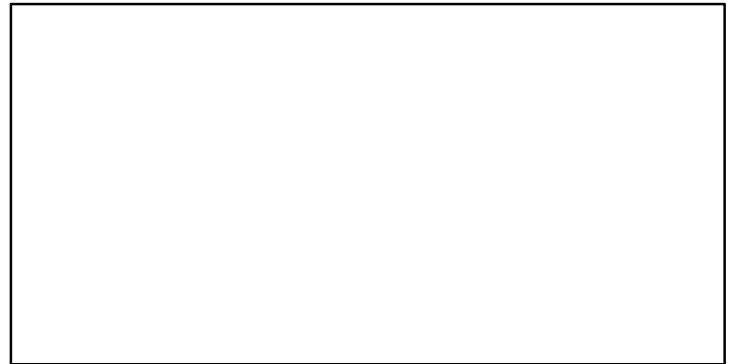
TC-MT, TL*, RecC* (1970-2020-ICESIMP2021-2)



TAC*, Cpair*, Cadv*



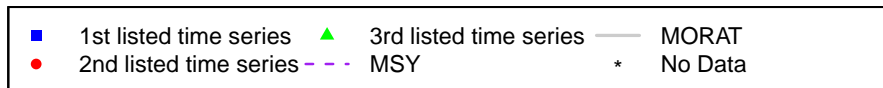
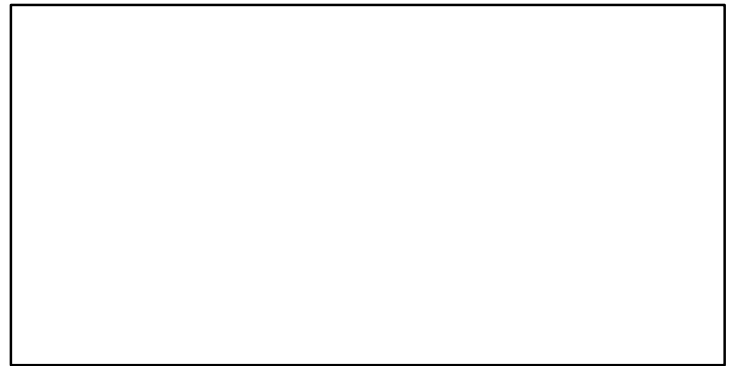
CPUE*



EFFORT*



CdivMSY*



Northern shrimp ICES 3a(west)-4a(east) [PANDALIIIaW-IVaE]

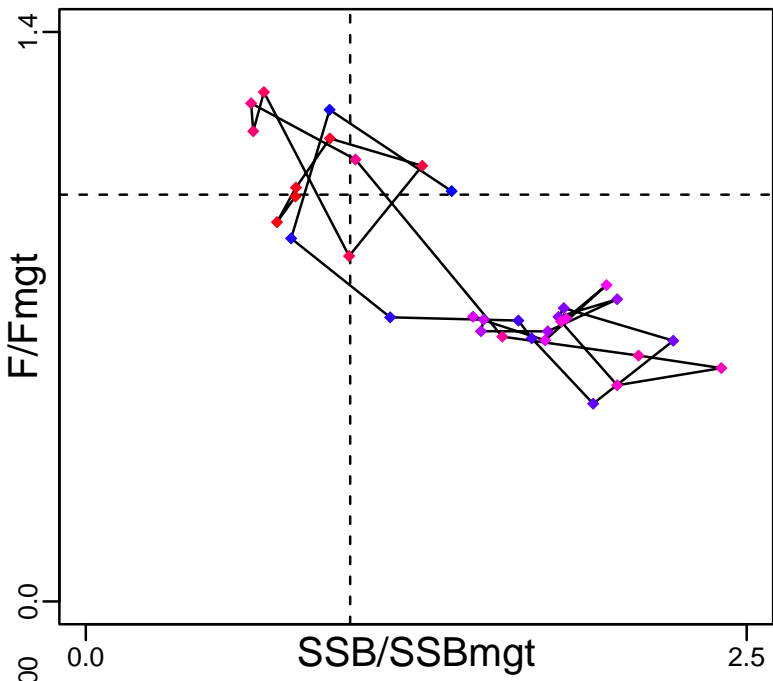
Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	NIPAG-PANDALIIIaW-IVaE-1988-2021-ICESIMP2021-2
Area	ICES 3a(west)-4a(east)
Management Authority	International Council for the Exploration of the Sea
Assessor	Joint NAFO and ICES Pandalus Assessment Working Group
Asmts in RAM	2013, 2014, 2015, 2019, 2020, 2021

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2020	0.6
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2021	9900
Fmgt	Fmgt-1/yr	2021	0.59
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2021	6300
Flim	Flim-1/yr	2021	1
ERlim	-	-	-

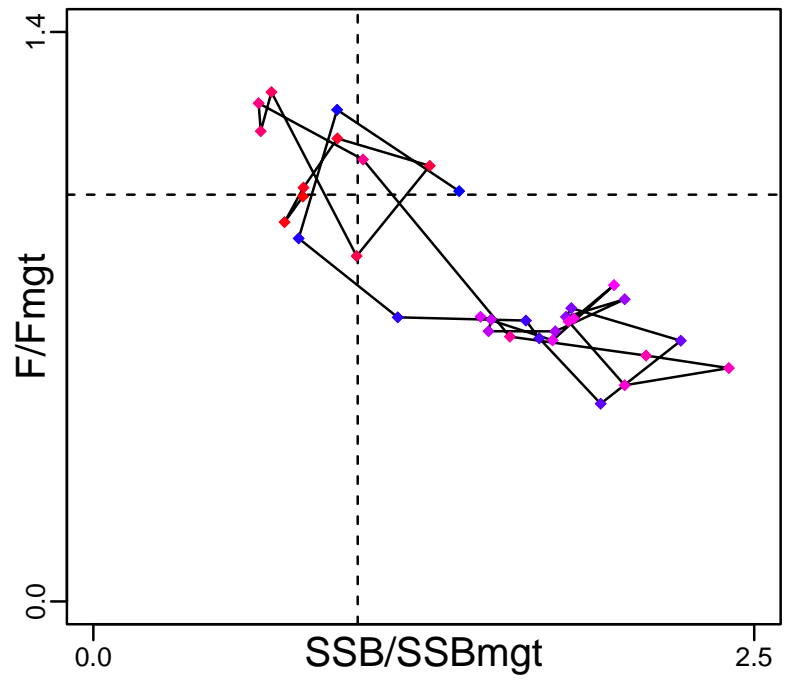
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	29,400	Both	-
SSB	SSB-MT	2021	7580	-	-
TN	-	-	-	-	-
R	R-E00	2021	7.8×10^9	-	0
F	F-1/yr	2021	0.587	-	-
ER	ER-calc-ratio	2015	0.412	-	-
TC	TC-MT	2021	9230		
TL	TL-MT	2021	8940		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2014	1.1		
F/Fmsy	F-1/yr/Fmsy-1/yr	2020	0.88		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2021	0.766		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	0.995		
ER/ERmgt	-	-	-		

Northern shrimp ICES 3a(west)-4a(east) [PANDALIIIaW-IVaE]

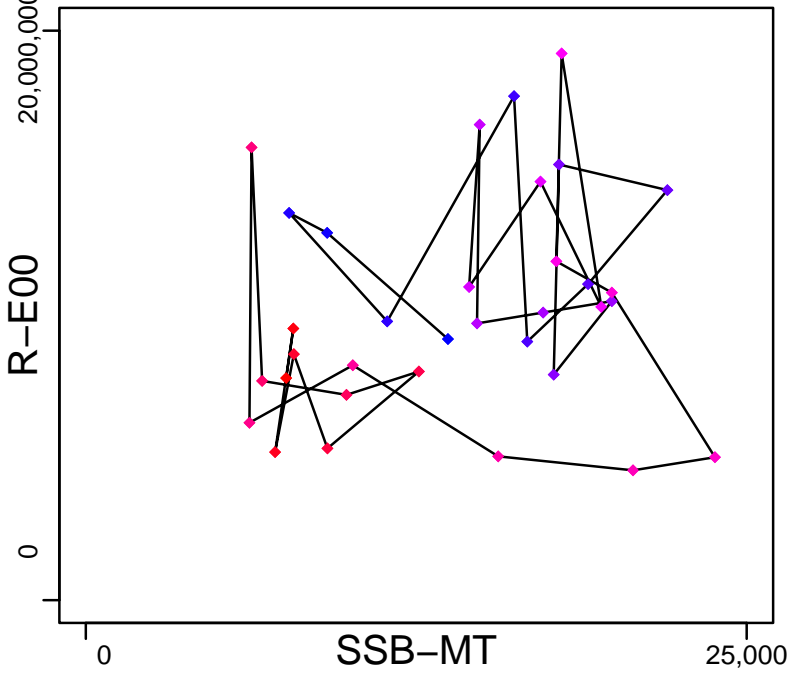
Kobe MSYpref (1988-2021-ICESIMP2021-2)



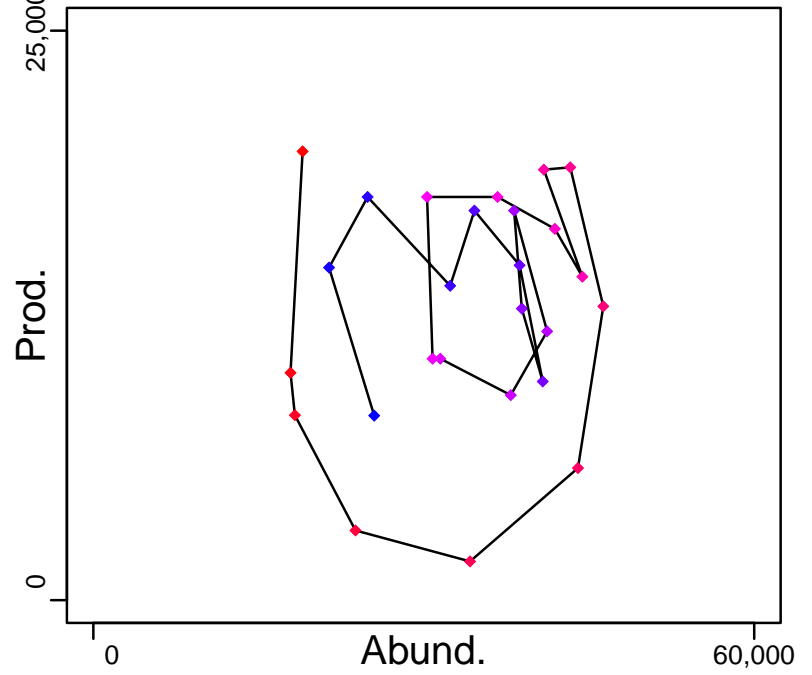
Kobe MGTpref (1988-2021-ICESIMP2021-2)



Spawner Recruit (1988-2021-ICESIMP2021-2)



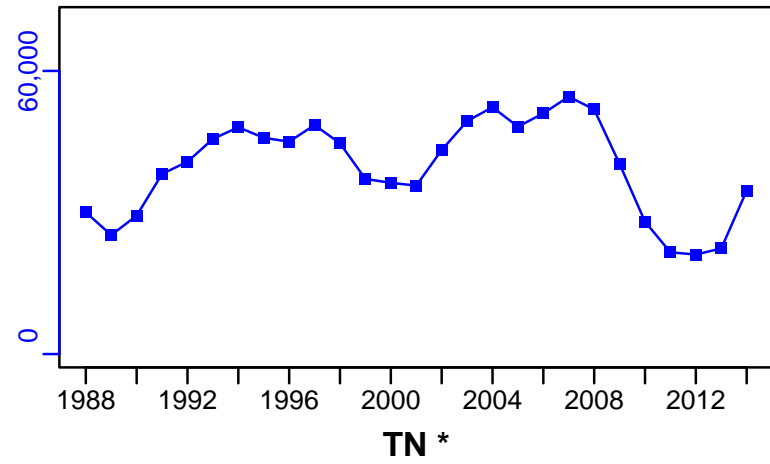
Production (1988-2015-ICESIMP2016)



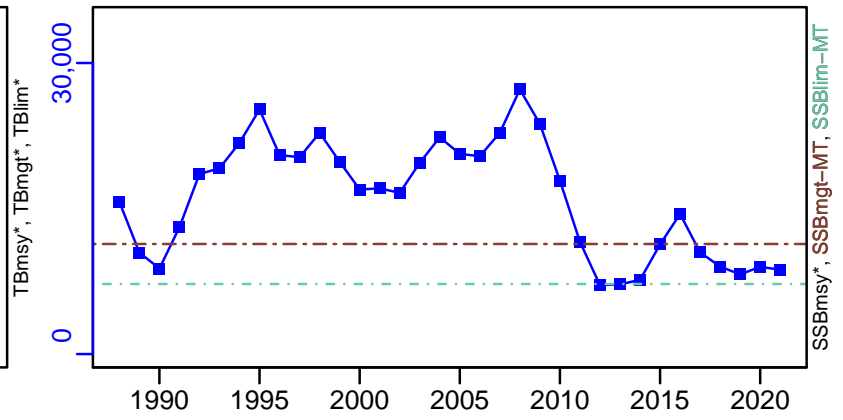
◆ Start Year ◆ End Year * No Data

Northern shrimp ICES 3a(west)–4a(east) [PANDALIIIaW–IVaE]

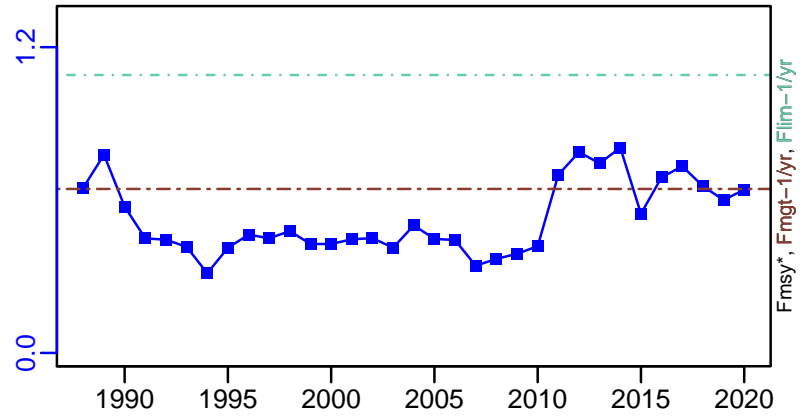
TB–MT (1988–2015–ICESIMP2016)



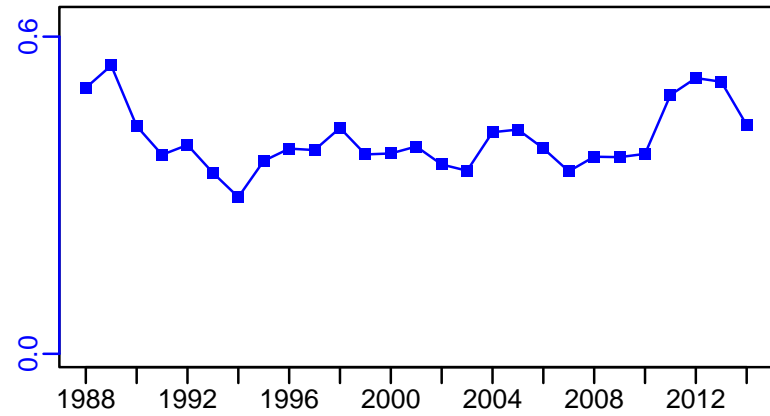
SSB–MT (1988–2021–ICESIMP2021–2)



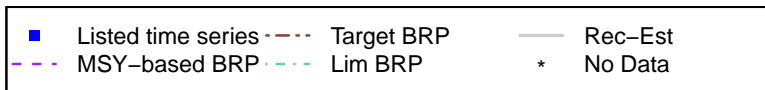
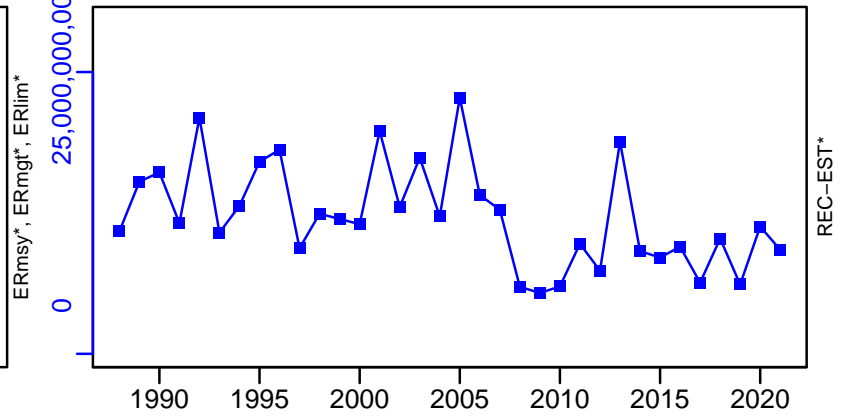
F–1/yr (1988–2021–ICESIMP2021–2)



ER–calc–ratio (1988–2015–ICESIMP2016)



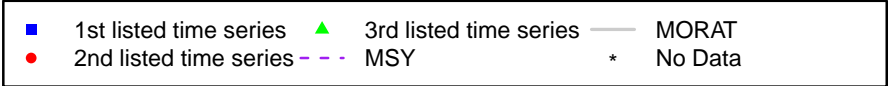
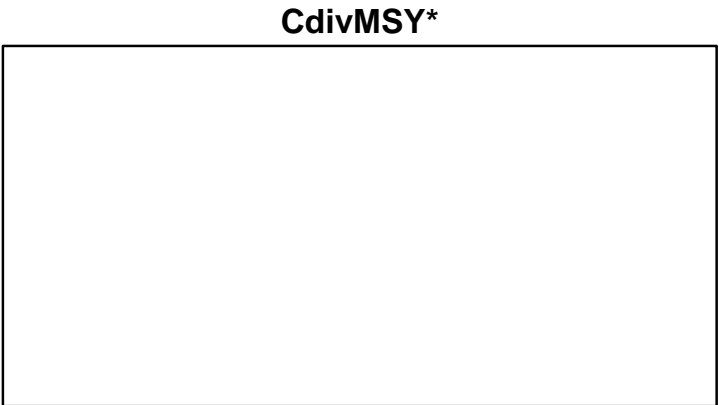
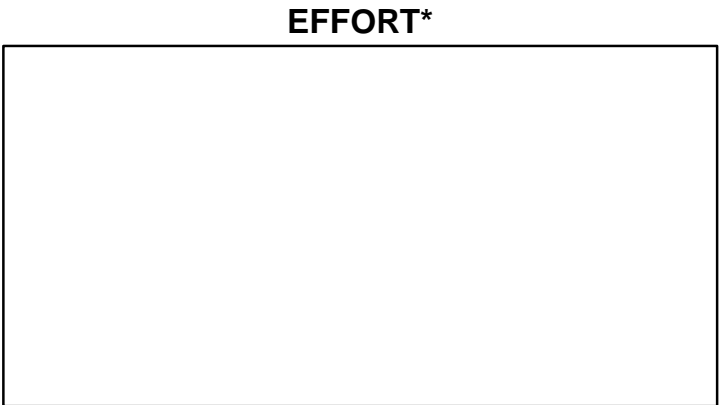
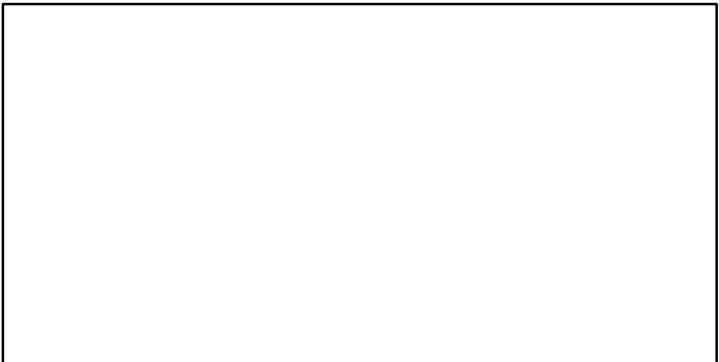
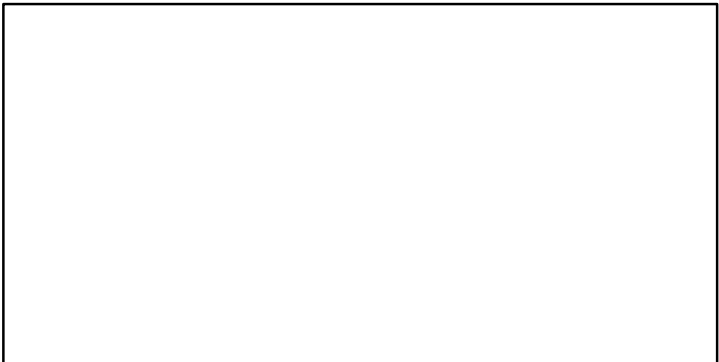
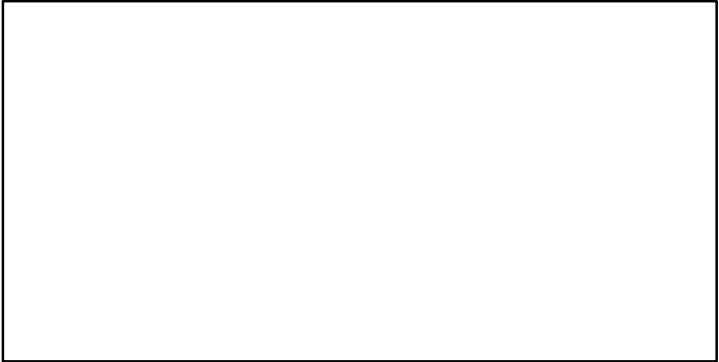
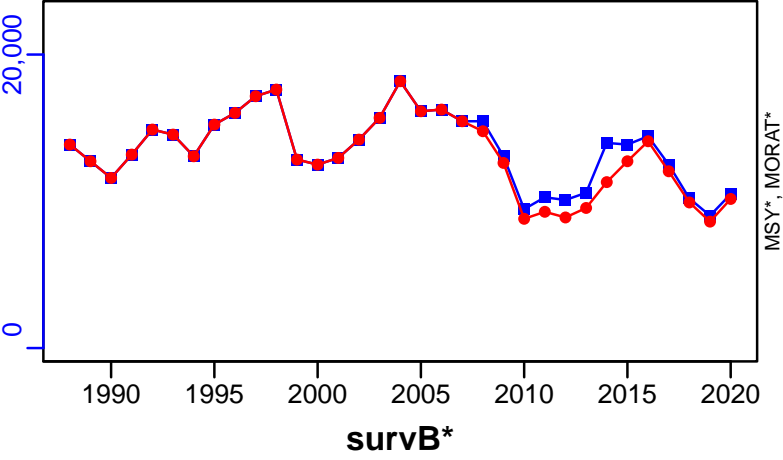
R–E00 (1988–2021–ICESIMP2021–2)



Northern shrimp ICES 3a(west)–4a(east) [PANDALIIIaW–IVaE]

TC–MT, TL–MT, RecC* (1988–2021–ICESIMP2021–2)

TAC*, Cpair*, Cadv*



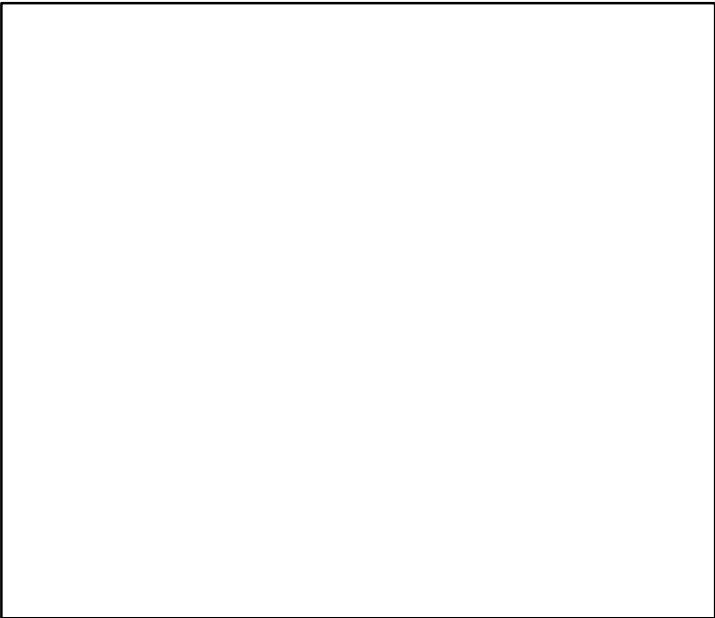
Northern shrimp Northern North Sea [PANDALIVa]

Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	NIPAG-PANDALIVa-1970-2019-ICESIMP2021
Area	Northern North Sea
Management Authority	International Council for the Exploration of the Sea
Assessor	Joint NAFO and ICES Pandalus Assessment Working Group
Asmts in RAM	2015, 2019

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	2019	1.4		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

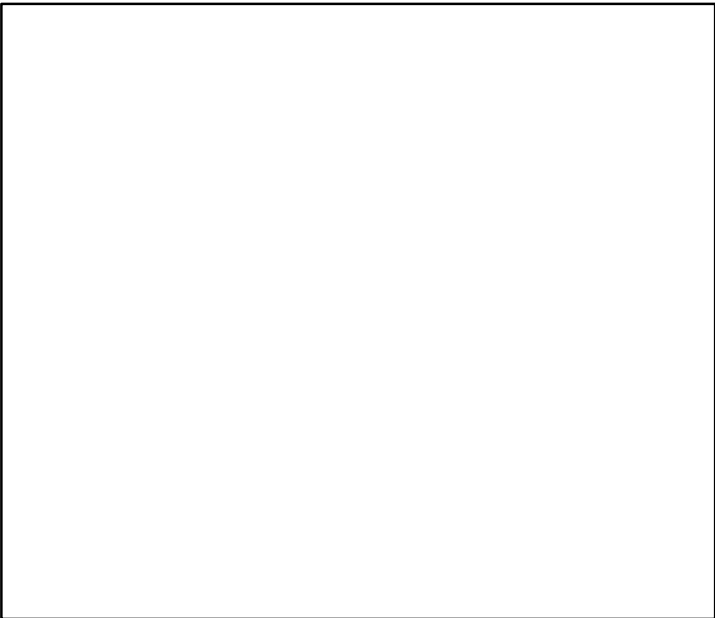
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*



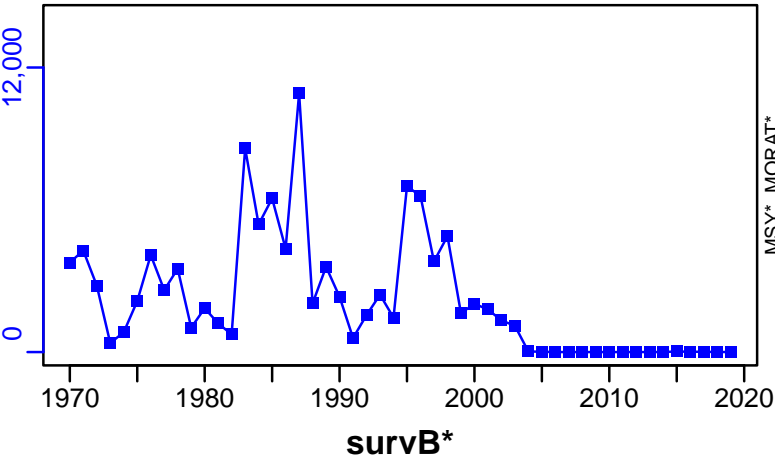
Recruits*



■ Listed time series	- - - Target BRP	— Rec-Est
- - - MSY-based BRP	· · · Lim BRP	* No Data

Northern shrimp Northern North Sea [PANDALIVa]

TL-MT, TC*, RecC* (1970–2019–ICESIMP2021)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



CdivMSY*



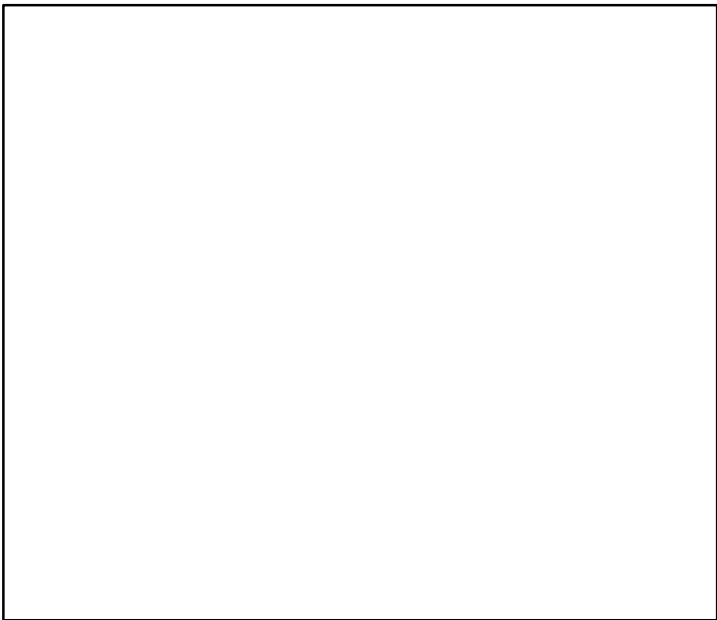
Northern shrimp Nunavut/Nunavik East [PANDALNUNE]

Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	DFO-ARCTIC-PANDALNUNE-1979-2018-ASHBROOK
Area	Nunavut/Nunavik East
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Arctic Region
Asmts in RAM	2018

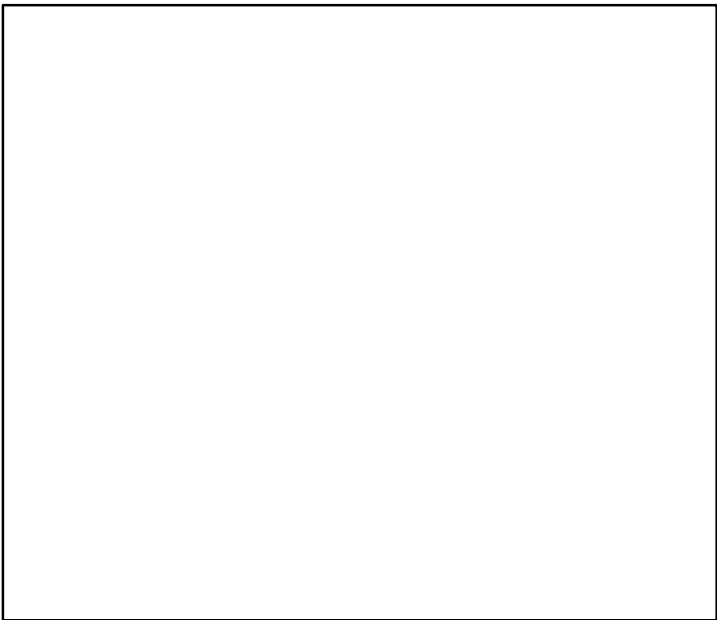
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2018	6000		
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

Northern shrimp Nunavut/Nunavik East [PANDALNUNE]

TB*



SSB*



TN *



F*



ER*



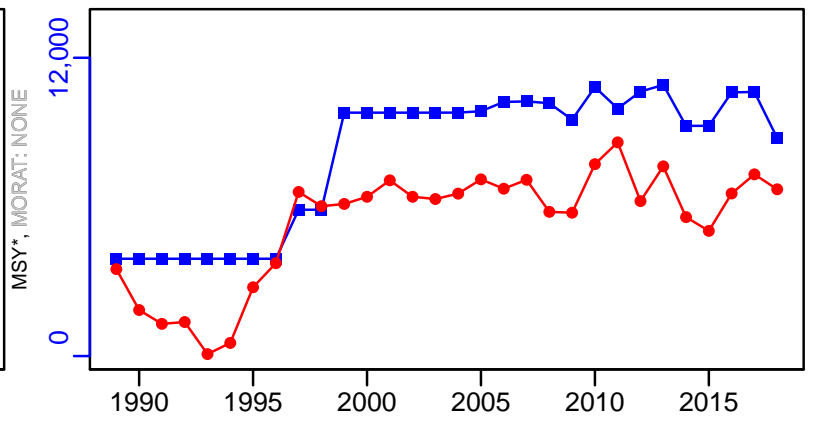
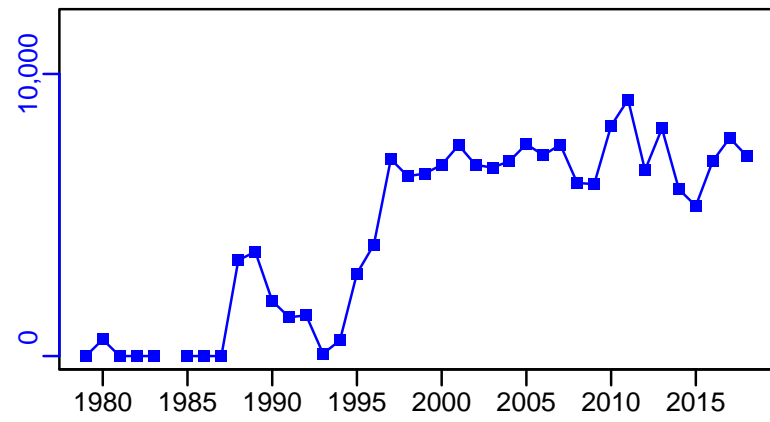
Recruits*



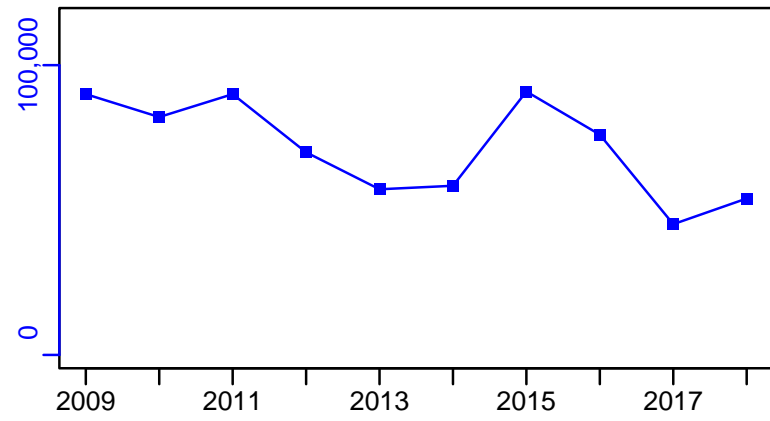
Northern shrimp Nunavut/Nunavik East [PANDALNUNE]

TL-MT, TC*, RecC* (1979-2018-ASHBROOK)

TAC-MT, Cpair-MT, Cadv* (1979-2018-ASHBROOK)



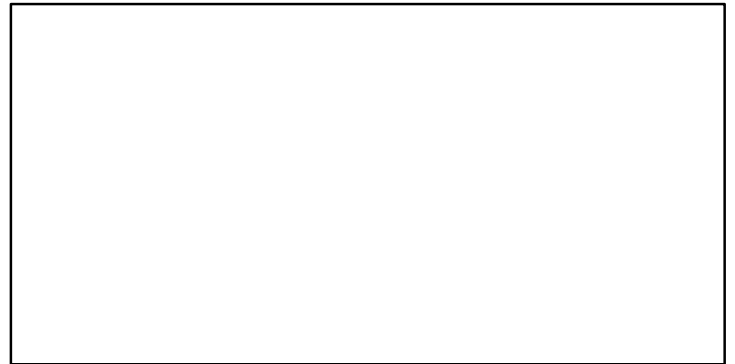
survB-MT (1979-2018-ASHBROOK)



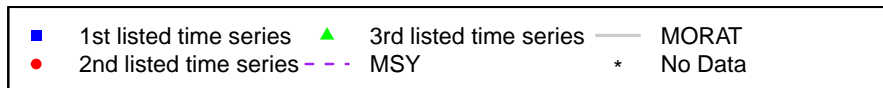
EFFORT*



CPUE*



CdivMSY*



Northern shrimp Nunavut/Nunavik West [PANDALNUNW]

Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	DFO-ARCTIC-PANDALNUNW-2006-2018-ASHBROOK
Area	Nunavut/Nunavik West
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Arctic Region
Asmts in RAM	2018

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	2018	1307		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

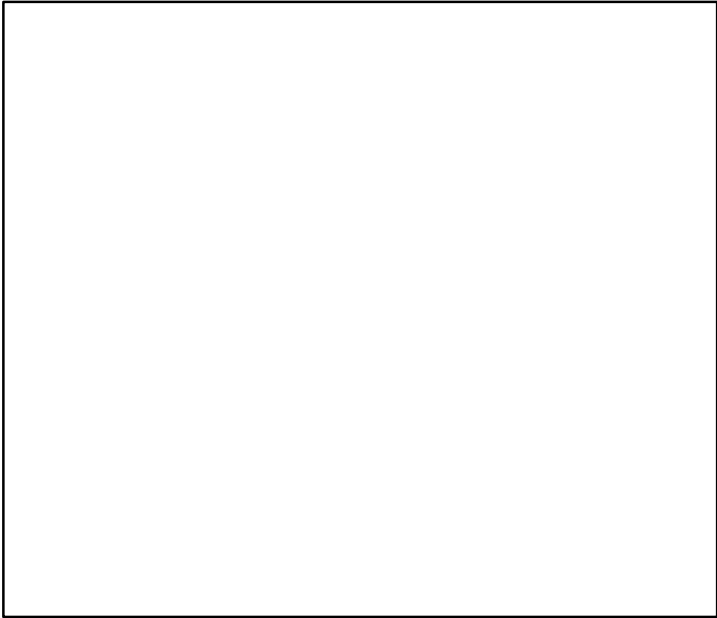
Kobe MSY*



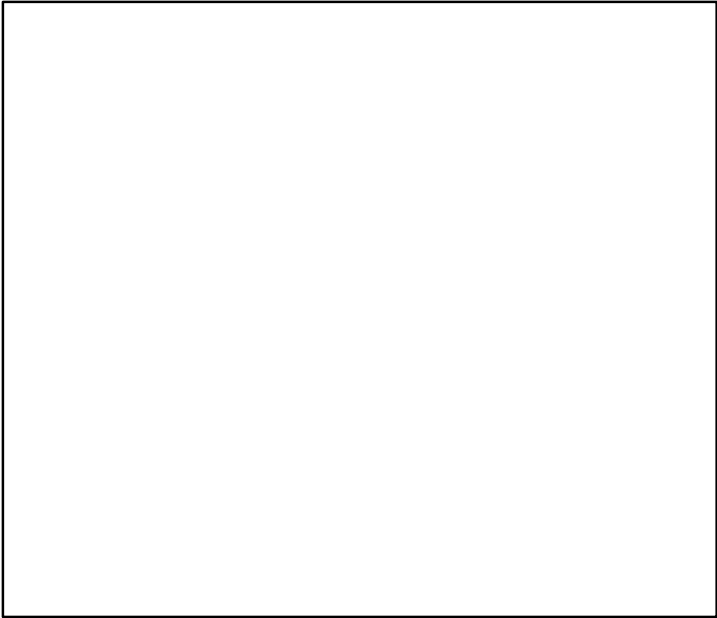
Kobe MGT*



Spawner Recruit*



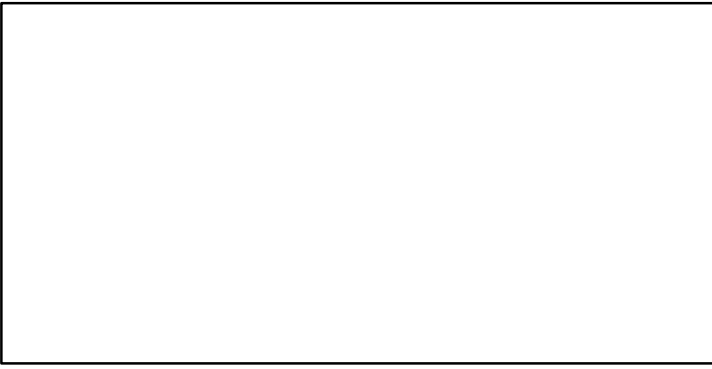
Production*



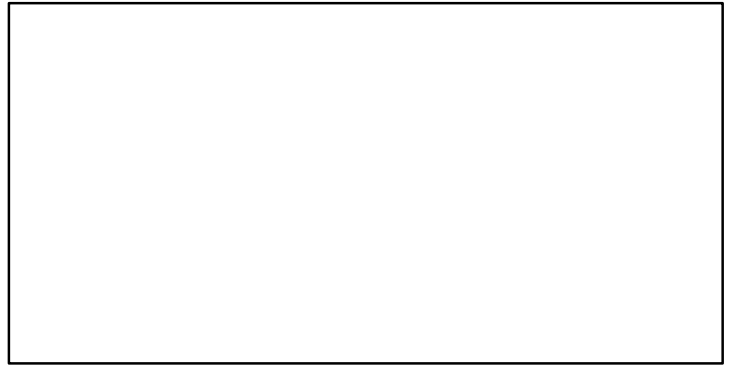
◆ Start Year ◆ End Year * No Data

Northern shrimp Nunavut/Nunavik West [PANDALNUNW]

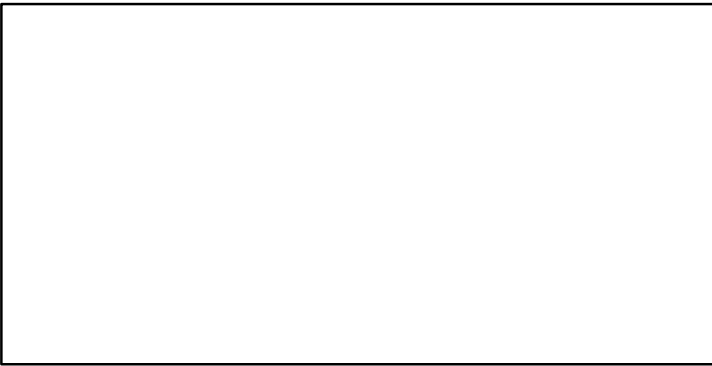
TB*



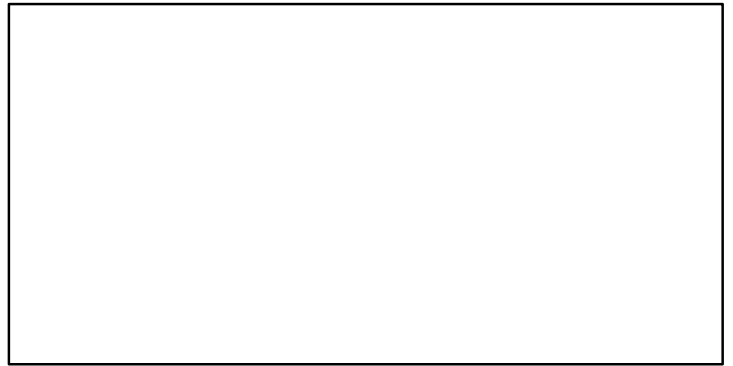
SSB*



TN *



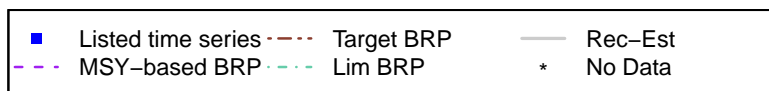
F*



ER*

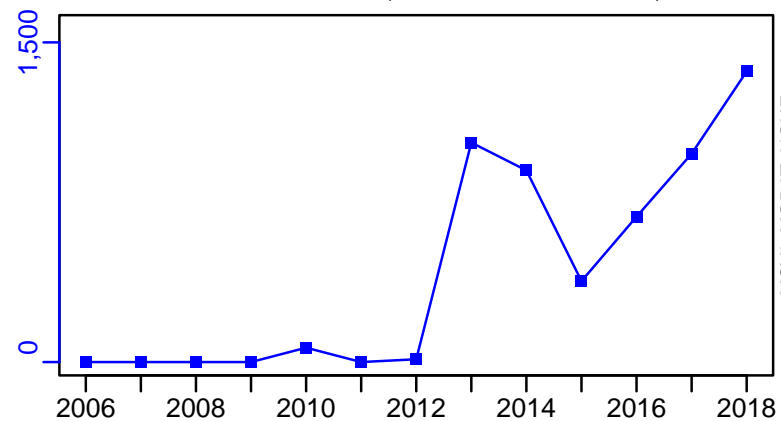


Recruits*

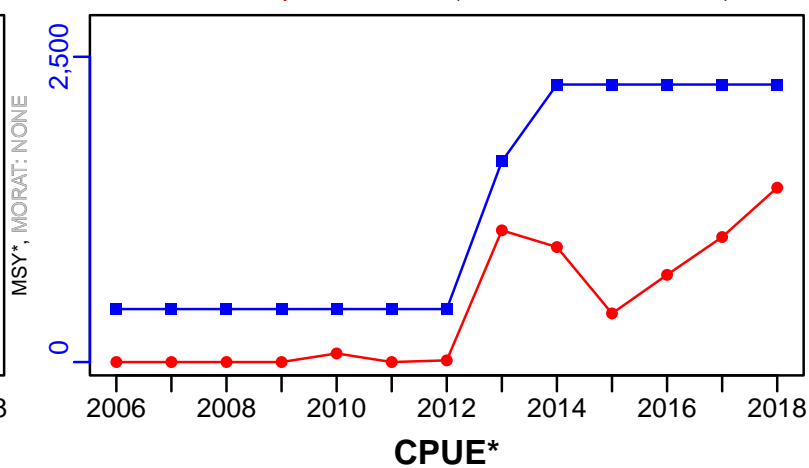


Northern shrimp Nunavut/Nunavik West [PANDALNUNW]

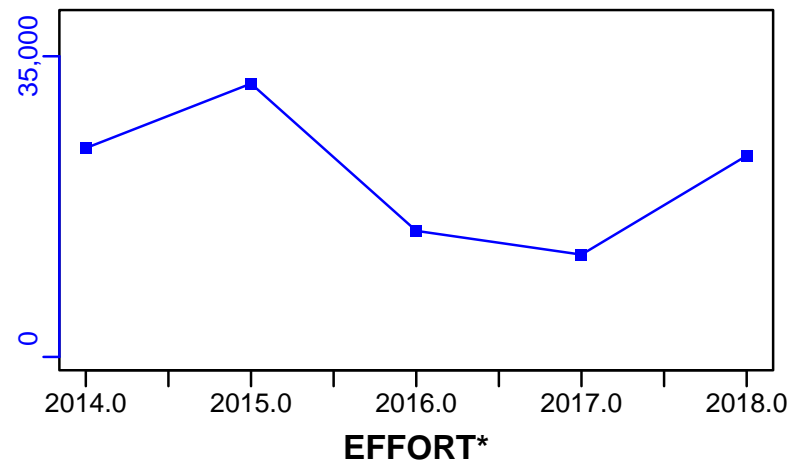
TL-MT, TC*, RecC* (2006-2018-ASHBROOK)



TAC-MT, Cpair-MT, Cadv* (2006-2018-ASHBROOK)



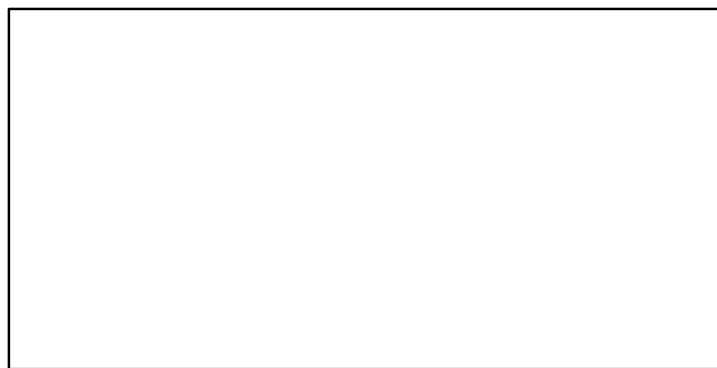
survB-MT (2006-2018-ASHBROOK)



CPUE*



CdivMSY*



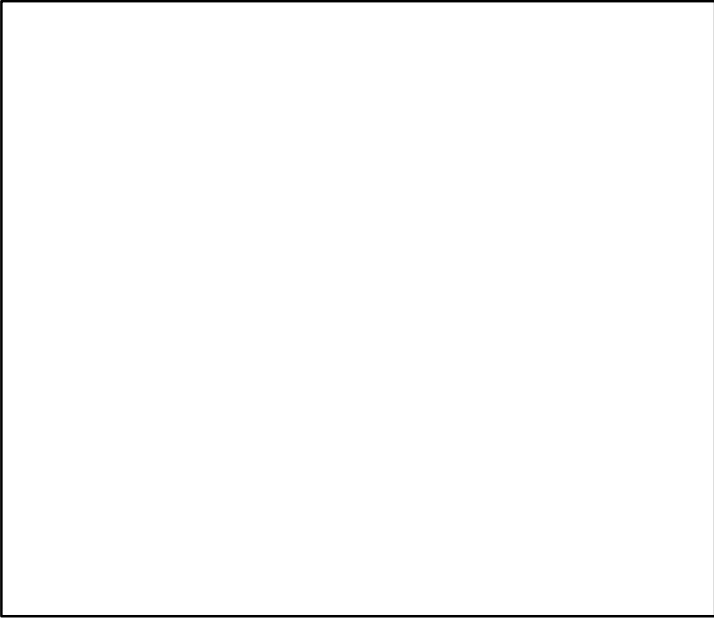
Northern shrimp Shrimp Fishing Area 10 [PANDALSFA10]

Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	DFO-QUE-PANDALSFA10-1974-2017-ASHBROOK
Area	Shrimp Fishing Area 10
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Asmts in RAM	2017

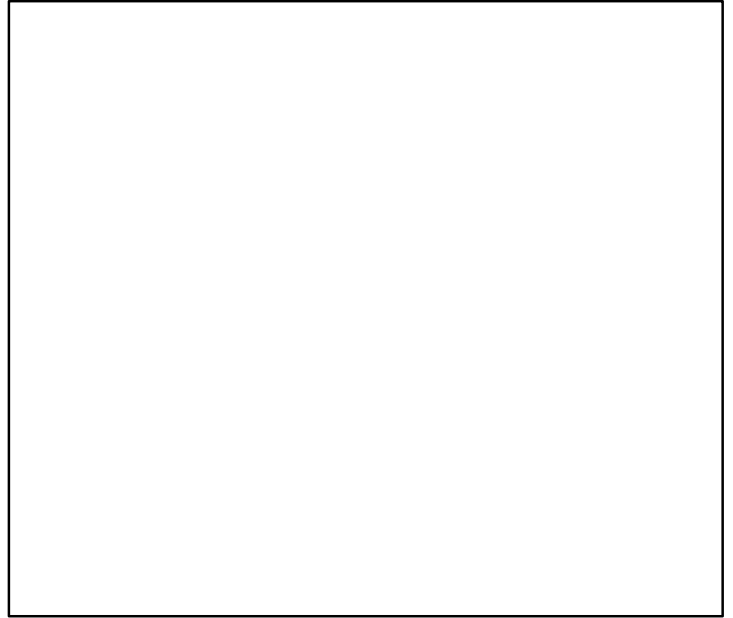
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2017	7352		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

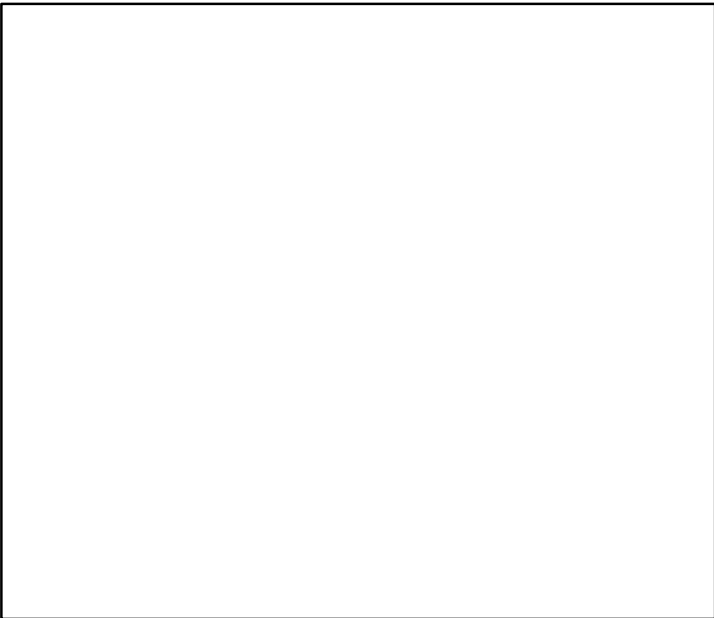
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*



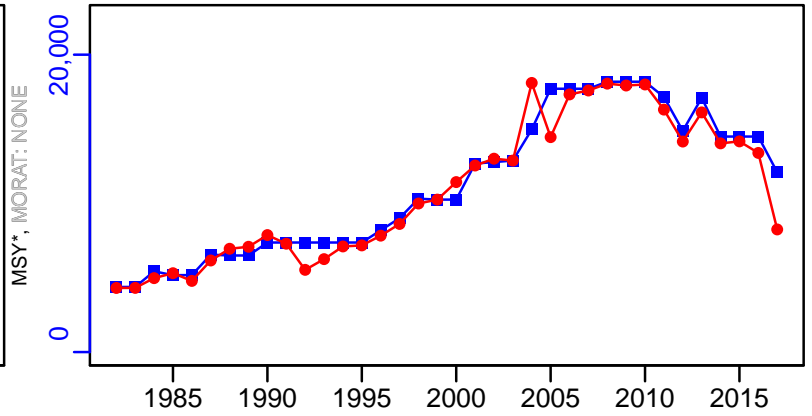
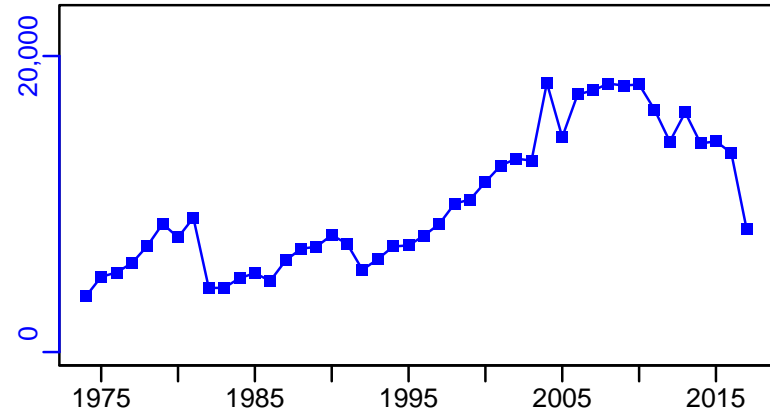
Recruits*



Northern shrimp Shrimp Fishing Area 10 [PANDALSFA10]

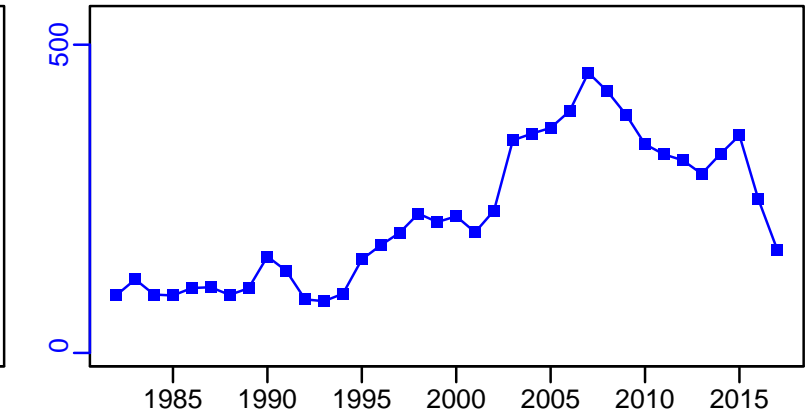
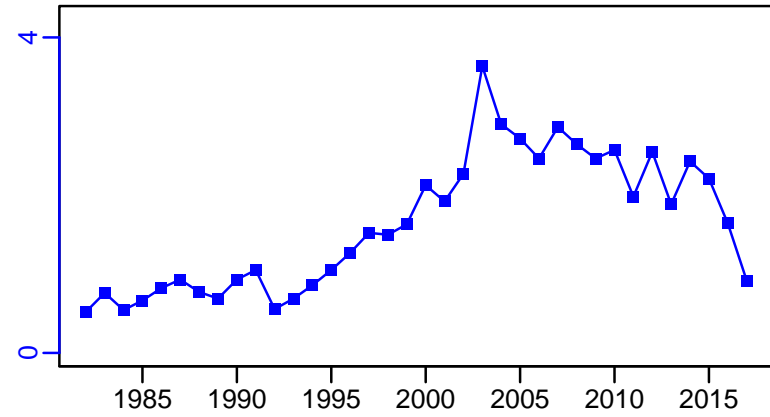
TL-MT, TC*, RecC* (1974-2017-ASHBROOK)

TAC-MT, Cpair-MT, Cadv* (1974-2017-ASHBROOK)



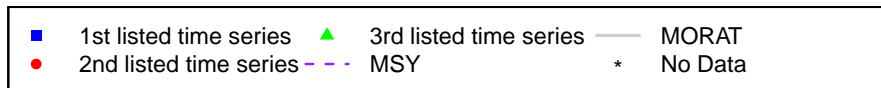
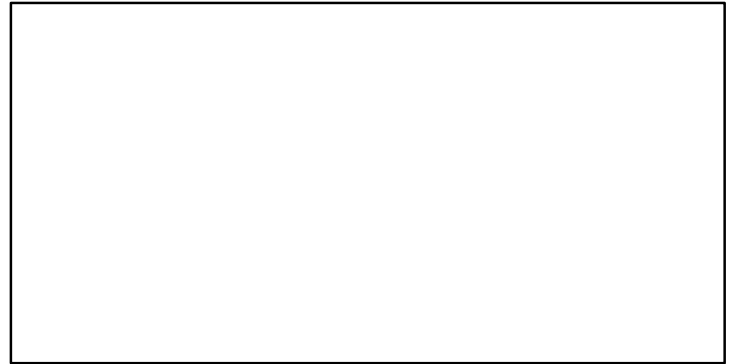
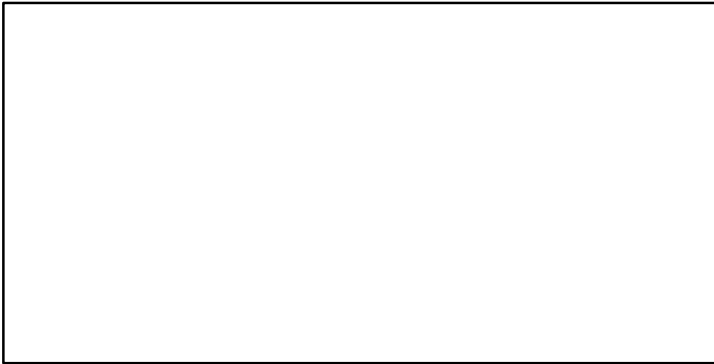
survB-index (1974-2017-ASHBROOK)

CPUE-index (1974-2017-ASHBROOK)



EFFORT*

CdivMSY*



Northern shrimp Shrimp Fishing Area 12 [PANDALSFA12]

Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	DFO-QUE-PANDALSFA12-1980-2017-ASHBROOK
Area	Shrimp Fishing Area 12
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Asmts in RAM	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	-	-	-		
TL	TL-MT	2017	903		
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

TB*



SSB*



TN *



F*



ER*

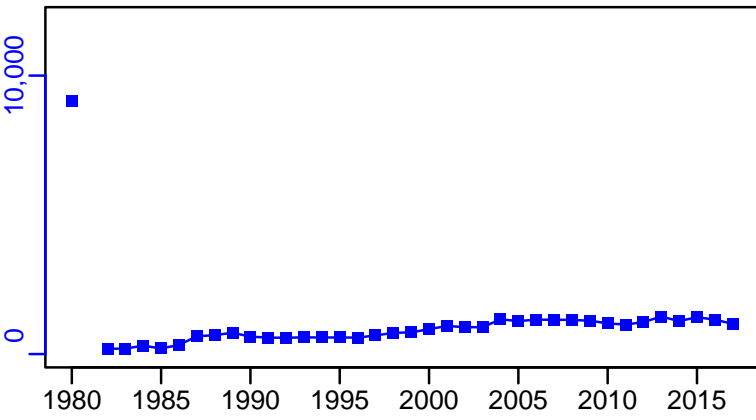


Recruits*

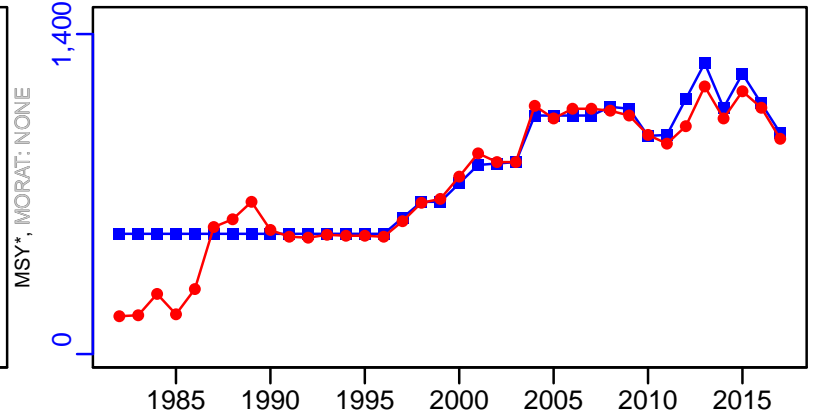


Northern shrimp Shrimp Fishing Area 12 [PANDALSFA12]

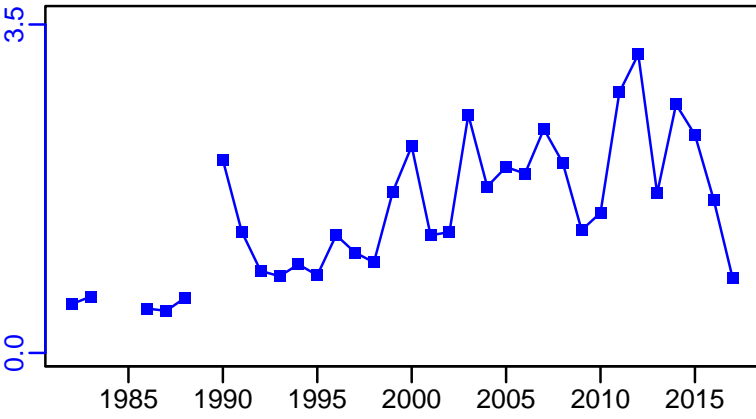
TL-MT, TC*, RecC* (1980-2017-ASHBROOK)



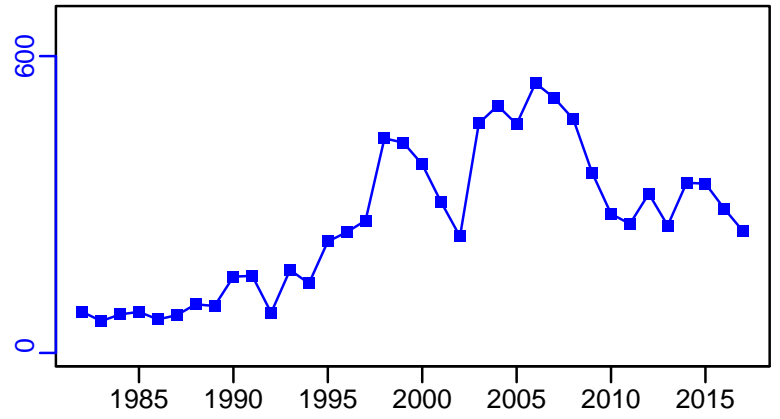
TAC-MT, Cpair-MT, Cadv* (1980-2017-ASHBROOK)



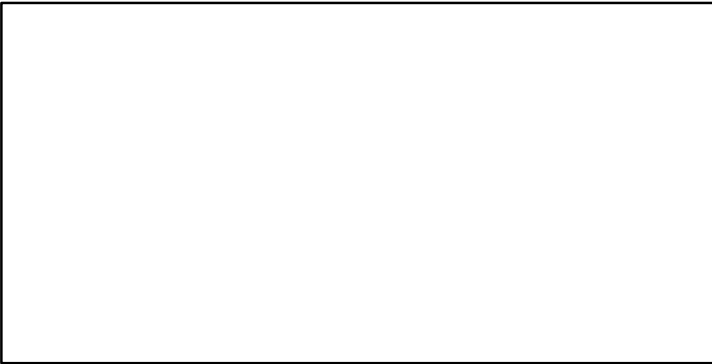
survB-index (1980-2017-ASHBROOK)



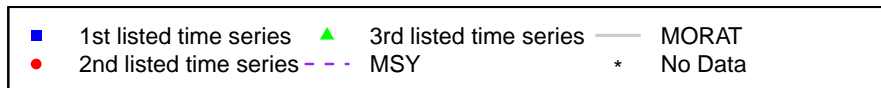
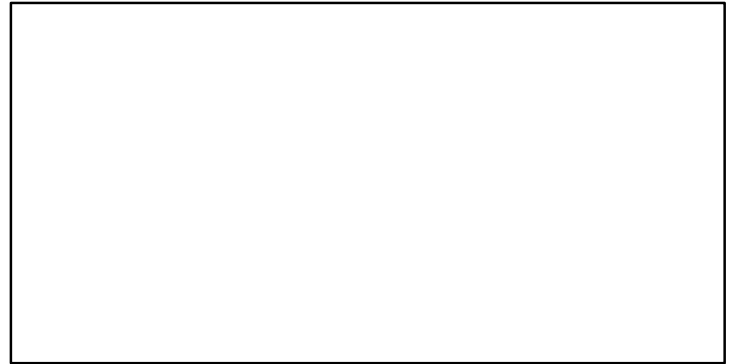
CPUE-index (1980-2017-ASHBROOK)



EFFORT*



CdivMSY*



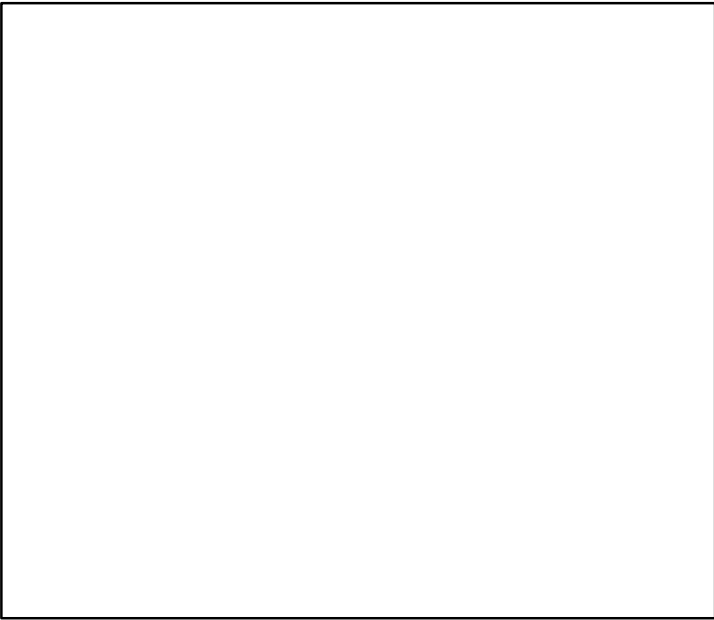
Northern shrimp Eastern Scotian Shelf (SFA 13-15) [PANDALSFA13-15]

Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	DFO-MAR-PANDALSFA13-15-1979-2018-ASHBROOK
Area	Eastern Scotian Shelf (SFA 13-15)
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Maritimes Region
Asmts in RAM	2011, 2018, 2012

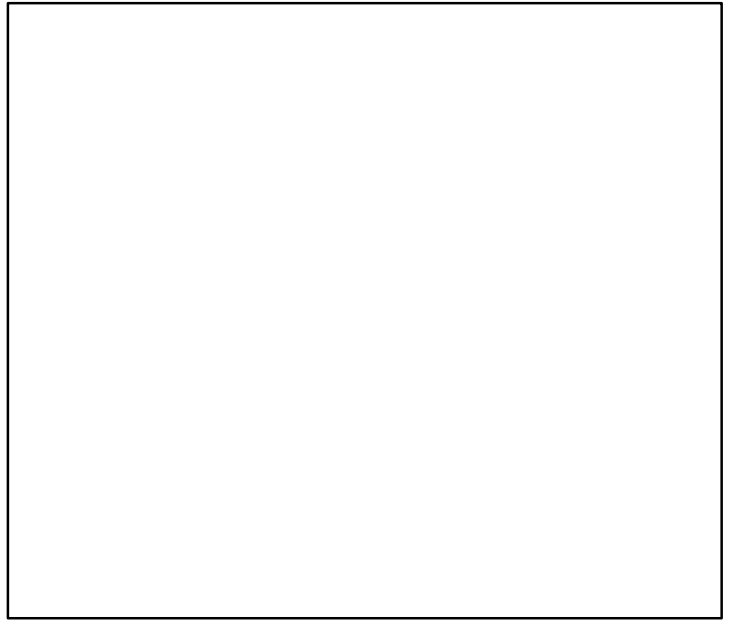
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2012	28,000	-	-
SSB	SSB-index	2011	16,800	Females	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2012	0.15	Both	-
TC	TC-MT	2012	3650		
TL	TL-MT	2018	2400		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

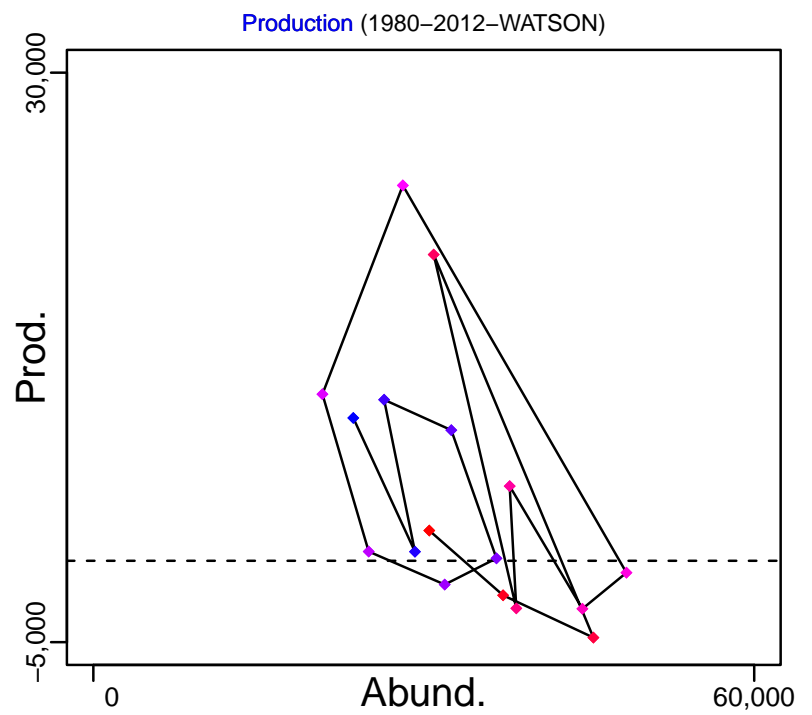
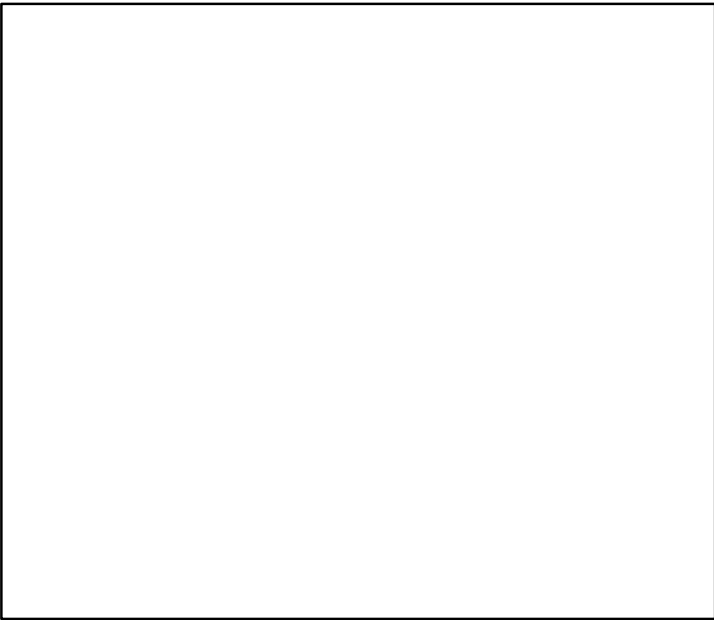
Kobe MSY*



Kobe MGT*



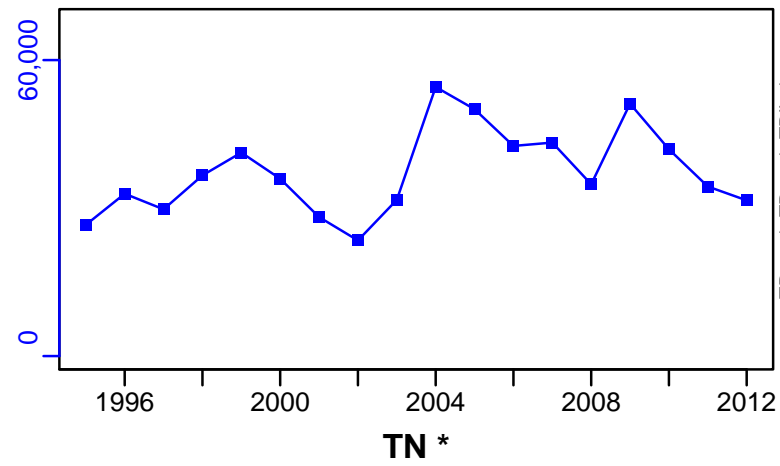
Spawner Recruit*



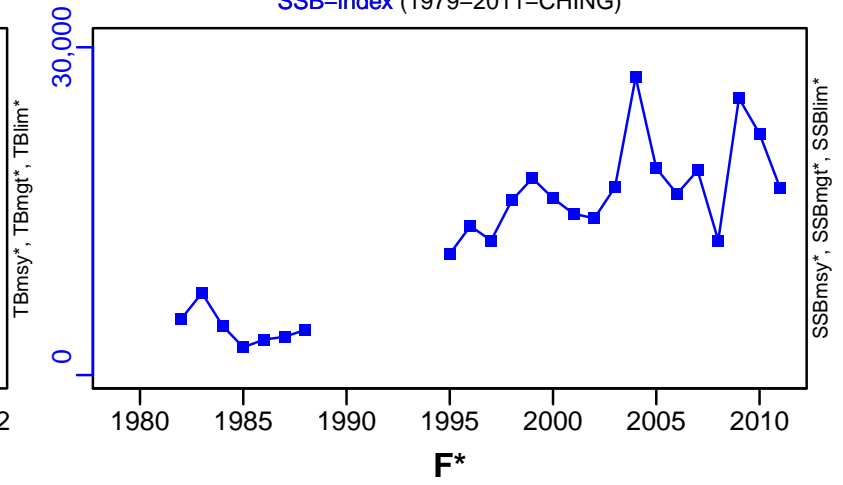
◆ Start Year ◆ End Year * No Data

Northern shrimp Eastern Scotian Shelf (SFA 13–15) [PANDALSFA13–15]

TB–MT (1980–2012–WATSON)

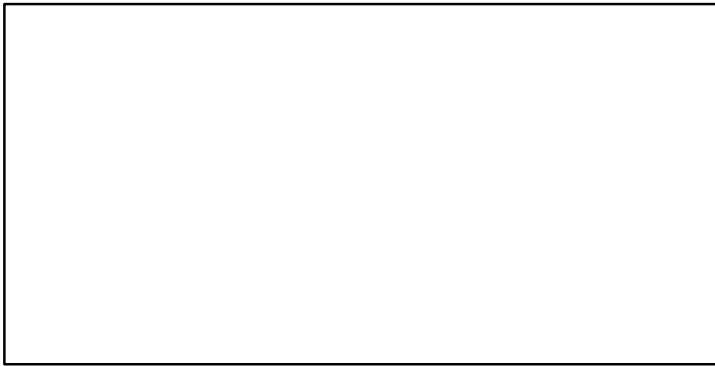


SSB–index (1979–2011–CHING)

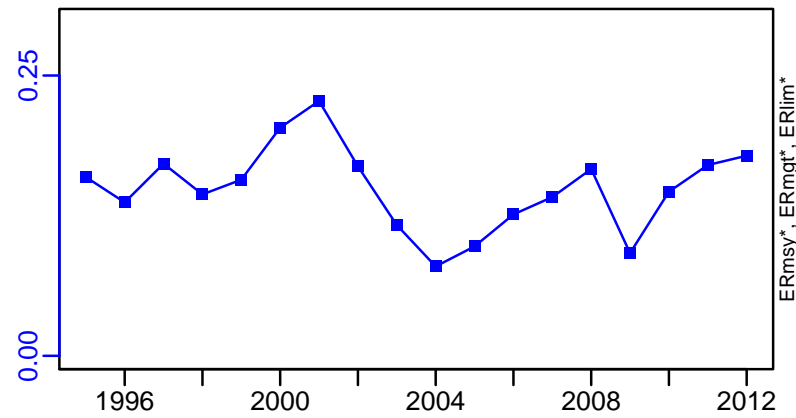


TN *

F*



ER–ratio (1980–2012–WATSON)



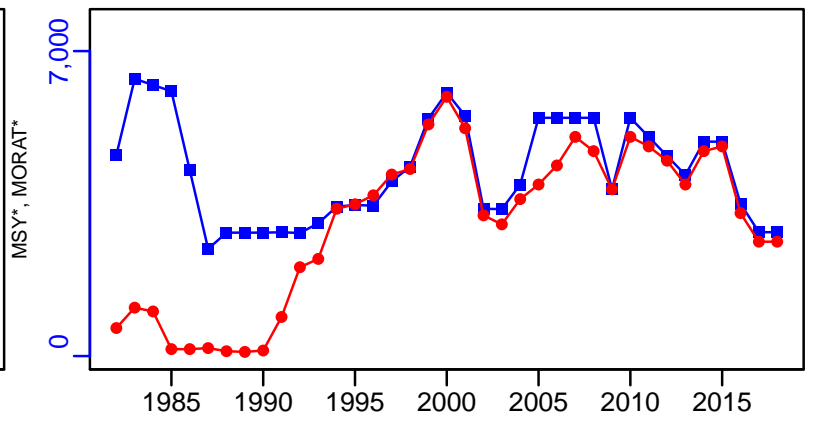
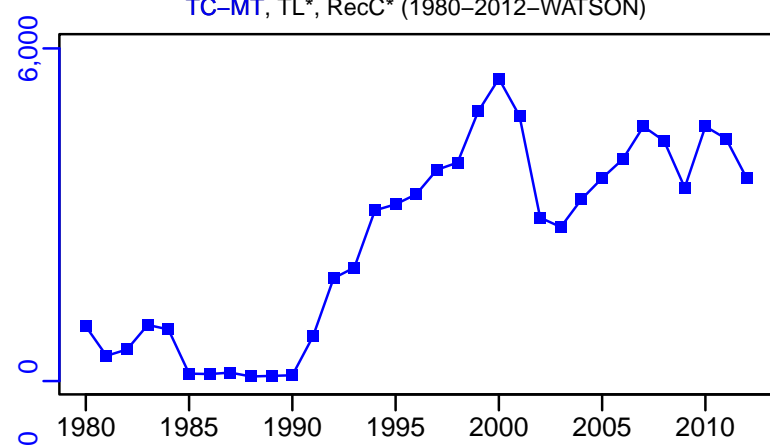
Recruits*



Northern shrimp Eastern Scotian Shelf (SFA 13–15) [PANDALSFA13–15]

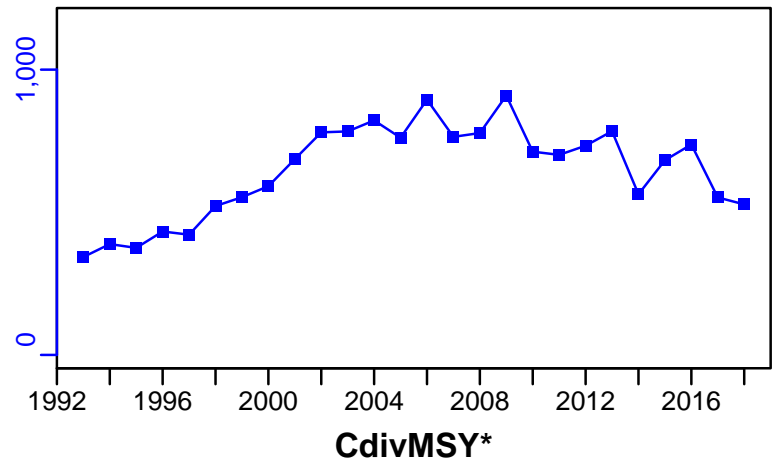
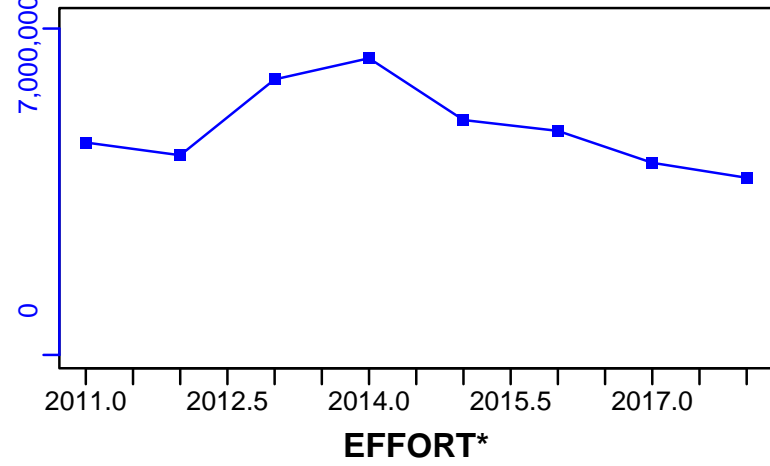
TC–MT, TL*, RecC* (1980–2012–WATSON)

TAC–MT, Cpair–MT, Cadv* (1979–2018–ASHBROOK)



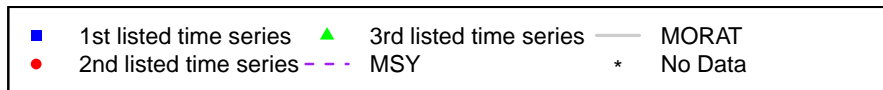
survB–E00 (1979–2018–ASHBROOK)

CPUE–index (1979–2018–ASHBROOK)



EFFORT*

CdivMSY*



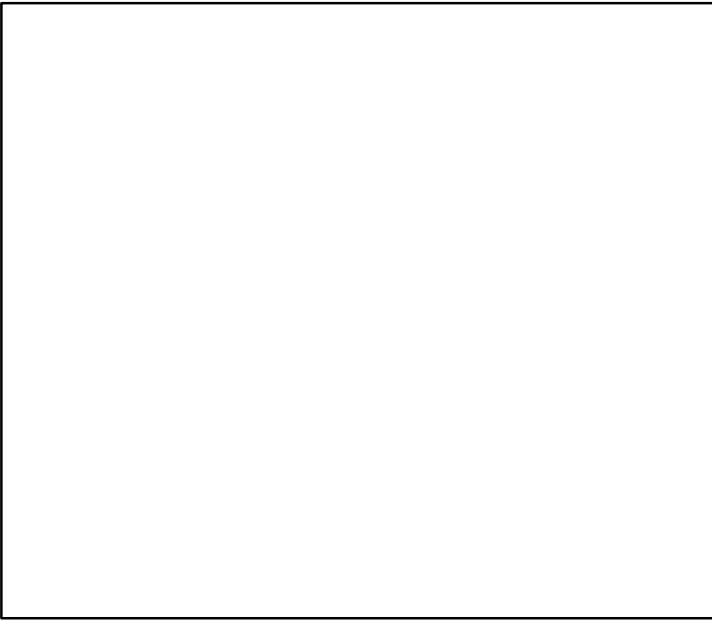
Northern shrimp Shrimp Fishing Areas 2-3 [PANDALSFA2-3]

Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	DFO-ARCTIC-PANDALSFA2-3-1979-2015-WATSON
Area	Shrimp Fishing Areas 2-3
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Arctic Region
Asmts in RAM	2015, 2010

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	TB-index	2015	108,000	-	-
SSB	SSB-index	2015	75,600	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2015	4760		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

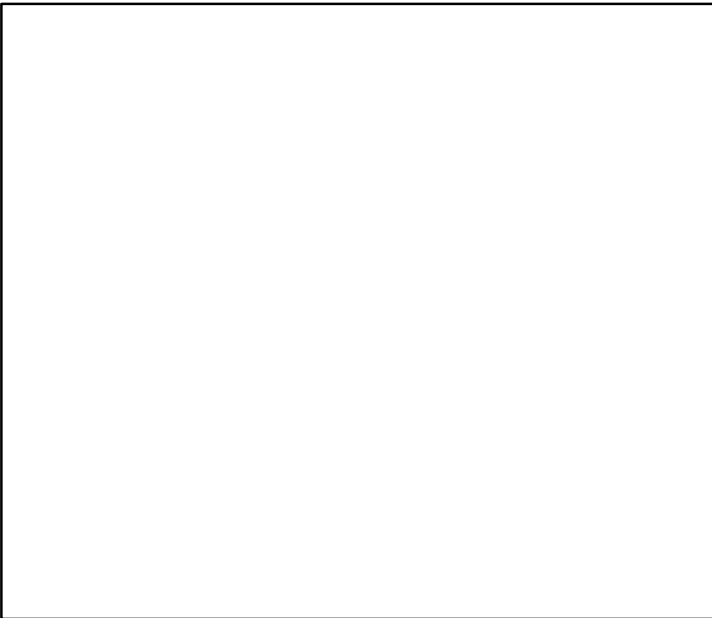
Kobe MSY*



Kobe MGT*



Spawner Recruit*



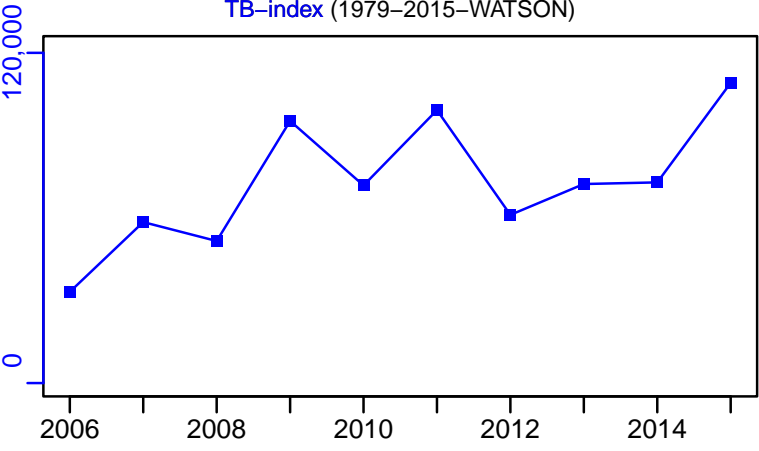
Production*



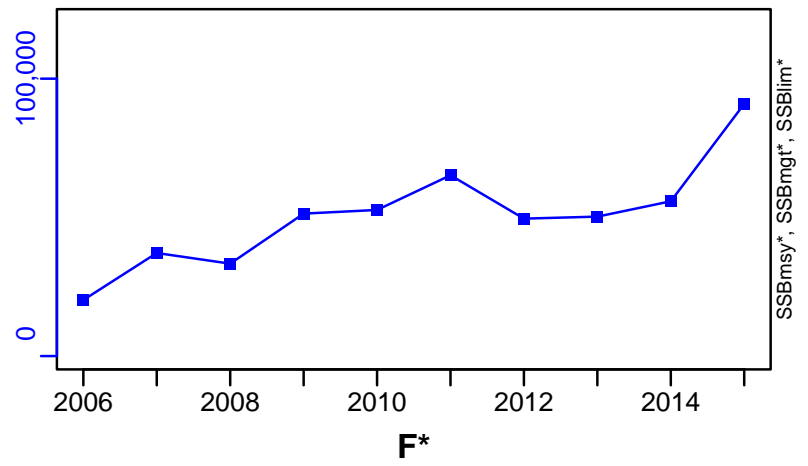
◆ Start Year ◆ End Year * No Data

Northern shrimp Shrimp Fishing Areas 2-3 [PANDALSFA2-3]

TB-index (1979-2015-WATSON)



SSB-index (1979-2015-WATSON)

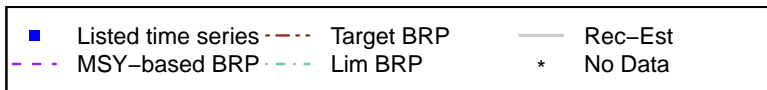


TN *

F*

ER*

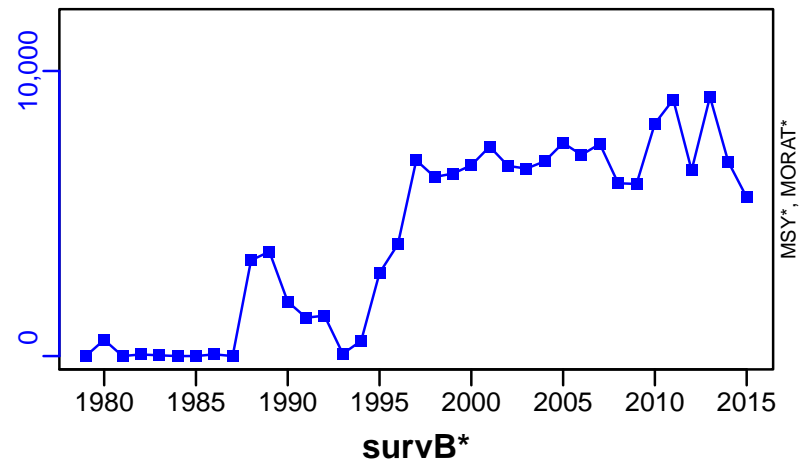
Recruits*



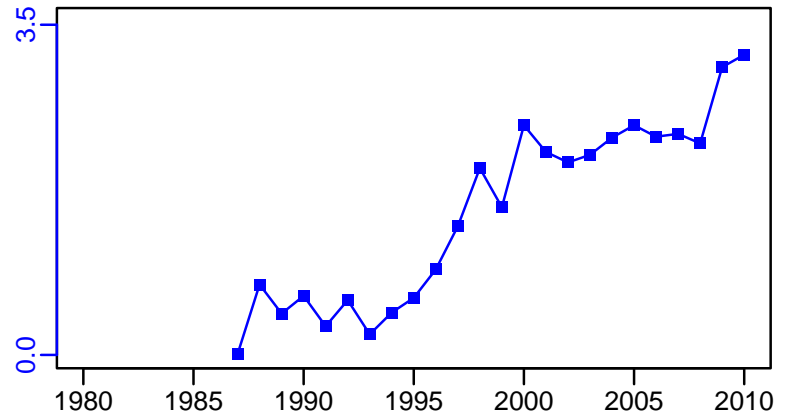
Northern shrimp Shrimp Fishing Areas 2-3 [PANDALSFA2-3]

TC-MT, TL*, RecC* (1979-2015-WATSON)

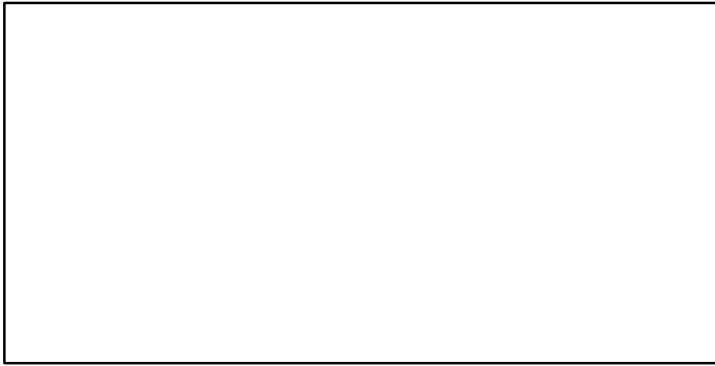
TAC*, Cpair*, Cadv*



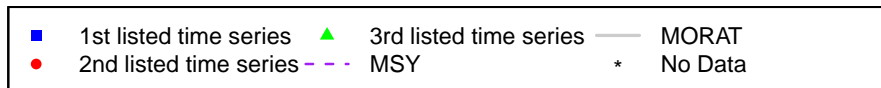
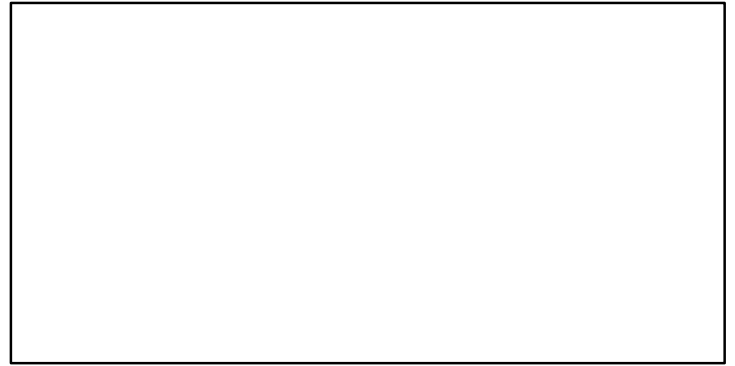
CPUE-MT/hour (1980-2010-CHING)



EFFORT*



CdivMSY*



Northern shrimp Shrimp Fishing Area 4 [PANDALSFA4]

Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	DFO-NFLD-PANDALSFA4-1978-2018-ASHBROOK
Area	Shrimp Fishing Area 4
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Newfoundland Region
Asmts in RAM	2018, 2012

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	2012	13,100		
TL	TL-MT	2018	15,016		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



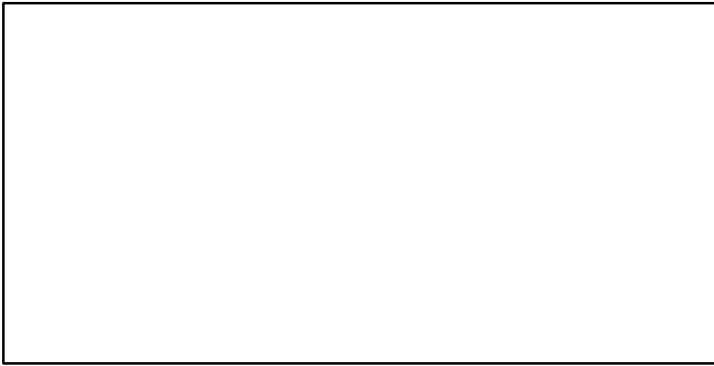
Production*



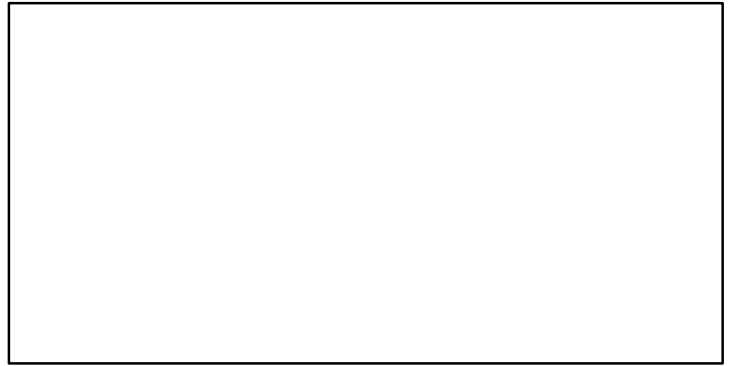
◆ Start Year ◆ End Year * No Data

Northern shrimp Shrimp Fishing Area 4 [PANDALSFA4]

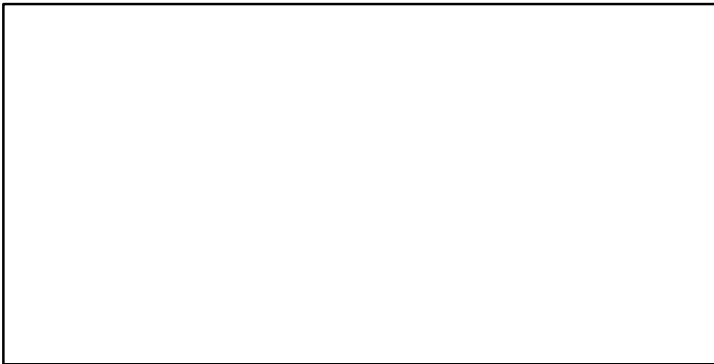
TB*



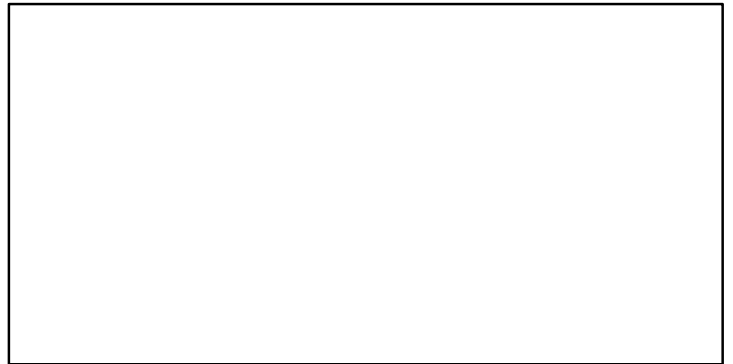
SSB*



TN *



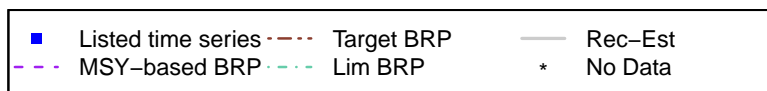
F*



ER*



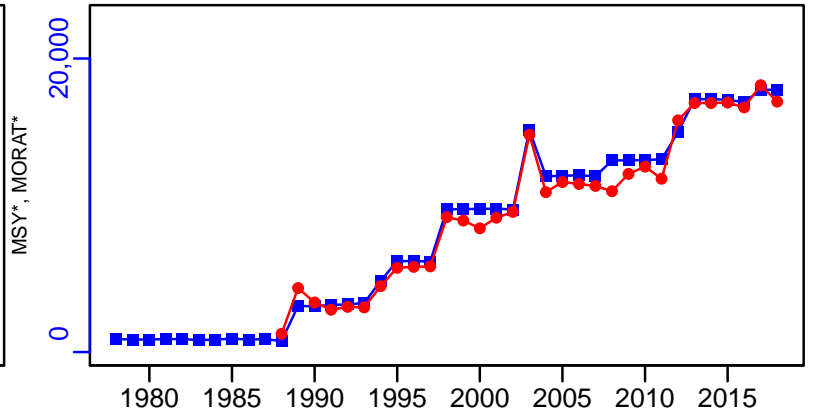
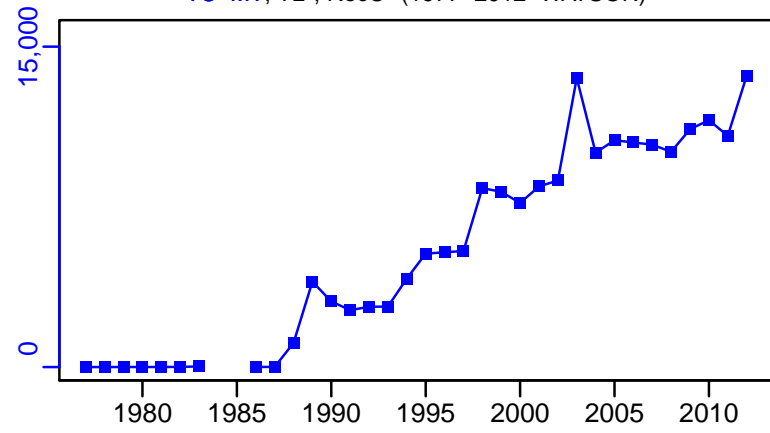
Recruits*



Northern shrimp Shrimp Fishing Area 4 [PANDALSFA4]

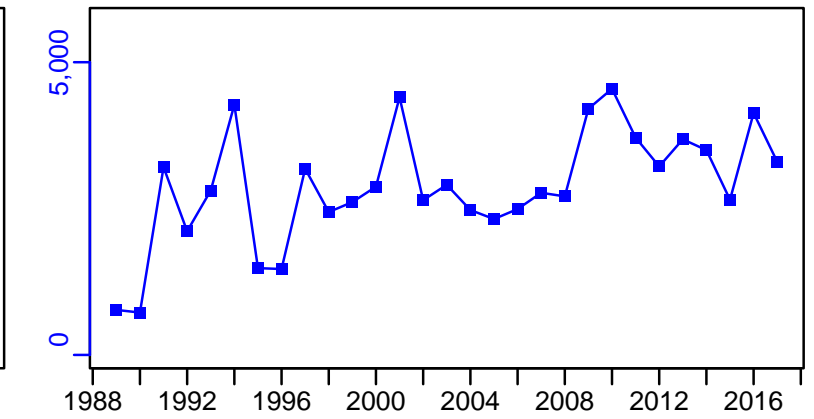
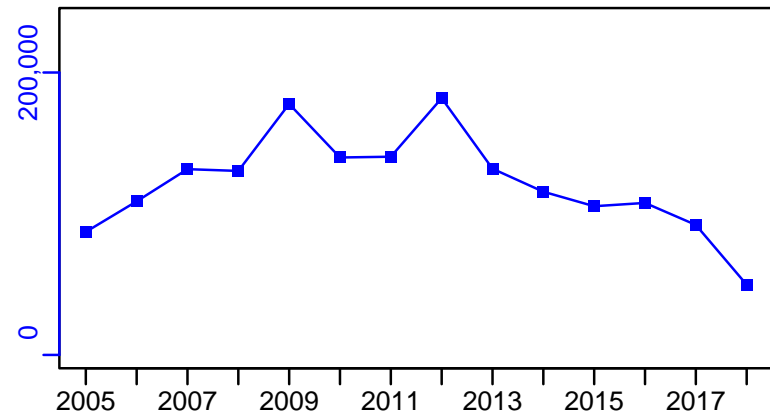
TC-MT, TL*, RecC* (1977-2012-WATSON)

TAC-MT, Cpair-MT, Cadv* (1978-2018-ASHBROOK)



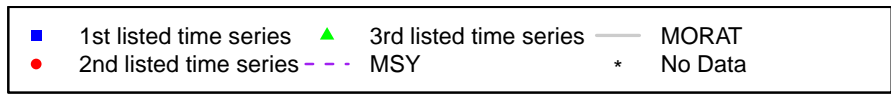
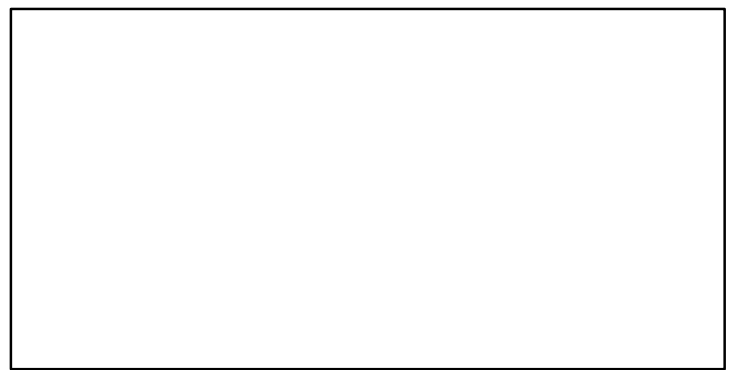
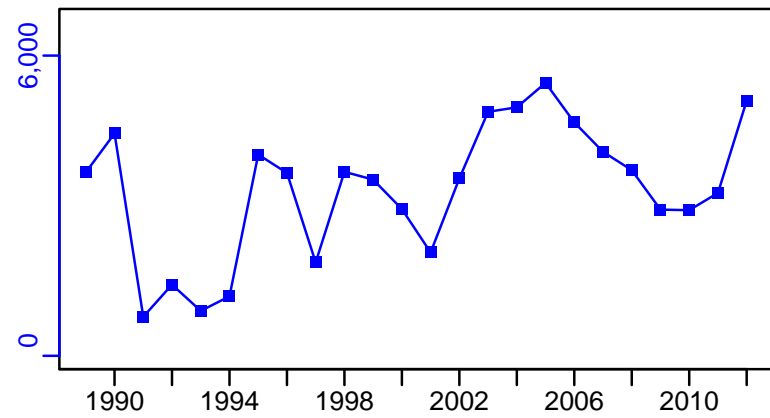
survB-MT (1978-2018-ASHBROOK)

CPUE-index (1978-2018-ASHBROOK)



EFFORT-hour (1977-2012-WATSON)

CdivMSY*



Northern shrimp Shrimp Fishing Area 5 [PANDALSFA5]

Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	DFO-NFLD-PANDALSFA5-1977-2018-ASHBROOK
Area	Shrimp Fishing Area 5
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Newfoundland Region
Asmts in RAM	2018, 2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2012	14,300
Flim	-	-	-
ERlim	-	-	-

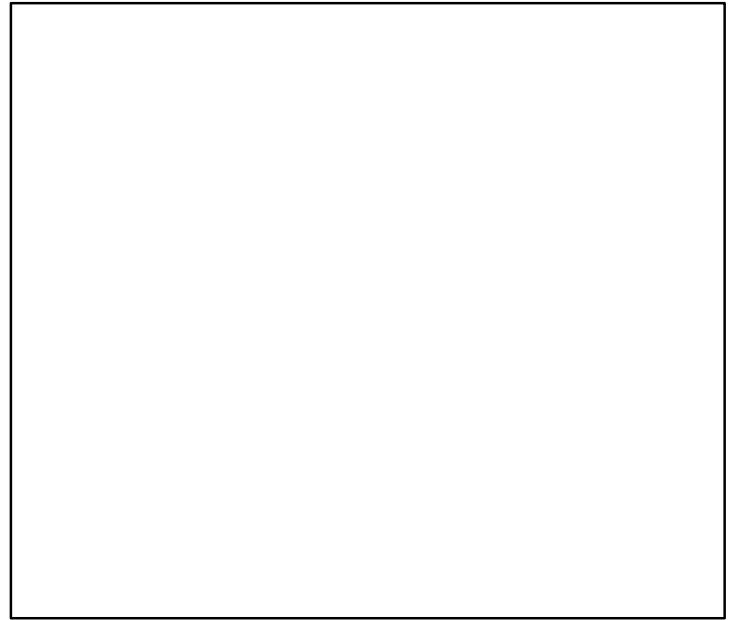
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2012	176,000	Both	-
SSB	SSB-MT	2012	63,000	-	-
TN	TN-E00	2012	4.38×10^{10}	-	-
R	R-E00	2012	1.3×10^{10}	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2012	0.103	-	-
TC	TC-MT	2012	18,100		
TL	TL-MT	2018	17,119		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Northern shrimp Shrimp Fishing Area 5 [PANDALSFA5]

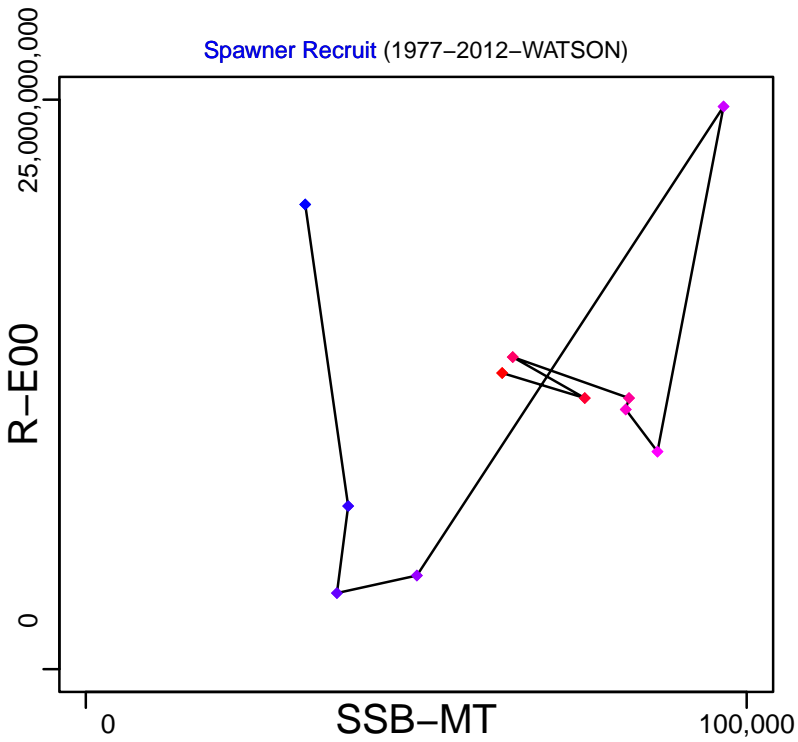
Kobe MSY*



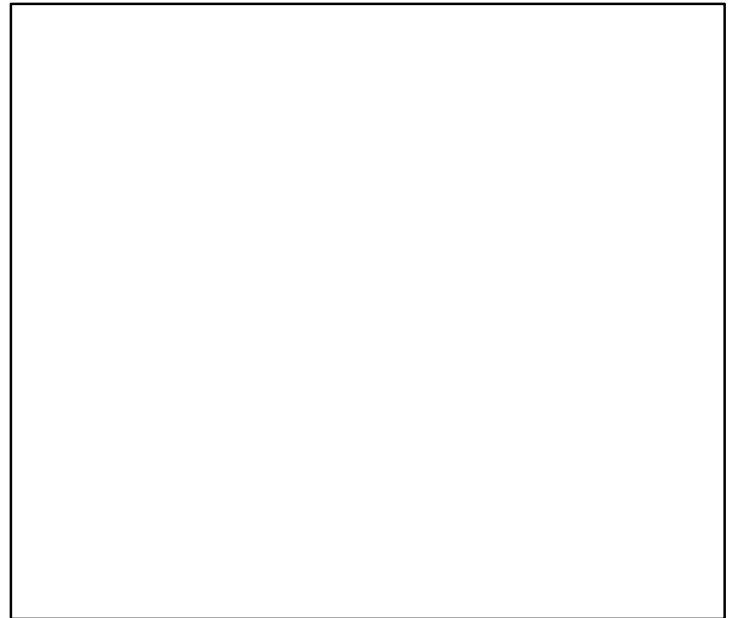
Kobe MGT*



Spawner Recruit (1977–2012–WATSON)



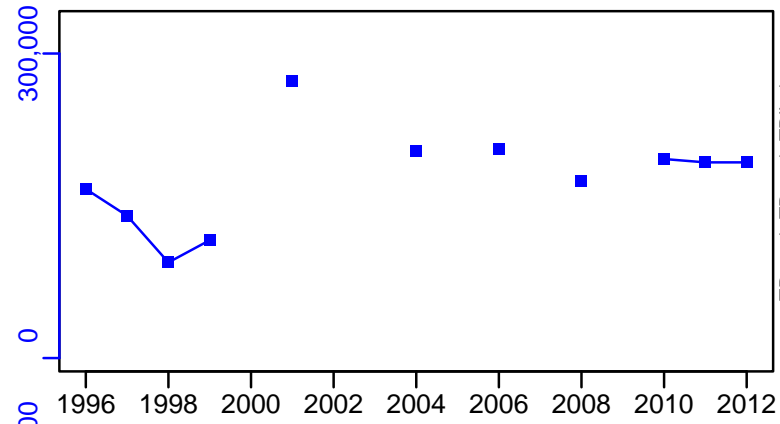
Production*



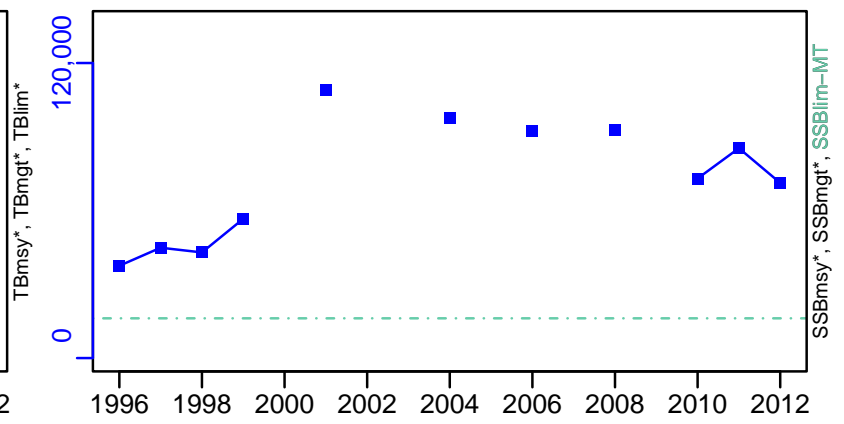
◆ Start Year ◆ End Year * No Data

Northern shrimp Shrimp Fishing Area 5 [PANDALSFA5]

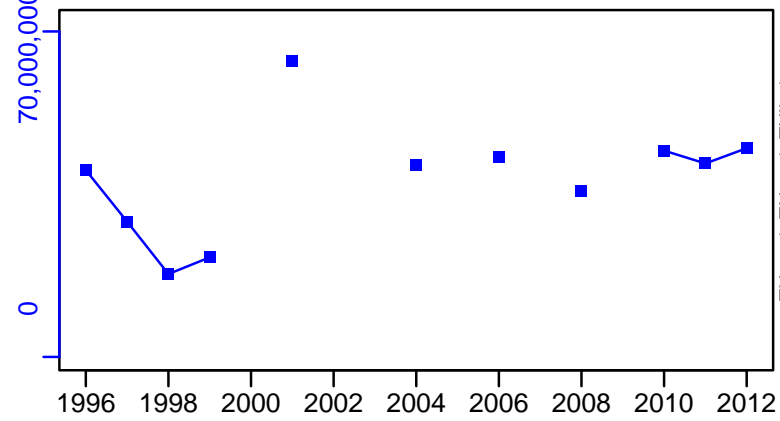
TB-MT (1977-2012-WATSON)



SSB-MT (1977-2012-WATSON)



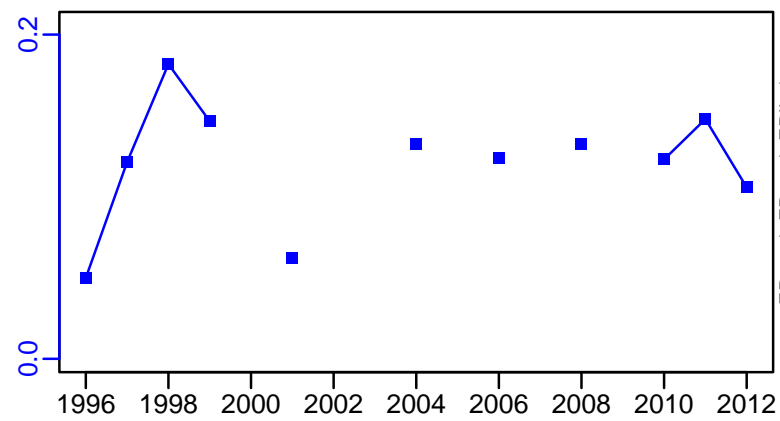
TN-E00 (1977-2012-WATSON)



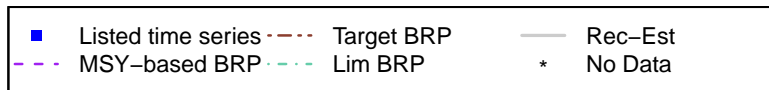
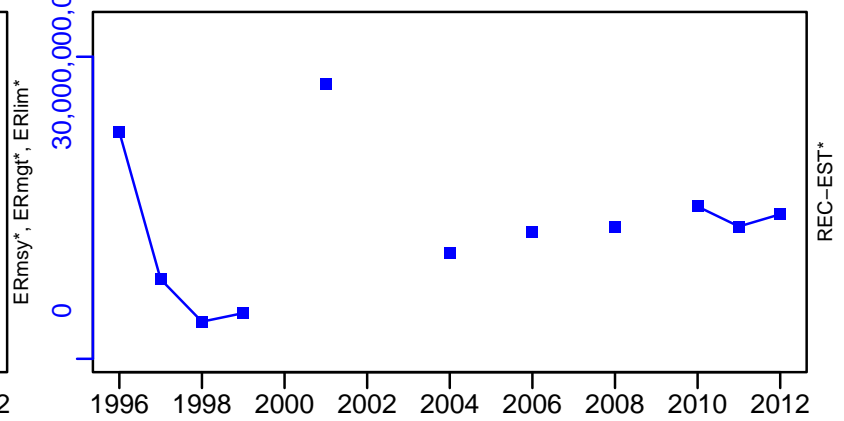
F*



ER-calc-ratio (1977-2012-WATSON)



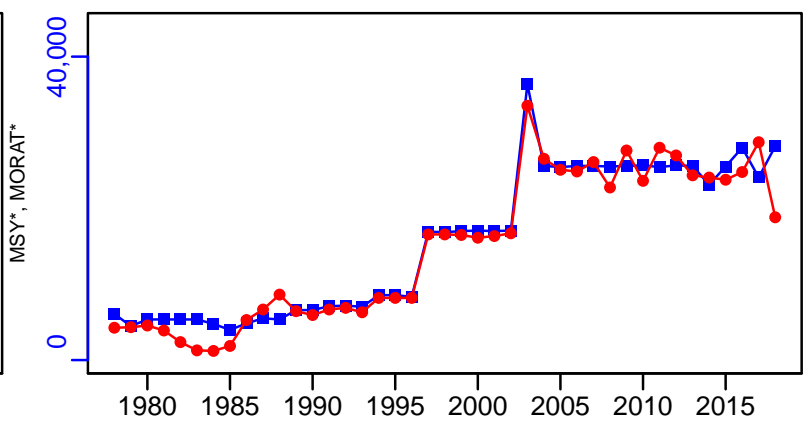
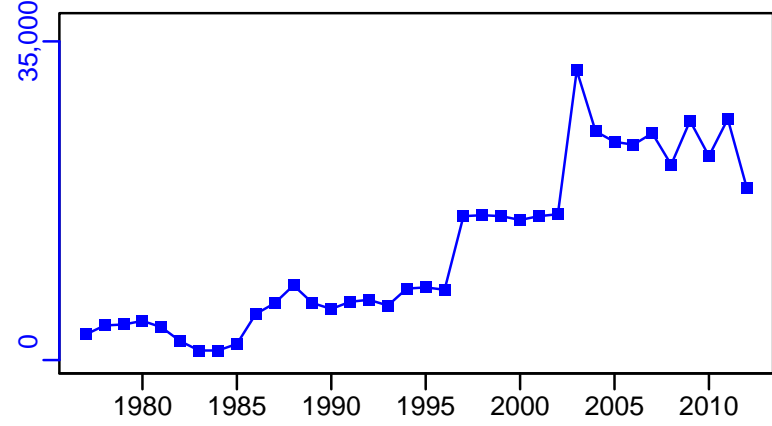
R-E00 (1977-2012-WATSON)



Northern shrimp Shrimp Fishing Area 5 [PANDALSFA5]

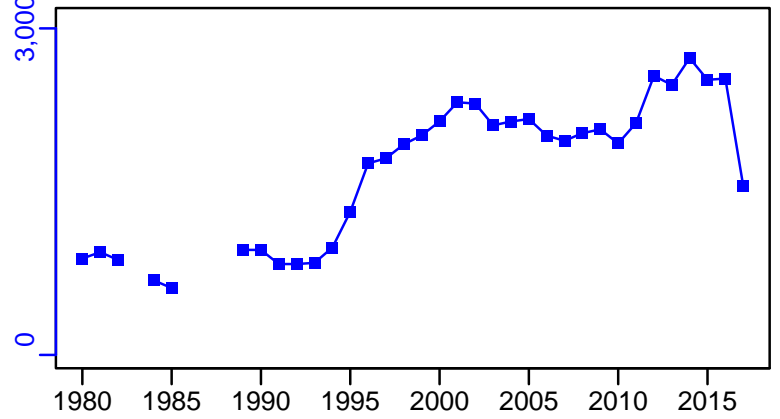
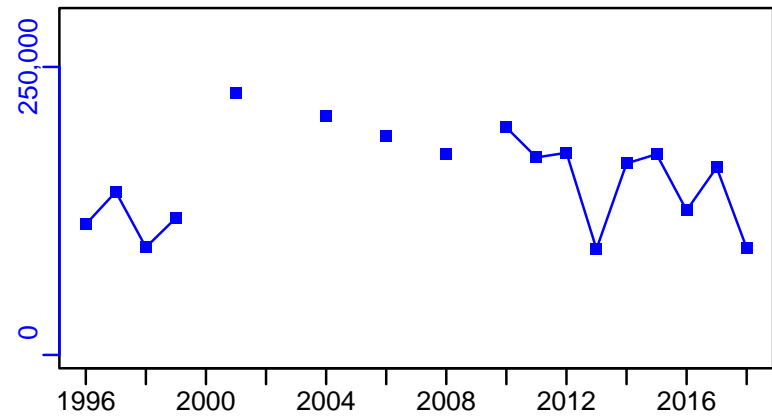
TC-MT, TL*, RecC* (1977-2012-WATSON)

TAC-MT, Cpair-MT, Cadv* (1977-2018-ASHBROOK)



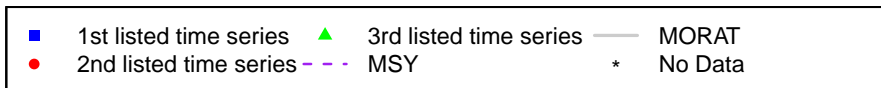
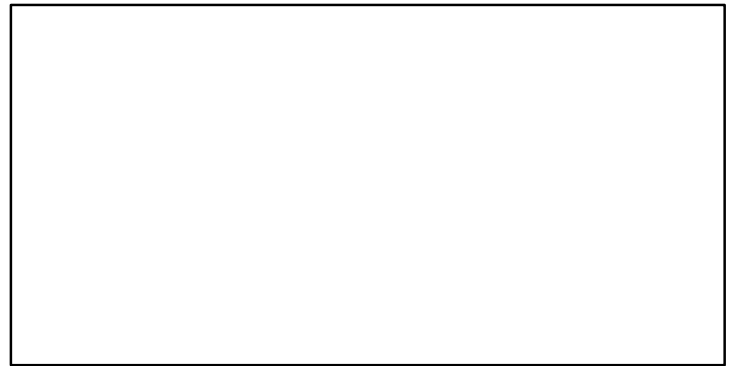
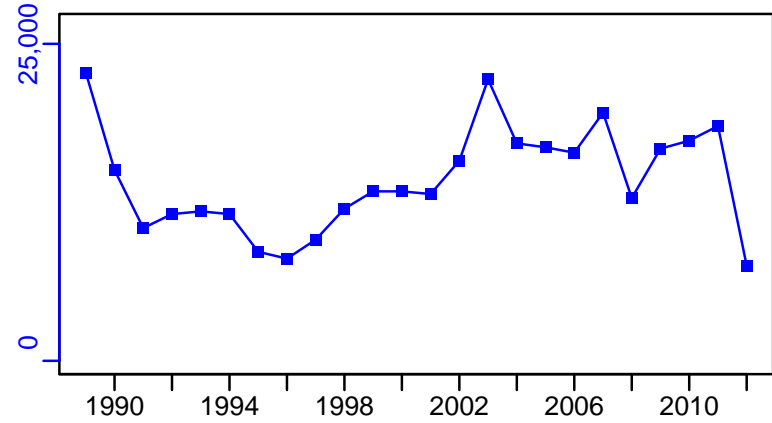
survB-MT (1977-2018-ASHBROOK)

CPUE-index (1977-2018-ASHBROOK)



EFFORT-hour (1977-2012-WATSON)

CdivMSY*



Northern shrimp Shrimp Fishing Area 6 [PANDALSFA6]

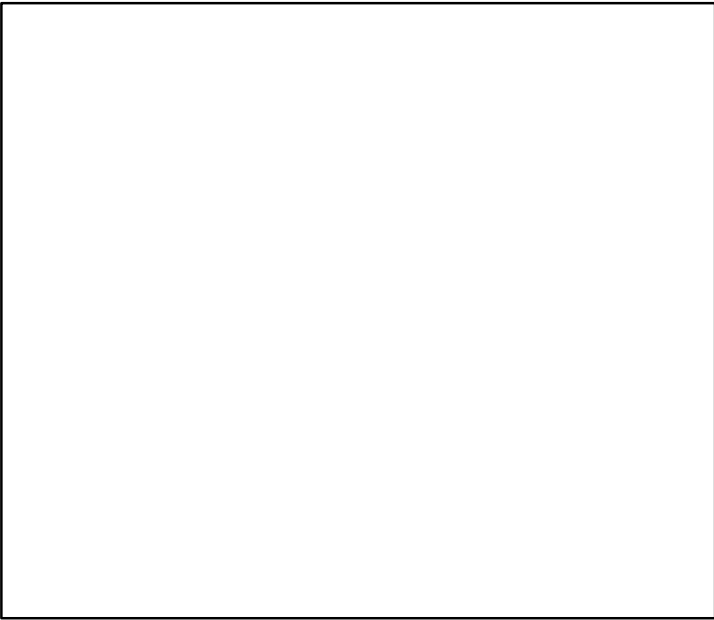
Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	DFO-NFLD-PANDALSFA6-1977-2018-ASHBROOK
Area	Shrimp Fishing Area 6
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Newfoundland Region
Asmts in RAM	2018, 2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2012	79,600
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2012	395,000	Both	-
SSB	SSB-MT	2012	187,000	-	-
TN	TN-E00	2012	9.29×10^{10}	-	-
R	R-E00	2012	3.14×10^{10}	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2012	0.129	-	-
TC	TC-MT	2012	51,000		
TL	TL-MT	2018	7300		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Northern shrimp Shrimp Fishing Area 6 [PANDALSFA6]

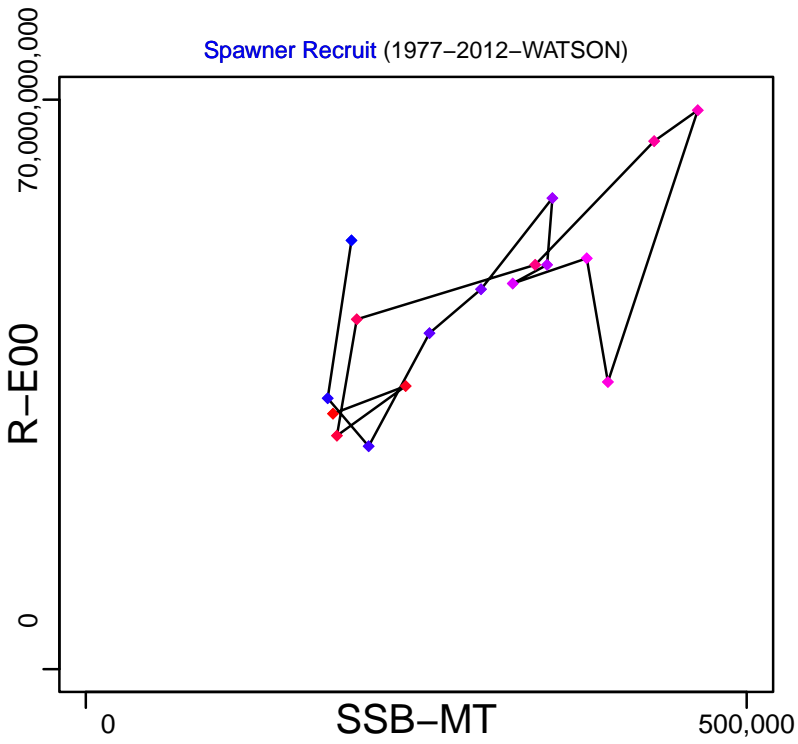
Kobe MSY*



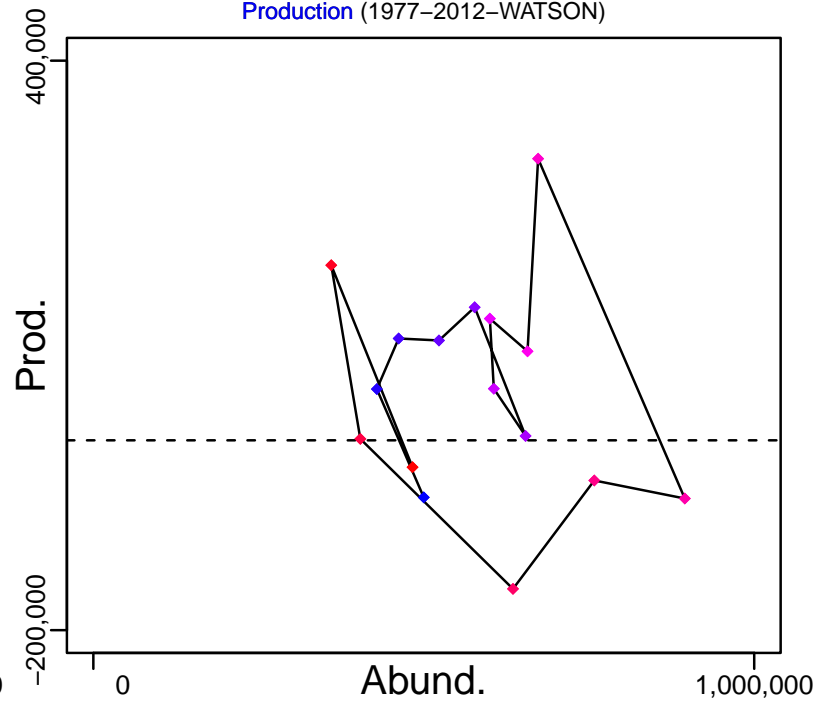
Kobe MGT*



Spawner Recruit (1977–2012–WATSON)



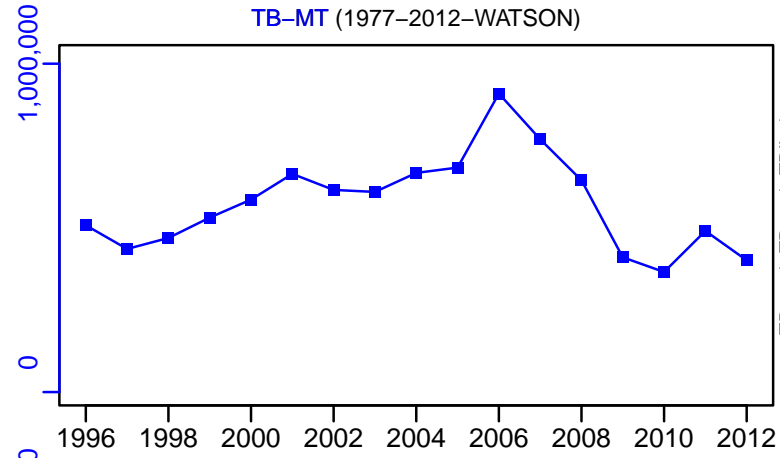
Production (1977–2012–WATSON)



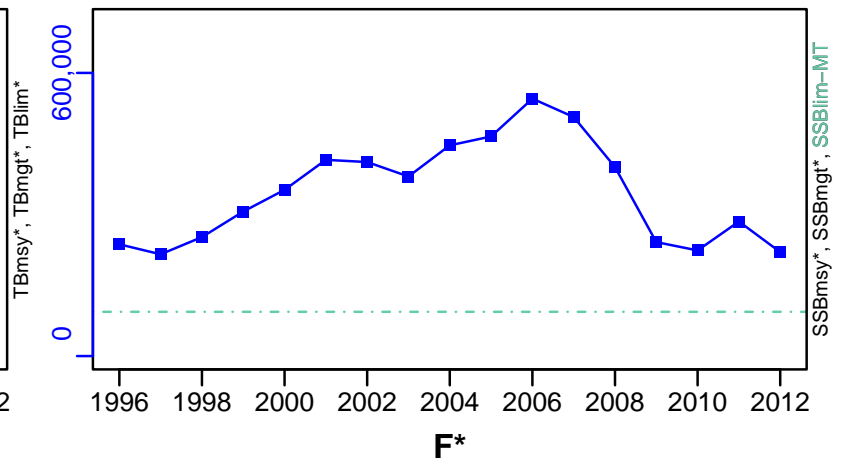
◆ Start Year ◆ End Year * No Data

Northern shrimp Shrimp Fishing Area 6 [PANDALSFA6]

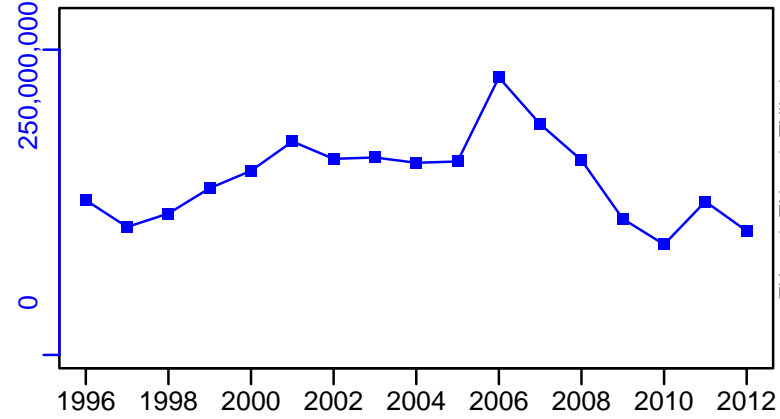
TB-MT (1977-2012-WATSON)



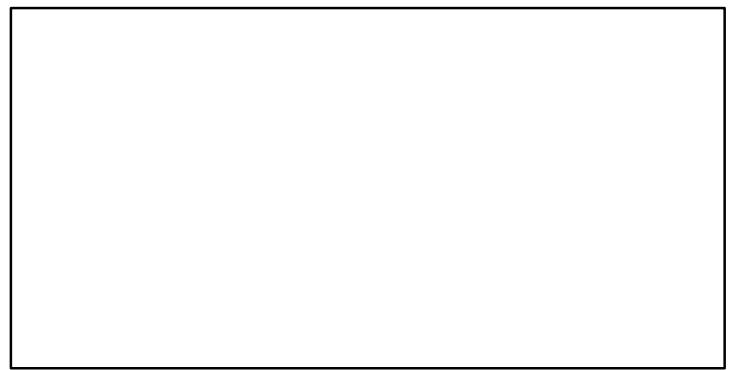
SSB-MT (1977-2012-WATSON)



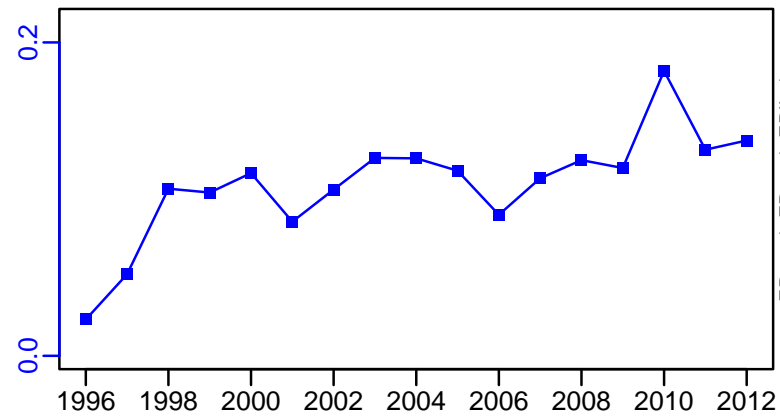
TN-E00 (1977-2012-WATSON)



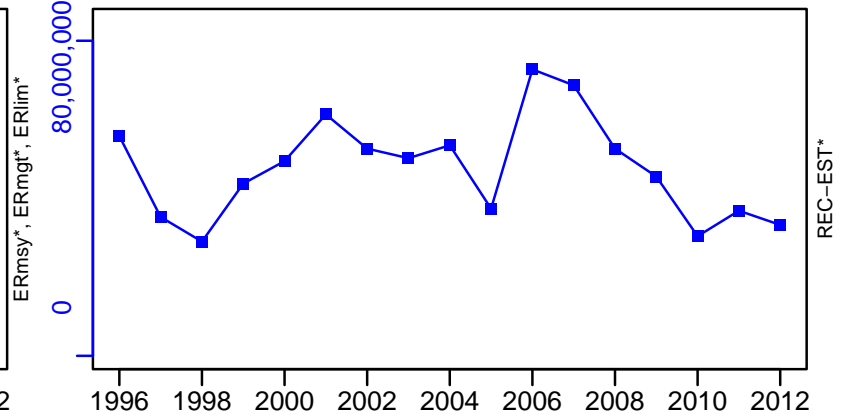
F*



ER-calc-ratio (1977-2012-WATSON)

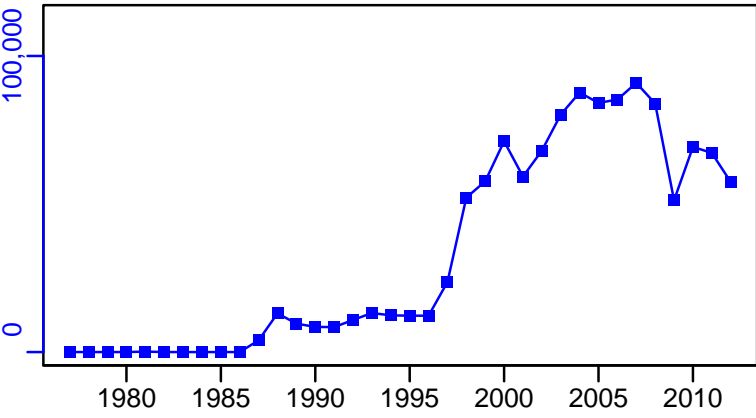


R-E00 (1977-2012-WATSON)

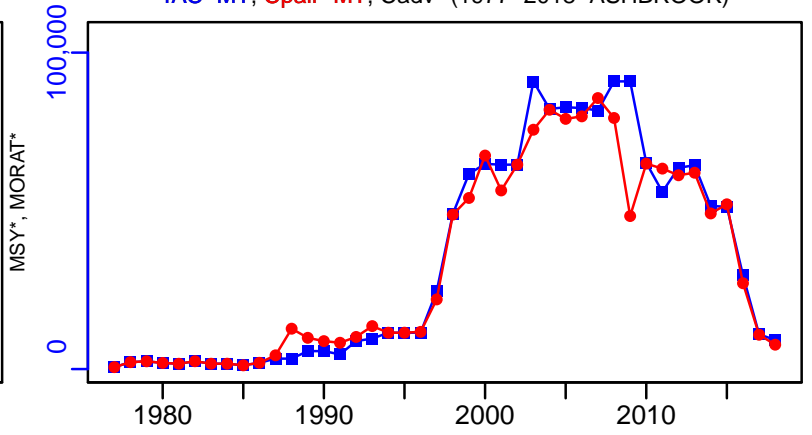


Northern shrimp Shrimp Fishing Area 6 [PANDALSFA6]

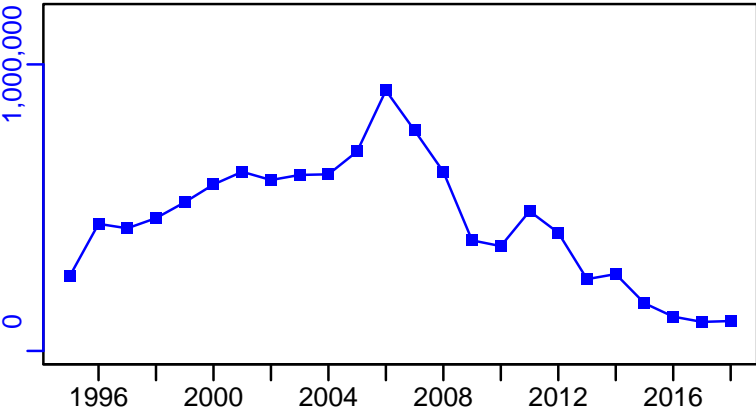
TC-MT, TL*, RecC* (1977-2012-WATSON)



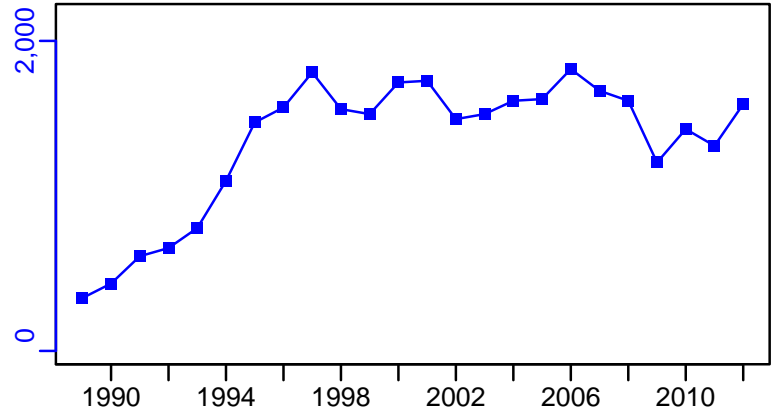
TAC-MT, Cpair-MT, Cadv* (1977-2018-ASHBROOK)



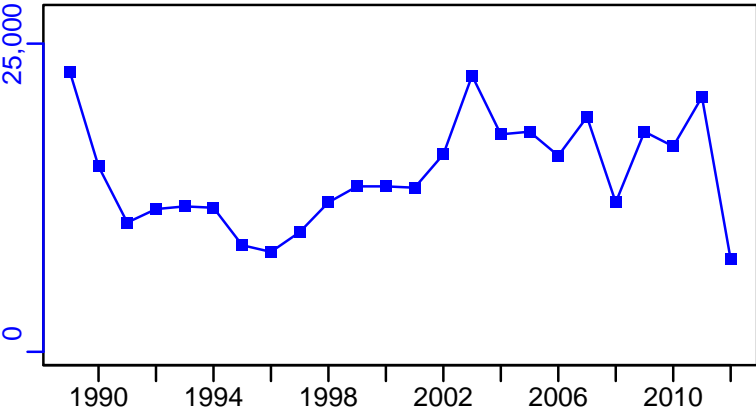
survB-MT (1977-2018-ASHBROOK)



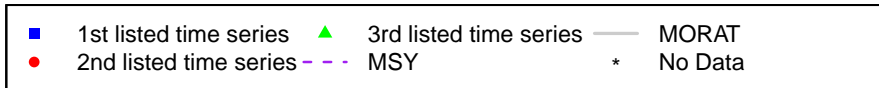
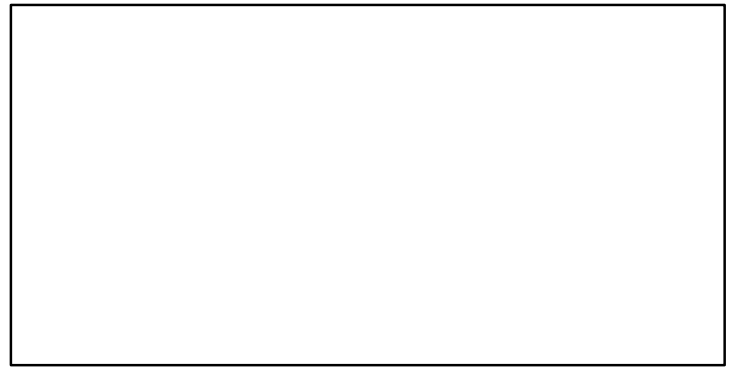
CPUE-index (1977-2012-WATSON)



EFFORT-hour (1977-2012-WATSON)



CdivMSY*



Northern shrimp Shrimp Fishing Area 8 [PANDALSFA8]

Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	DFO-QUE-PANDALSFA8-1970-2017-ASHBROOK
Area	Shrimp Fishing Area 8
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Asmts in RAM	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	-	-	-		
TL	TL-MT	2017	7118		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



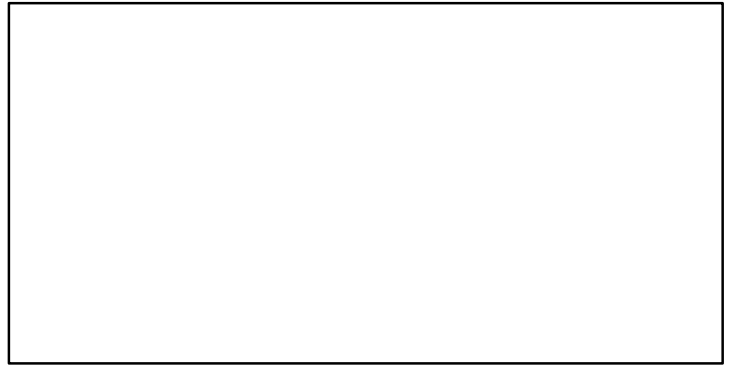
◆ Start Year ◆ End Year * No Data

Northern shrimp Shrimp Fishing Area 8 [PANDALSFA8]

TB*



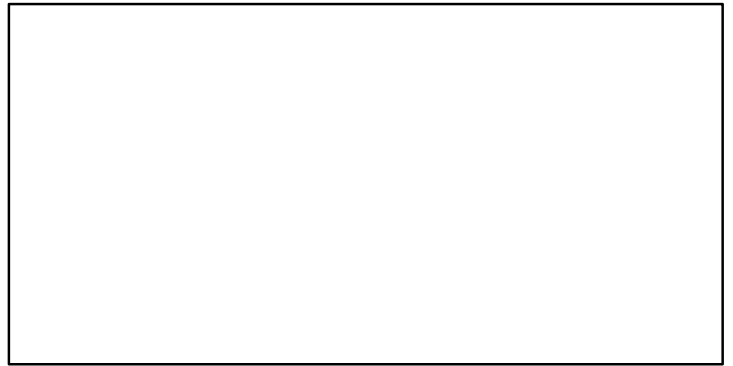
SSB*



TN *



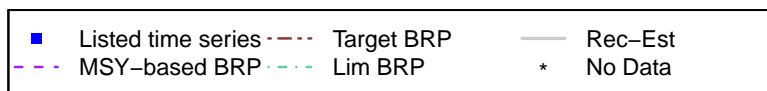
F*



ER*

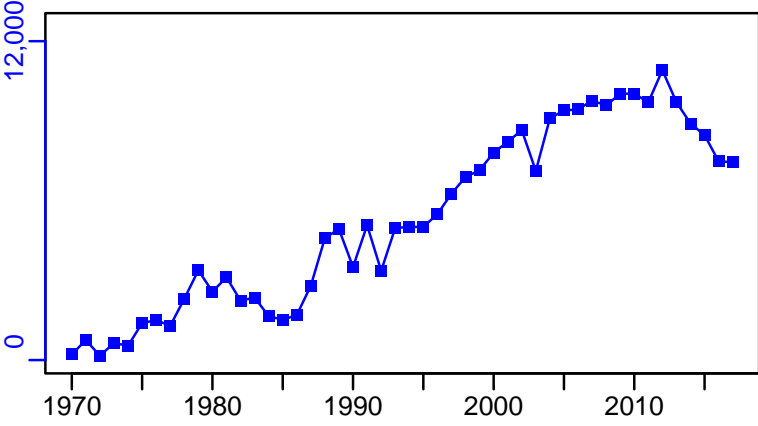


Recruits*

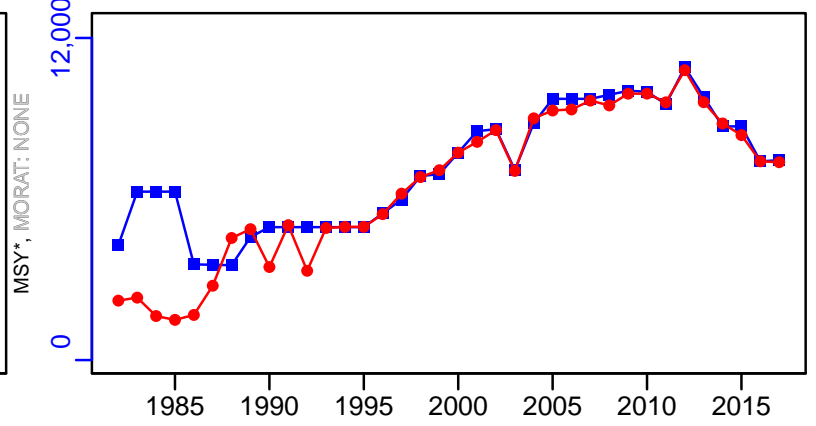


Northern shrimp Shrimp Fishing Area 8 [PANDALSFA8]

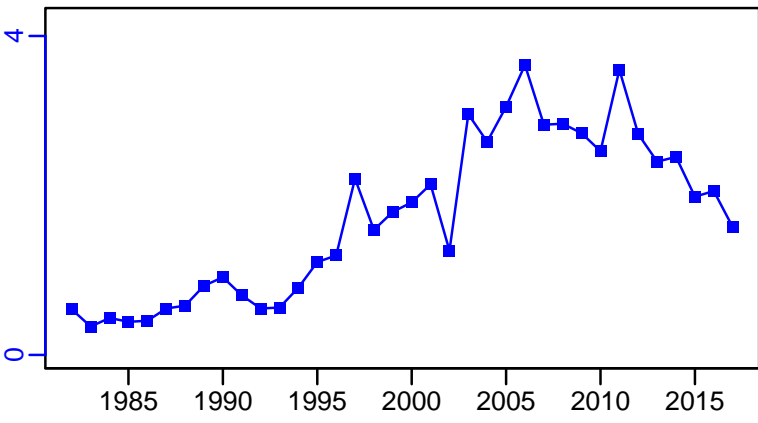
TL-MT, TC*, RecC* (1970-2017-ASHBROOK)



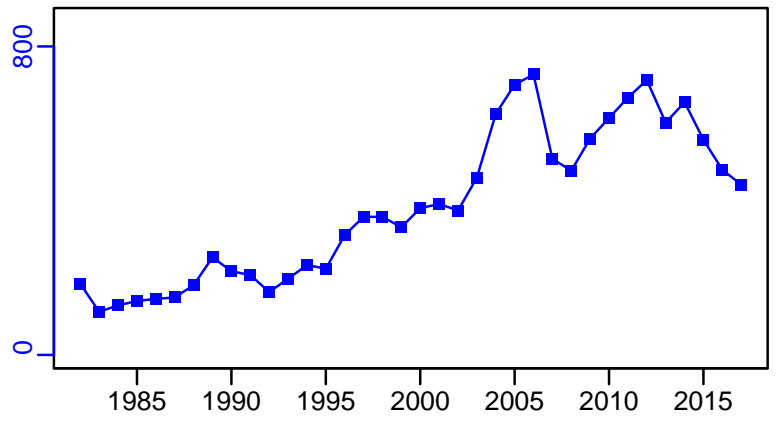
TAC-MT, Cpair-MT, Cadv* (1970-2017-ASHBROOK)



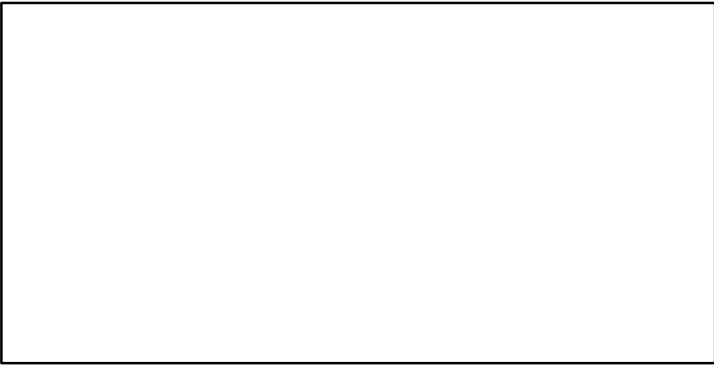
survB-index (1970-2017-ASHBROOK)



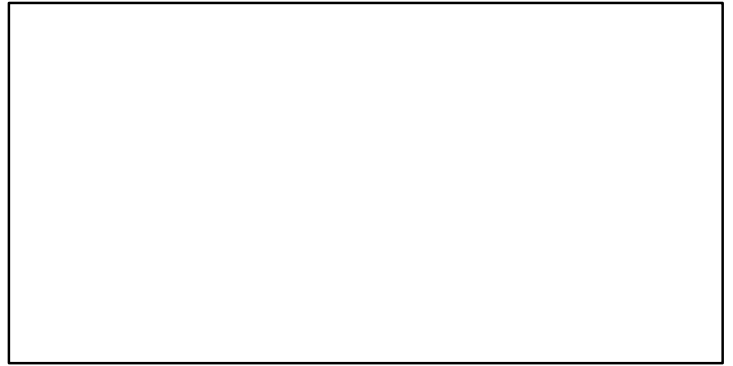
CPUE-index (1970-2017-ASHBROOK)



EFFORT*



CdivMSY*



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

Northern shrimp Shrimp Fishing Area 9 [PANDALSFA9]

Metadata	
Scientific Name	Pandalus borealis
Current Assess ID	DFO-QUE-PANDALSFA9-1974-2017-ASHBROOK
Area	Shrimp Fishing Area 9
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Asmts in RAM	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	-	-	-		
TL	TL-MT	2017	7347		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



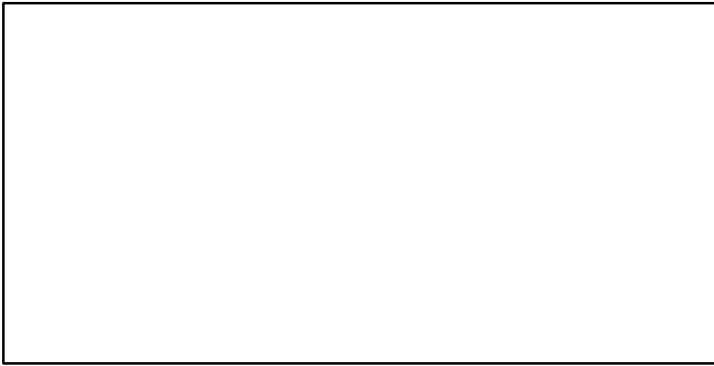
Production*



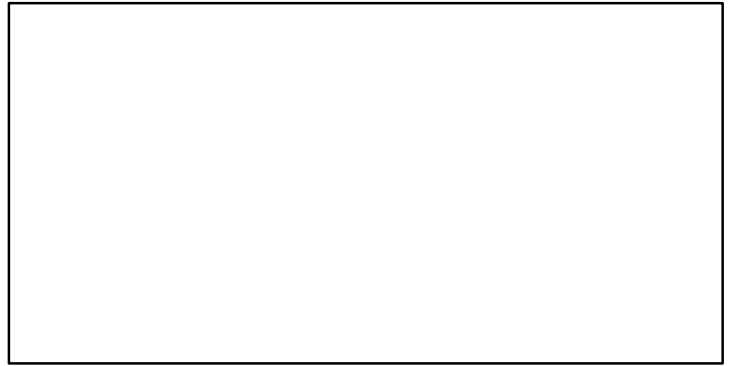
◆ Start Year ◆ End Year * No Data

Northern shrimp Shrimp Fishing Area 9 [PANDALSFA9]

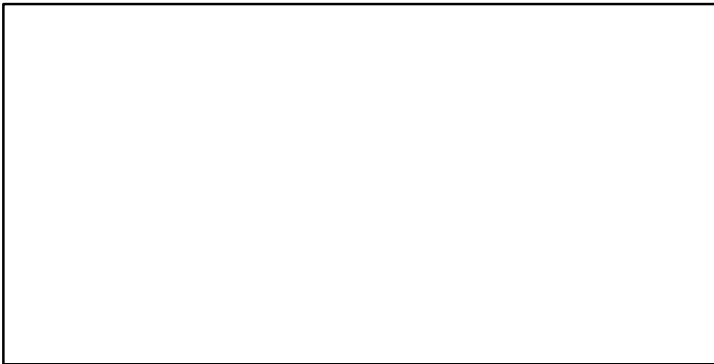
TB*



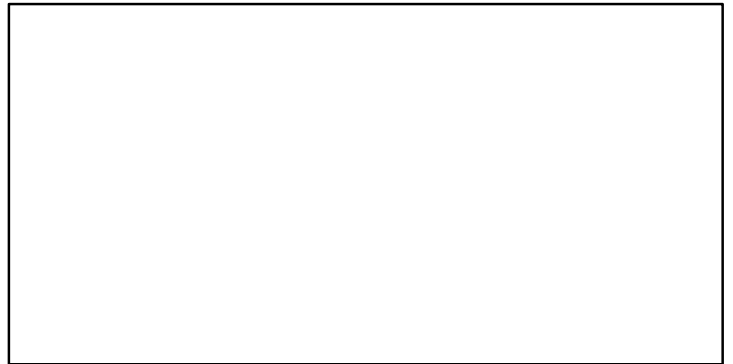
SSB*



TN *



F*



ER*

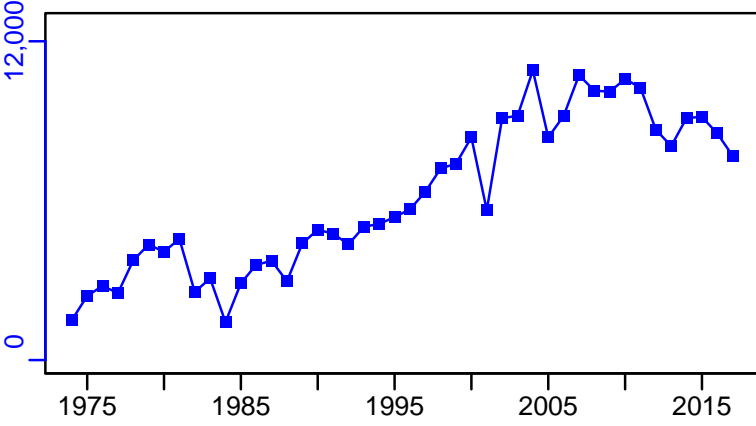


Recruits*

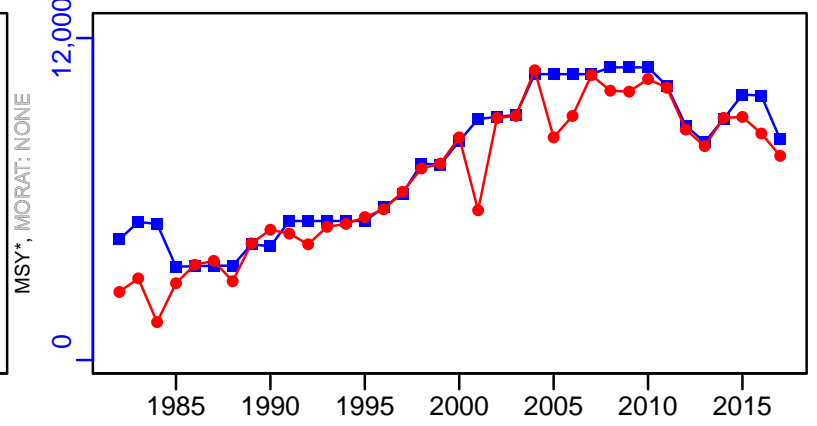


Northern shrimp Shrimp Fishing Area 9 [PANDALSFA9]

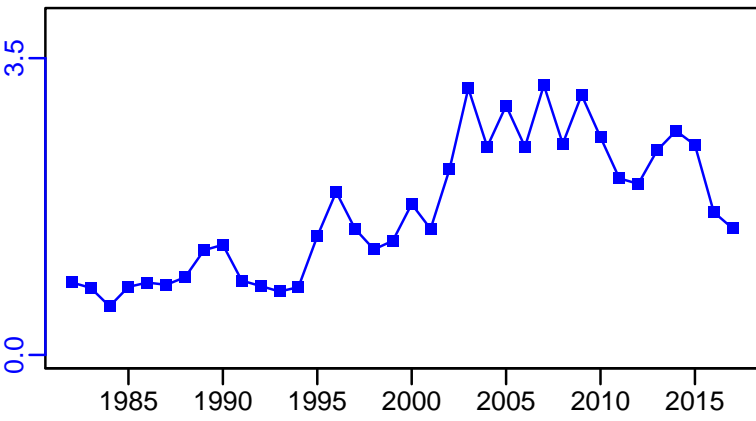
TL-MT, TC*, RecC* (1974-2017-ASHBROOK)



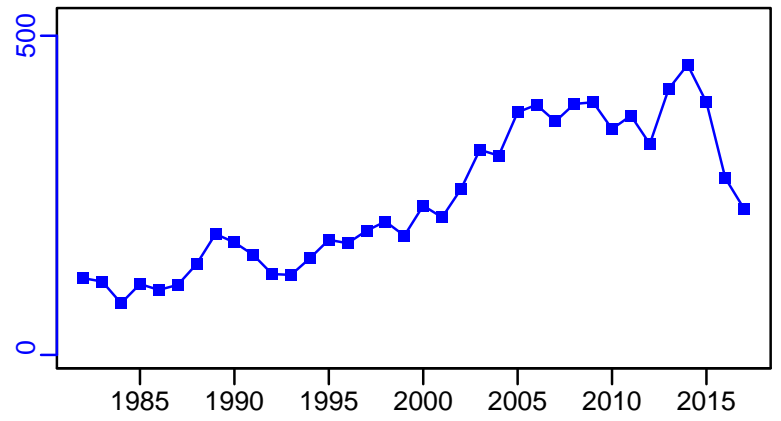
TAC-MT, Cpair-MT, Cadv* (1974-2017-ASHBROOK)



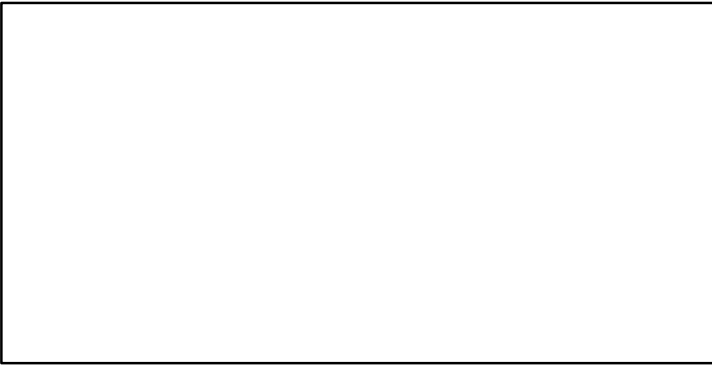
survB-index (1974-2017-ASHBROOK)



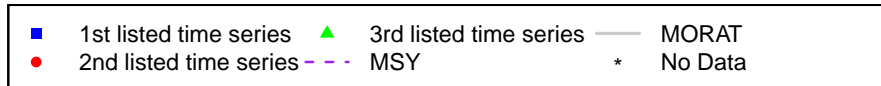
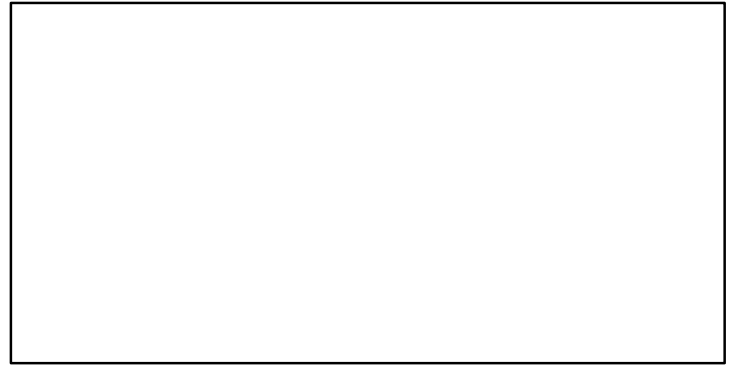
CPUE-index (1974-2017-ASHBROOK)



EFFORT*



CdivMSY*



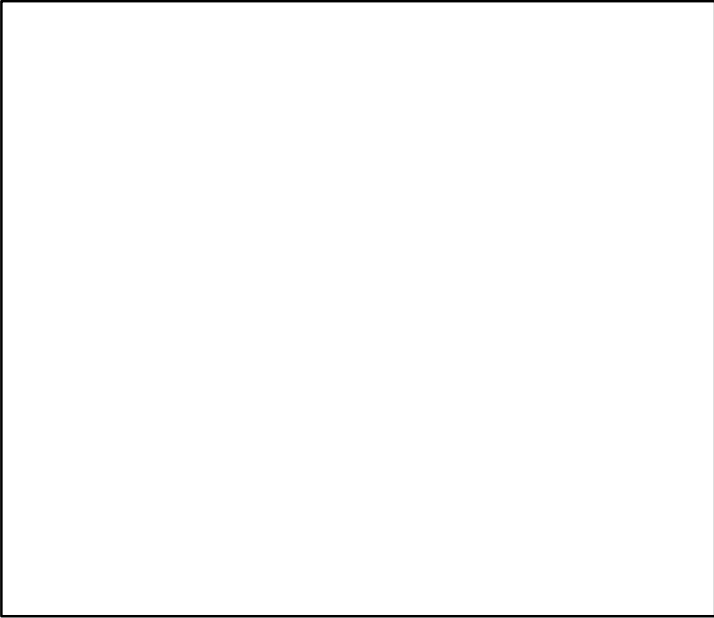
Ocean shrimp Shrimp Management Area 14 [PANDALSMA14]

Metadata	
Scientific Name	Pandalus jordani
Current Assess ID	DFO-PANDALSMA14-1987-2011-WATSON
Area	Shrimp Management Area 14
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Asmts in RAM	2011

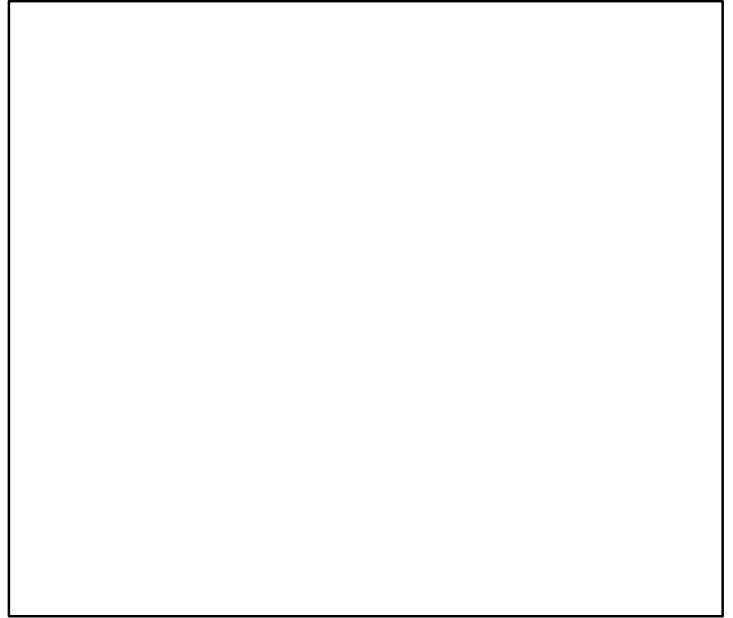
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2011	60		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

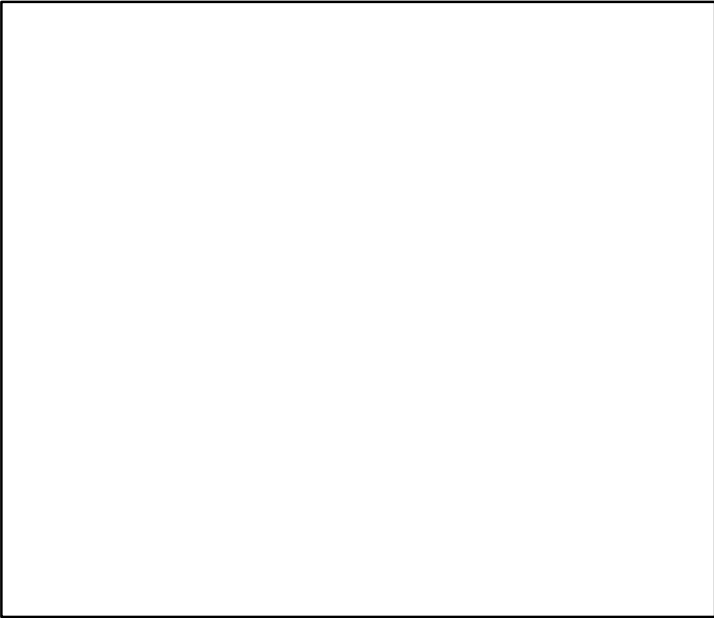
Kobe MSY*



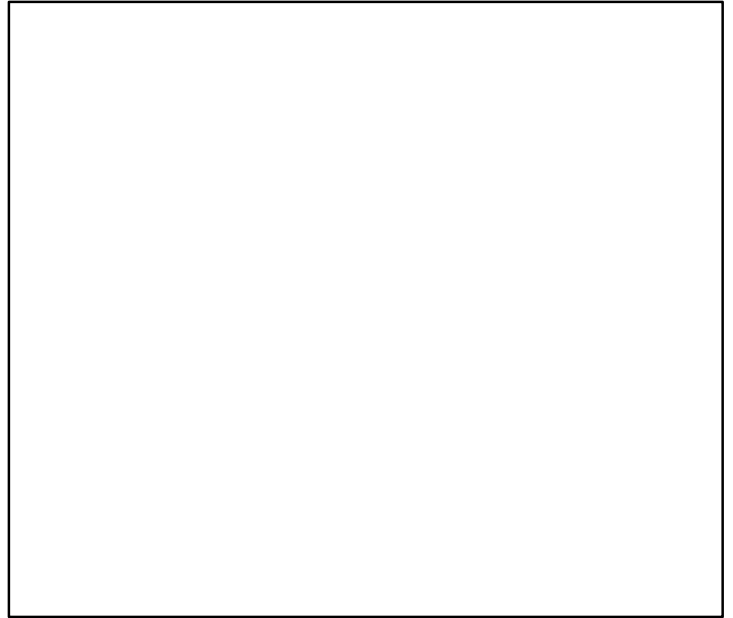
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Ocean shrimp Shrimp Management Area 14 [PANDALSMA14]

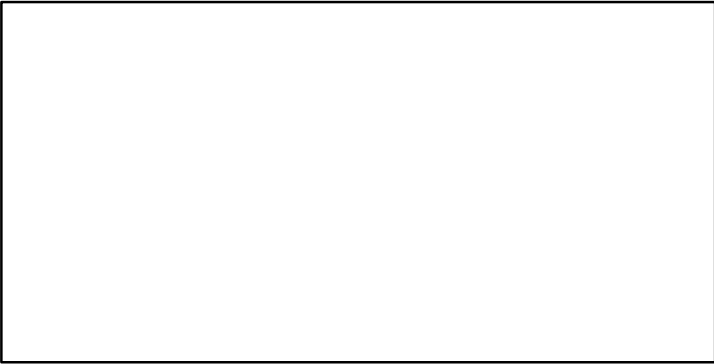
TB*



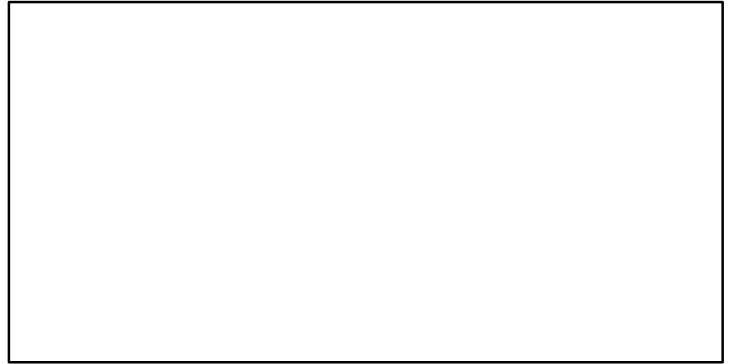
SSB*



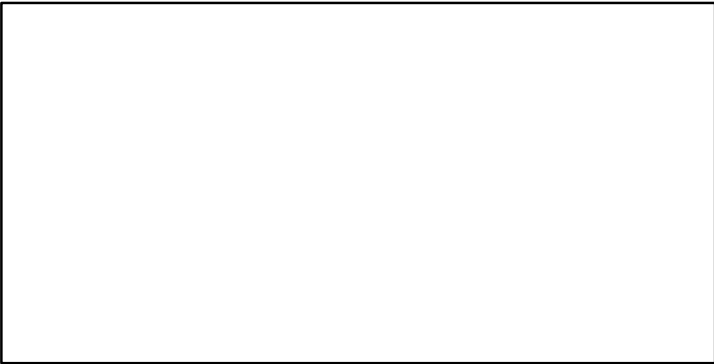
TN *



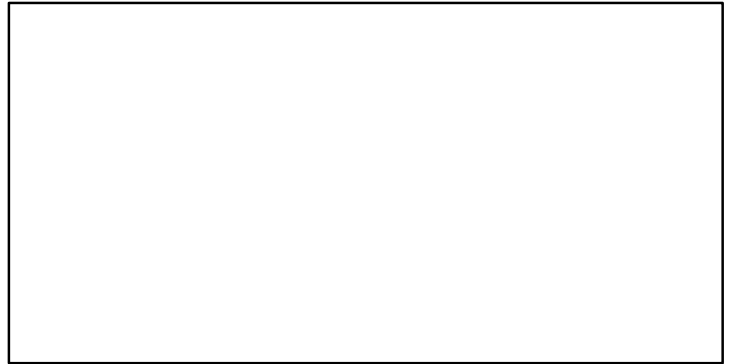
F*



ER*

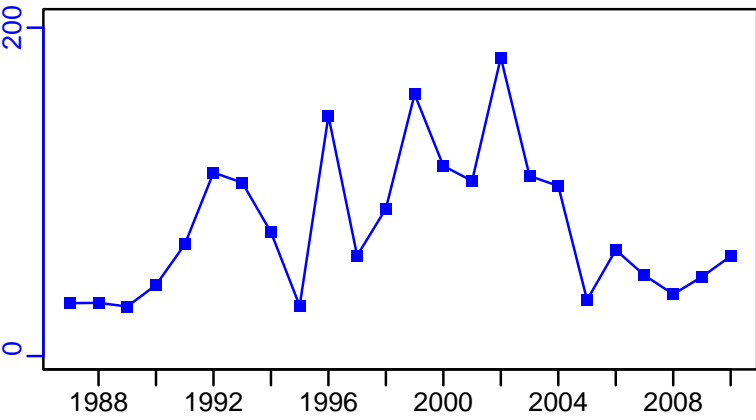


Recruits*

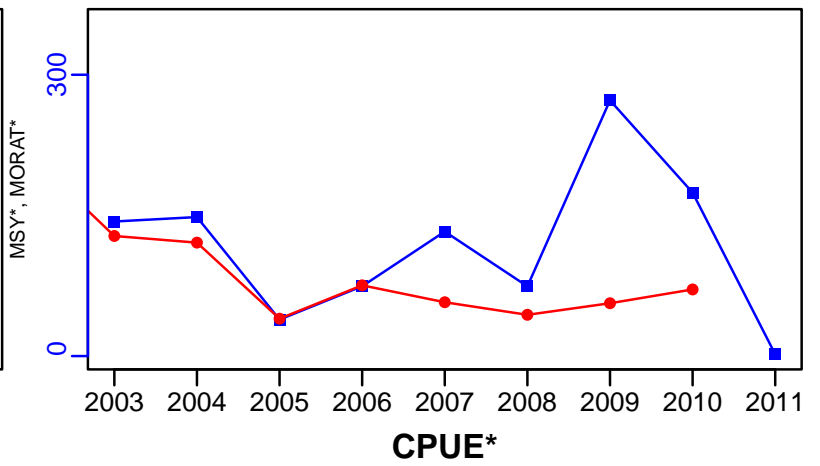


Ocean shrimp Shrimp Management Area 14 [PANDALSMA14]

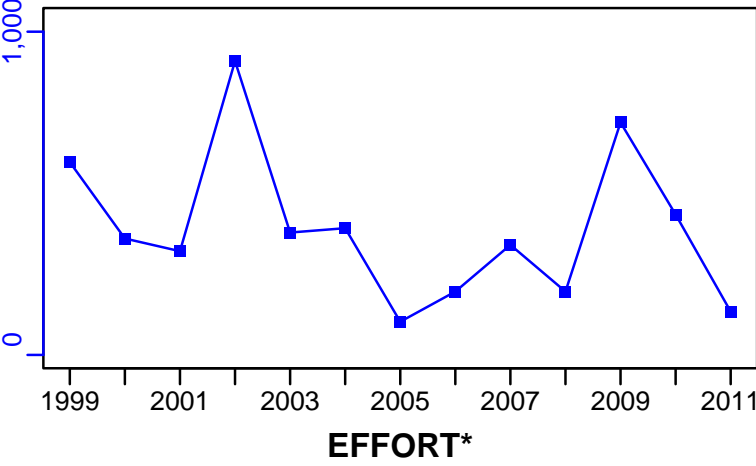
TL-MT, TC*, RecC* (1987-2011-WATSON)



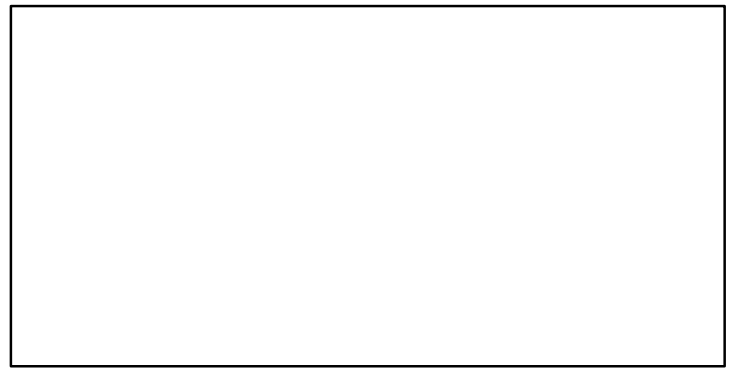
TAC-MT, Cpair-MT, Cadv* (1987-2011-WATSON)



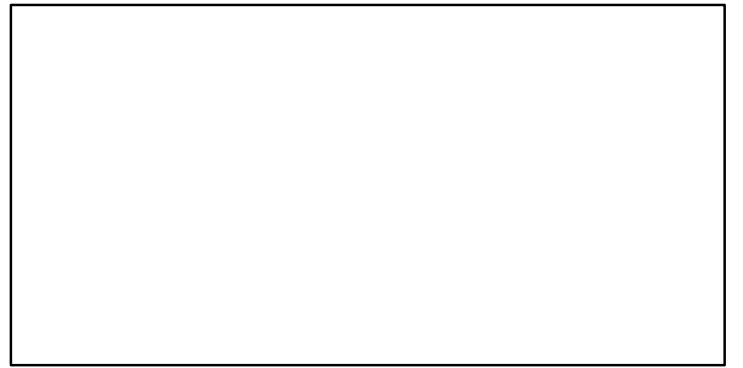
survB-MT (1987-2011-WATSON)



CPUE*



CdivMSY*



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

Ocean shrimp Shrimp Management Area 16 [PANDALSMA16]

Metadata	
Scientific Name	Pandalus jordani
Current Assess ID	DFO-PANDALSMA16-1987-2011-WATSON
Area	Shrimp Management Area 16
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Asmts in RAM	2011

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	TB-MT	2011	94	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2011	0.318	-	-
TC	-	-	-		
TL	TL-MT	2011	36		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*

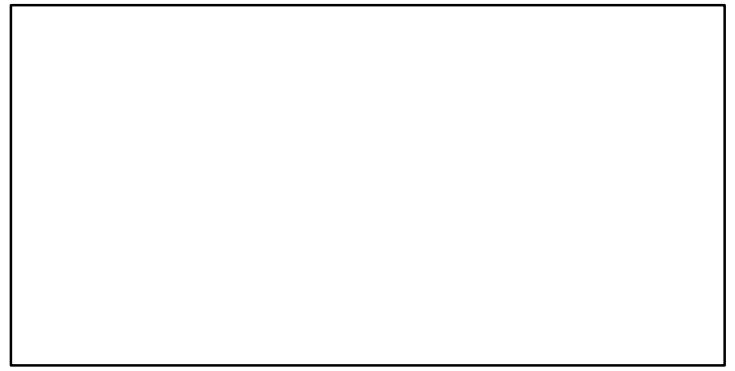
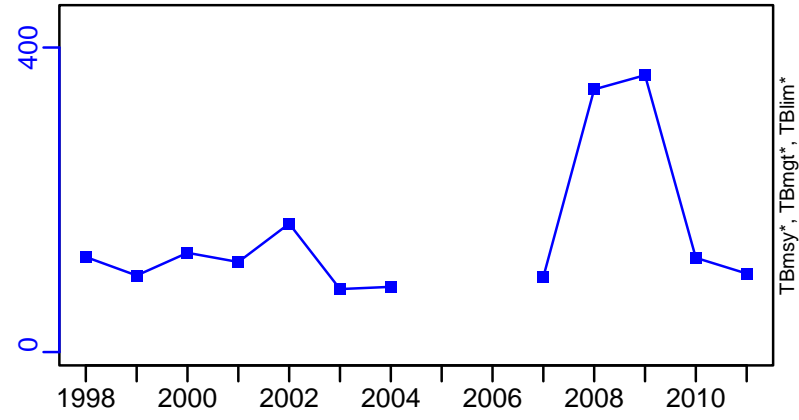


◆ Start Year ◆ End Year * No Data

Ocean shrimp Shrimp Management Area 16 [PANDALSMA16]

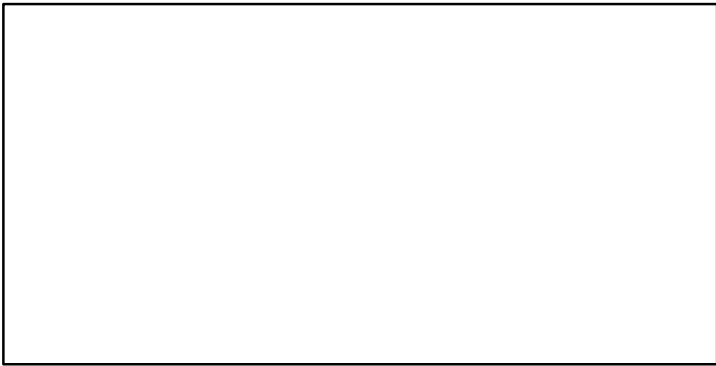
TB-MT (1987-2011-WATSON)

SSB*



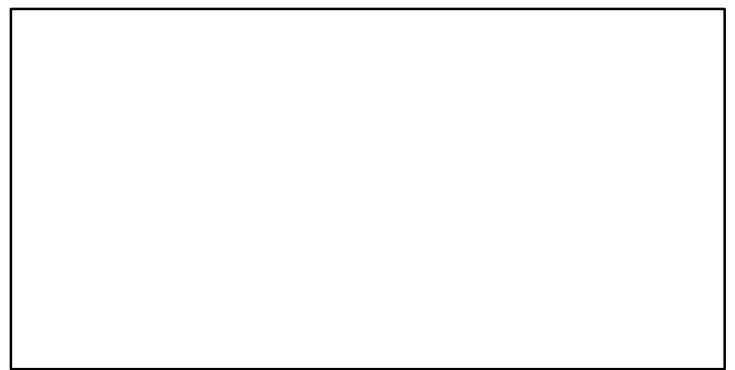
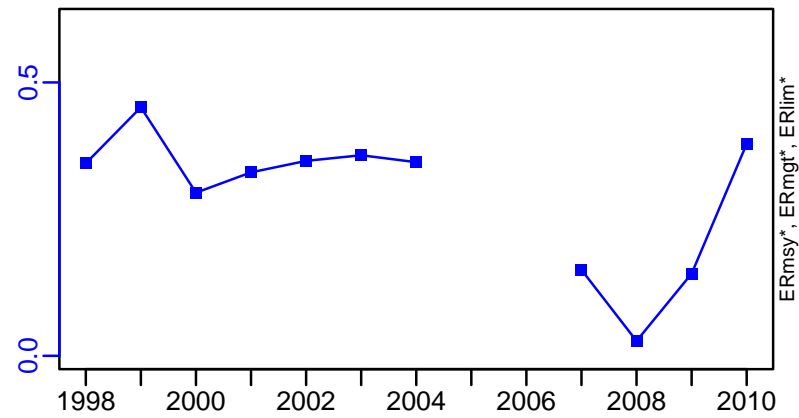
TN *

F*



ER-calc-ratio (1987-2011-WATSON)

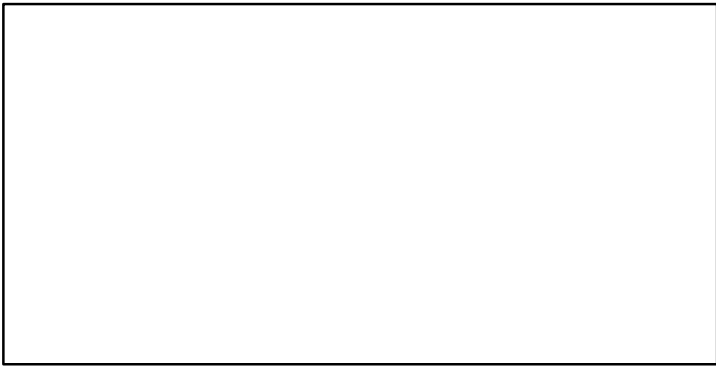
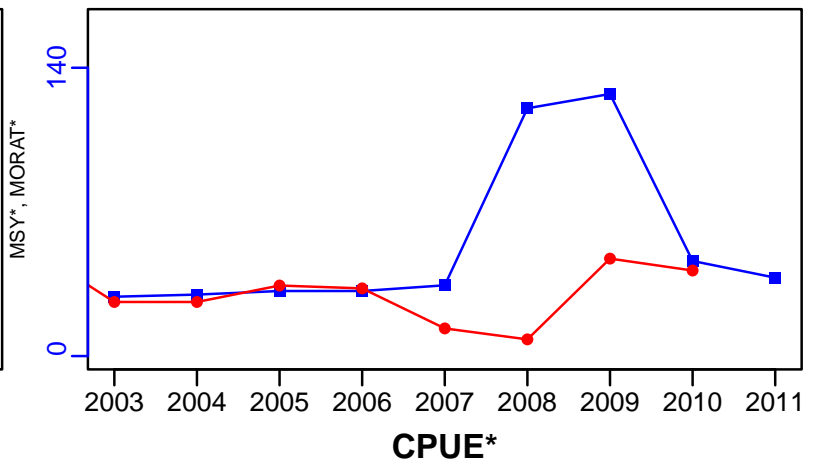
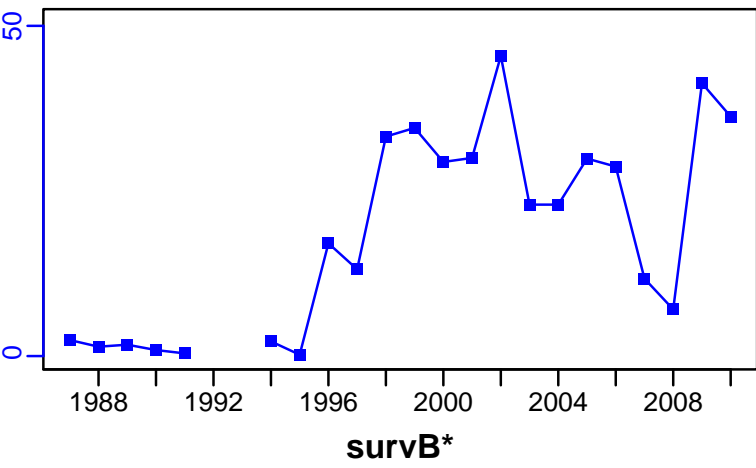
Recruits*



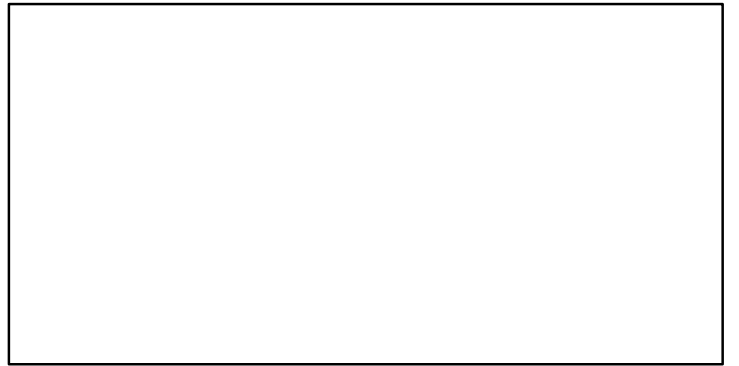
Ocean shrimp Shrimp Management Area 16 [PANDALSMA16]

TL-MT, TC*, RecC* (1987-2011-WATSON)

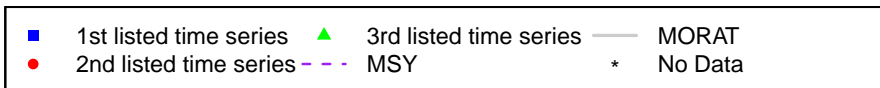
TAC-MT, Cpair-MT, Cadv* (1987-2011-WATSON)



EFFORT*



CdivMSY*



Ocean shrimp Shrimp Management Areas 18 and 19 [PANDALSMA18-19]

Metadata	
Scientific Name	Pandalus jordani
Current Assess ID	DFO-PANDALSMA18-19-1987-2011-WATSON
Area	Shrimp Management Areas 18 and 19
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Asmts in RAM	2011

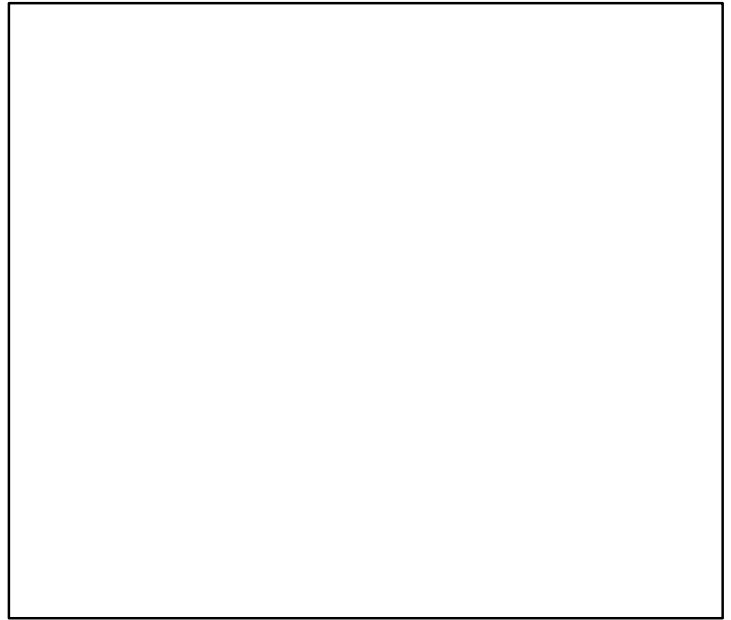
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	56	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2011	0	-	-
TC	-	-	-		
TL	TL-MT	2011	0		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



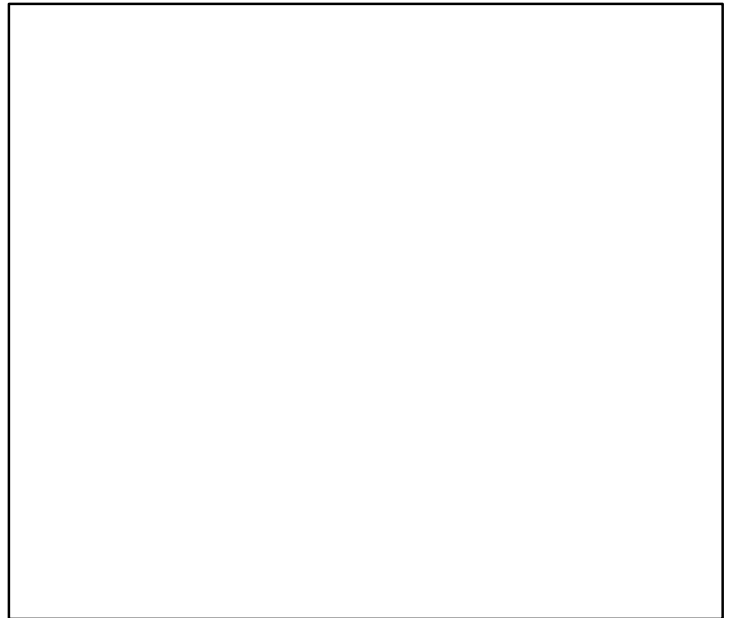
Kobe MGT*



Spawner Recruit*



Production*

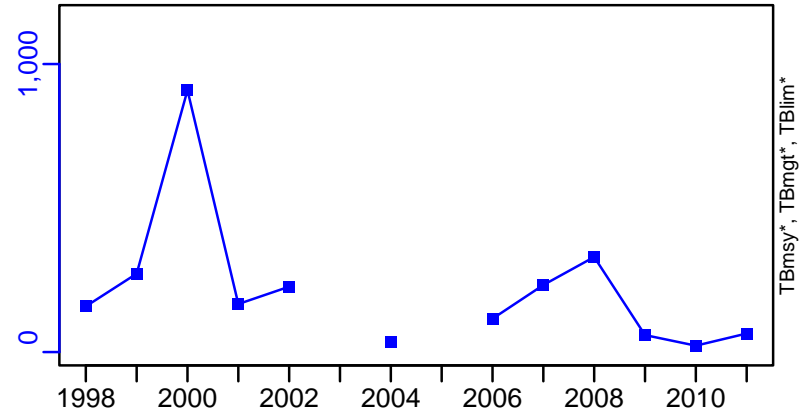


◆ Start Year ◆ End Year * No Data

Ocean shrimp Shrimp Management Areas 18 and 19 [PANDALSMA18-19]

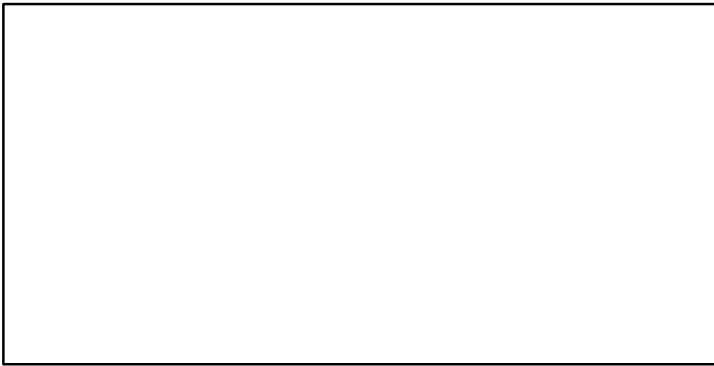
TB-MT (1987-2011-WATSON)

SSB*



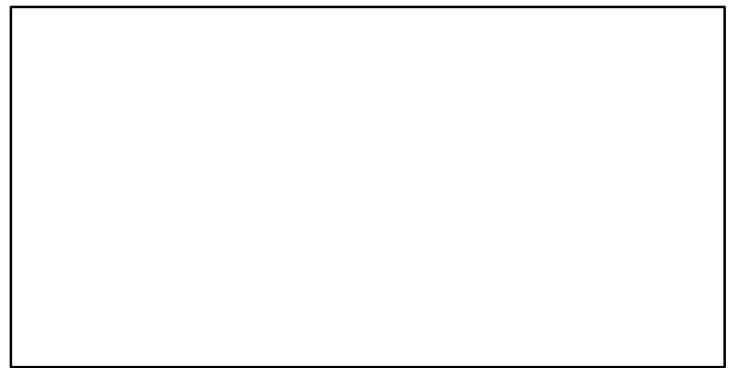
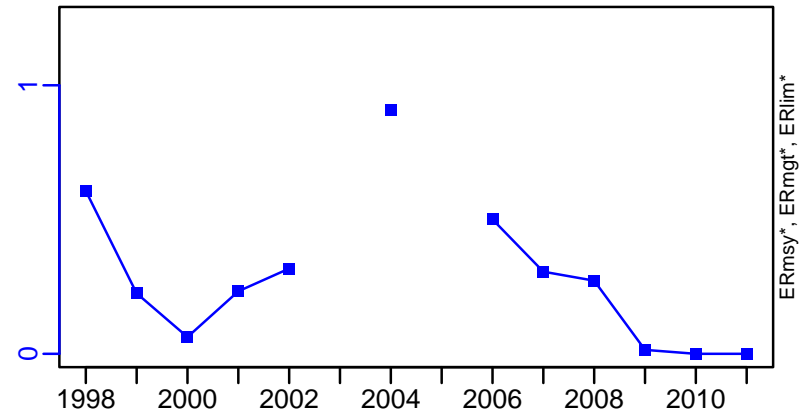
TN *

F*



ER-calc-ratio (1987-2011-WATSON)

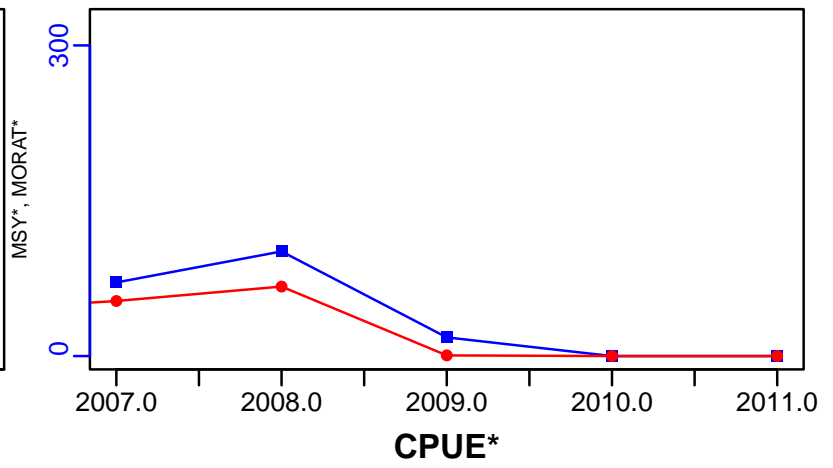
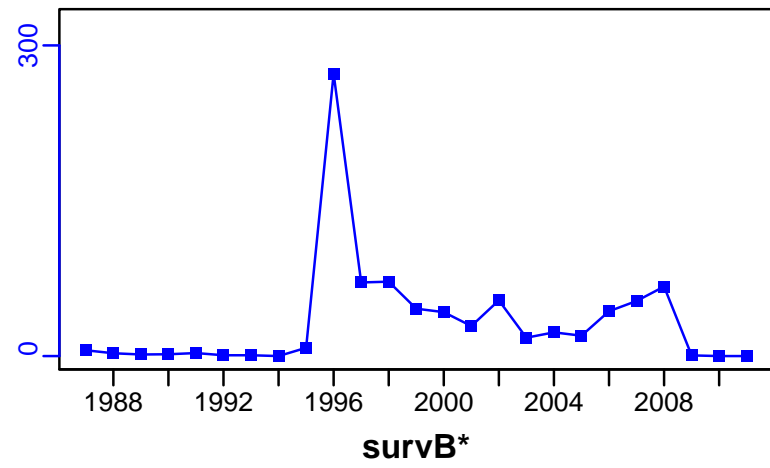
Recruits*



Ocean shrimp Shrimp Management Areas 18 and 19 [PANDALSMA18-19]

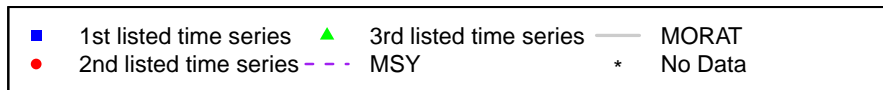
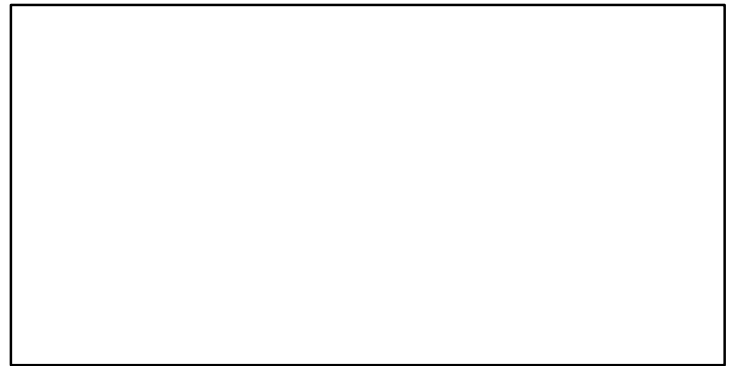
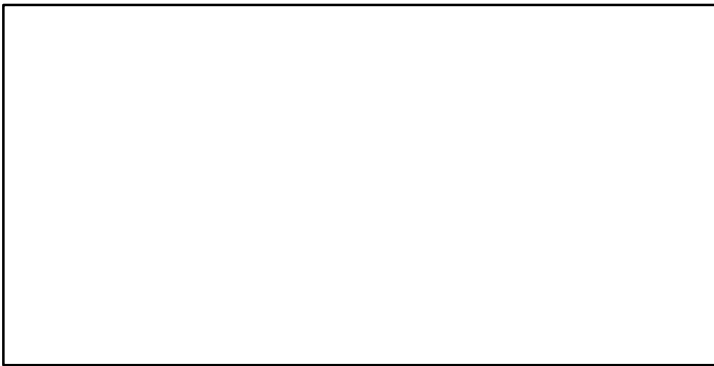
TL-MT, TC*, RecC* (1987-2011-WATSON)

TAC-MT, Cpair-MT, Cadv* (1987-2011-WATSON)



EFFORT*

CdivMSY*



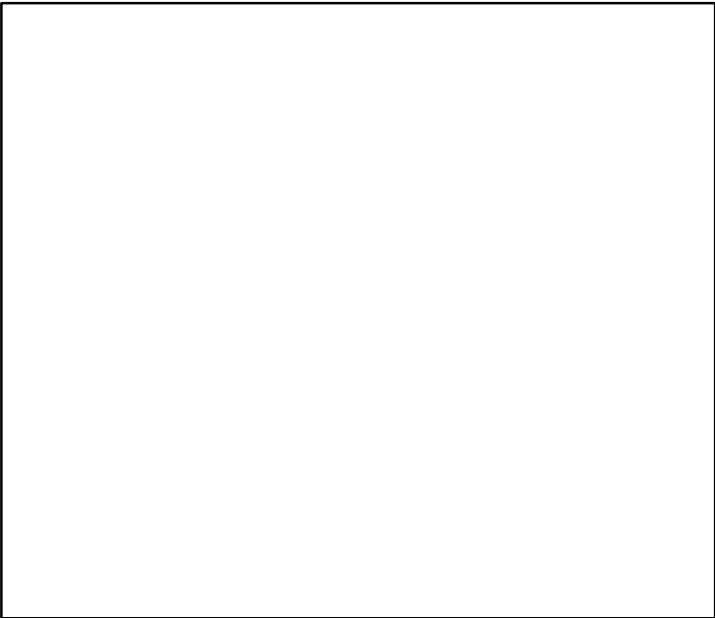
Ocean shrimp Shrimp Management Area FR [PANDALSMAFR]

Metadata	
Scientific Name	Pandalus jordani
Current Assess ID	DFO-PANDALSMAFR-1987-2011-WATSON
Area	Shrimp Management Area FR
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Asmts in RAM	2011

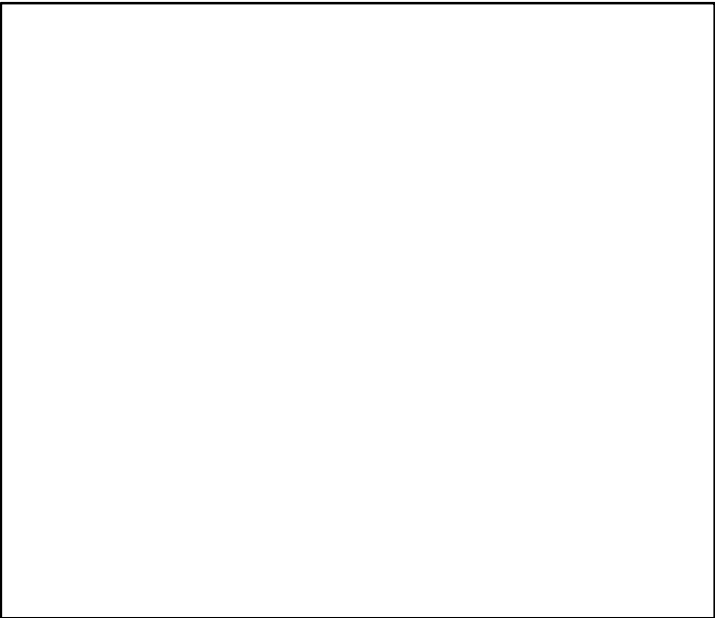
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2011	72		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

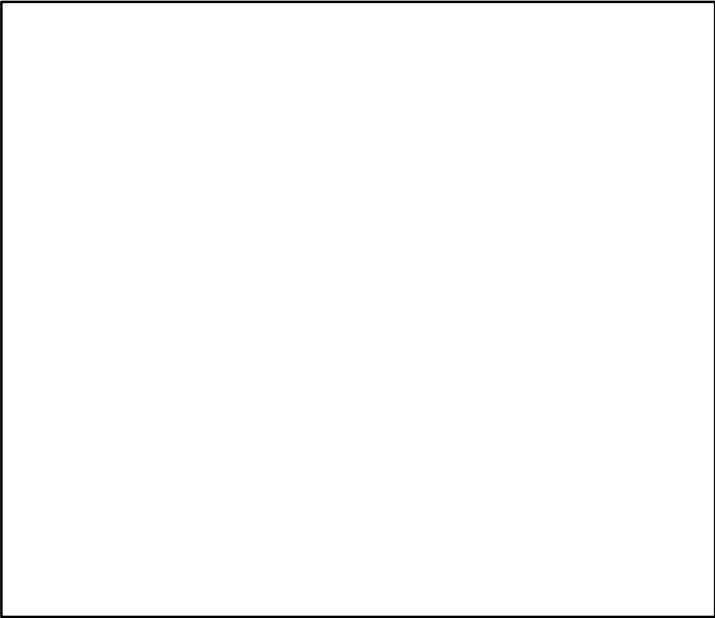
Kobe MSY*



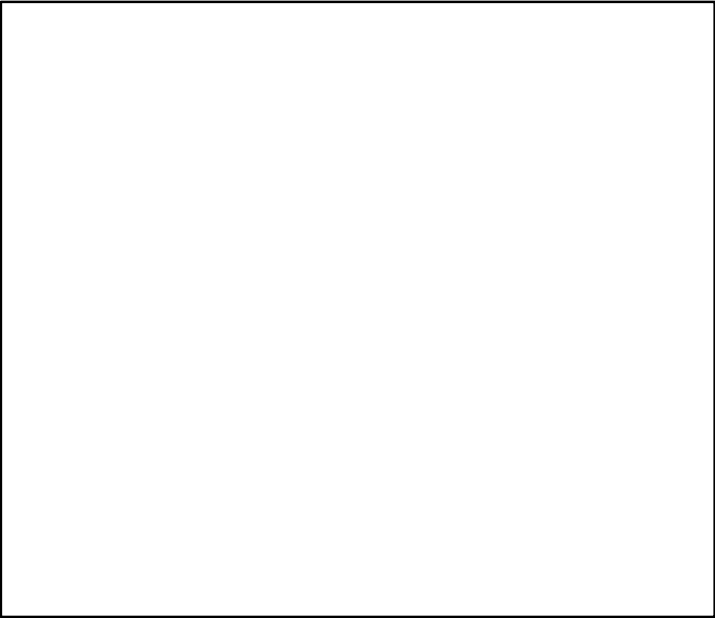
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*



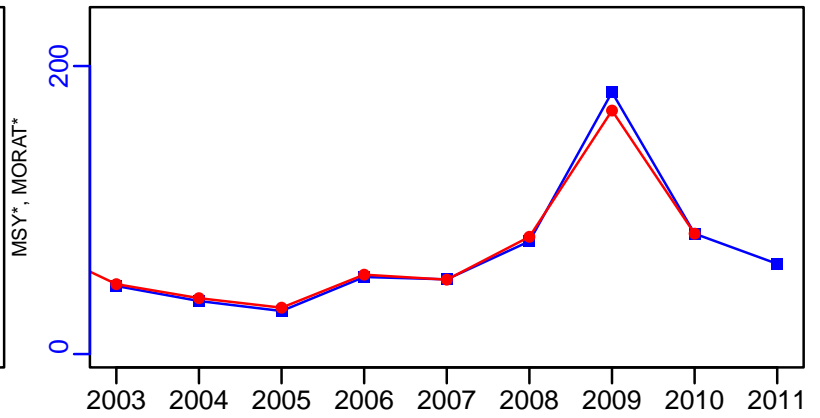
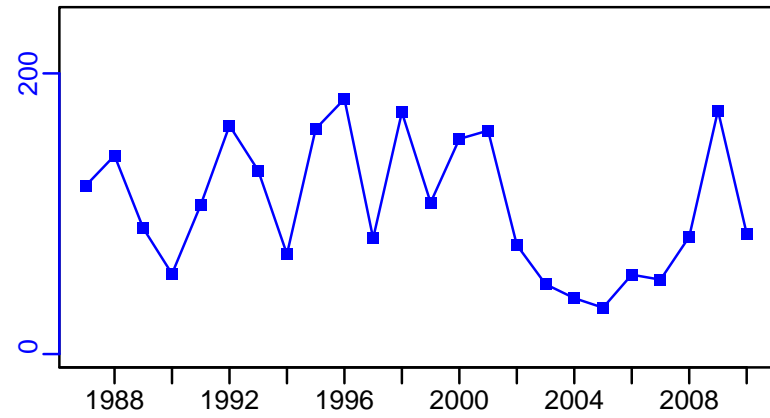
Recruits*



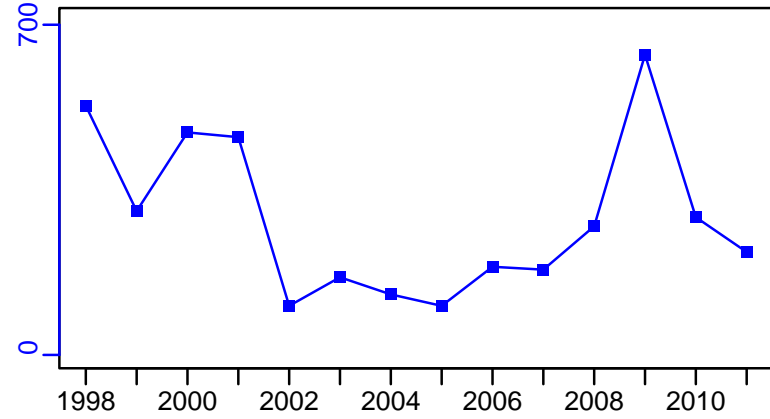
Ocean shrimp Shrimp Management Area FR [PANDALSMAFR]

TL-MT, TC*, RecC* (1987-2011-WATSON)

TAC-MT, Cpair-MT, Cadv* (1987-2011-WATSON)



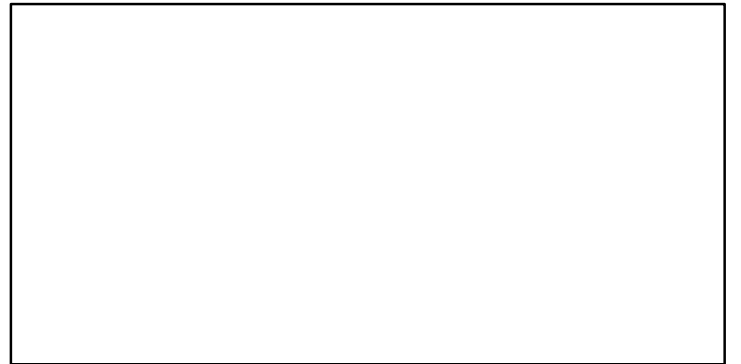
survB-MT (1987-2011-WATSON)



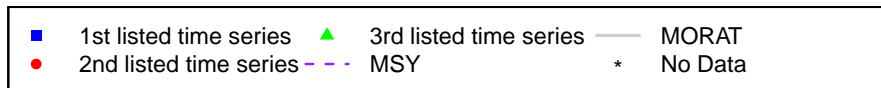
EFFORT*



CPUE*



CdivMSY*



Ocean shrimp Shrimp Management Area GTSE [PANDALSMAGTSE]

Metadata	
Scientific Name	Pandalus jordani
Current Assess ID	DFO-PANDALSMAGTSE-1990-2012-WATSON
Area	Shrimp Management Area GTSE
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Asmts in RAM	2012

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	TB-MT	2012	243	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2012	0.147	-	-
TC	-	-	-		
TL	TL-MT	2012	55		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*

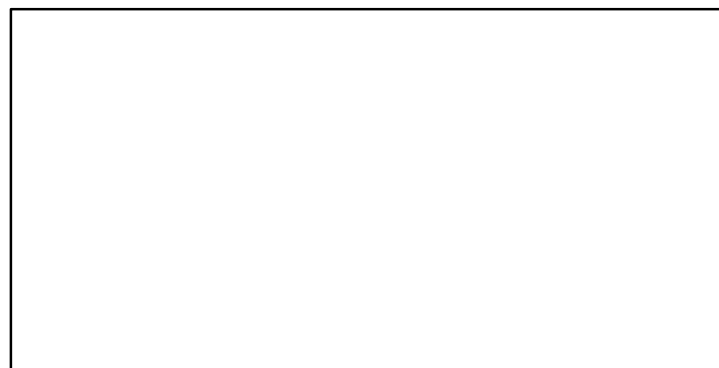
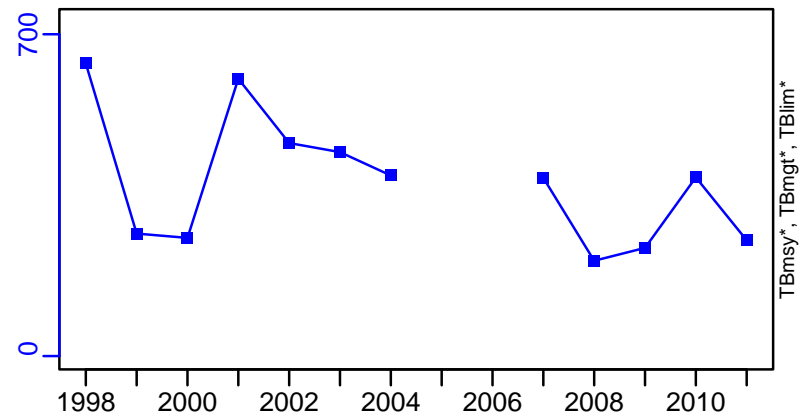


◆ Start Year ◆ End Year * No Data

Ocean shrimp Shrimp Management Area GTSE [PANDALSMAGTSE]

TB-MT (1990-2012-WATSON)

SSB*



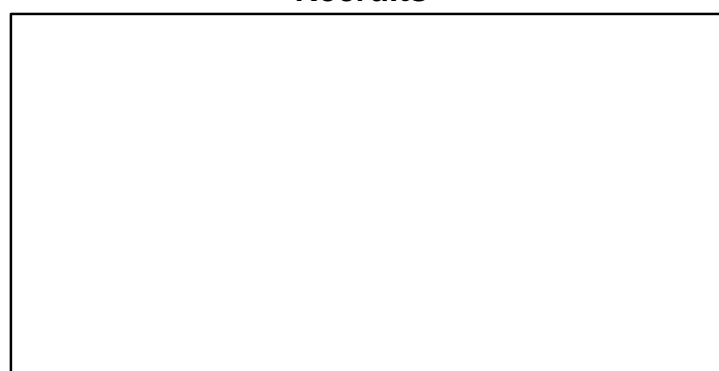
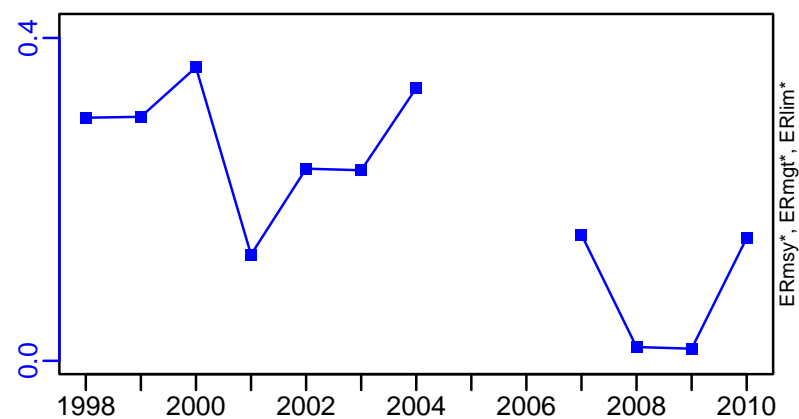
TN *

F*



ER-calc-ratio (1990-2012-WATSON)

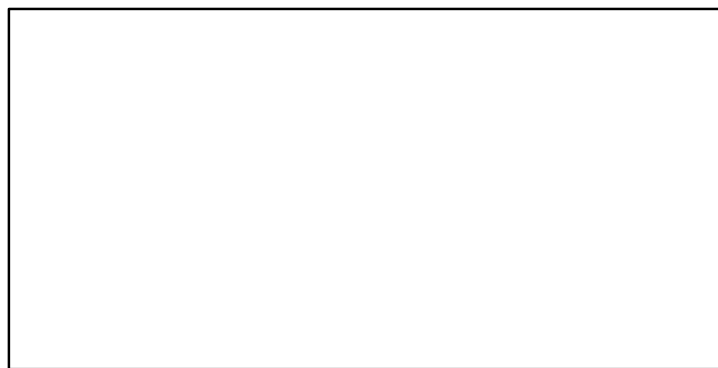
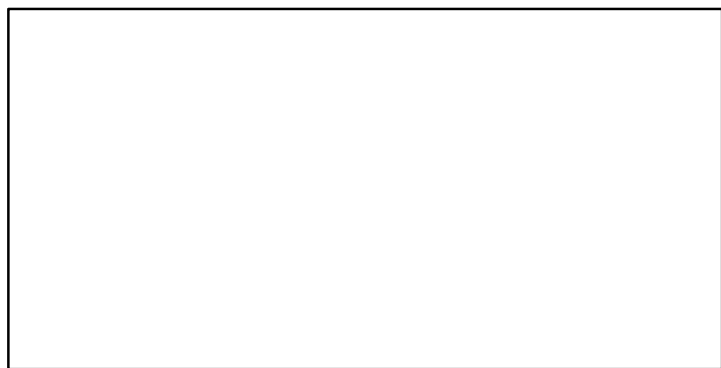
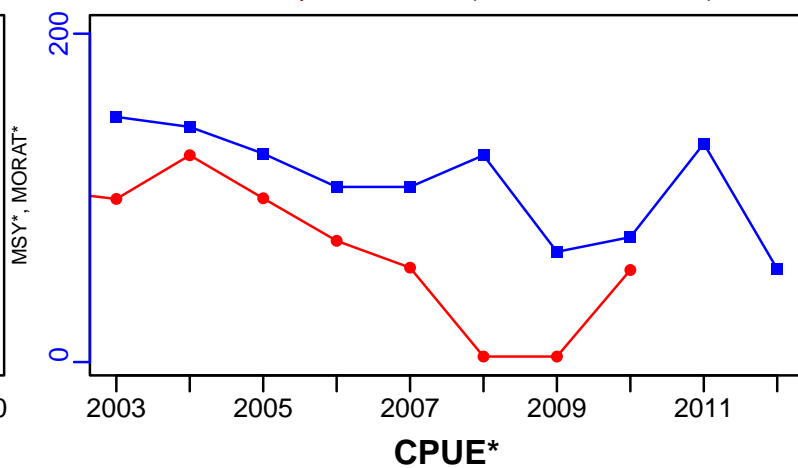
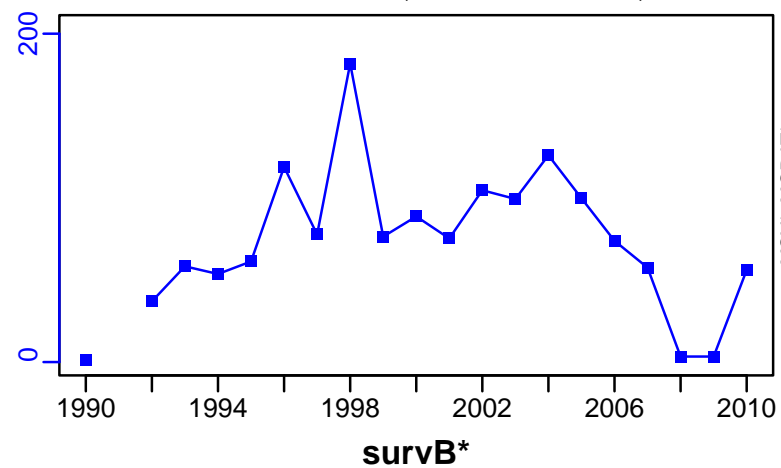
Recruits*



Ocean shrimp Shrimp Management Area GTSE [PANDALSMAGTSE]

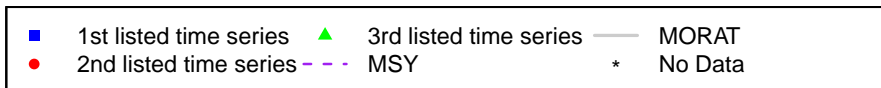
TL-MT, TC*, RecC* (1990-2012-WATSON)

TAC-MT, Cpair-MT, Cadv* (1990-2012-WATSON)



EFFORT*

CdivMSY*



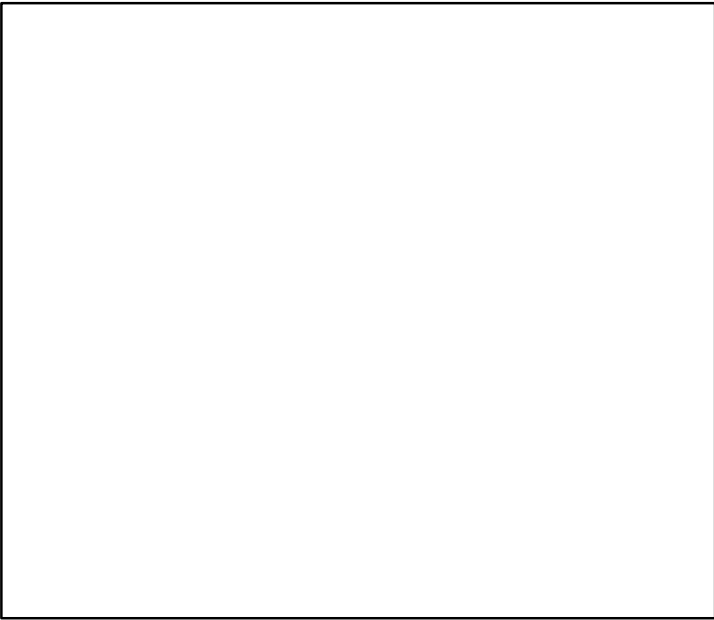
Ocean shrimp Shrimp Management Area PRD [PANDALSMAPRD]

Metadata	
Scientific Name	Pandalus jordani
Current Assess ID	DFO-PANDALSMAPRD-1987-2011-WATSON
Area	Shrimp Management Area PRD
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Asmts in RAM	2011

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	TB-MT	2011	1210	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2011	0.023	-	-
TC	-	-	-		
TL	TL-MT	2011	26		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

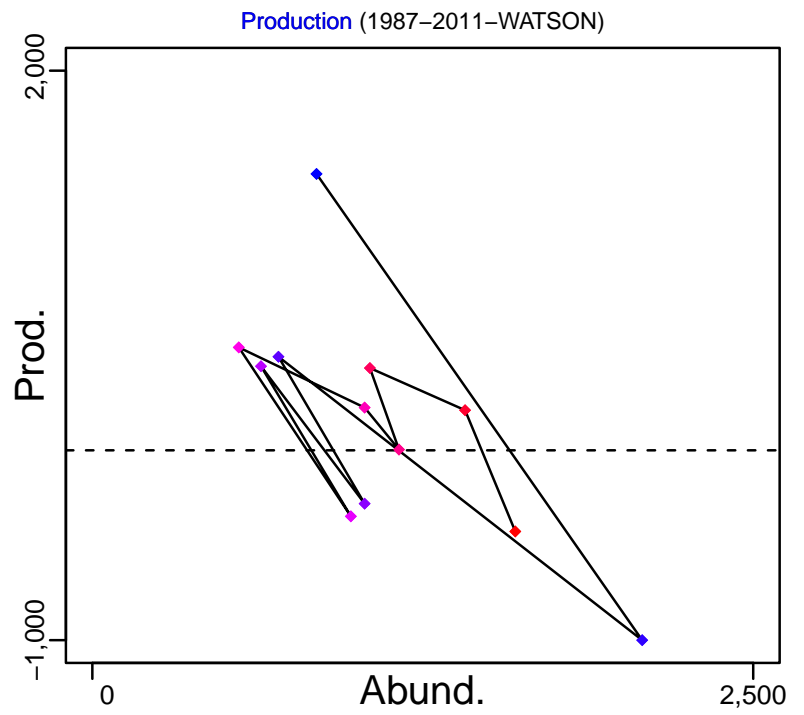
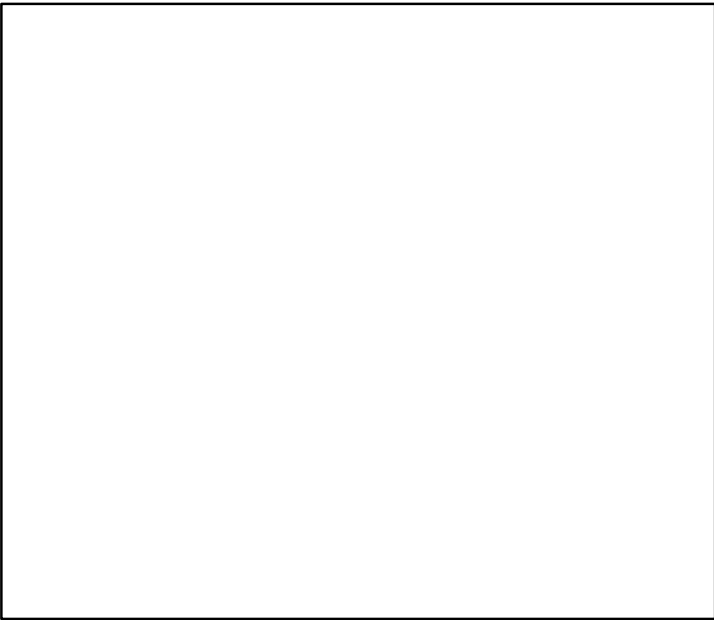
Kobe MSY*



Kobe MGT*



Spawner Recruit*

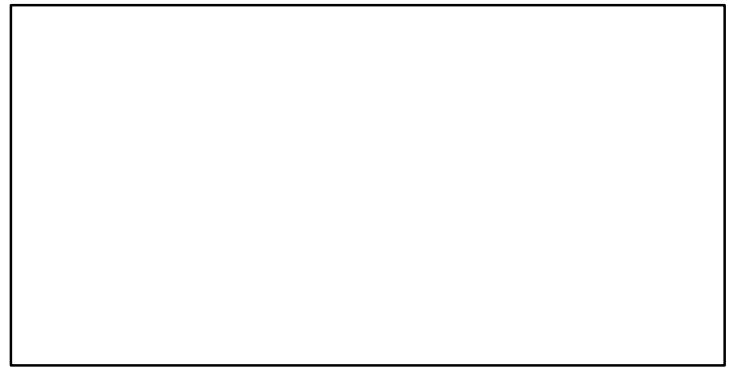
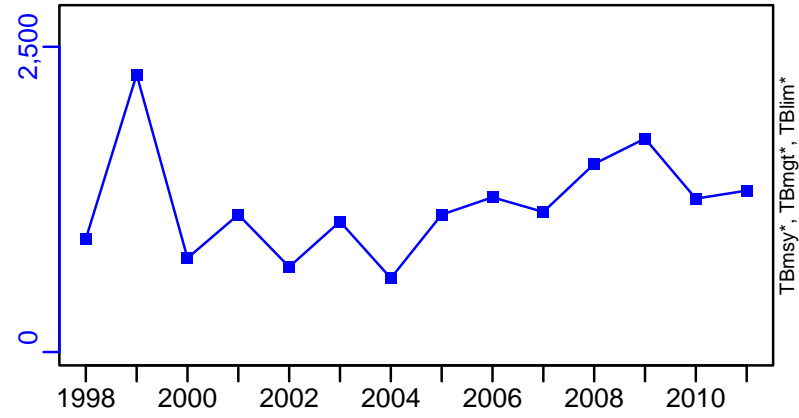


◆ Start Year ◆ End Year * No Data

Ocean shrimp Shrimp Management Area PRD [PANDALSMAPRD]

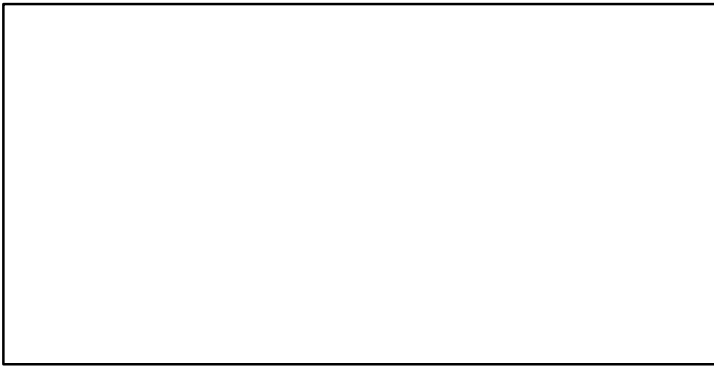
TB-MT (1987-2011-WATSON)

SSB*



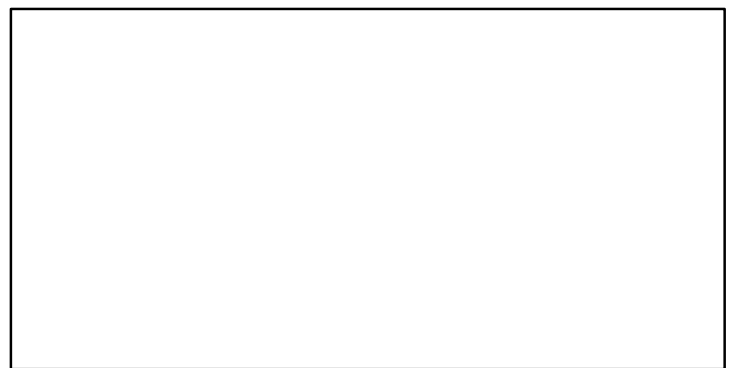
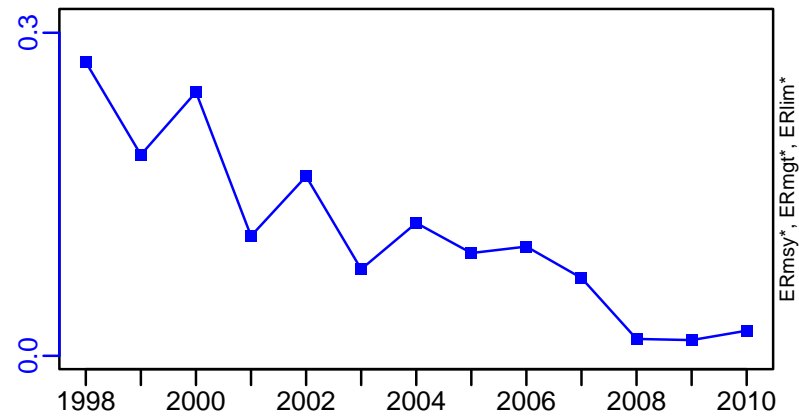
TN *

F*



ER-calc-ratio (1987-2011-WATSON)

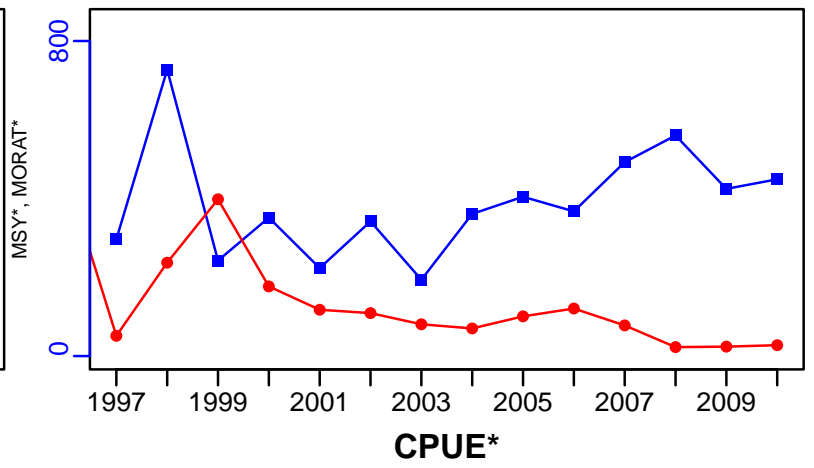
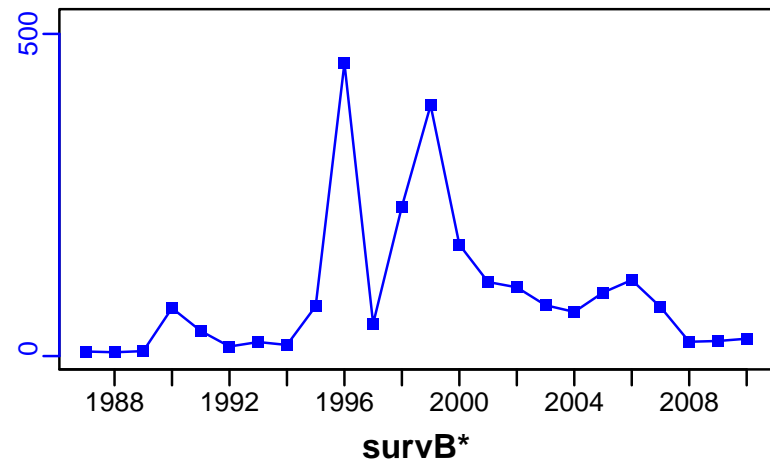
Recruits*



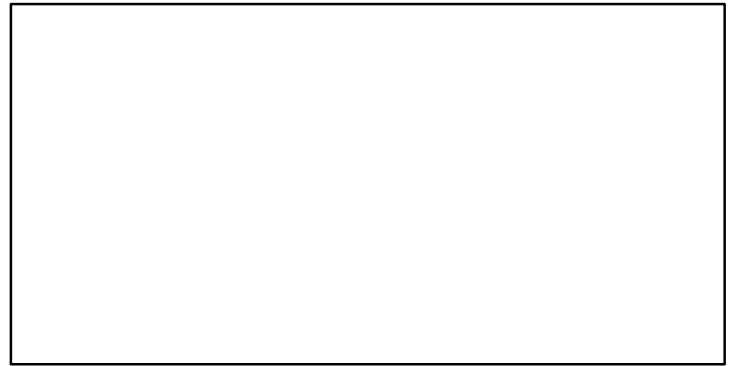
Ocean shrimp Shrimp Management Area PRD [PANDALSMAPRD]

TL-MT, TC*, RecC* (1987-2011-WATSON)

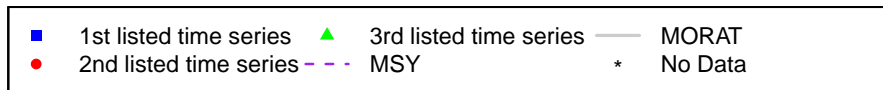
TAC-MT, Cpair-MT, Cadv* (1987-2011-WATSON)



EFFORT*



CdivMSY*



Pink shrimp Gulf of Mexico [PINKSHRIMPGM]

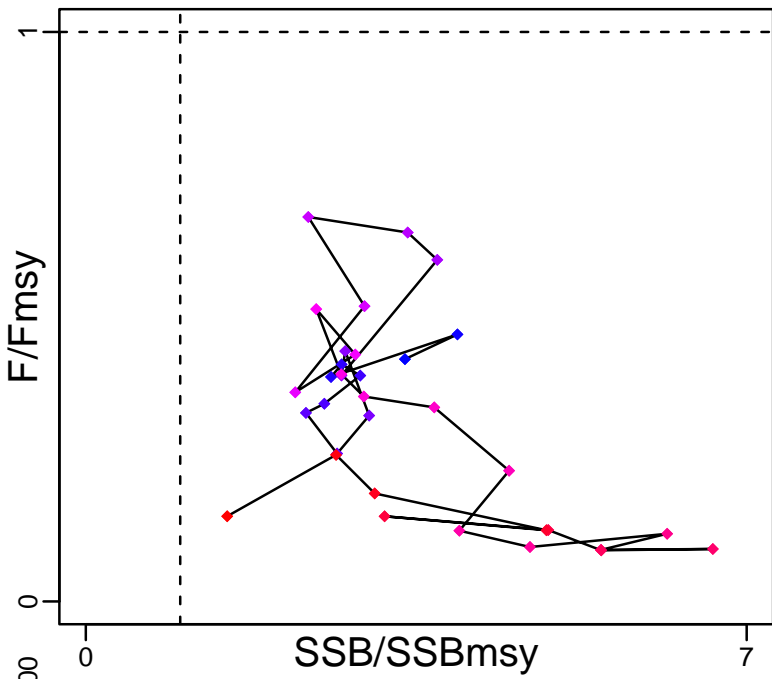
Metadata	
Scientific Name	Farfantepenaeus duorarum
Current Assess ID	SEFSC-PINKSHRIMPGM-1984-2017-SISIMP2021
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2011, 2013, 2014, 2015, 2017

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2017	10,750
Fmsy	Fmsy-1/yr	2017	1.34
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2015	10,750
Flim	-	-	-
ERlim	-	-	-

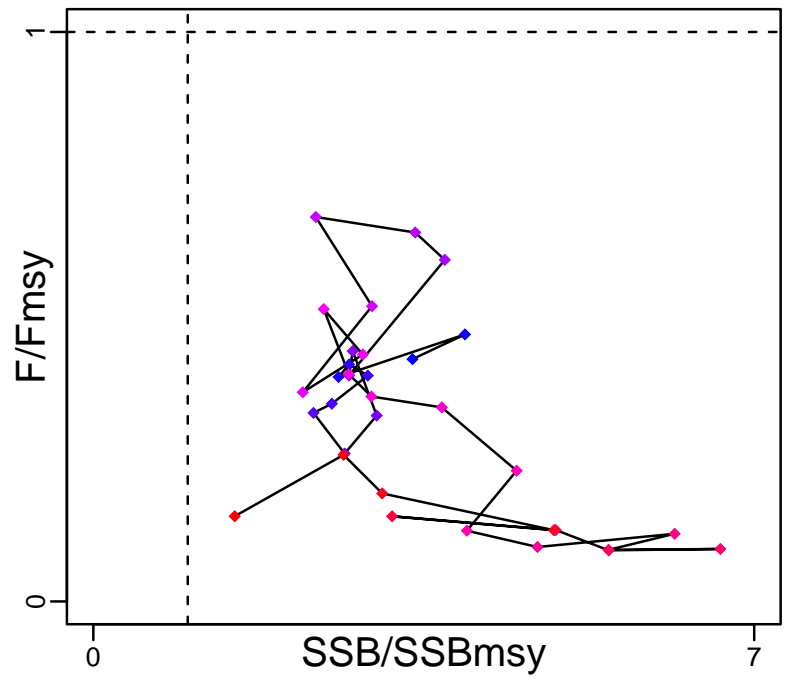
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2017	16,097	-	-
TN	-	-	-	-	-
R	R-E00	2017	3,017,759,000	-	-
F	F-1/yr	2017	0.2	-	-
ER	ER-ratio	2011	0.034	-	-
TC	TC-MT	2017	4503		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2017	1.497		
F/Fmsy	F-1/yr/Fmsy-1/yr	2017	0.15		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Pink shrimp Gulf of Mexico [PINKSHRIMPGM]

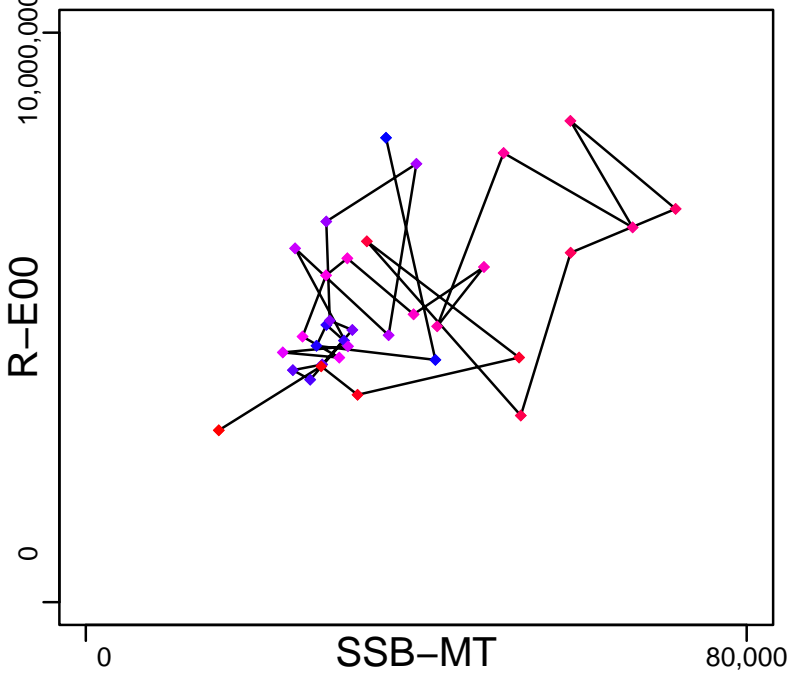
Kobe MSYpref (1984–2017–SISIMP2021)



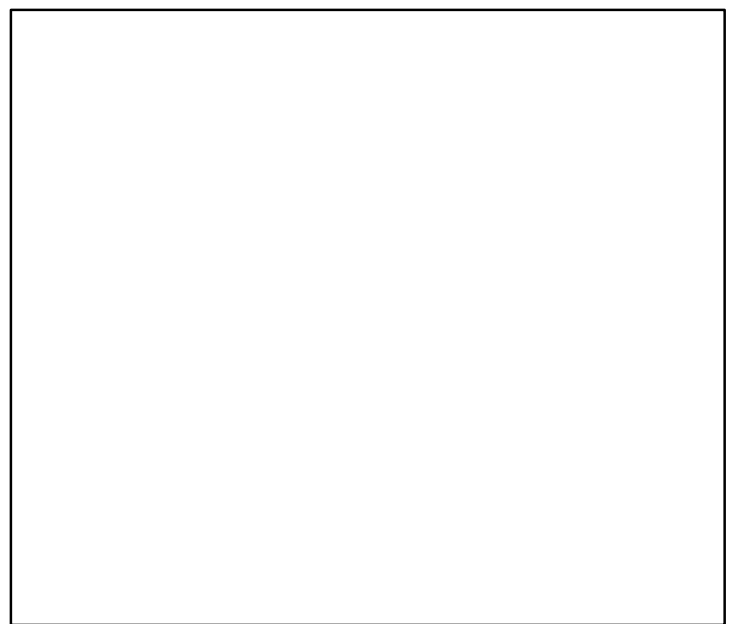
Kobe MGTpref (1984–2017–SISIMP2021)



Spawner Recruit (1984–2017–SISIMP2021)



Production*



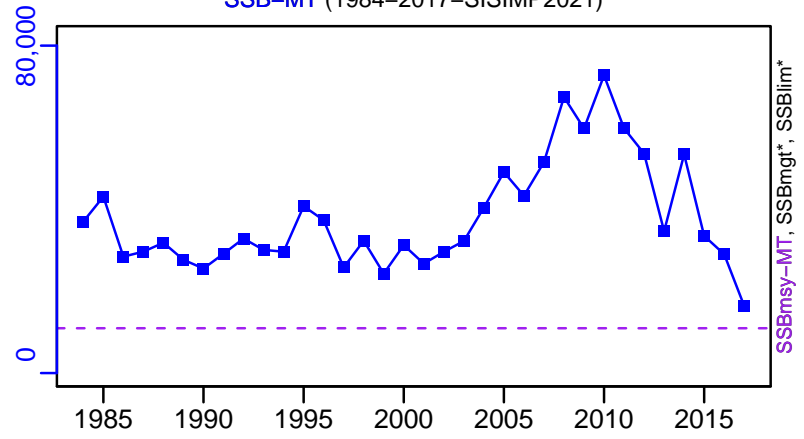
◆ Start Year ◆ End Year * No Data

Pink shrimp Gulf of Mexico [PINKSHRIMPGM]

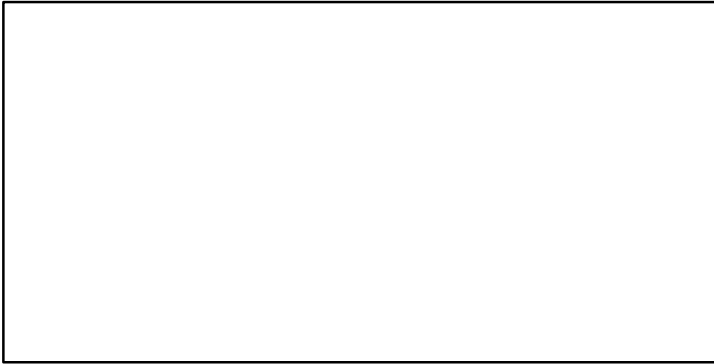
TB*



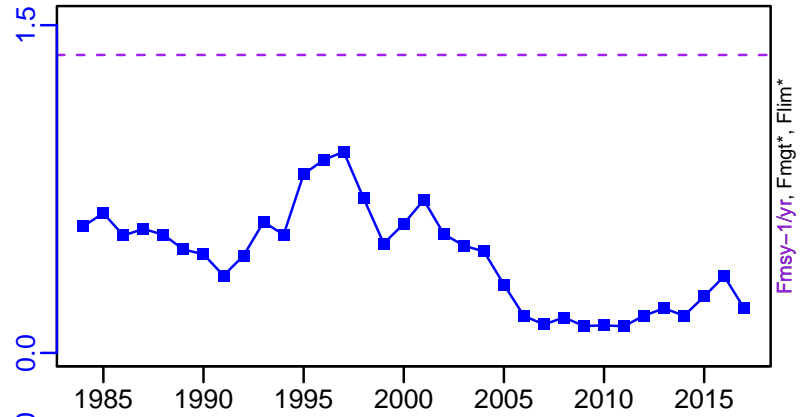
SSB-MT (1984–2017–SISIMP2021)



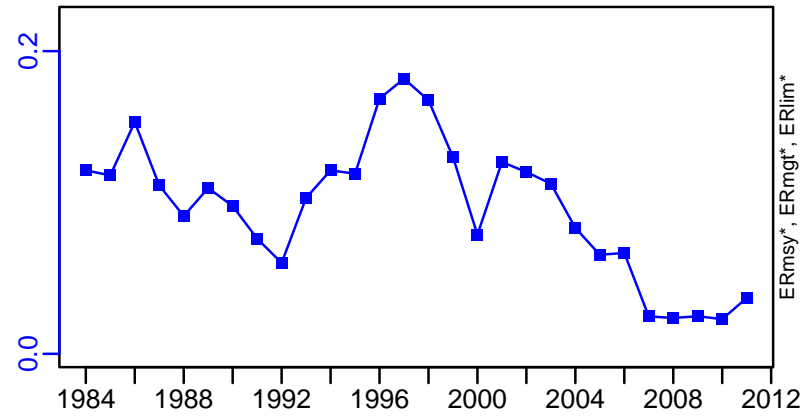
TN *



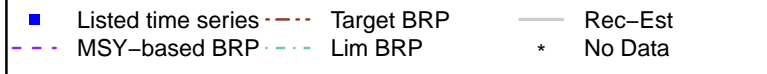
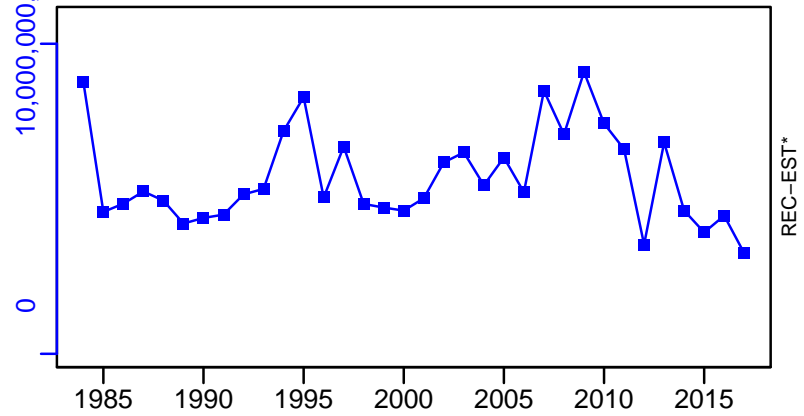
F-1/yr (1984–2017–SISIMP2021)



ER-ratio (1984–2011–HIVELY)



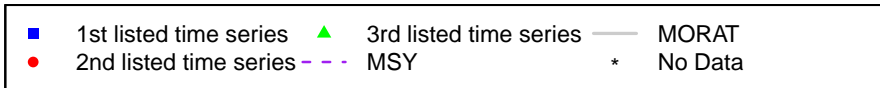
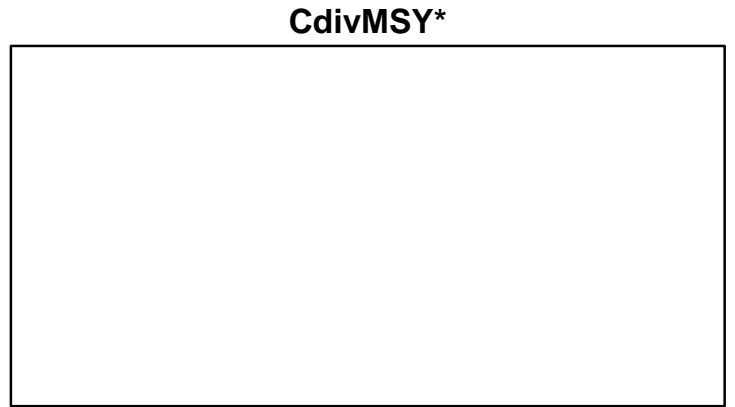
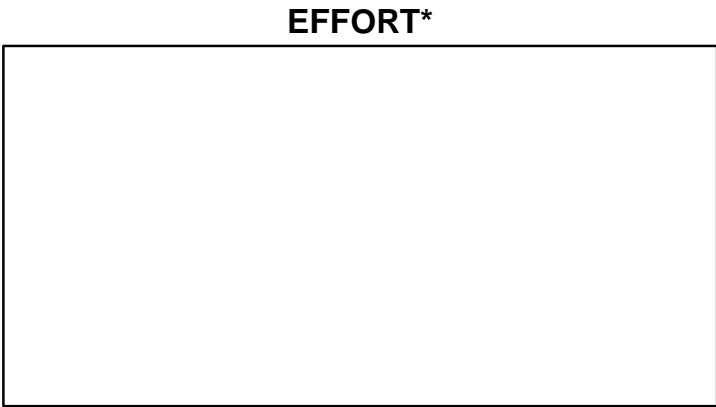
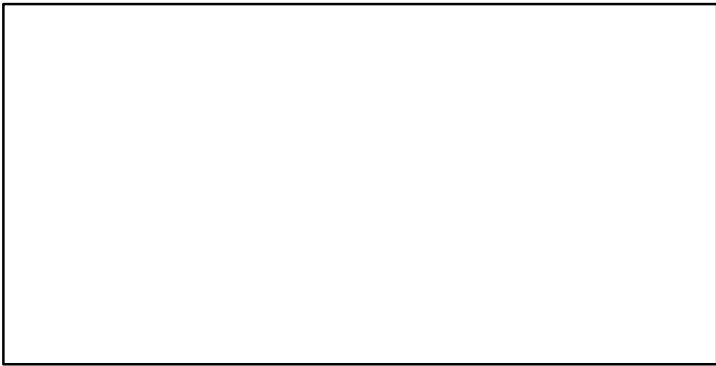
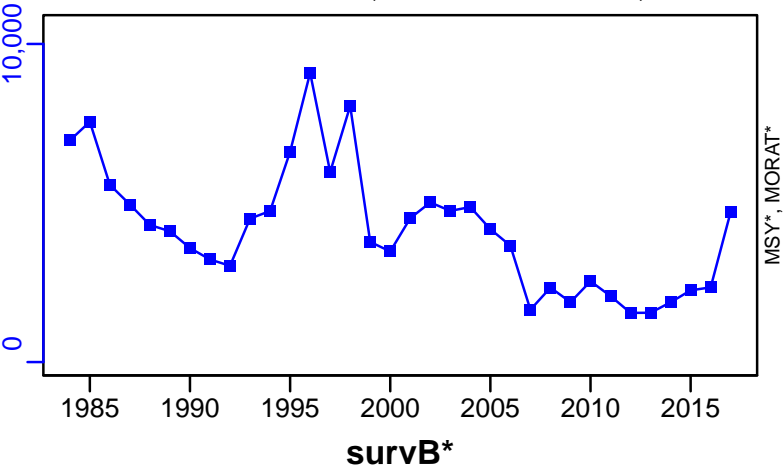
R-E00 (1984–2017–SISIMP2021)



Pink shrimp Gulf of Mexico [PINKSHRIMPGM]

TC-MT, TL*, RecC* (1984-2017-SISIMP2021)

TAC*, Cpair*, Cadv*



Deep water rose shrimp Northern Spain [PSHRMPMEDGSA6]

Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-PSHRMPMEDGSA6-2001-2012-OSIO
Area	Northern Spain
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011, 2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.27
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	145	-	2+
TN	-	-	-	-	-
R	R-E00	2012	1.26×10^8	-	-
F	F-1/yr	2012	1.48	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	120		
TL	TL-MT	2011	92		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	5.481		
ER/ERmgt	-	-	-		

Deep water rose shrimp Northern Spain [PSHRMPMEDGSA6]

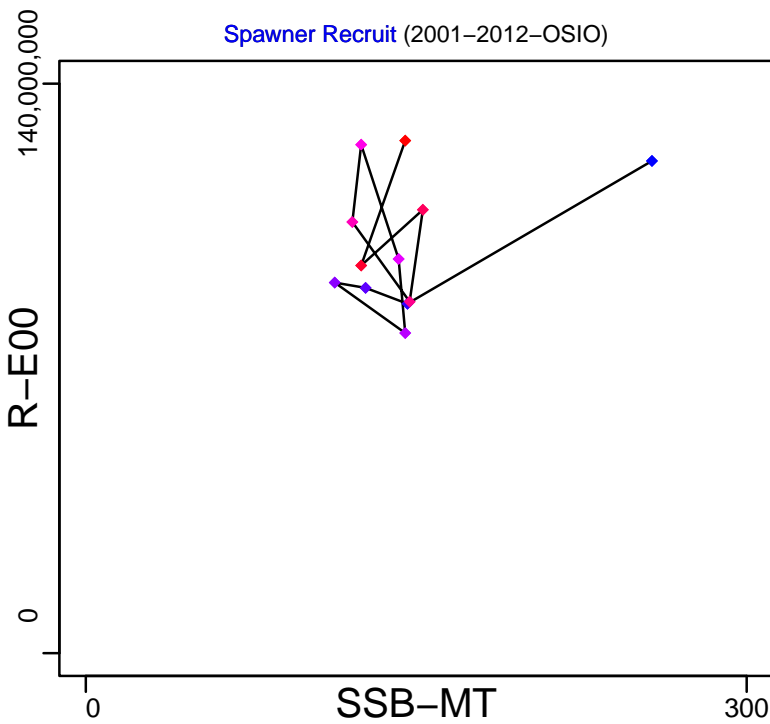
Kobe MSY*



Kobe MGT*



Spawner Recruit (2001–2012–OSIO)



Production*



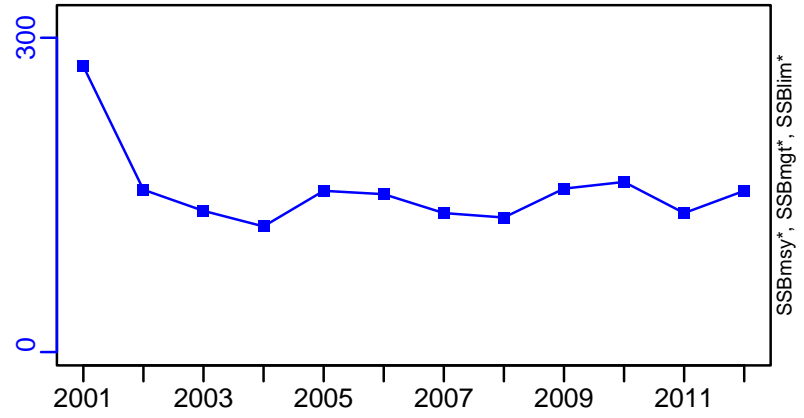
◆ Start Year ◆ End Year * No Data

Deep water rose shrimp Northern Spain [PSHRMPMEDGSA6]

TB*



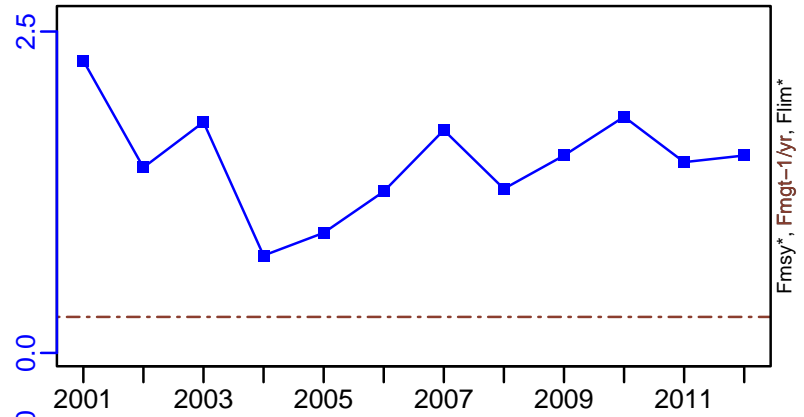
SSB-MT (2001–2012–OSIO)



TN *



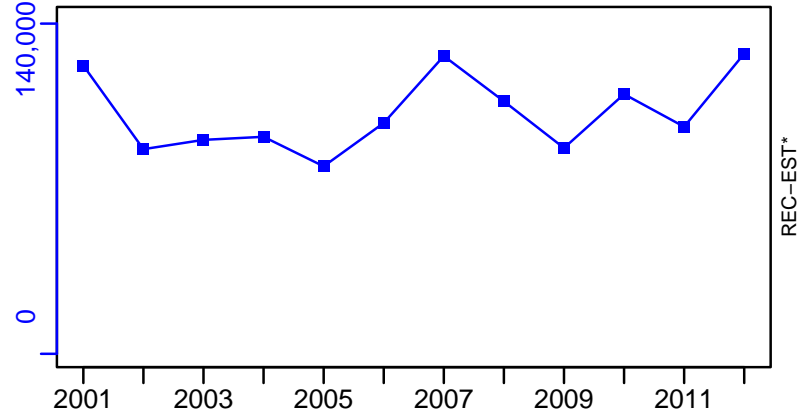
F-1/yr (2001–2012–OSIO)



ER*



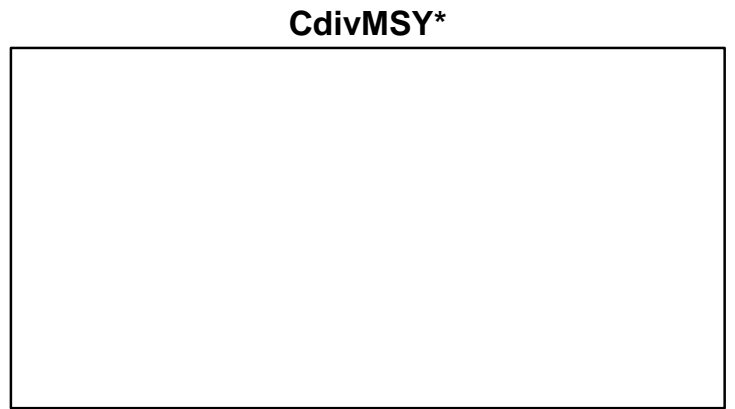
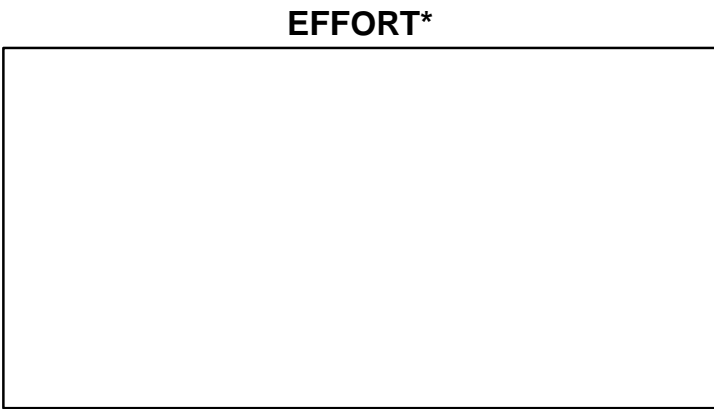
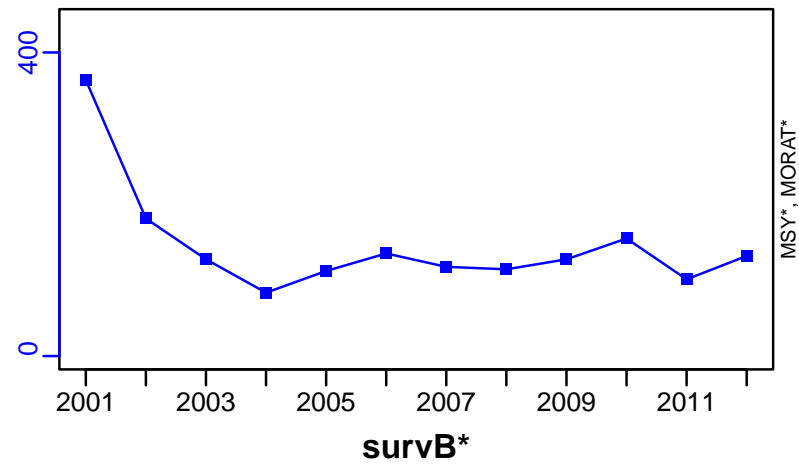
R-E00 (2001–2012–OSIO)



Deep water rose shrimp Northern Spain [PSHRMPMEDGSA6]

TC-MT, TL*, RecC* (2001–2012–OSIO)

TAC*, Cpair*, Cadv*



Red shrimp Northern Alboran Sea [RDSHRMPMEDGSA1]

Metadata	
Scientific Name	Aristeus antennatus
Current Assess ID	WGSAD-RDSHRMPMEDGSA1-2002-2022-HIVELY
Area	Northern Alboran Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Working Group on Stock Assessment of Demersal Species
Asmts in RAM	2014, 2019, 2021, 2022

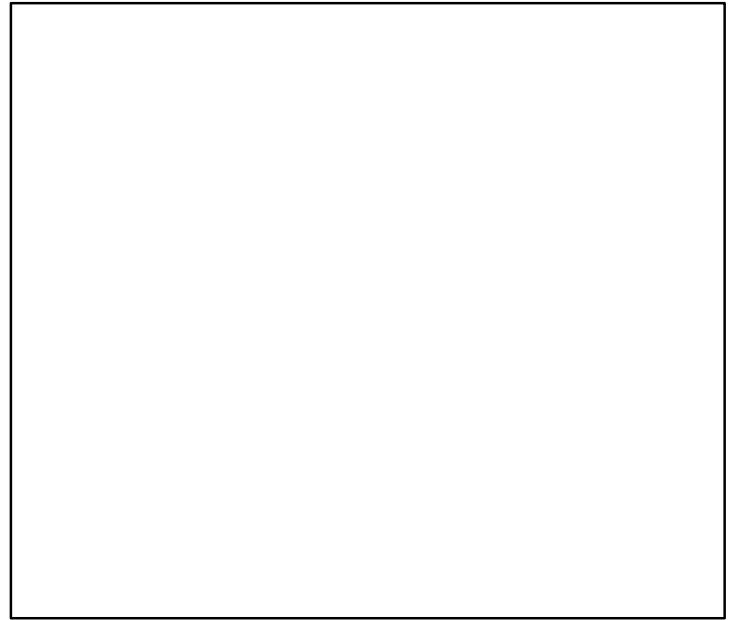
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2022	0.7
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	1287
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2022	1141	-	-
SSB	SSB-MT	2022	197	-	-
TN	-	-	-	-	-
R	R-E00	2022	153,132,000	-	-
F	F-1/yr	2022	0.542	-	1 to 2
ER	ER-calc-ratio	2022	0.094	-	-
TC	TC-MT	2022	108		
TL	TL-MT	2022	108		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2022	0.775		
ER/ERmgt	-	-	-		

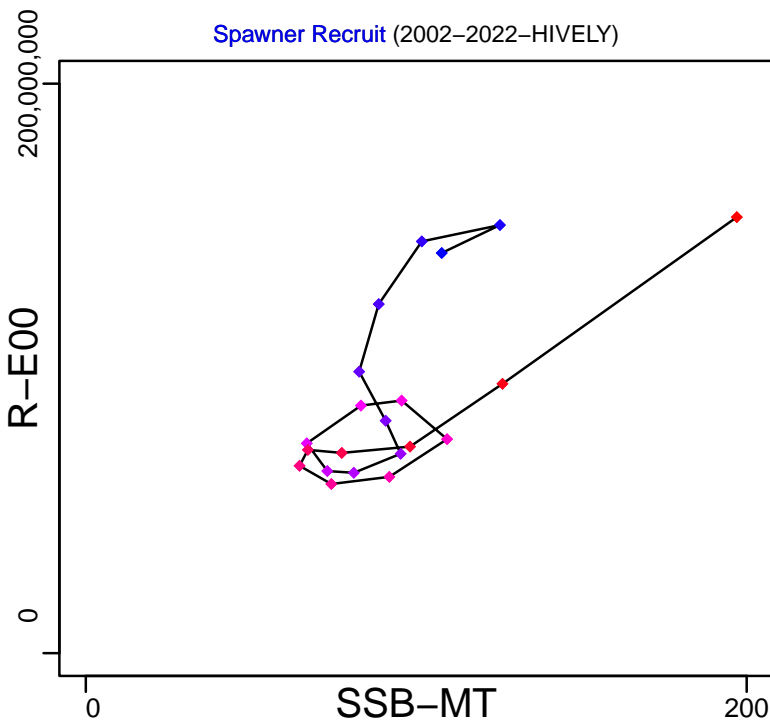
Kobe MSY*



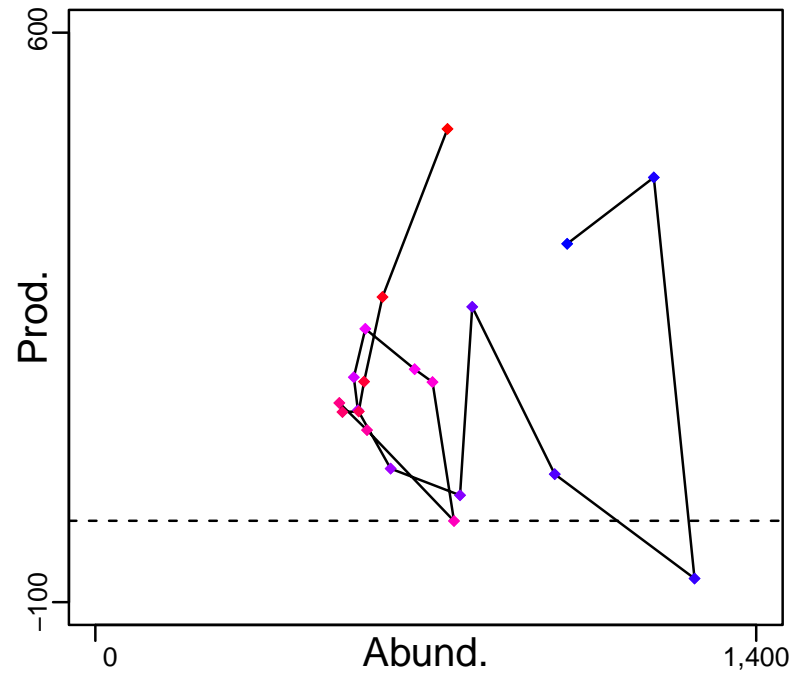
Kobe MGT*



Spawner Recruit (2002–2022–HIVELY)



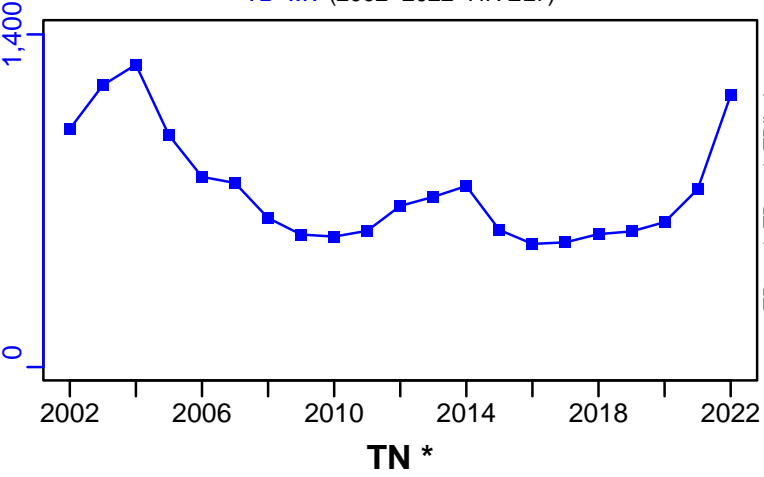
Production (2002–2022–HIVELY)



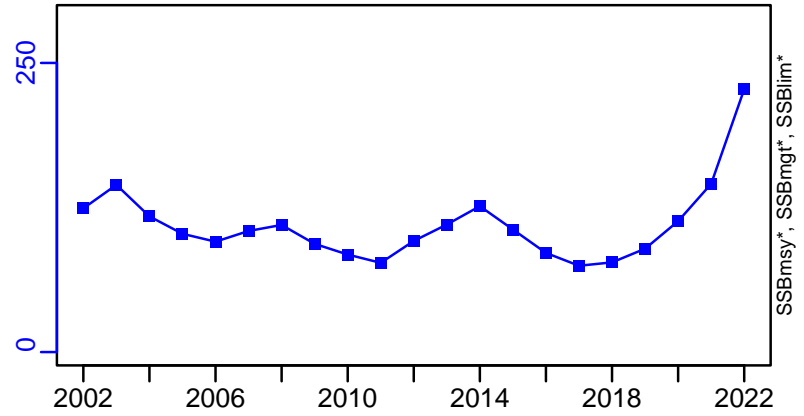
◆ Start Year ◆ End Year * No Data

Red shrimp Northern Alboran Sea [RDSHRMPMEDGSA1]

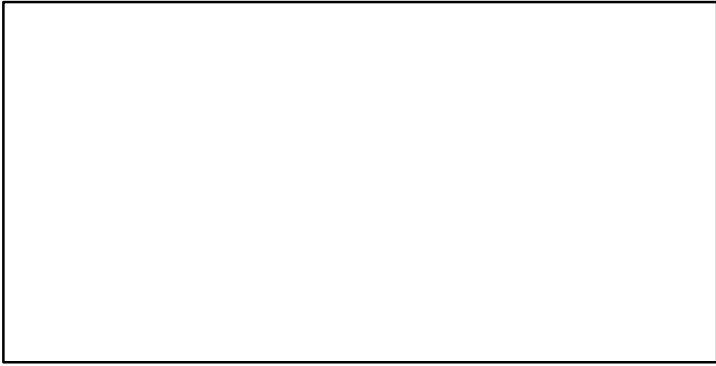
TB-MT (2002–2022–HIVELY)



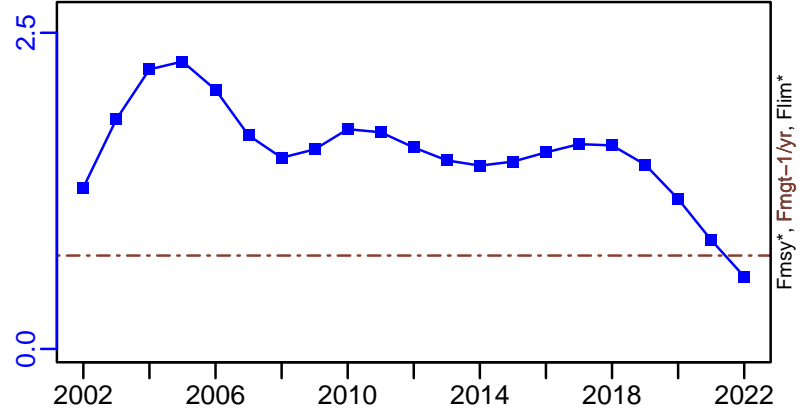
SSB-MT (2002–2022–HIVELY)



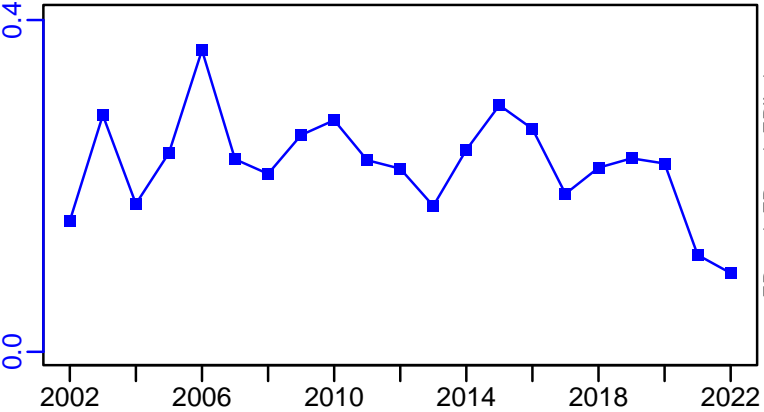
TN *



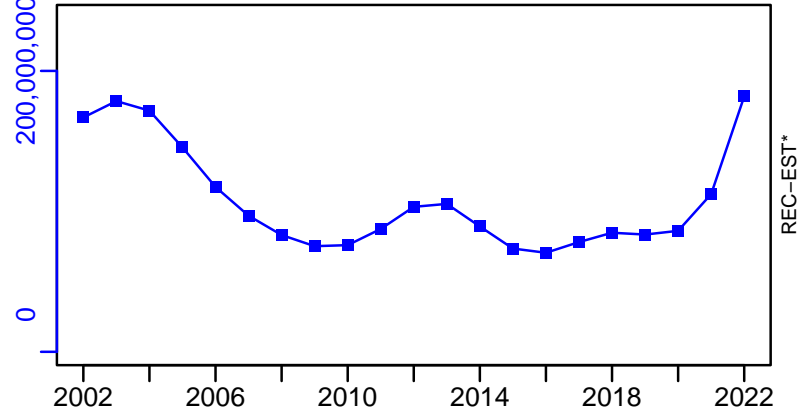
F-1/yr (2002–2022–HIVELY)



ER-calc-ratio (2002–2022–HIVELY)



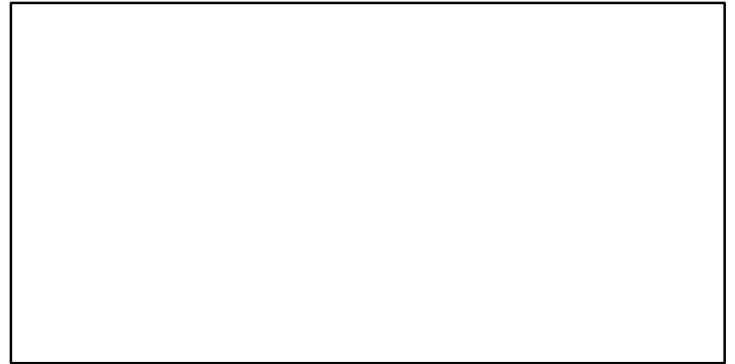
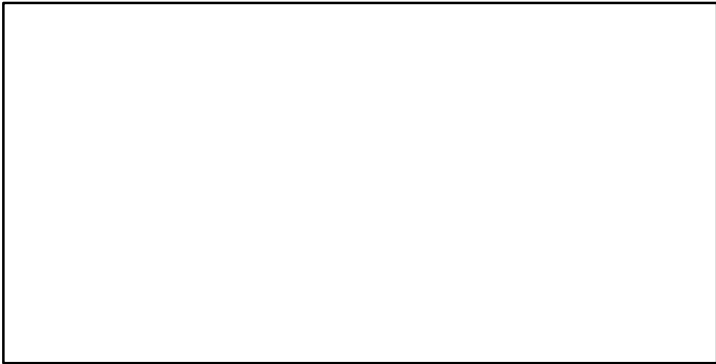
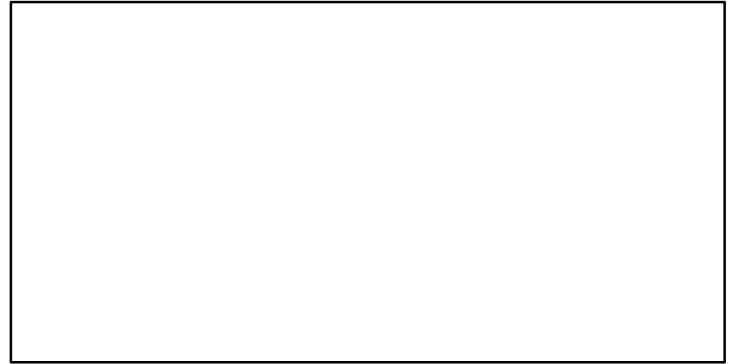
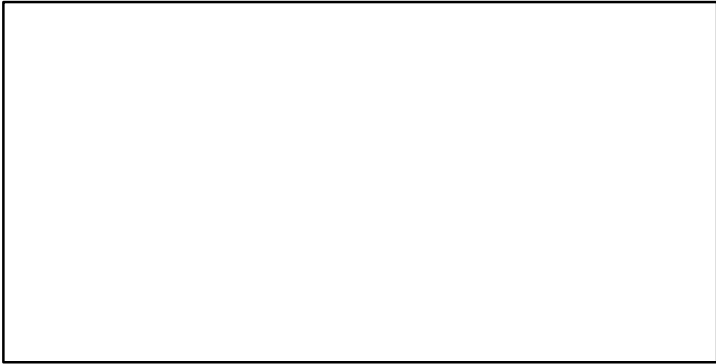
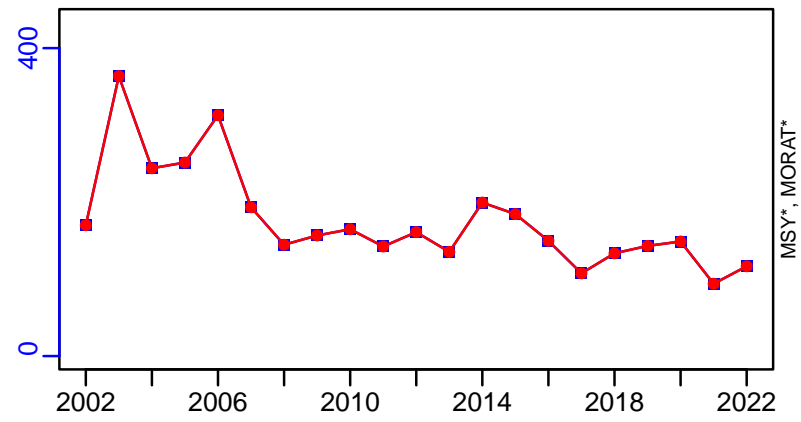
R-E00 (2002–2022–HIVELY)



Red shrimp Northern Alboran Sea [RDSHRMPMEDGSA1]

TC-MT, TL-MT, RecC* (2002–2022–HIVELY)

TAC*, Cpair*, Cadv*



Red shrimp Malta Island and South of Sicily (GSA 15, 16)
[RDSHRMPMEDGSA15-16]

Metadata	
Scientific Name	Aristeus antennatus
Current Assess ID	STECF-RDSHRMPMEDGSA15-16-2009-2012-OSIO
Area	Malta Island and South of Sicily (GSA 15, 16)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.26
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	2012	94		
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

TB*



SSB*



TN *



F*



ER*

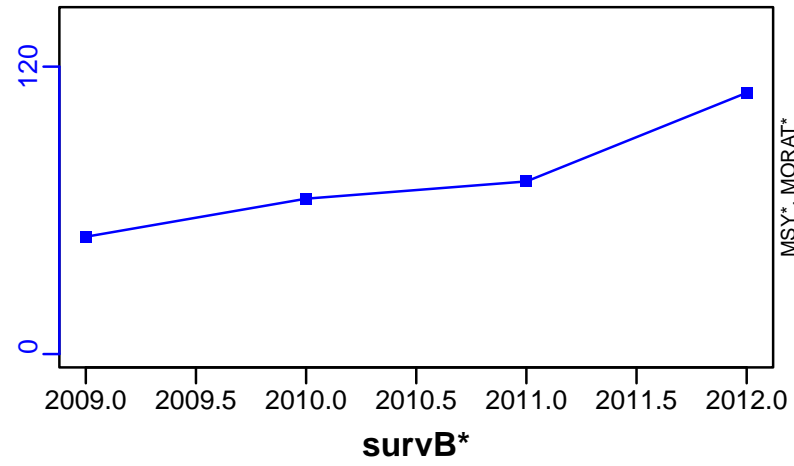


Recruits*

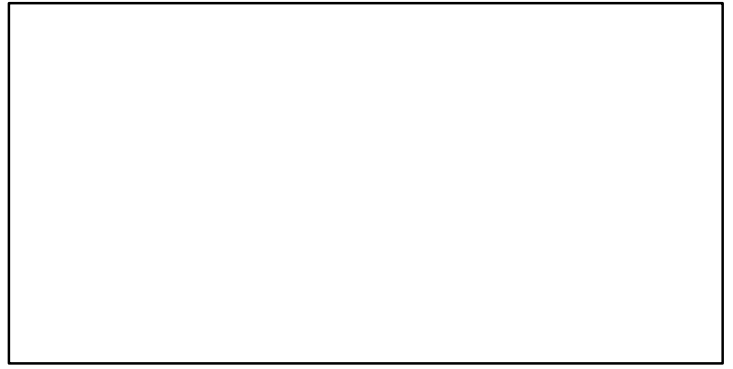


Red shrimp Malta Island and South of Sicily (GSA 15, 16) [RDSHRMPMEDGSA15-16]

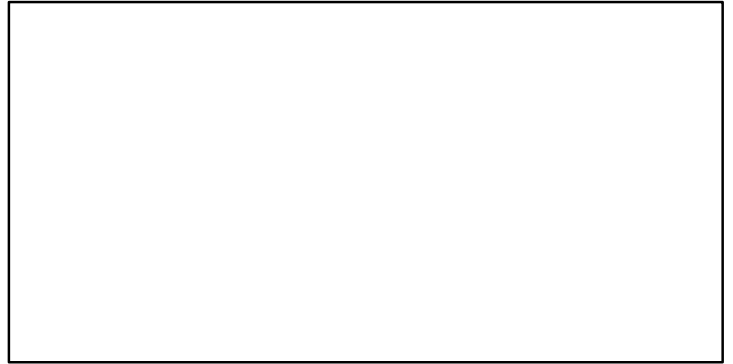
TC-MT, TL*, RecC* (2009-2012-OSIO)



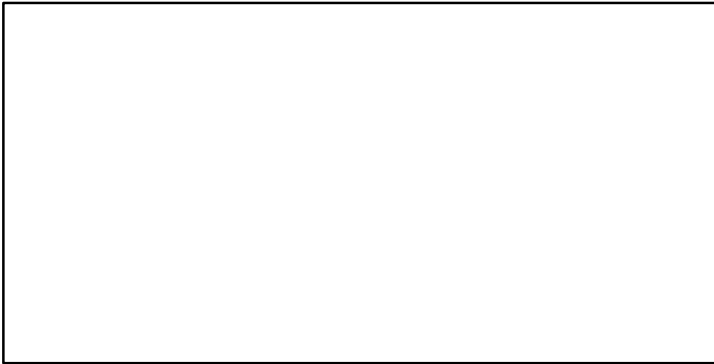
TAC*, Cpair*, Cadv*



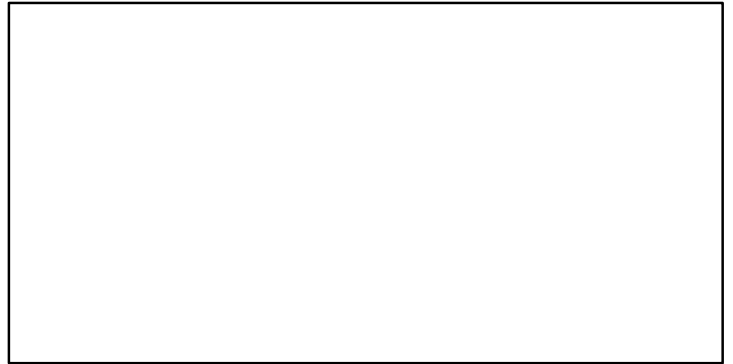
CPUE*



EFFORT*



CdivMSY*



Red shrimp Geographical Sub-Areas 6-7 [RDSHRMPMEDGSA6-7]

Metadata	
Scientific Name	Aristeus antennatus
Current Assess ID	STECF-RDSHRMPMEDGSA6-7-2002-2019-MEDIMP2021-2
Area	Geographical Sub-Areas 6-7
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.288
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	348	-	-
TN	-	-	-	-	-
R	R-E00	2019	678,770,728	-	-
F	F-1/yr	2019	1.305	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	566		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	4.538		
ER/ERmgt	-	-	-		

Red shrimp Geographical Sub-Areas 6-7 [RDSHRMPMEDGSA6-7]

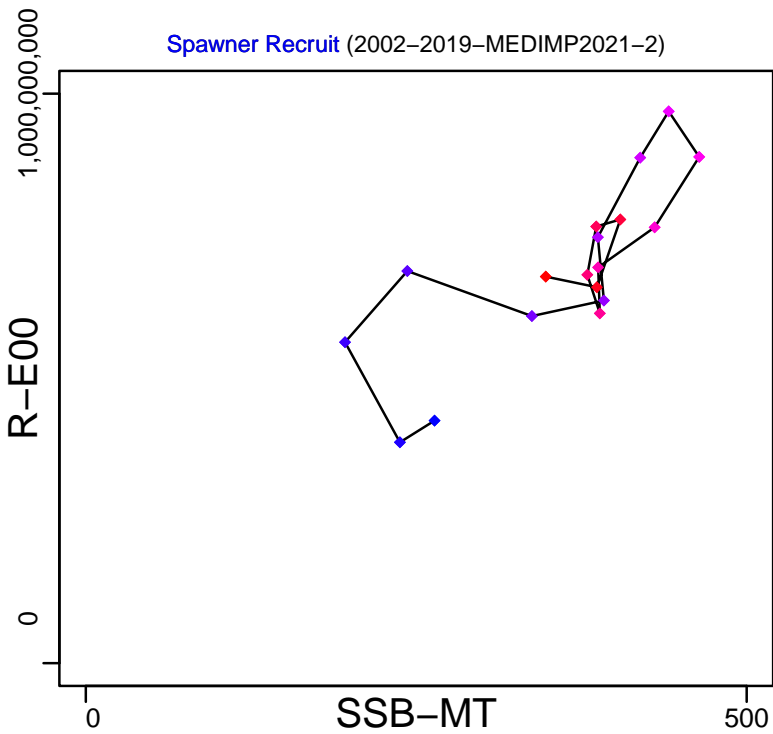
Kobe MSY*



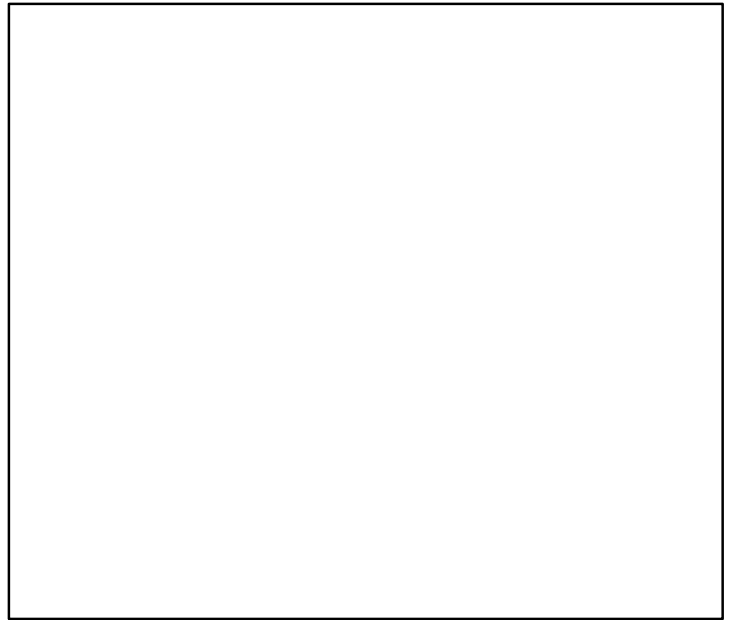
Kobe MGT*



Spawner Recruit (2002-2019-MEDIMP2021-2)



Production*



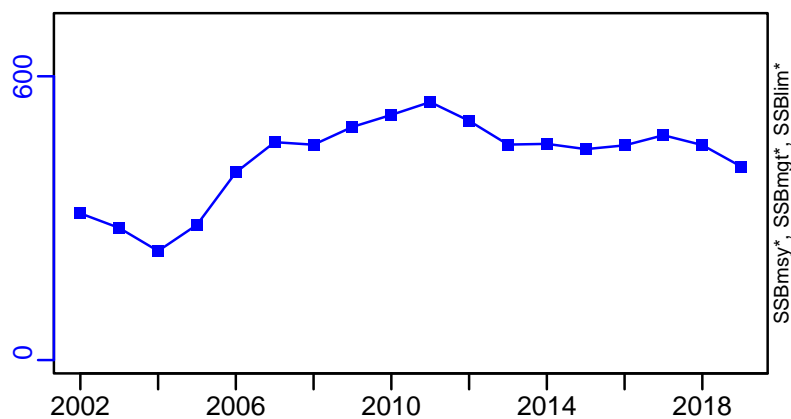
◆ Start Year ◆ End Year * No Data

Red shrimp Geographical Sub-Areas 6-7 [RDSHRMPMEDGSA6-7]

TB*



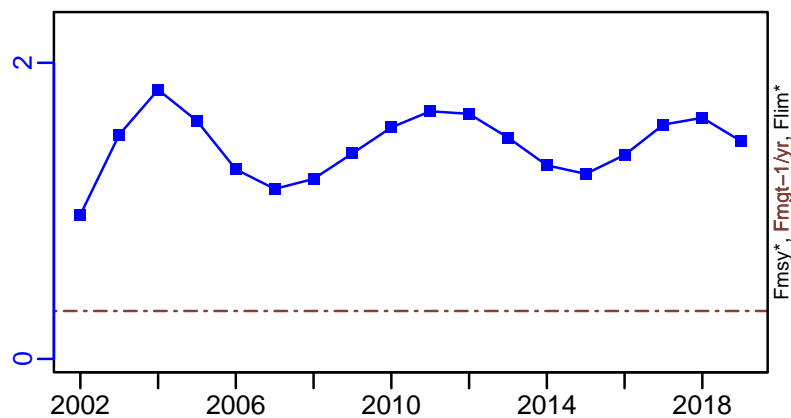
SSB-MT (2002-2019-MEDIMP2021-2)



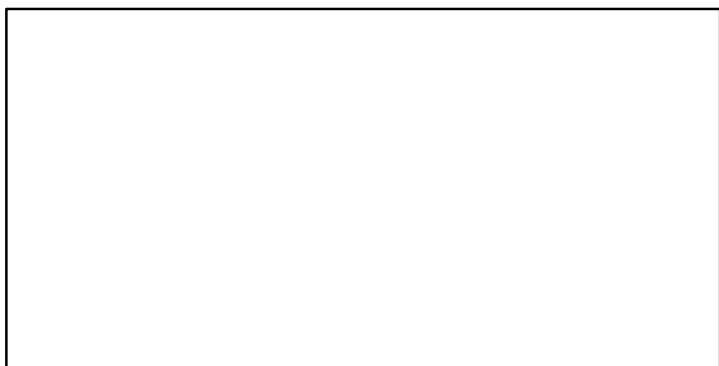
TN *



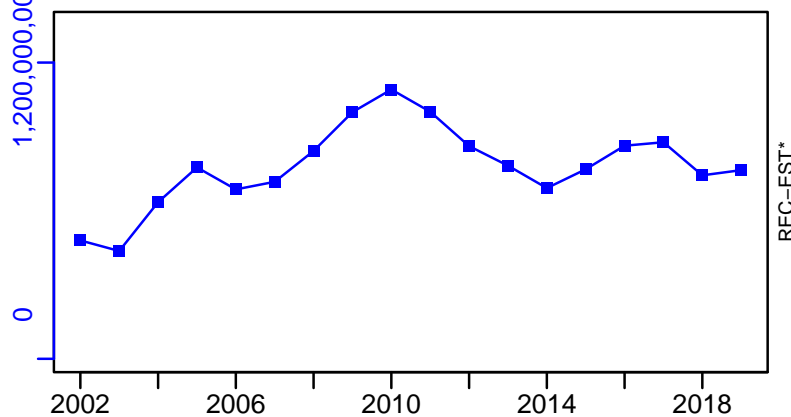
F-1/yr (2002-2019-MEDIMP2021-2)



ER*



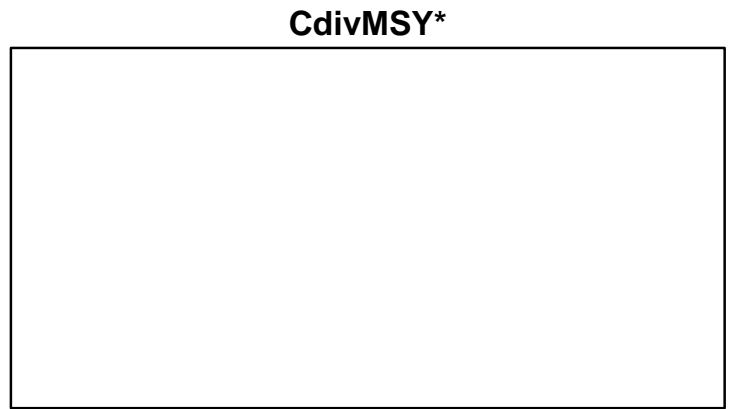
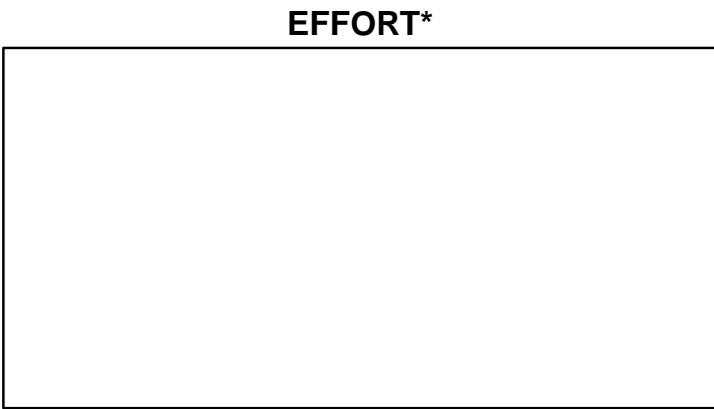
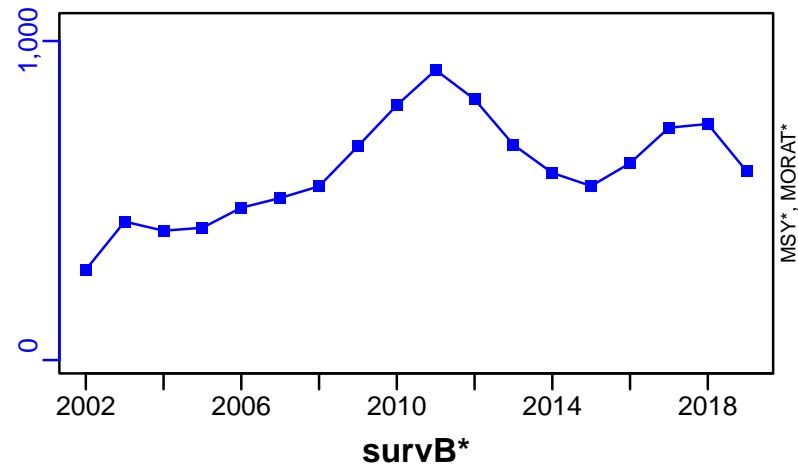
R-E00 (2002-2019-MEDIMP2021-2)



Red shrimp Geographical Sub-Areas 6-7 [RDSHRMPMEDGSA6-7]

TC-MT, TL*, RecC* (2002-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



Red shrimp Geographical Sub-Areas 9-11 [RDSHRMPMEDGSA9-11]

Metadata	
Scientific Name	Aristeus antennatus
Current Assess ID	STECF-RDSHRMPMEDGSA9-11-2006-2019-MEDIMP2021-2
Area	Geographical Sub-Areas 9-11
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.328
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	232	-	-
TN	-	-	-	-	-
R	R-E00	2019	43,108,168	-	-
F	F-1/yr	2019	1.778	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	366		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	5.418		
ER/ERmgt	-	-	-		

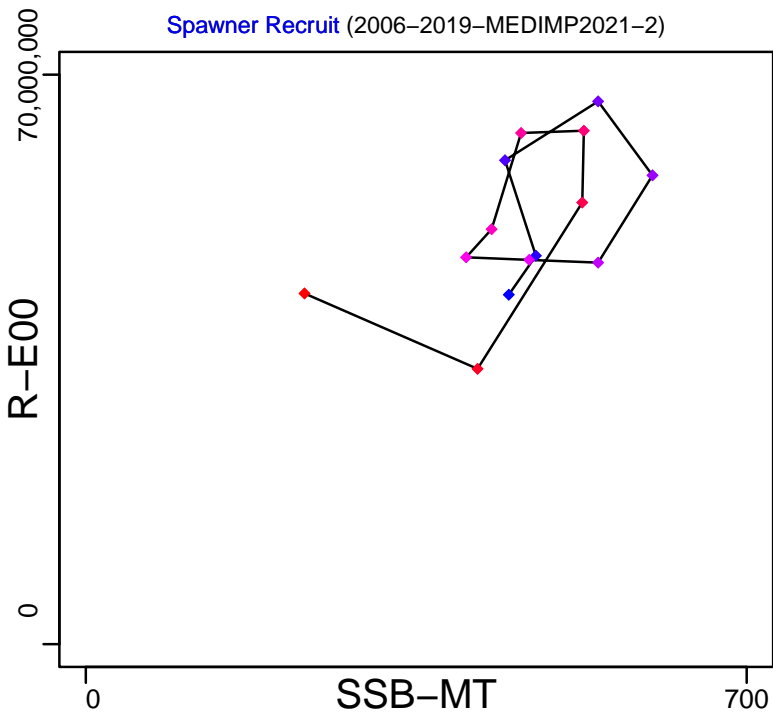
Kobe MSY*



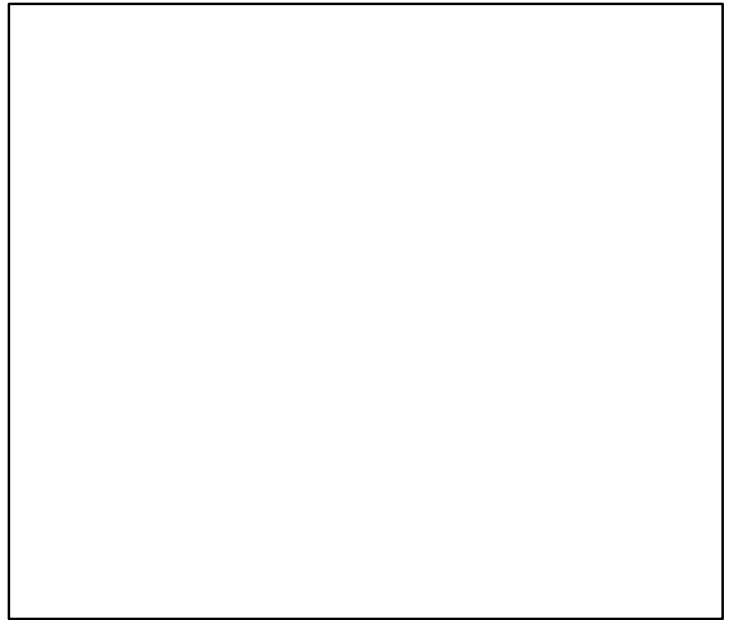
Kobe MGT*



Spawner Recruit (2006–2019–MEDIMP2021–2)



Production*



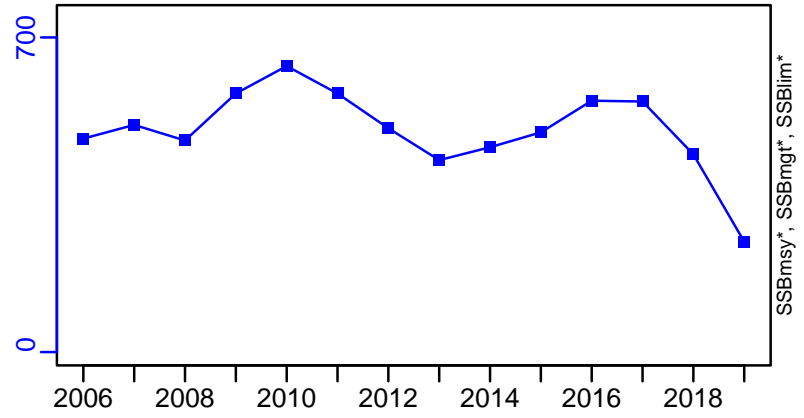
◆ Start Year ◆ End Year * No Data

Red shrimp Geographical Sub-Areas 9–11 [RDSHRMPMEDGSA9–11]

TB*



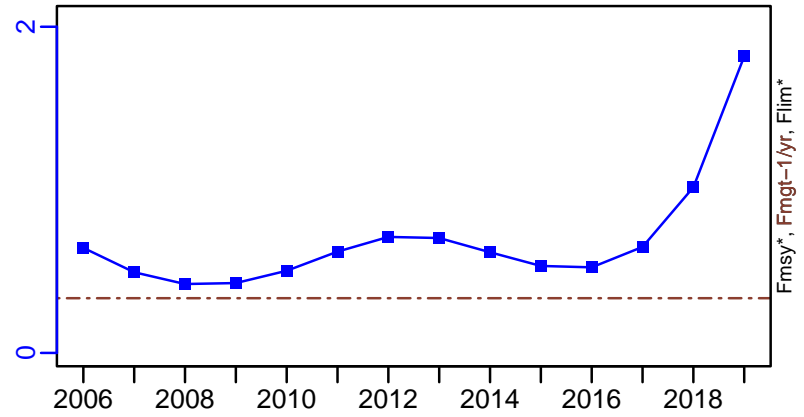
SSB-MT (2006–2019–MEDIMP2021–2)



TN *



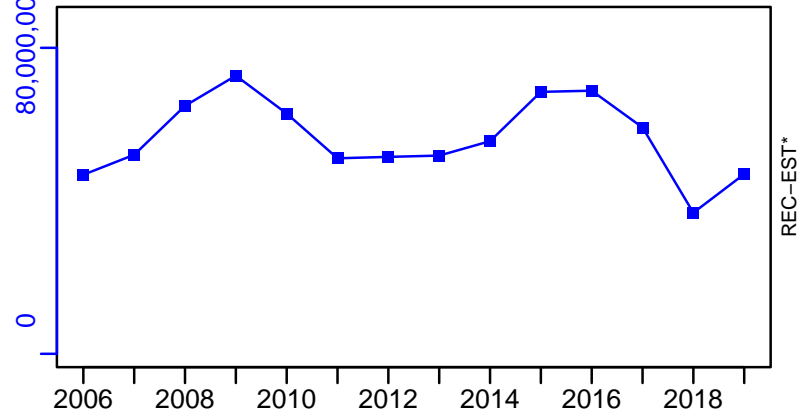
F-1/yr (2006–2019–MEDIMP2021–2)



ER*



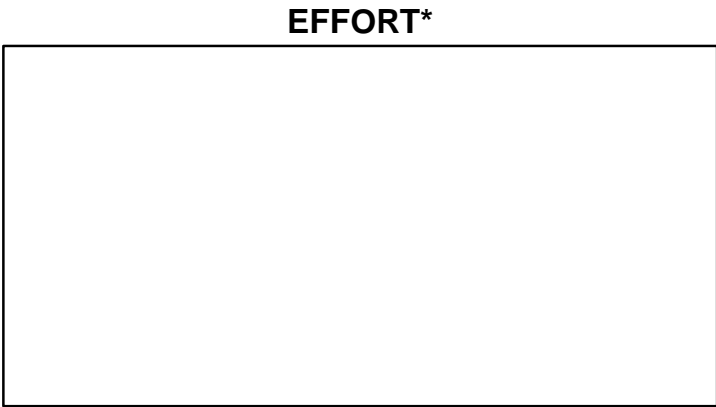
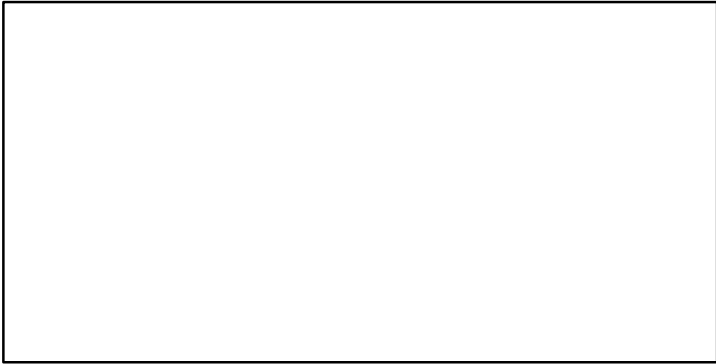
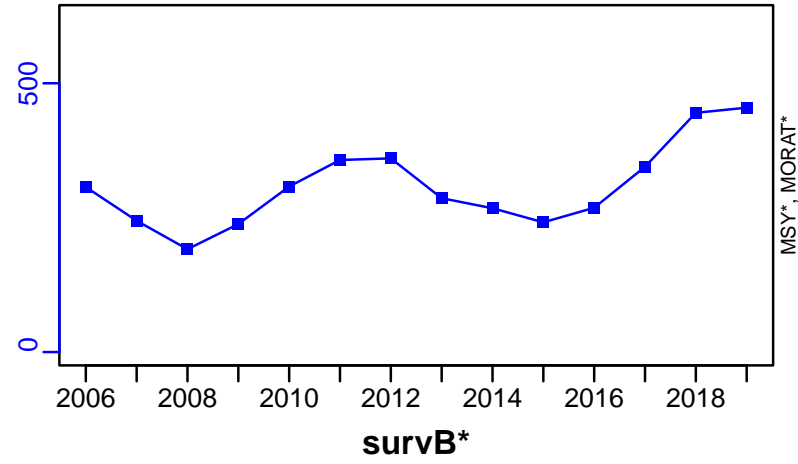
R-E00 (2006–2019–MEDIMP2021–2)



Red shrimp Geographical Sub-Areas 9–11 [RDSHRMPMEDGSA9–11]

TC–MT, TL*, RecC* (2006–2019–MEDIMP2021–2)

TAC*, Cpair*, Cadv*

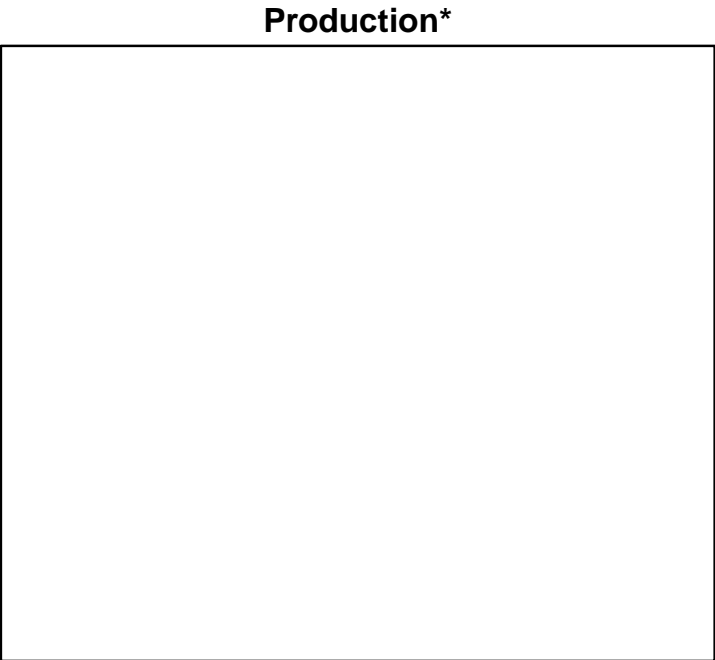
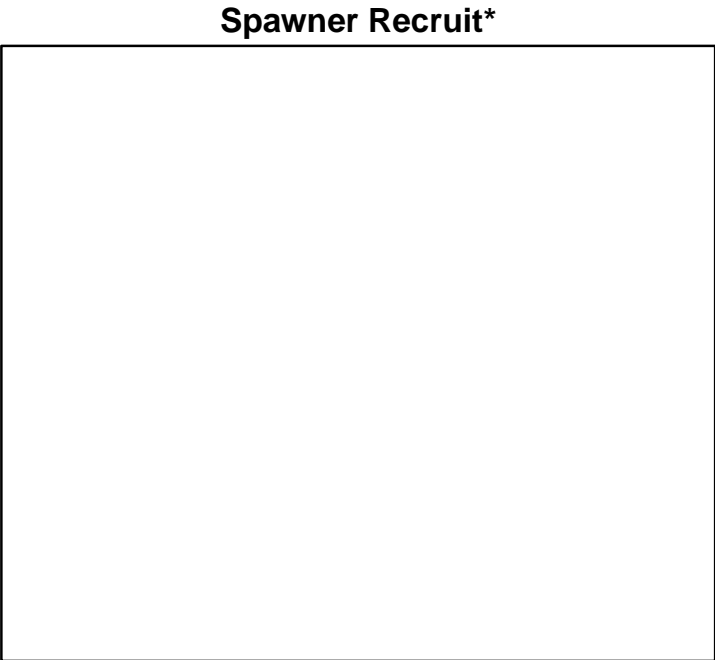
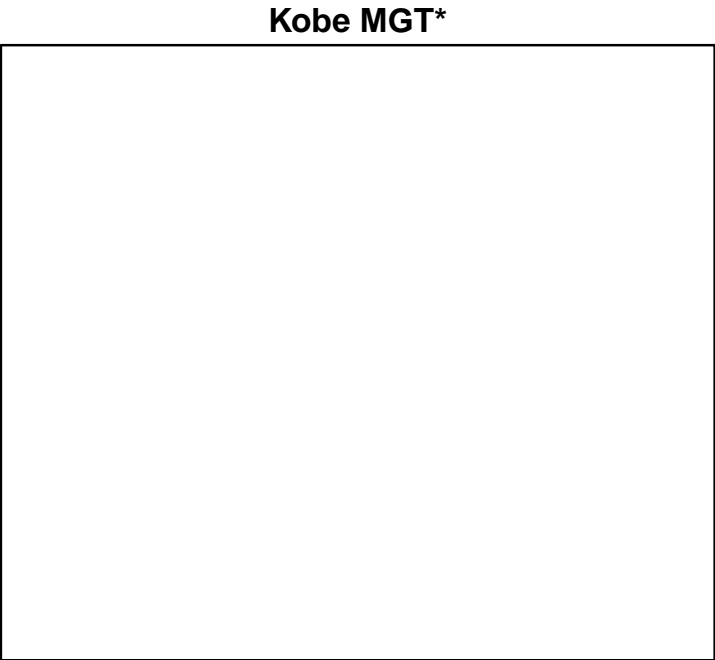
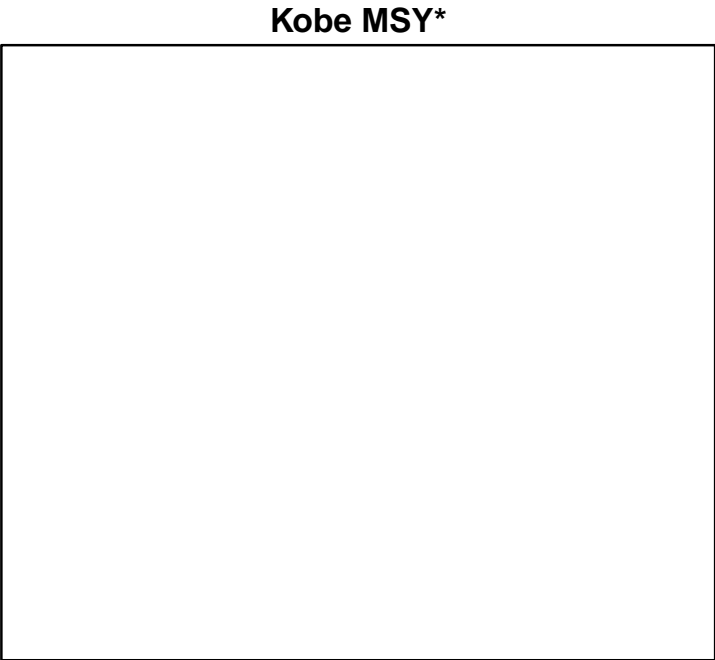


Royal red shrimp Gulf of Mexico [RRSHRIMPGM]

Metadata	
Scientific Name	Pleoticus robustus
Current Assess ID	SEFSC-RRSHRIMPGM-1994-2019-SISIMP2021-2
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2019

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	2019	54		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



◆ Start Year ◆ End Year * No Data

Royal red shrimp Gulf of Mexico [RRSHRIMPGM]

TB*



SSB*



TN *



F*



ER*



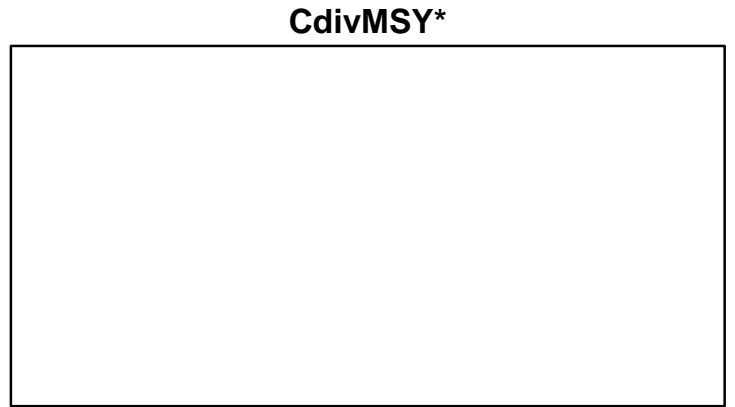
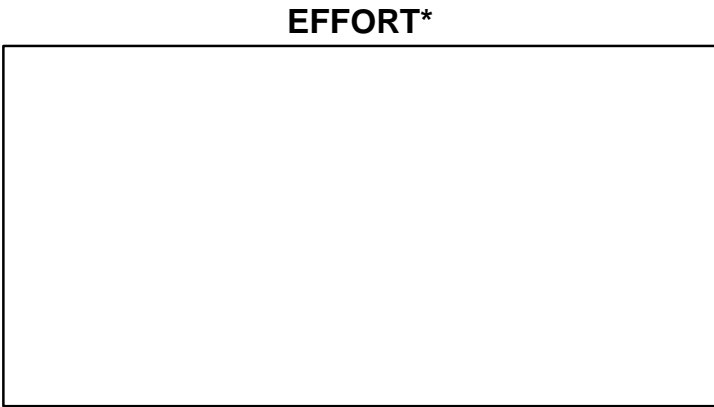
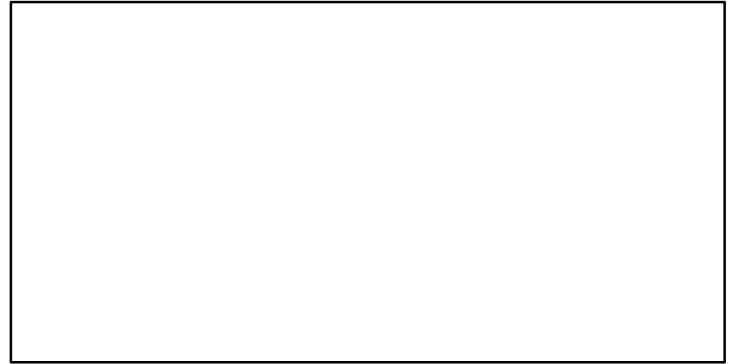
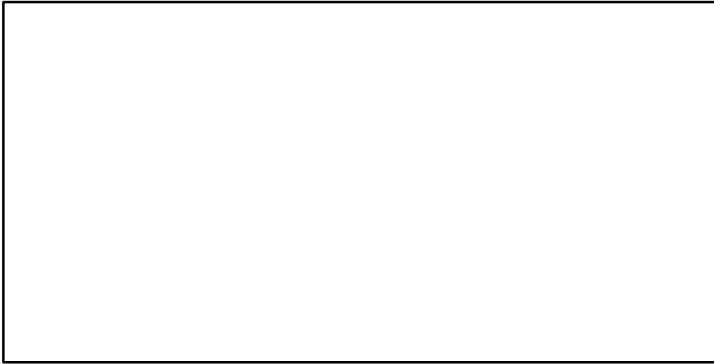
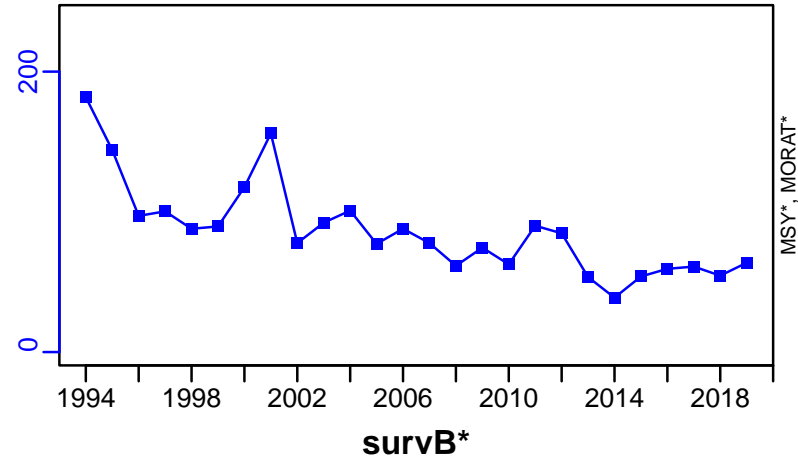
Recruits*



Royal red shrimp Gulf of Mexico [RRSHRIMPGM]

TC-MT, TL*, RecC* (1994-2019-SISIMP2021-2)

TAC*, Cpair*, Cadv*



Deep water rose shrimp Northern Alboran Sea [RSHRMPMEDGSA1]

Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	WGSAD-RSHRMPMEDGSA1-2002-2022-HIVELY
Area	Northern Alboran Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Working Group on Stock Assessment of Demersal Species
Asmts in RAM	2012, 2015, 2022

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2022	0.7
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	701	-	-
SSB	SSB-MT	2022	345	-	-
TN	-	-	-	-	-
R	R-E00	2022	881,104	-	-
F	F-1/yr	2022	0.869	-	0 to 2
ER	ER-calc-ratio	2015	0.163	-	-
TC	TC-MT	2022	686		
TL	TL-MT	2015	114		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2022	1.242		
ER/ERmgt	-	-	-		

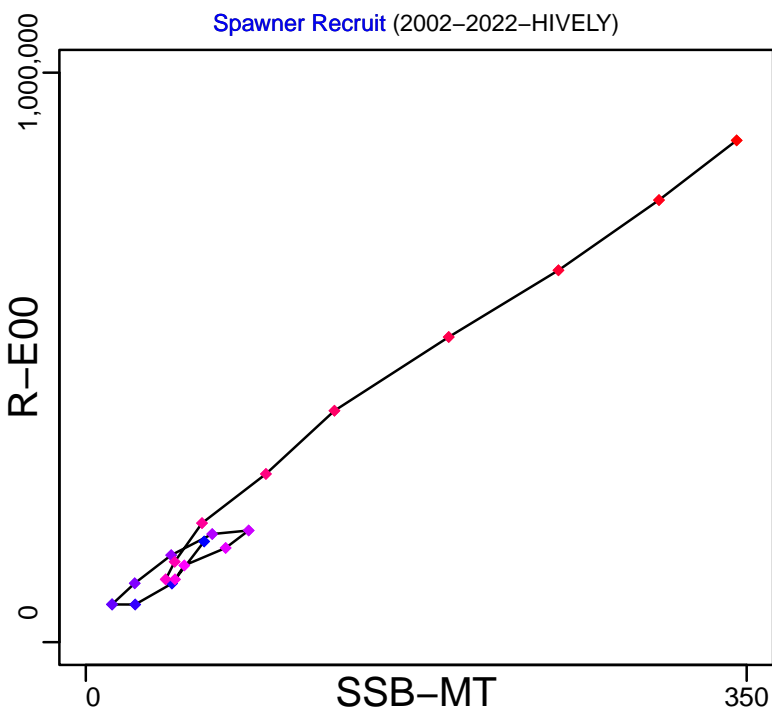
Kobe MSY*



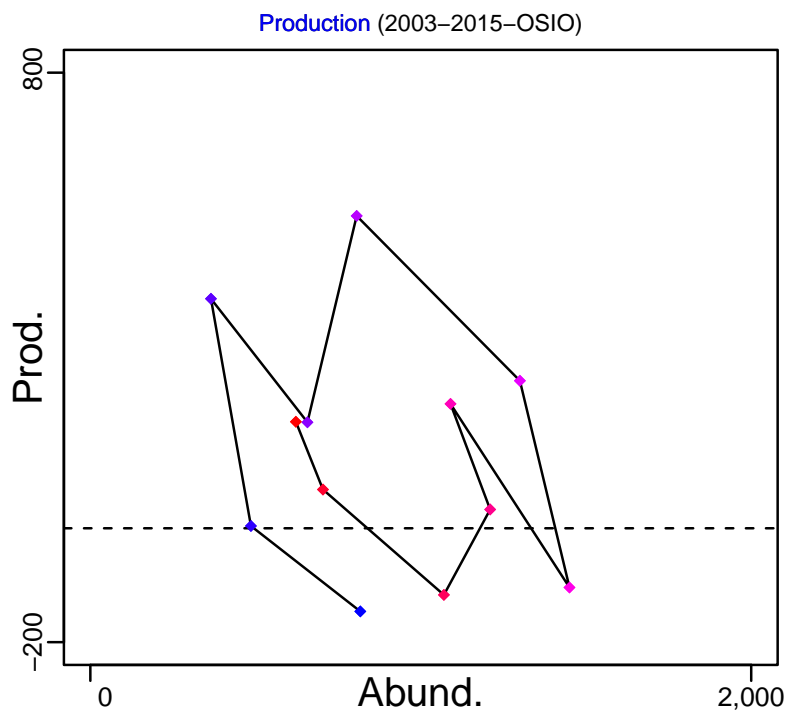
Kobe MGT*



Spawner Recruit (2002–2022–HIVELY)



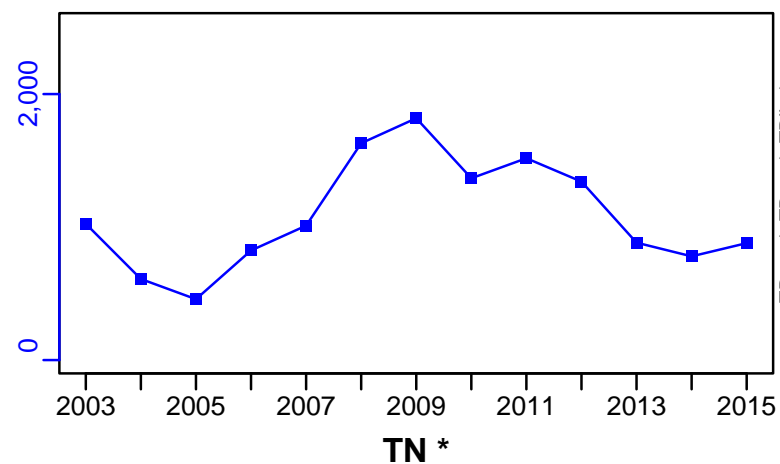
Production (2003–2015–OSIO)



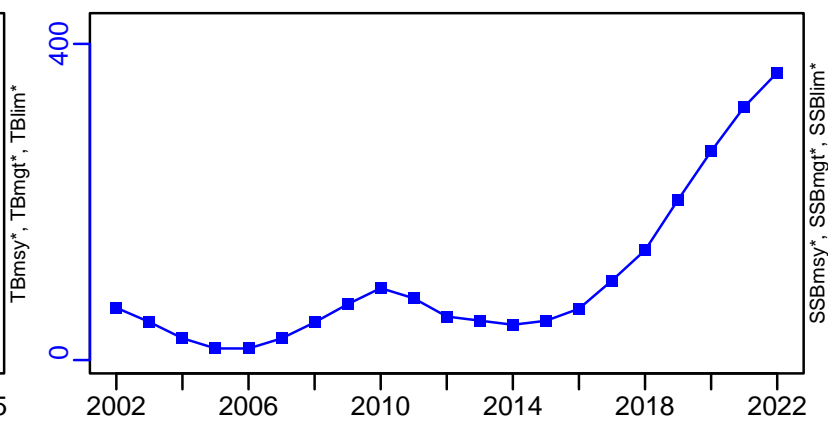
◆ Start Year ◆ End Year * No Data

Deep water rose shrimp Northern Alboran Sea [RSHRMPMEDGSA1]

TB-MT (2003–2015–OSIO)



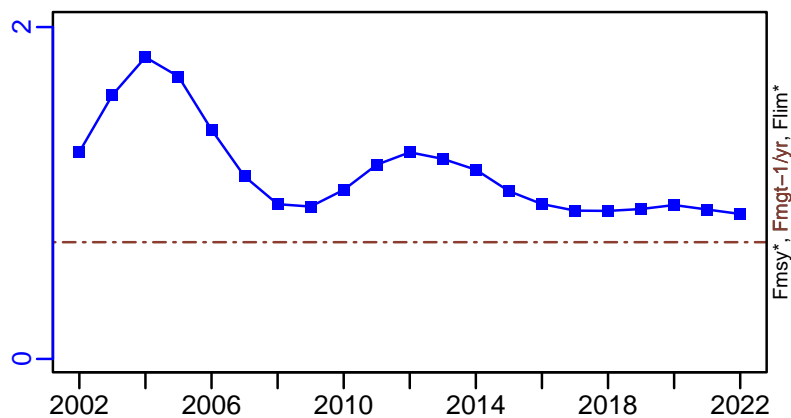
SSB-MT (2002–2022–HIVELY)



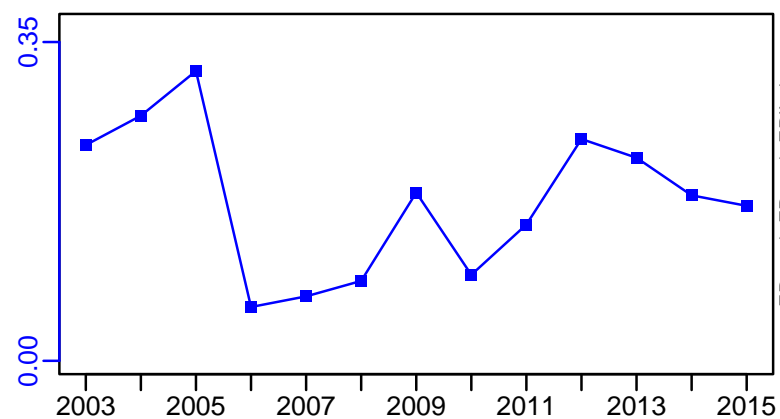
TN *



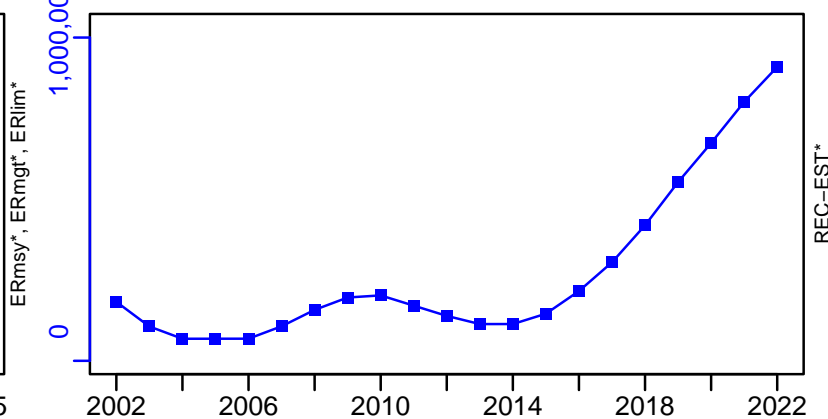
F-1/yr (2002–2022–HIVELY)



ER-calc-ratio (2003–2015–OSIO)

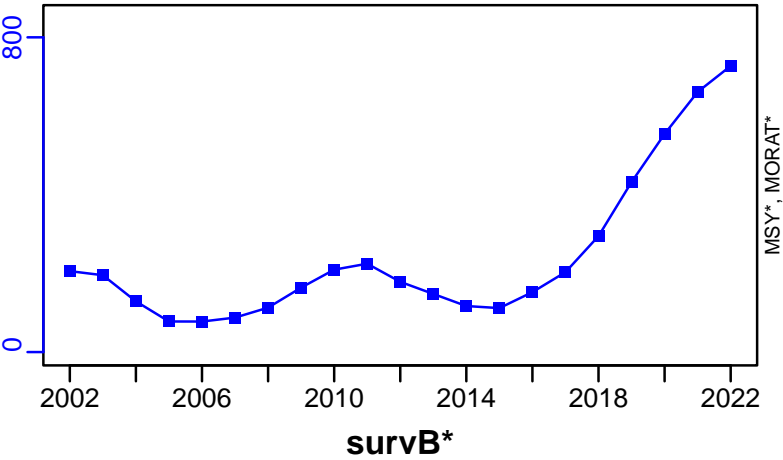


R-E00 (2002–2022–HIVELY)



Deep water rose shrimp Northern Alboran Sea [RSHRMPMEDGSA1]

TC-MT, TL*, RecC* (2002-2022-HIVELY)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



CdivMSY*

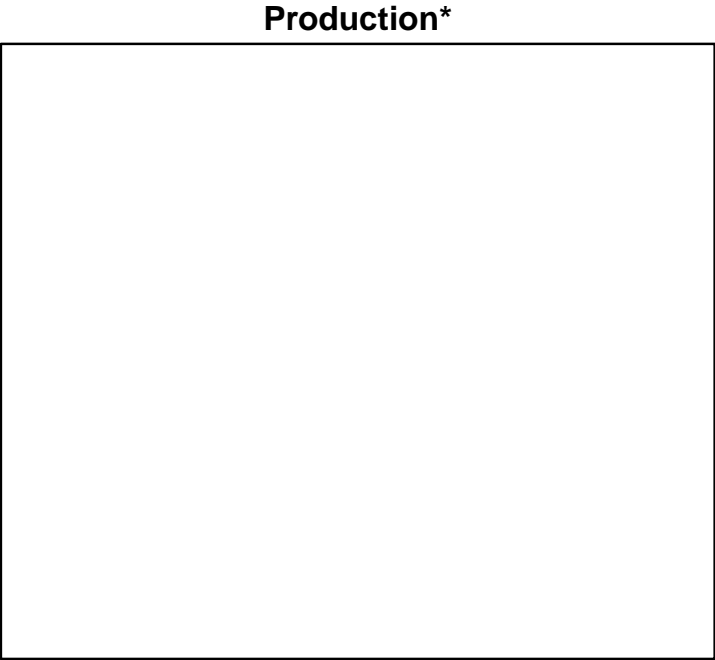
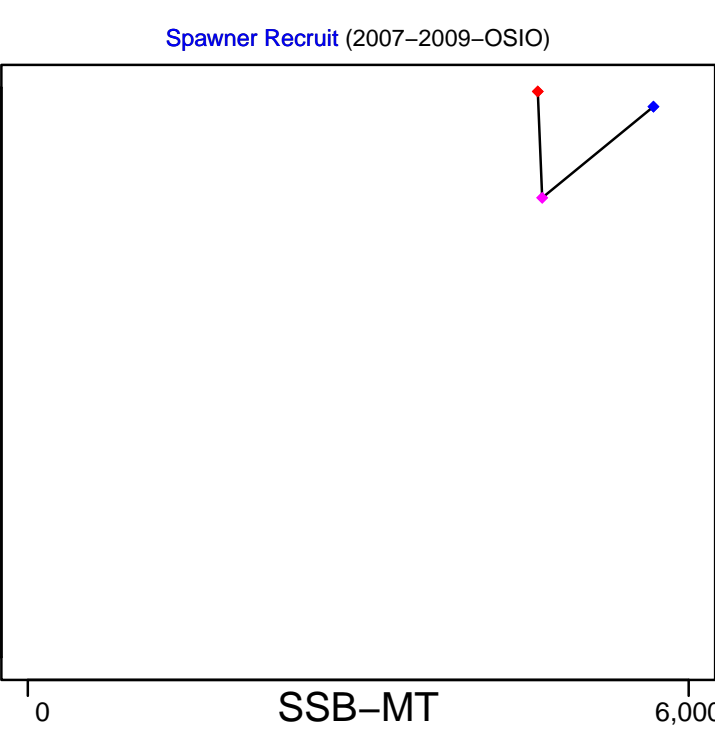
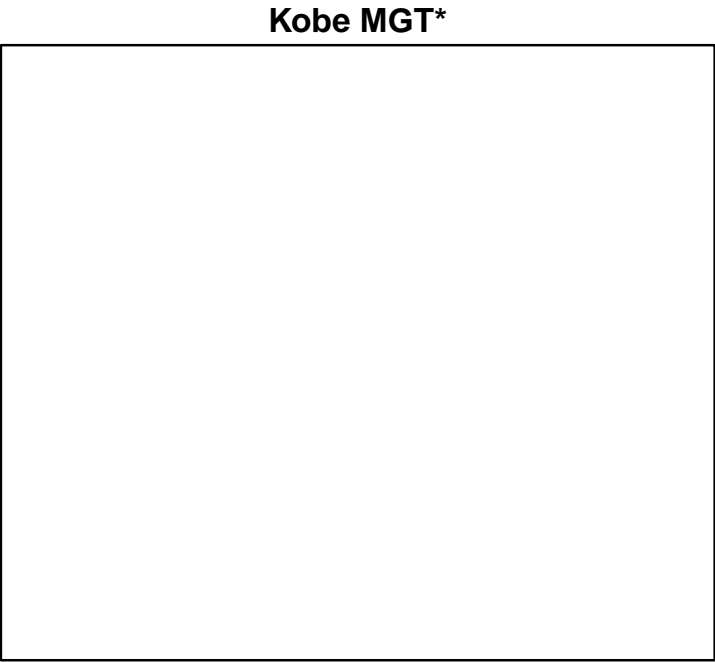
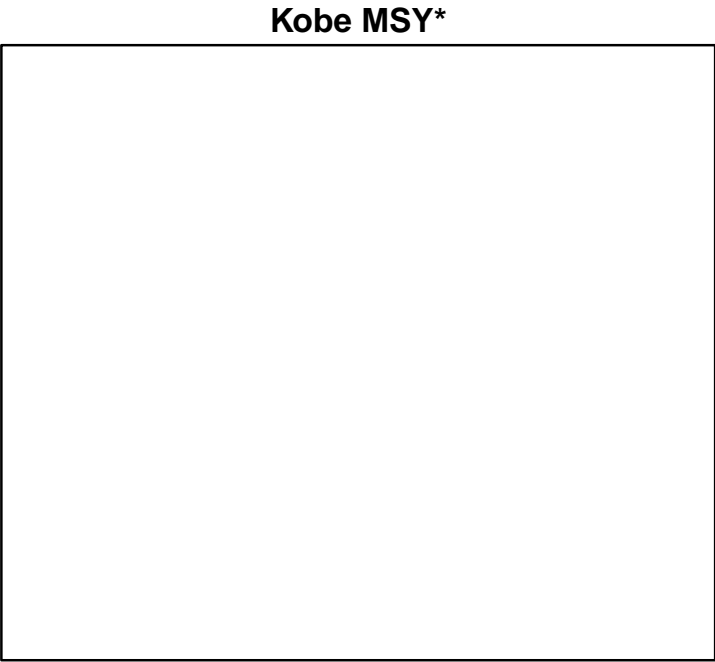


Deep water rose shrimp Geographical Sub-Areas 12-16 [RSHRMPMEDGSA12-16]

Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-RSHRMPMEDGSA12-16-2007-2009-OSIO
Area	Geographical Sub-Areas 12-16
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011, 2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-extr-1/yr	2011	1.21
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2009	0.9
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	1.05
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

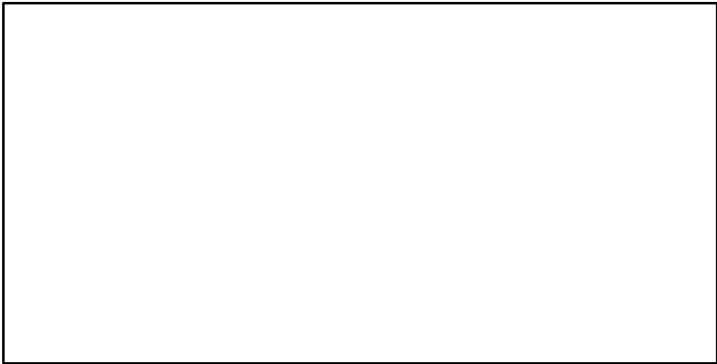
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2009	4630	Both	-
TN	-	-	-	-	-
R	R-E00	2009	2.98×10^9	-	-
F	F-1/yr	2011	1.65	-	-
ER	-	-	-	-	-
TC	TC-MT	2009	8810		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	FdivFmsy-dimensionless	2011	1.4		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2009	1.533		
ER/ERmgt	-	-	-		



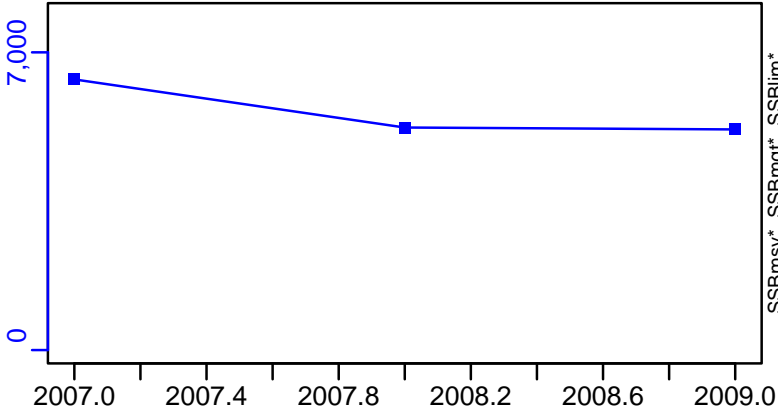
◆ Start Year ◆ End Year * No Data

Deep water rose shrimp Geographical Sub-Areas 12-16 [RSHRMPMEDGSA12-16]

TB*



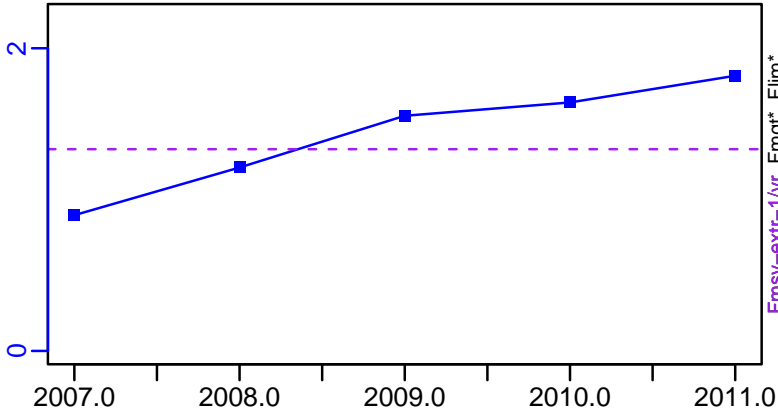
SSB-MT (2007-2009-OSIO)



TN *



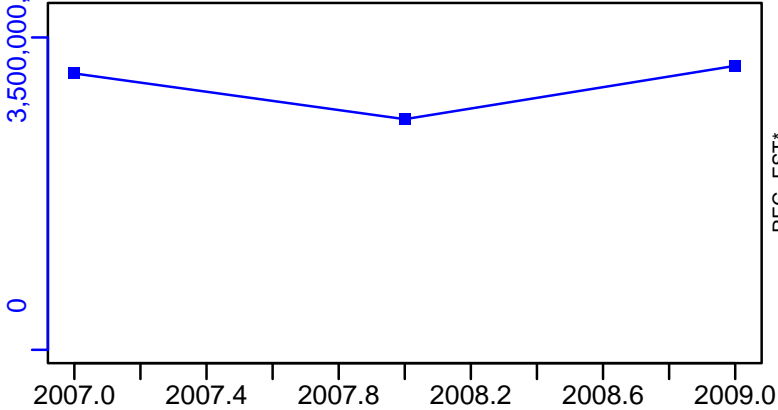
F-1/yr (2007-2011-BANOBI)



ER*

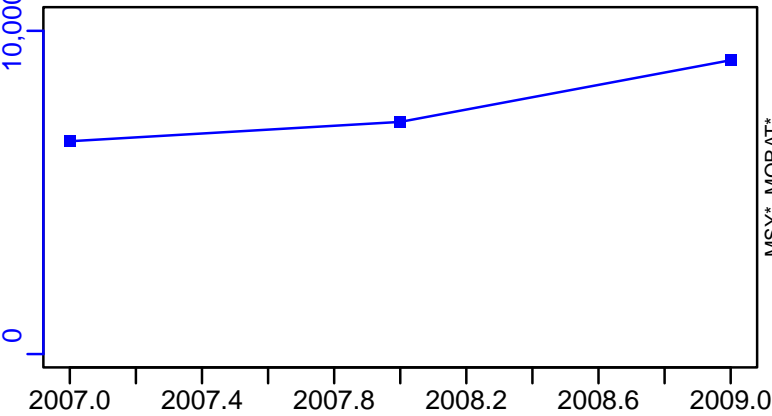


R-E00 (2007-2009-OSIO)

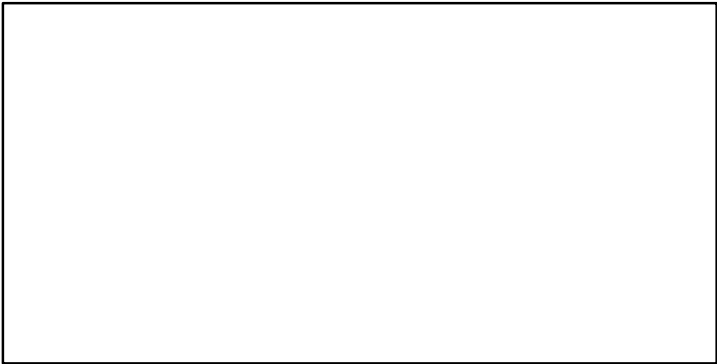


Deep water rose shrimp Geographical Sub-Areas 12–16 [RSHRMPMEDGSA12–16]

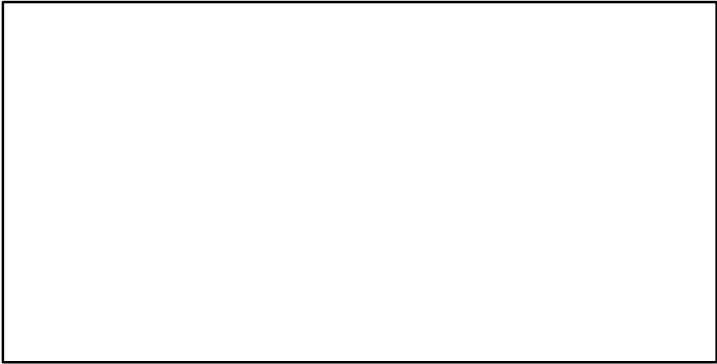
TC–MT, TL*, RecC* (2007–2009–OSIO)



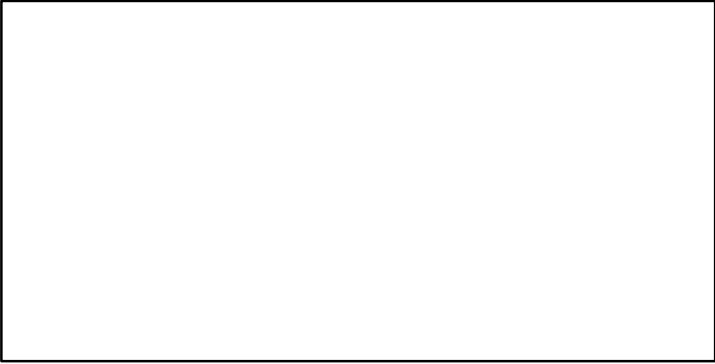
TAC*, Cpair*, Cadv*



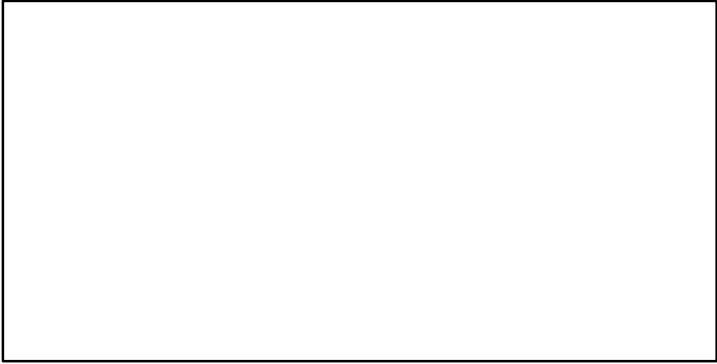
CPUE*



EFFORT*



CdivMSY*



Deep water rose shrimp Geographical Sub-Areas 17-19 [RSHRMPMEDGSA17-19]

Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-RSHRMPMEDGSA17-19-2002-2019-MEDIMP2021-2
Area	Geographical Sub-Areas 17-19
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2019, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.505
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	3221	-	-
TN	-	-	-	-	-
R	R-E00	2019	7,490,295,088	-	-
F	F-1/yr	2019	1.488	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	5993		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	2.949		
ER/ERmgt	-	-	-		

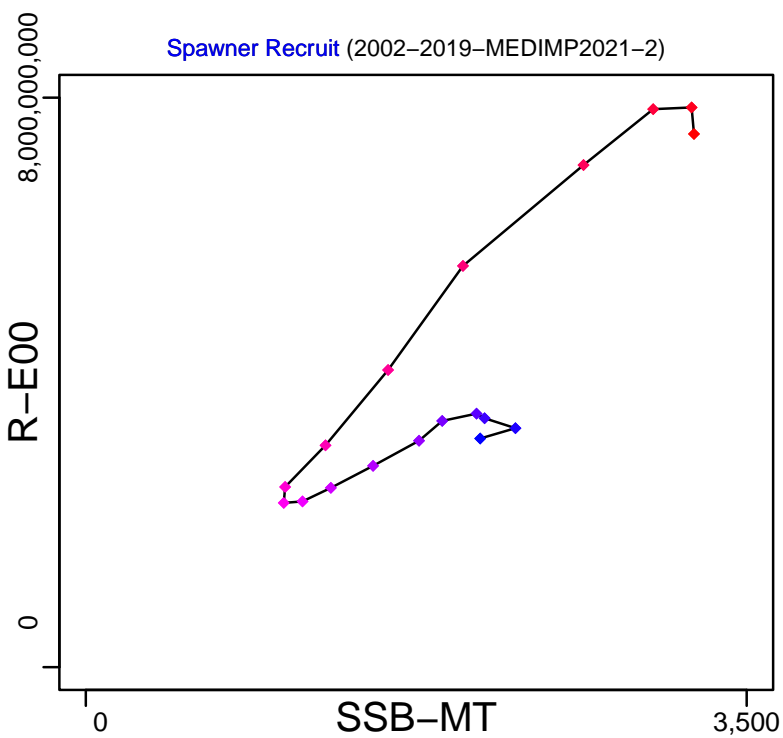
Kobe MSY*



Kobe MGT*



Spawner Recruit (2002–2019–MEDIMP2021–2)



Production*



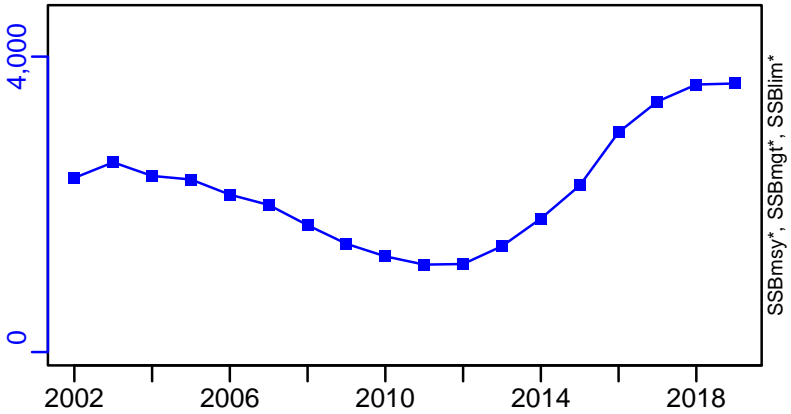
◆ Start Year ◆ End Year * No Data

Deep water rose shrimp Geographical Sub-Areas 17-19 [RSHRMPMEDGSA17-19]

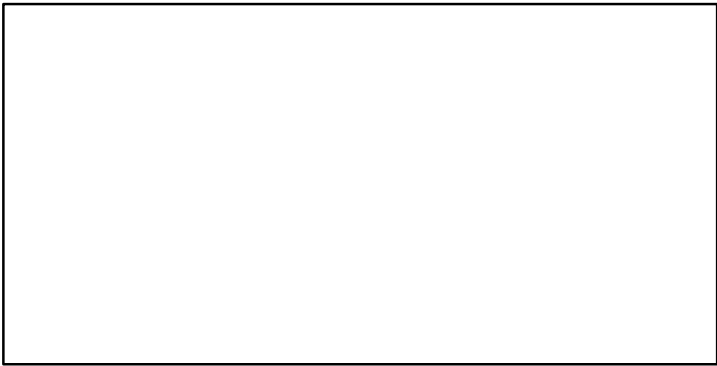
TB*



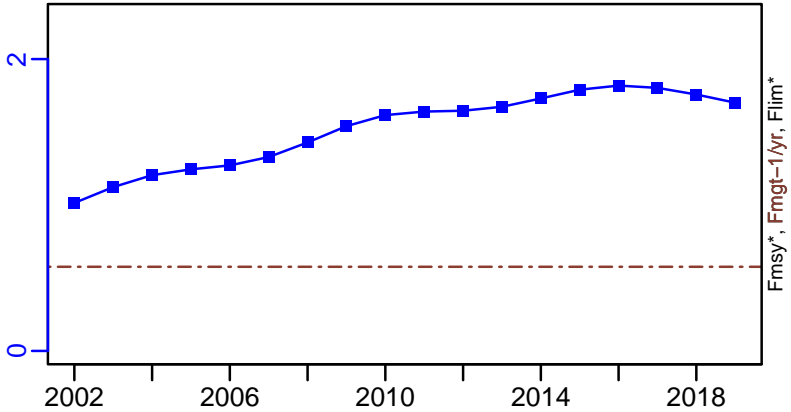
SSB-MT (2002-2019-MEDIMP2021-2)



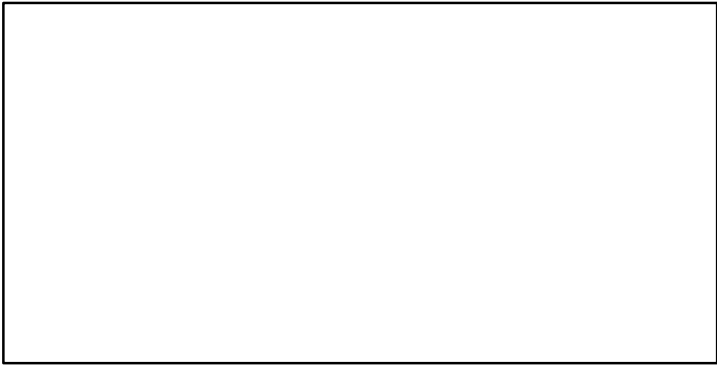
TN *



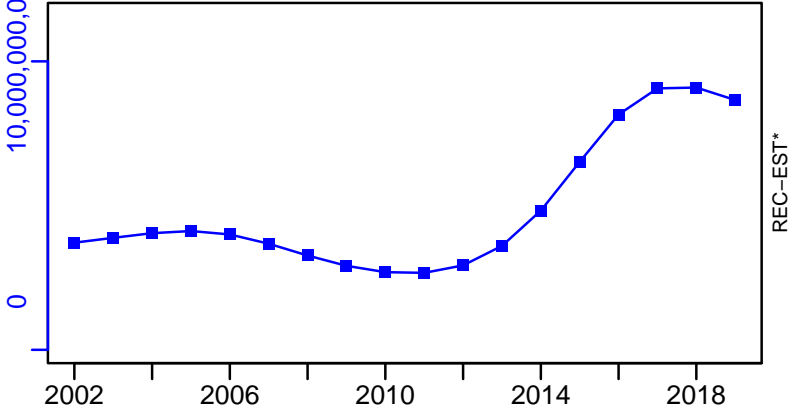
F-1/yr (2002-2019-MEDIMP2021-2)



ER*

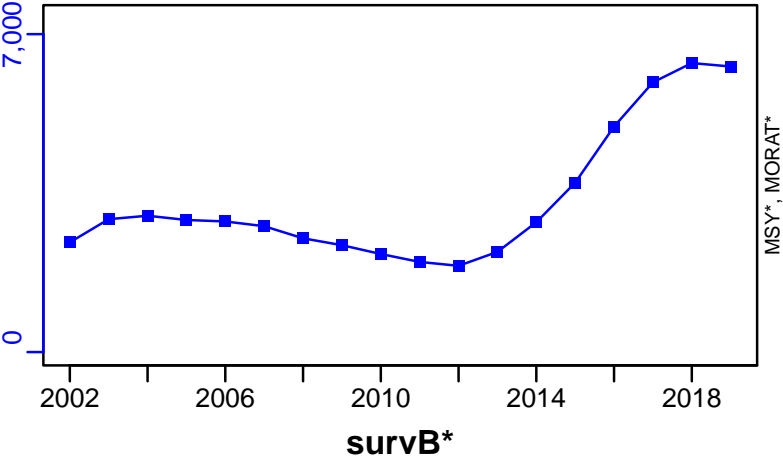


R-E00 (2002-2019-MEDIMP2021-2)



Deep water rose shrimp Geographical Sub-Areas 17–19 [RSHRMPMEDGSA17–19]

TC–MT, TL*, RecC* (2002–2019–MEDIMP2021–2)



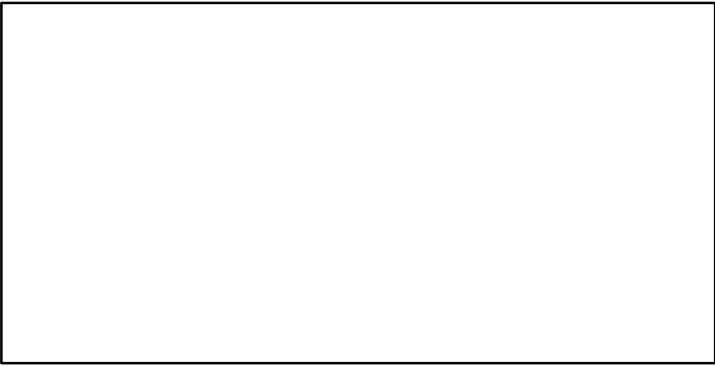
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



CdivMSY*



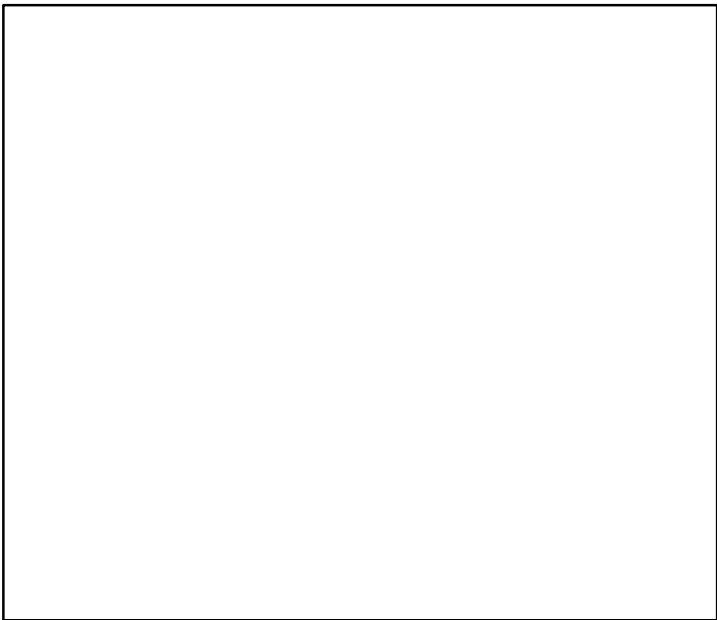
Deep water rose shrimp Aegean Sea and Crete Island (GSA 22,23)
[RSHRMPMEDGSA22-23]

Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-RSHRMPMEDGSA22-23-1990-2006-MEDIMP2021-2
Area	Aegean Sea and Crete Island (GSA 22,23)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2006

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	2006	2363		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

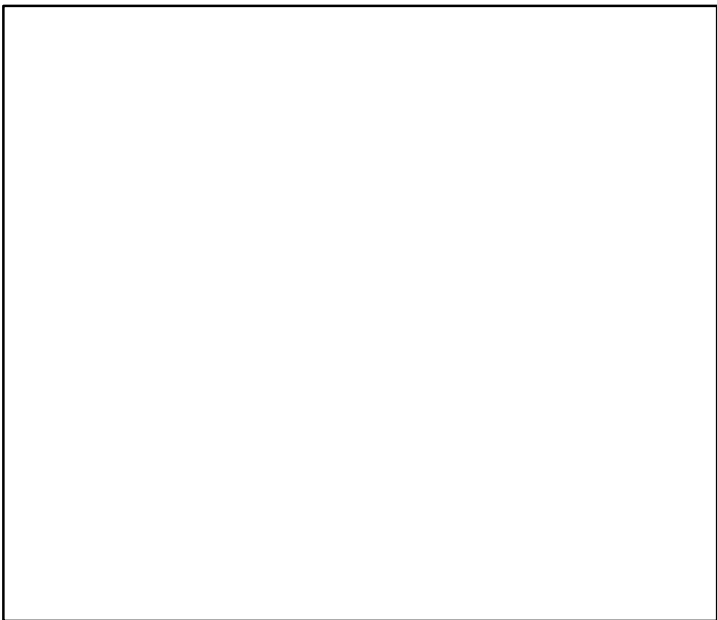
Kobe MSY*



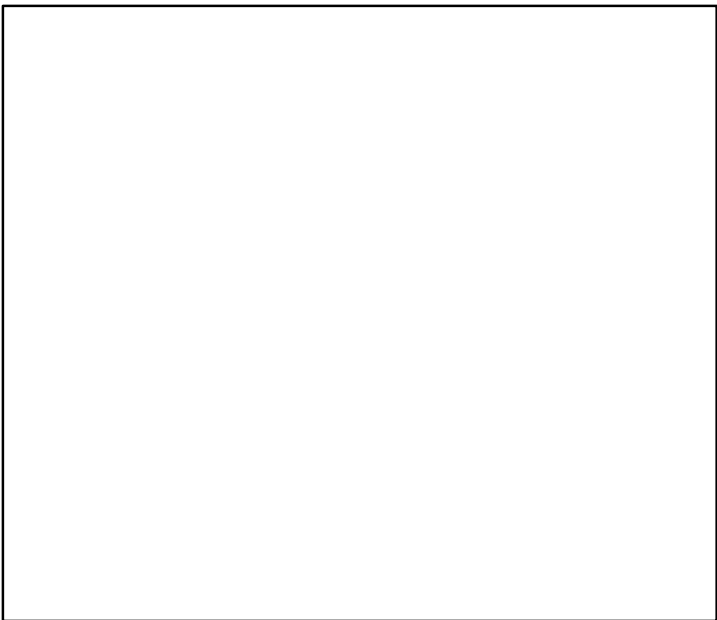
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*



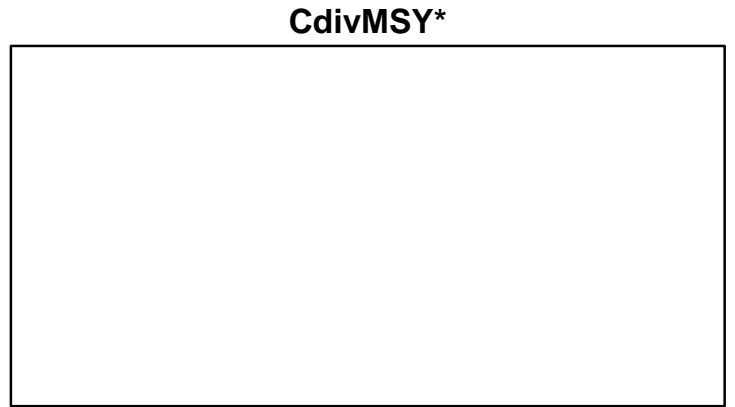
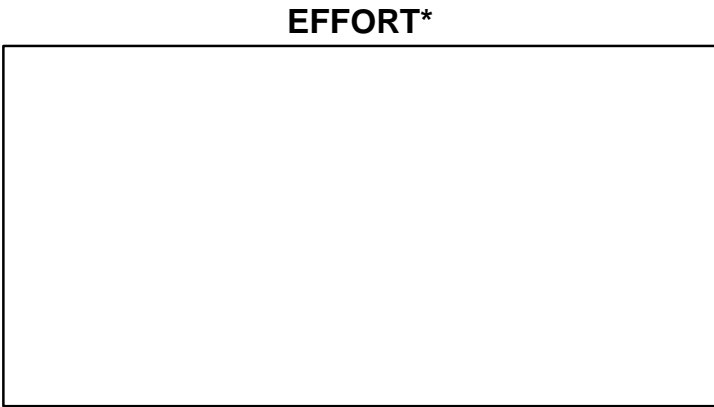
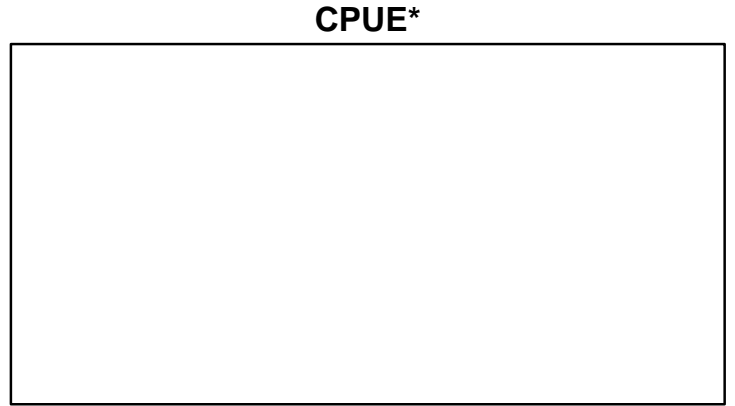
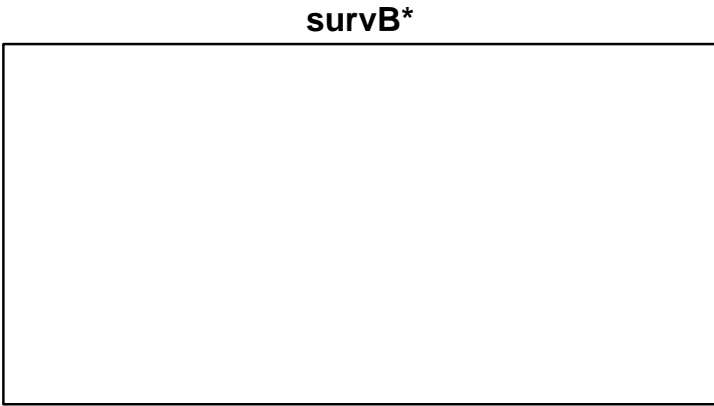
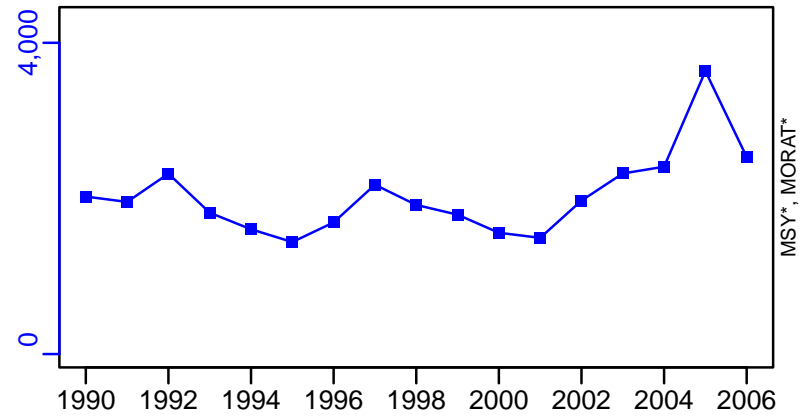
Recruits*



Deep water rose shrimp Aegean Sea and Crete Island (GSA 22,23) [RSHRMPMEDGSA22-23]

TC-MT, TL*, RecC* (1990-2006-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



Deep water rose shrimp Balearic Island [RSHRMPMEDGSA5]

Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-RSHRMPMEDGSA5-2002-2012-OSIO
Area	Balearic Island
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.62
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	7	-	1+
TN	-	-	-	-	-
R	R-E00	2012	3,490,000	-	-
F	F-1/yr	2012	0.68	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	4.17		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	1.097		
ER/ERmgt	-	-	-		

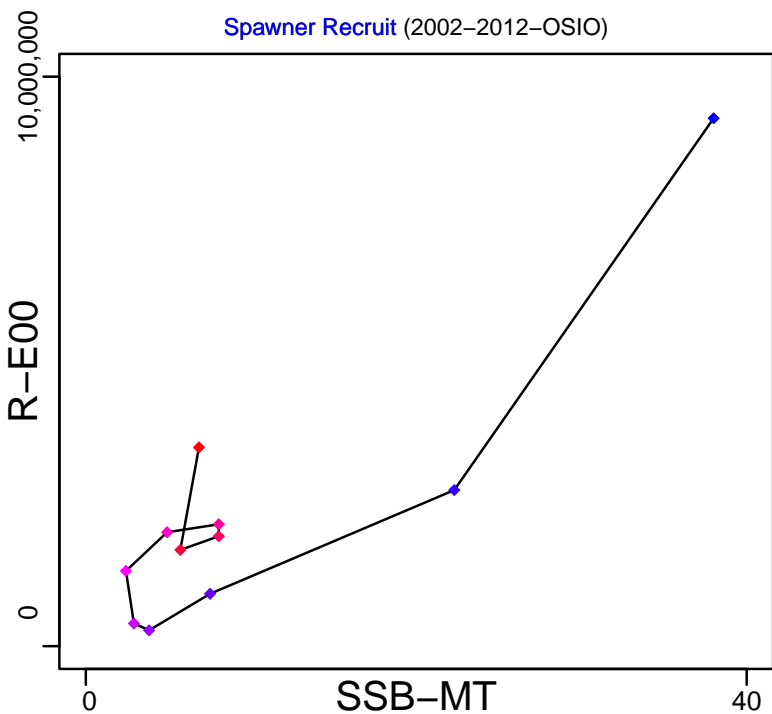
Kobe MSY*



Kobe MGT*



Spawner Recruit (2002–2012–OSIO)



Production*



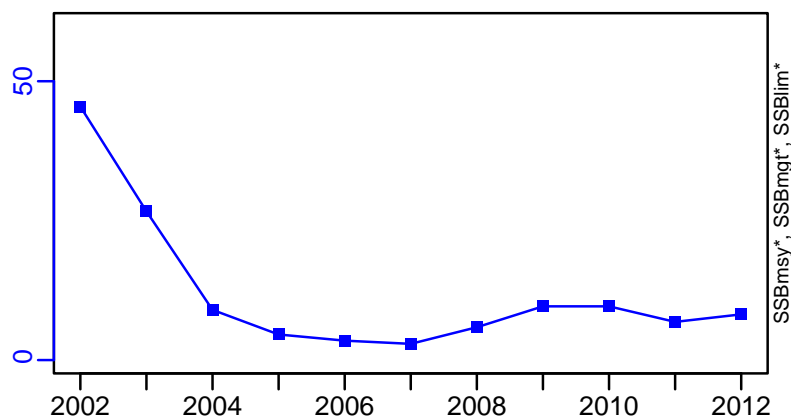
◆ Start Year ◆ End Year * No Data

Deep water rose shrimp Balearic Island [RSHRMPMEDGSA5]

TB*



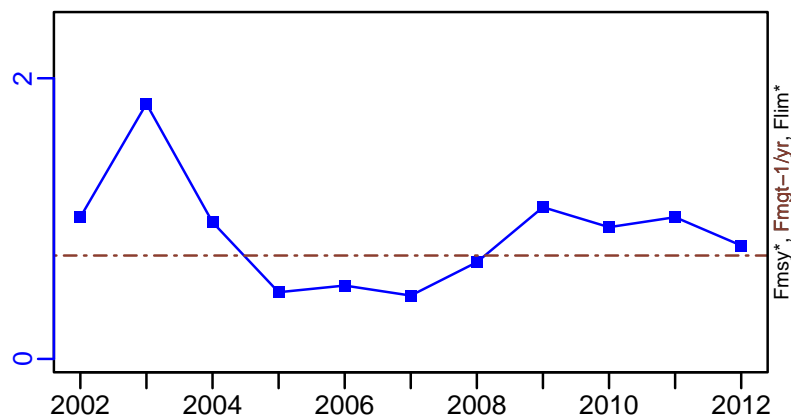
SSB-MT (2002-2012-OSIO)



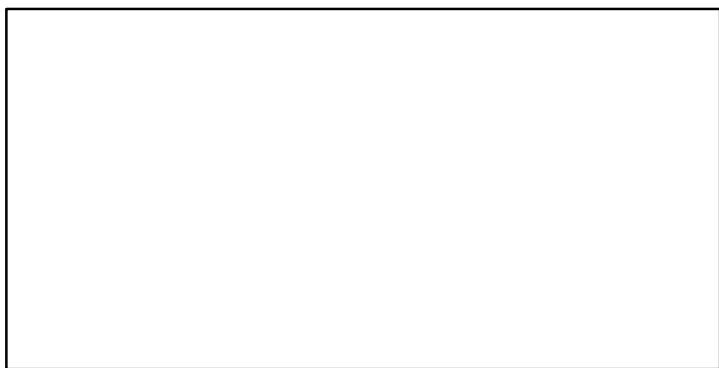
TN *



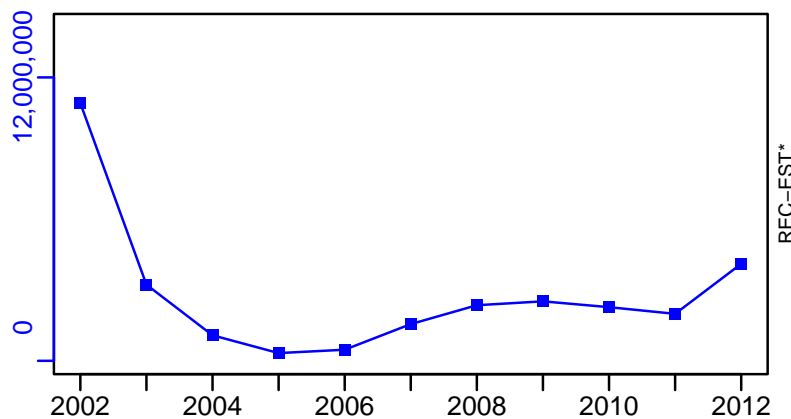
F-1/yr (2002-2012-OSIO)



ER*



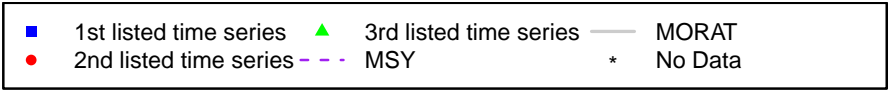
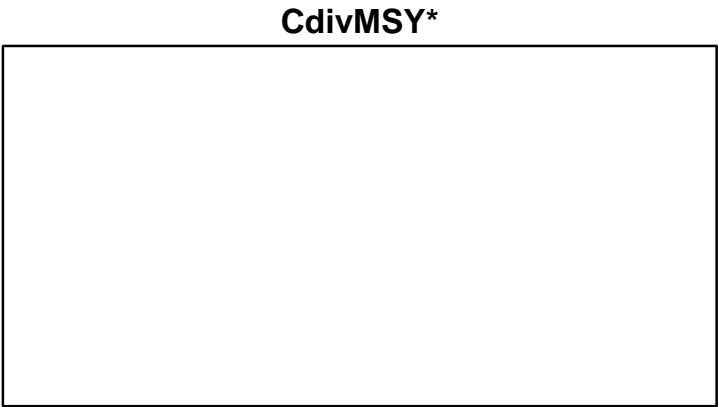
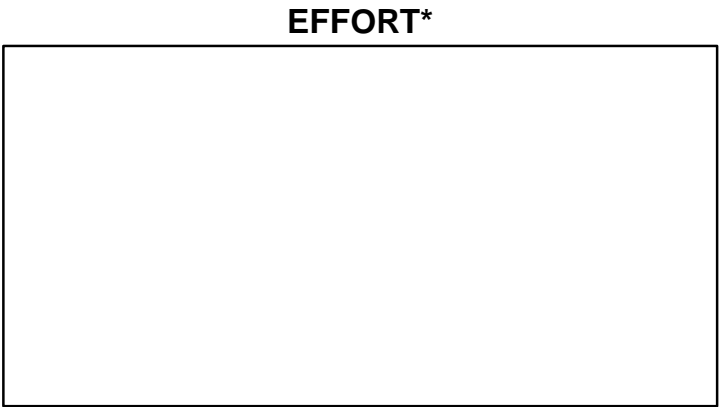
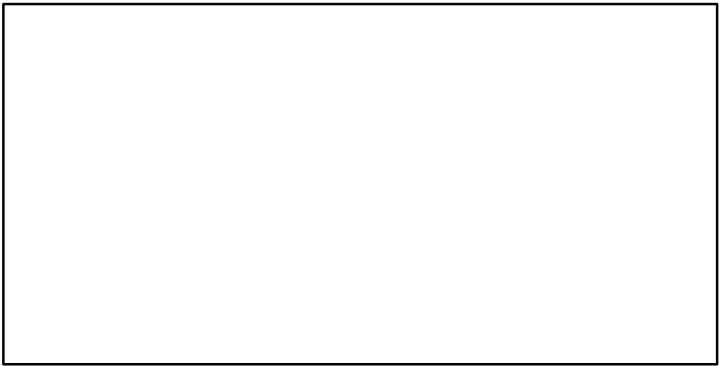
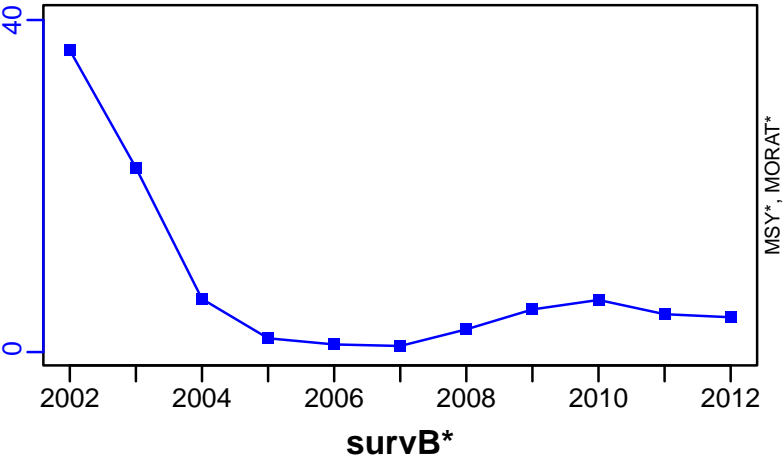
R-E00 (2002-2012-OSIO)



Deep water rose shrimp Balearic Island [RSHRMPMEDGSA5]

TC-MT, TL*, RecC* (2002-2012-OSIO)

TAC*, Cpair*, Cadv*



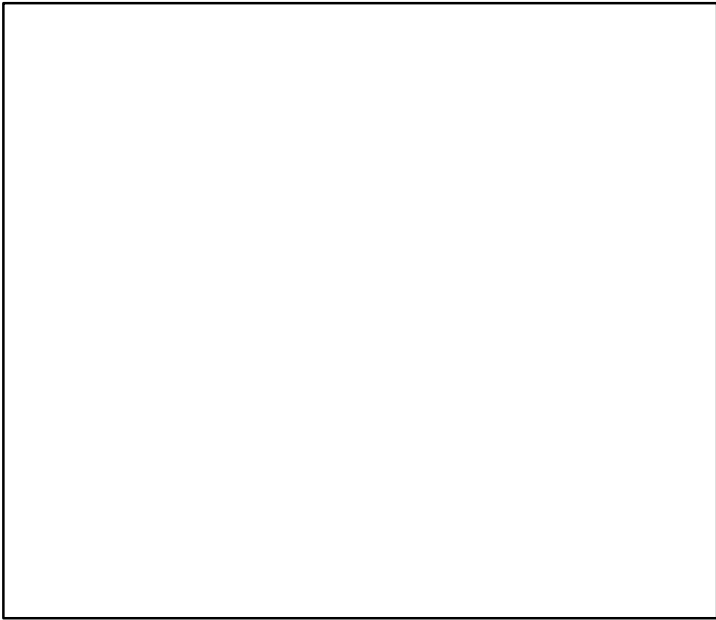
Deep water rose shrimp Geographical Sub-Areas 9-11 [RSHRMPMEDGSA9-11]

Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-RSHRMPMEDGSA9-11-2009-2019-MEDIMP2021-2
Area	Geographical Sub-Areas 9-11
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2015, 2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	1.09
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	5390	-	-
SSB	SSB-MT	2019	2575	-	-
TN	-	-	-	-	-
R	R-E00	2019	4,302,305,361	-	-
F	F-1/yr	2019	1.025	-	-
ER	ER-calc-ratio	2015	0.286	-	-
TC	TC-MT	2019	1606		
TL	TL-MT	2015	1540		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	0.941		
ER/ERmgt	-	-	-		

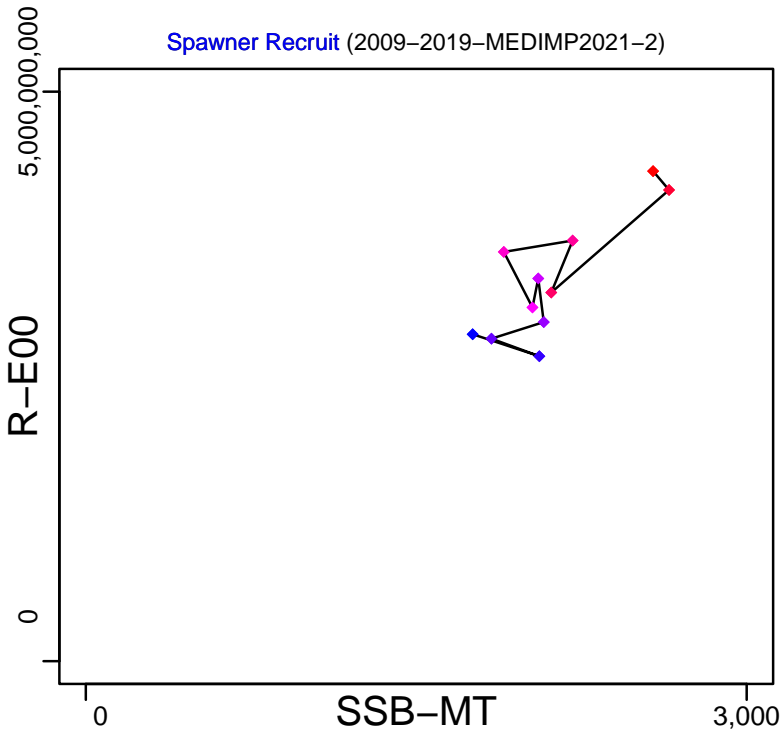
Kobe MSY*



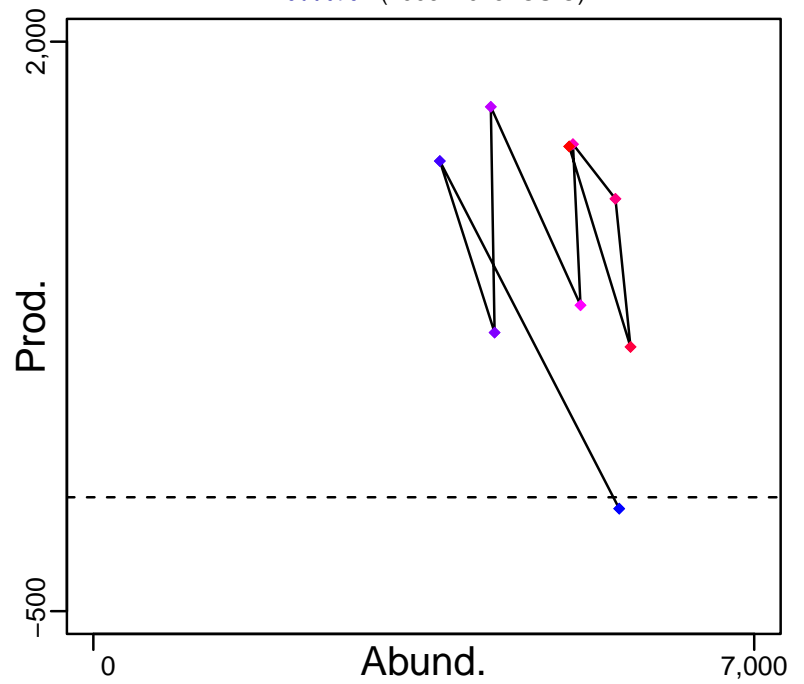
Kobe MGT*



Spawner Recruit (2009–2019–MEDIMP2021–2)



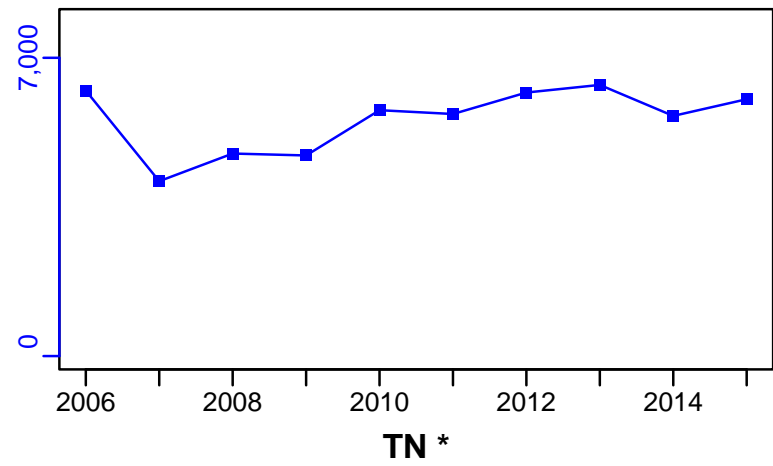
Production (2006–2015–OSIO)



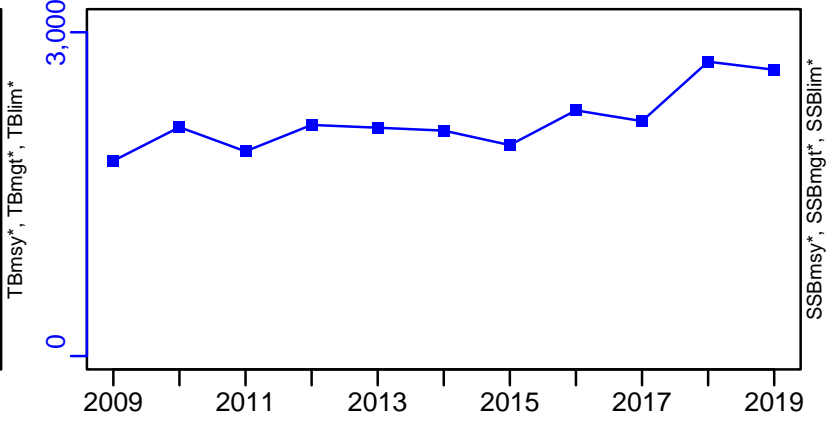
◆ Start Year ◆ End Year * No Data

Deep water rose shrimp Geographical Sub-Areas 9-11 [RSHRMPMEDGSA9-11]

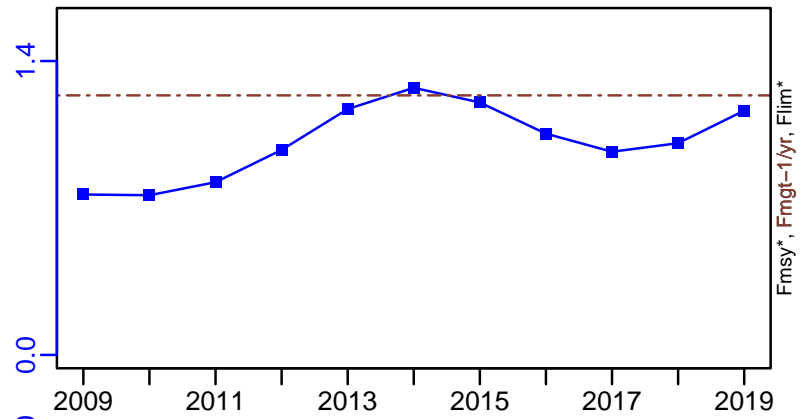
TB-MT (2006-2015-OSIO)



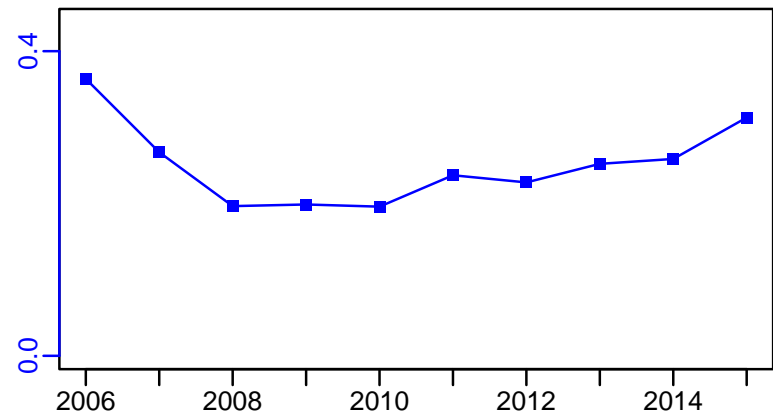
SSB-MT (2009-2019-MEDIMP2021-2)



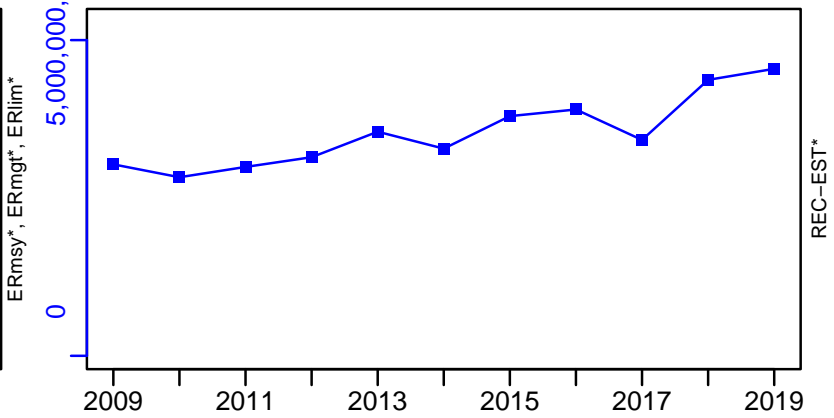
F-1/yr (2009-2019-MEDIMP2021-2)



ER-calc-ratio (2006-2015-OSIO)

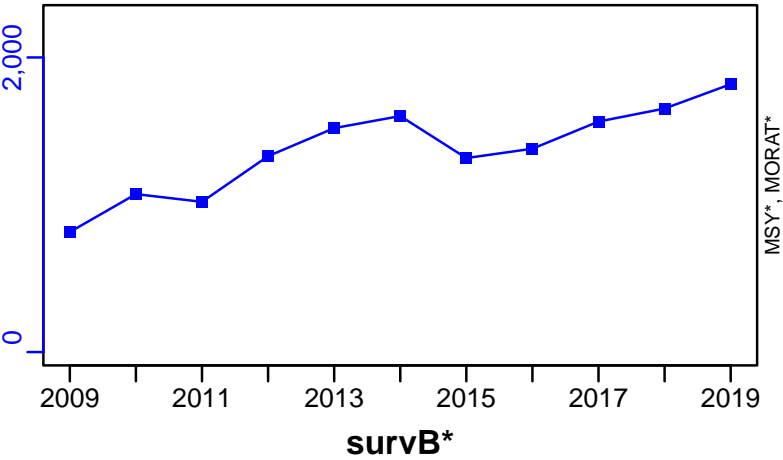


R-E00 (2009-2019-MEDIMP2021-2)



Deep water rose shrimp Geographical Sub-Areas 9–11 [RSHRMPMEDGSA9–11]

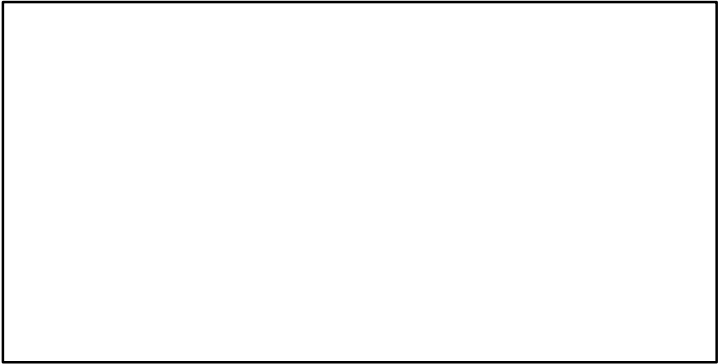
TC–MT, TL*, RecC* (2009–2019–MEDIMP2021–2)



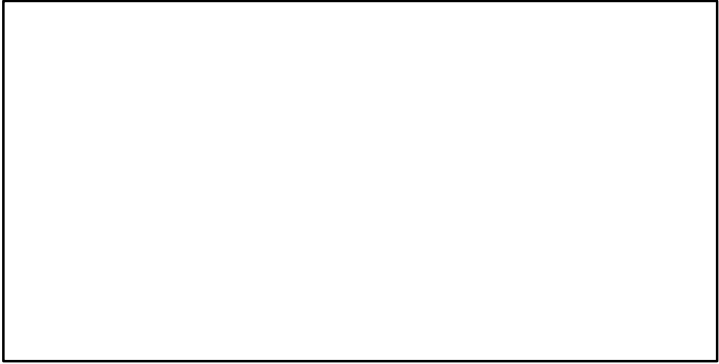
TAC*, Cpair*, Cadv*



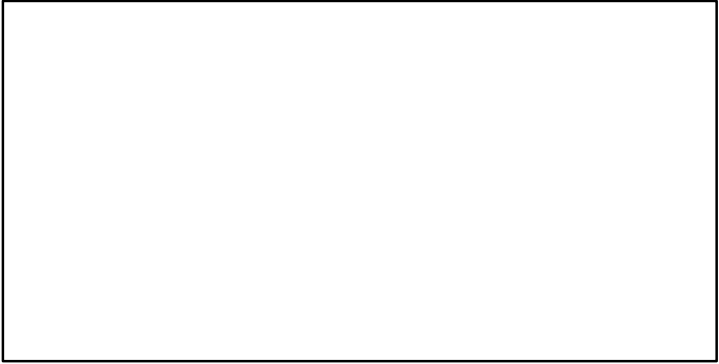
CPUE*



EFFORT*



CdivMSY*



Shako Ise and Mikawa Bay [SHAKOIMKB]

Metadata	
Scientific Name	Oratosquilla oratoria
Current Assess ID	FAFRFJ-SHAKOIMKB-1970-2013-JPNIMP2016
Area	Ise and Mikawa Bay
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	282		
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

TB*



SSB*



TN *



F*



ER*

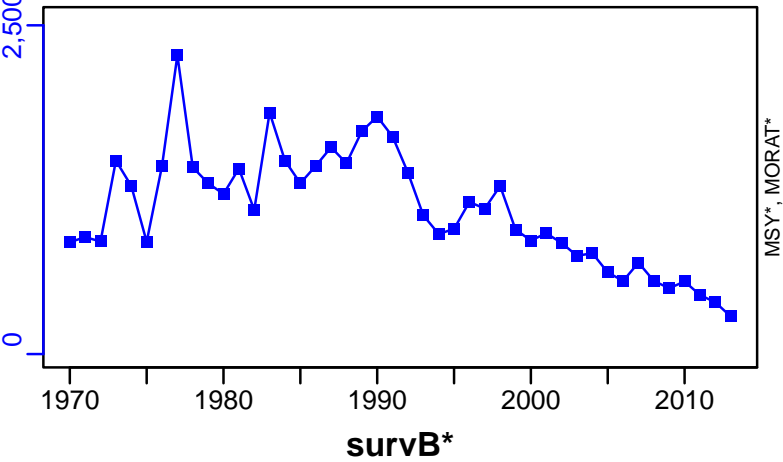


Recruits*



Shako Ise and Mikawa Bay [SHAKOIMKB]

TC-MT, TL*, RecC* (1970-2013-JPNIMP2016)



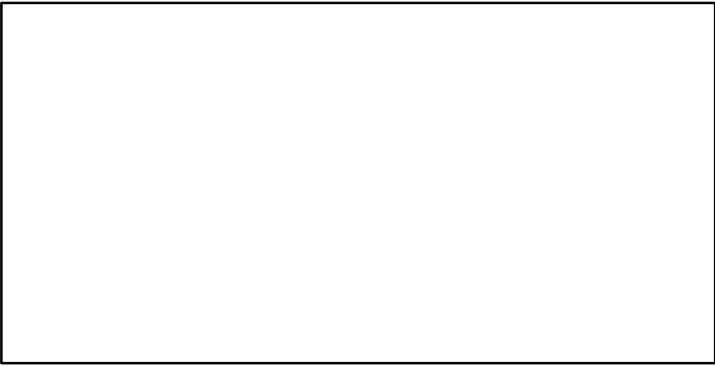
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



CdivMSY*



Spottail mantis shrimp South Tyrrhenian Sea [SMSHRMPMEDGSA10]

Metadata	
Scientific Name	Squilla mantis
Current Assess ID	STECF-SMSHRMPMEDGSA10-2011-2011-OSIO
Area	South Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011

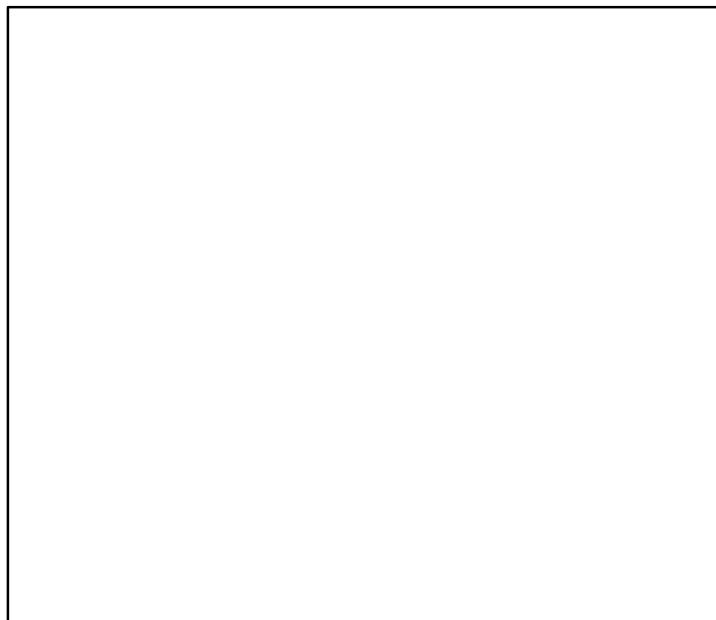
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.41
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2011	1.08	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	387		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	2.634		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Spottail mantis shrimp South Tyrrhenian Sea [SMSHRMPMEDGSA10]

TB*



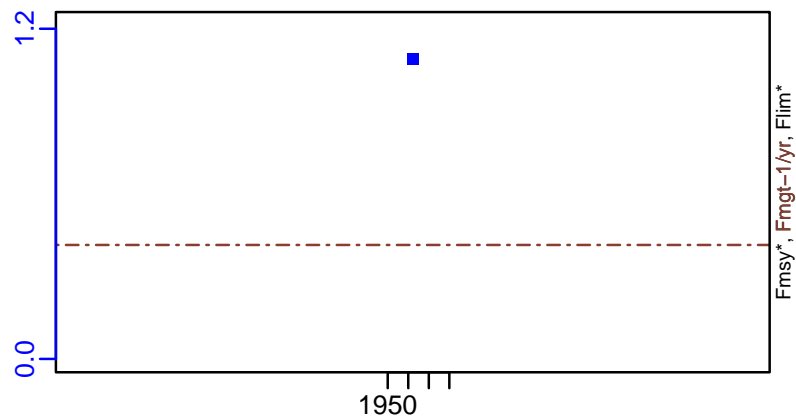
SSB*



TN *



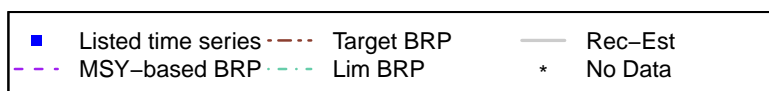
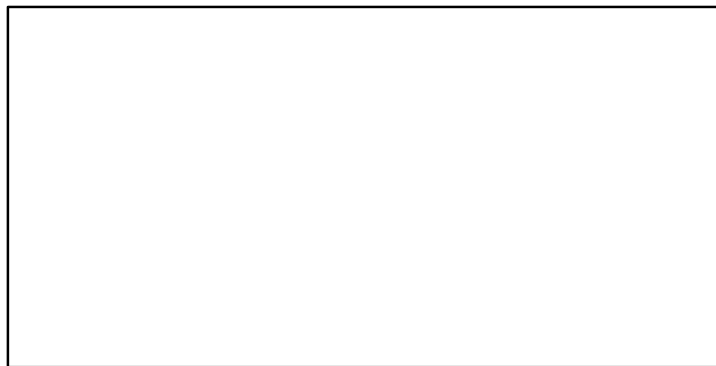
F-1/yr (2011–2011–OSIO)



ER*



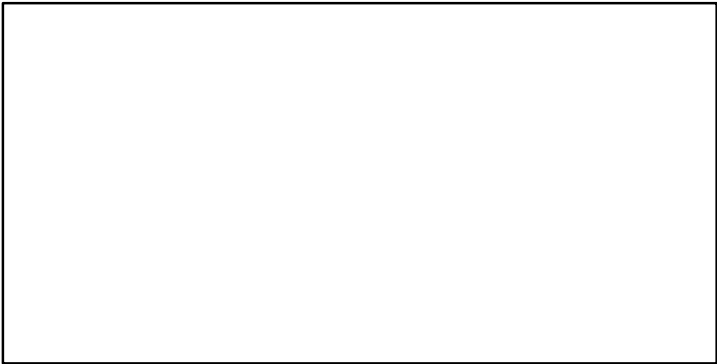
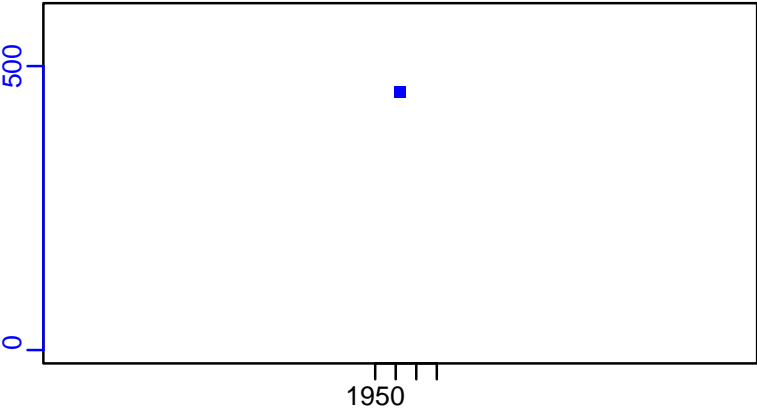
Recruits*



Spottail mantis shrimp South Tyrrhenian Sea [SMSHRMPMEDGSA10]

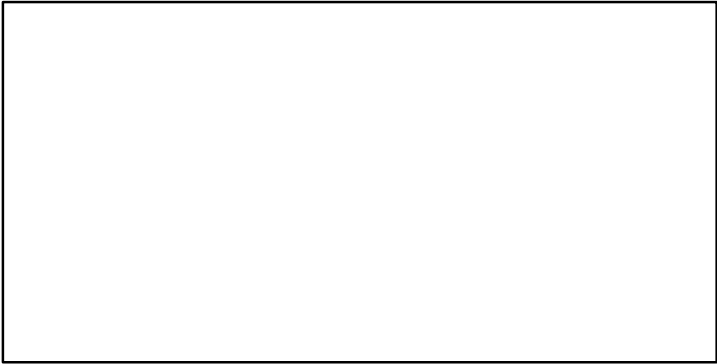
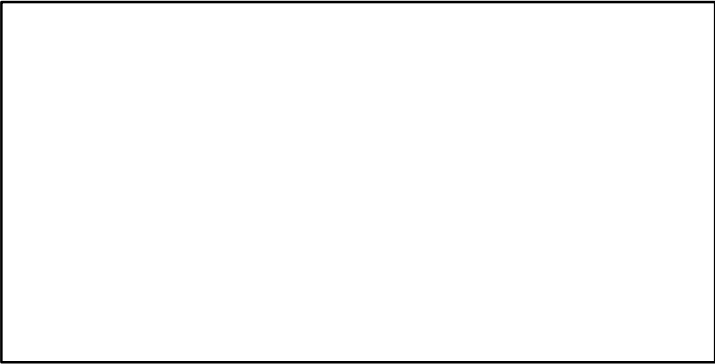
TC-MT, TL*, RecC* (2011-2011-OSIO)

TAC*, Cpair*, Cadv*



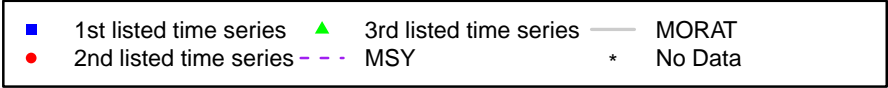
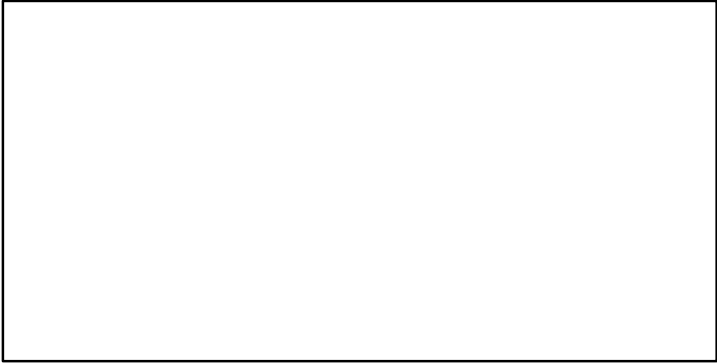
survB*

CPUE*



EFFORT*

CdivMSY*



Spottail mantis shrimp Adriatic Sea (GSA 17,18) [SMSHRMPMEDGSA17-18]

Metadata	
Scientific Name	Squilla mantis
Current Assess ID	STECF-SMSHRMPMEDGSA17-18-2008-2019-MEDIMP2021-2
Area	Adriatic Sea (GSA 17,18)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014, 2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.449
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

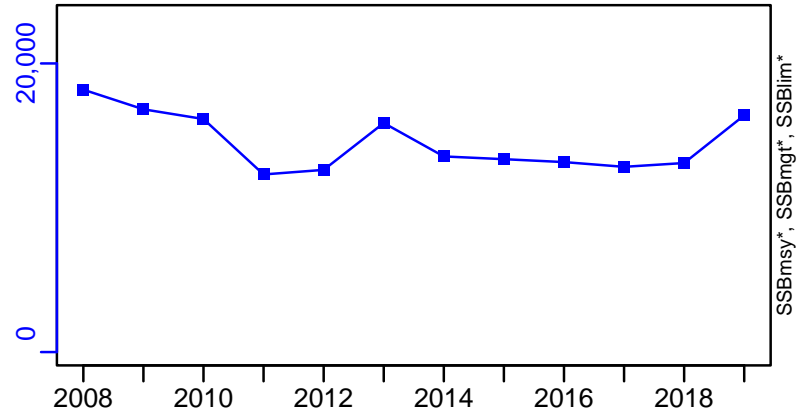
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	14,193	-	-
TN	-	-	-	-	-
R	R-E00	2019	2,901,990,201	-	-
F	F-1/yr	2019	0.686	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	4372		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	1.526		
ER/ERmgt	-	-	-		

Spottail mantis shrimp Adriatic Sea (GSA 17,18) [SMHRMPMEDGSA17-18]

TB*



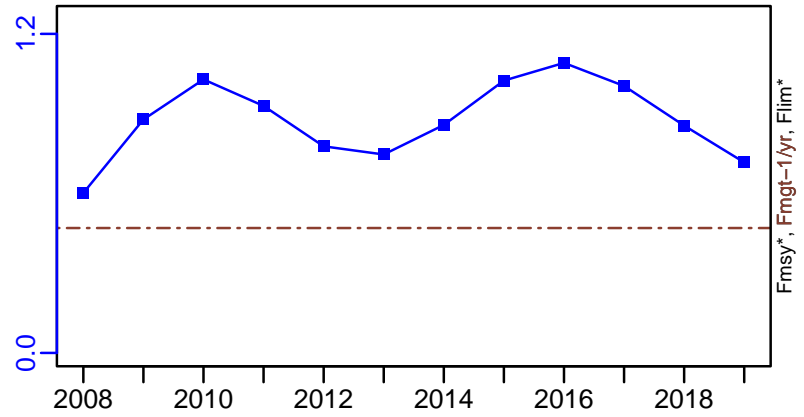
SSB-MT (2008-2019-MEDIMP2021-2)



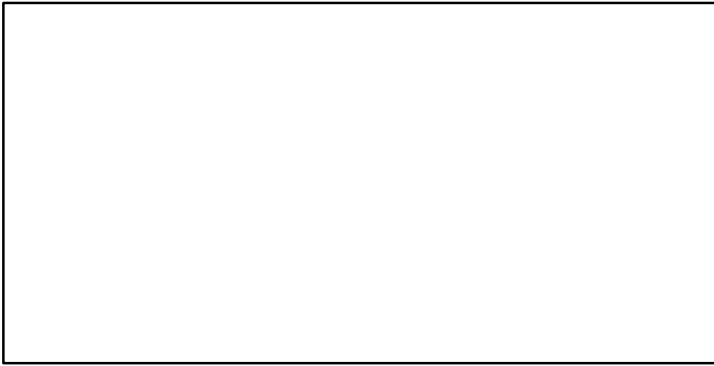
TN *



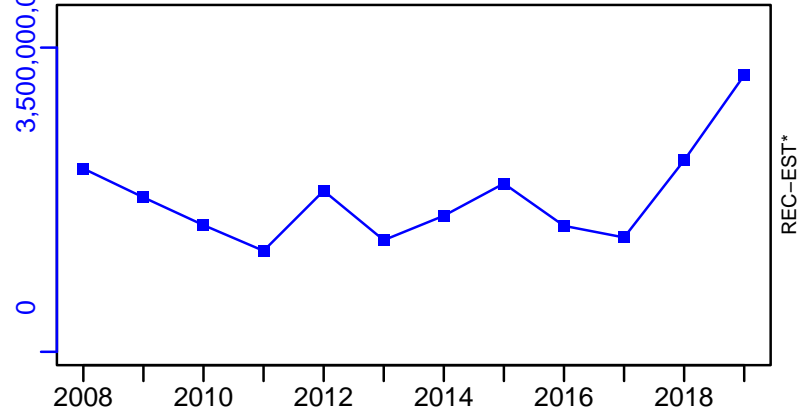
F-1/yr (2008-2019-MEDIMP2021-2)



ER*

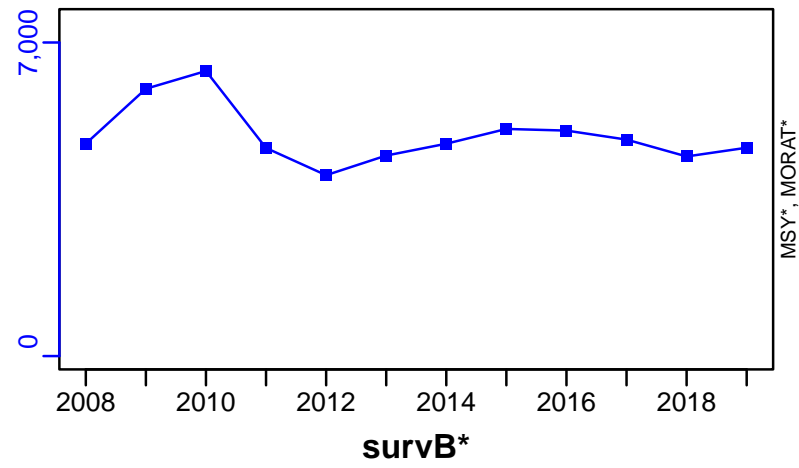


R-E00 (2008-2019-MEDIMP2021-2)



Spottail mantis shrimp Adriatic Sea (GSA 17,18) [SMSHRMPMEDGSA17-18]

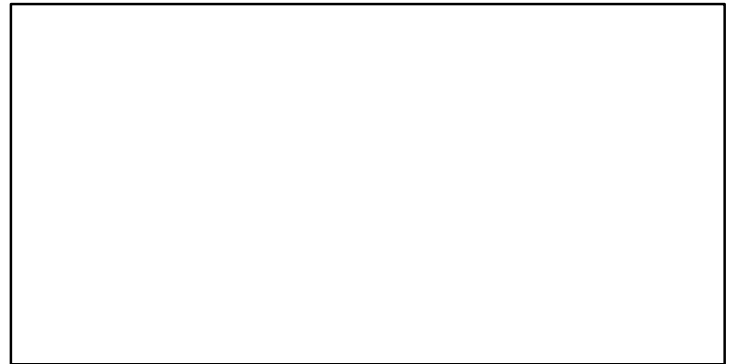
TC-MT, TL*, RecC* (2008-2019-MEDIMP2021-2)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



CdivMSY*



Spottail mantis shrimp Ligurian and North Tyrrhenian Sea [SMSHRMPMEDGSA9]

Metadata	
Scientific Name	Squilla mantis
Current Assess ID	STECF-SMSHRMPMEDGSA9-2004-2010-OSIO
Area	Ligurian and North Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2010	0.54
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2010	430	-	-
TN	-	-	-	-	-
R	R-E00	2010	4.5×10^7	-	-
F	F-1/yr	2010	1.2	-	-
ER	-	-	-	-	-
TC	TC-MT	2010	386		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2010	2.222		
ER/ERmgt	-	-	-		

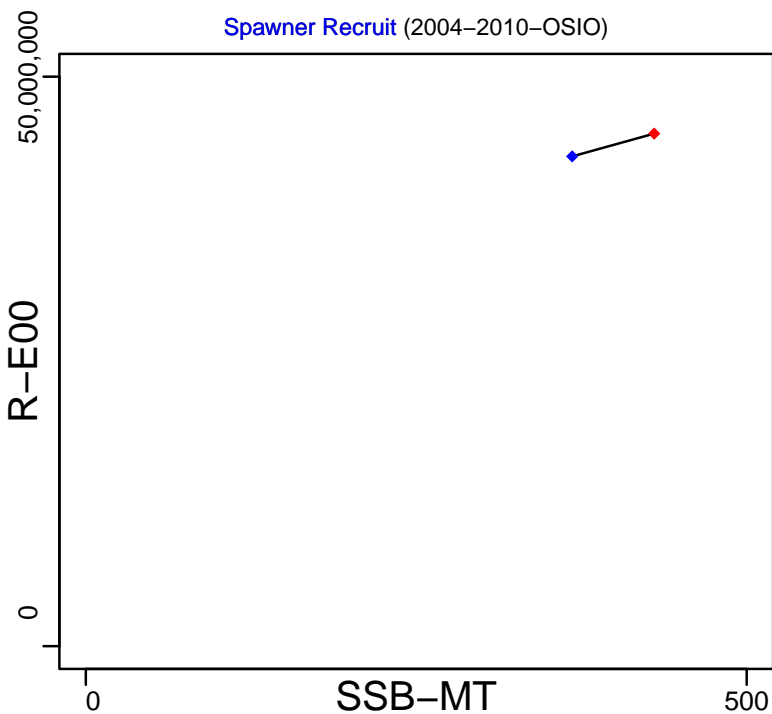
Kobe MSY*



Kobe MGT*



Spawner Recruit (2004–2010–OSIO)



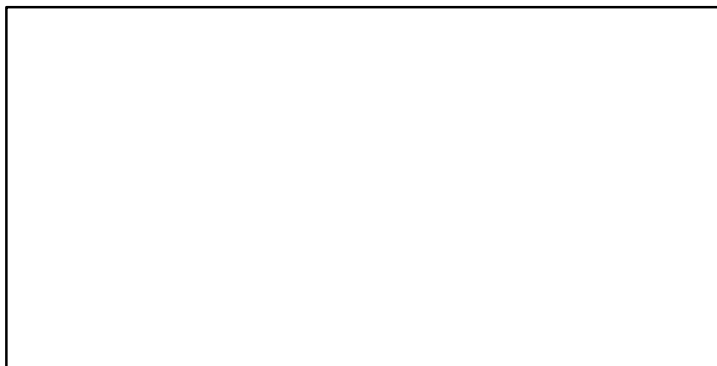
Production*



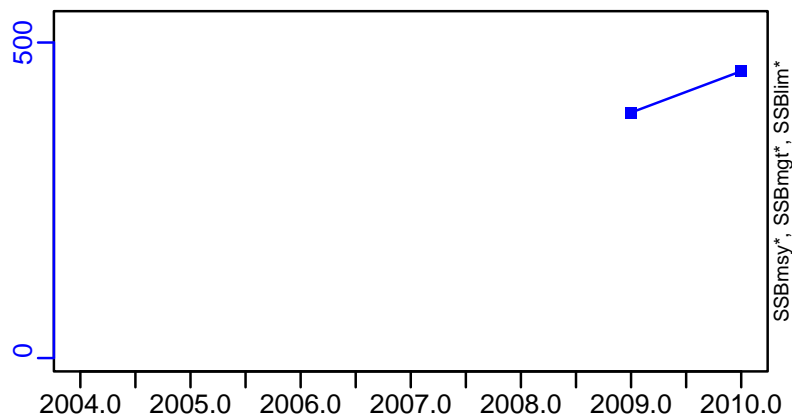
◆ Start Year ◆ End Year * No Data

Spottail mantis shrimp Ligurian and North Tyrrhenian Sea [SMSHRMPMEDGSA9]

TB*



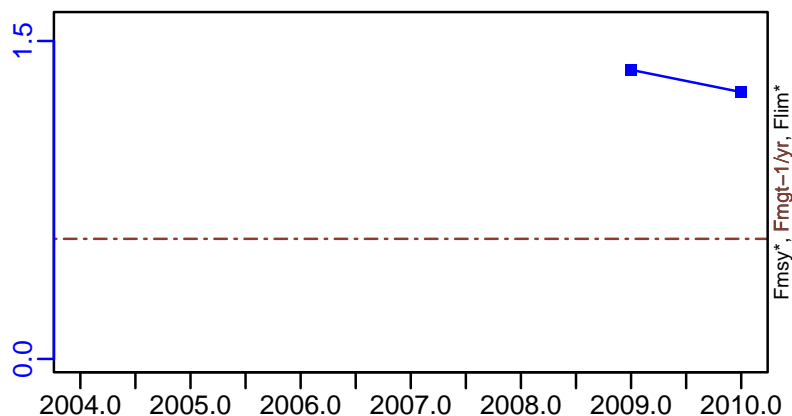
SSB-MT (2004–2010–OSIO)



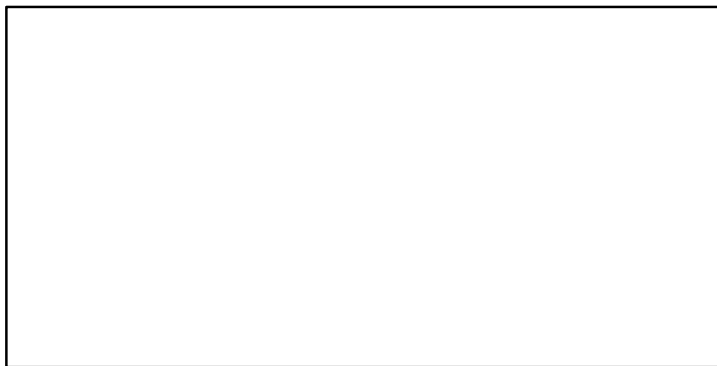
TN *



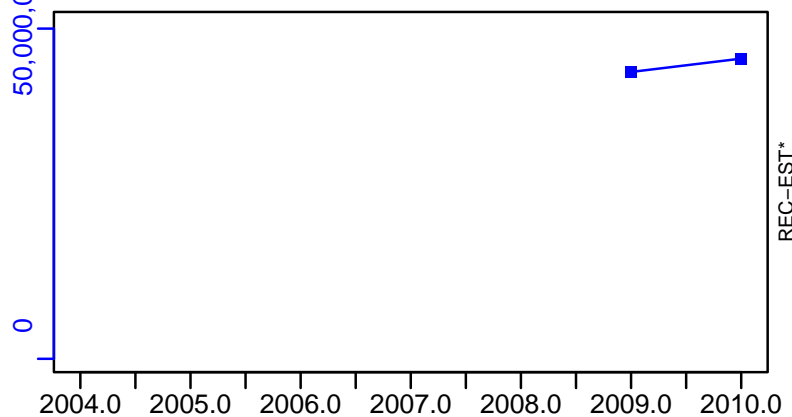
F-1/yr (2004–2010–OSIO)



ER*

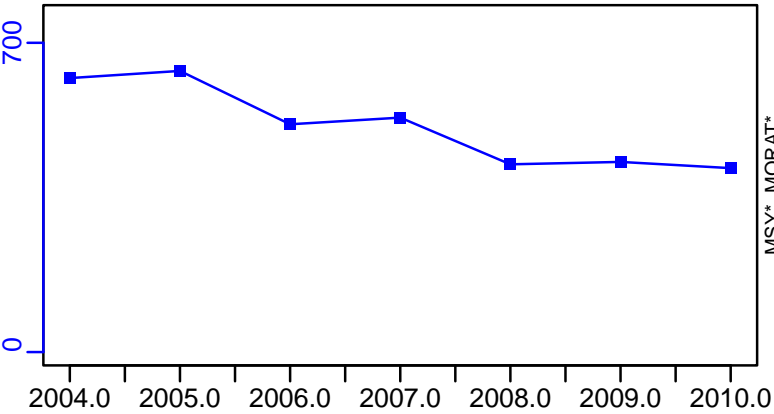


R-E00 (2004–2010–OSIO)



Spottail mantis shrimp Ligurian and North Tyrrhenian Sea [SMSHRMPMEDGSA9]

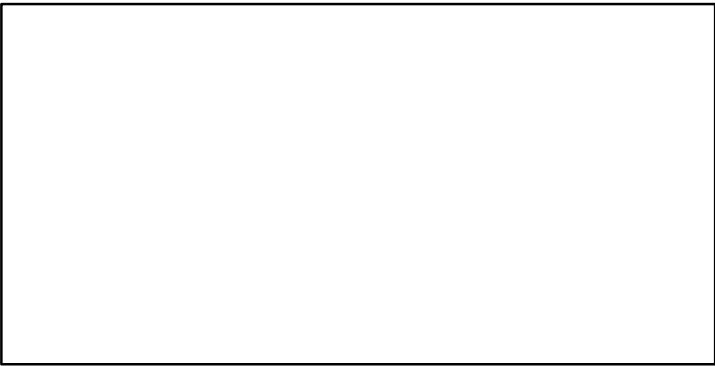
TC-MT, TL*, RecC* (2004–2010–OSIO)



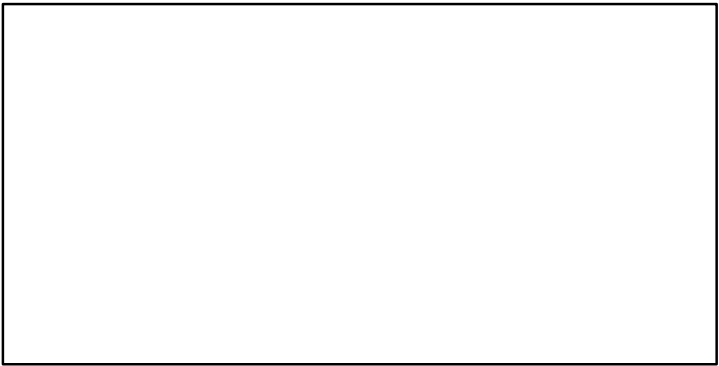
TAC*, Cpair*, Cadv*



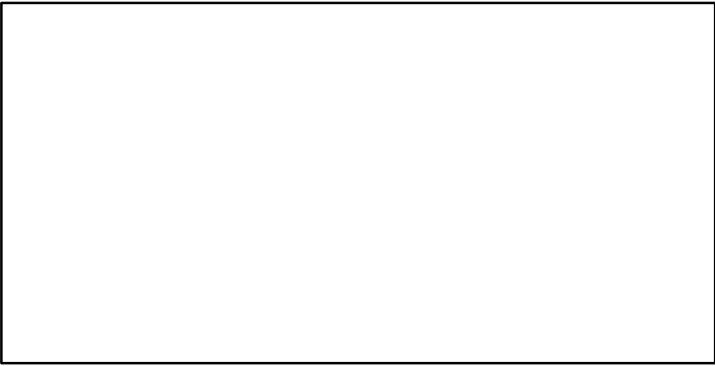
survB*



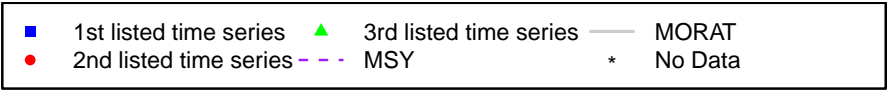
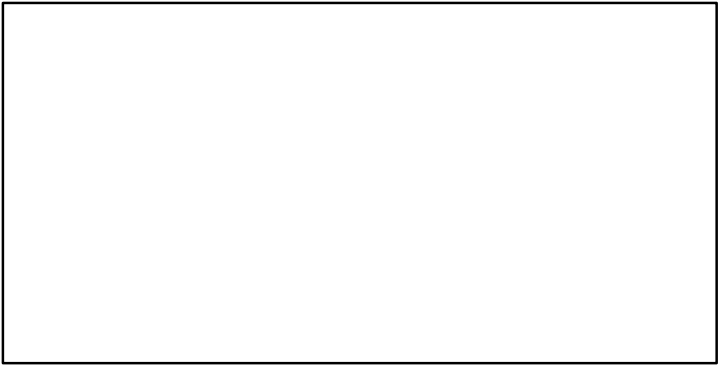
CPUE*



EFFORT*



CdivMSY*



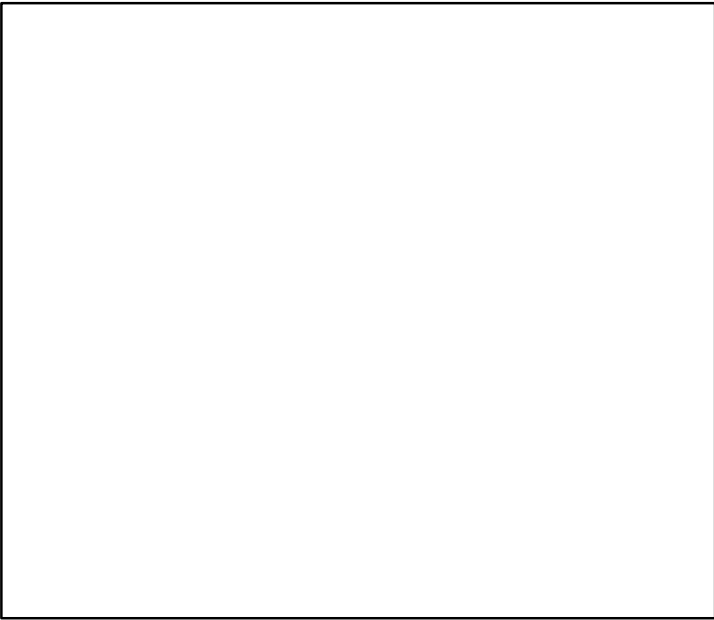
Southern pink shrimp Central West Africa [SPSHRIMPCWA]

Metadata	
Scientific Name	Farfantepenaeus notialis
Current Assess ID	FAO-DR-SPSHRIMPCWA-1990-2007-CHING
Area	Central West Africa
Management Authority	Food and Agriculture Organization of the United Nations
Assessor	FAO/CECAF Working Group on the Assessment of Demersal Resources
Asmts in RAM	2007

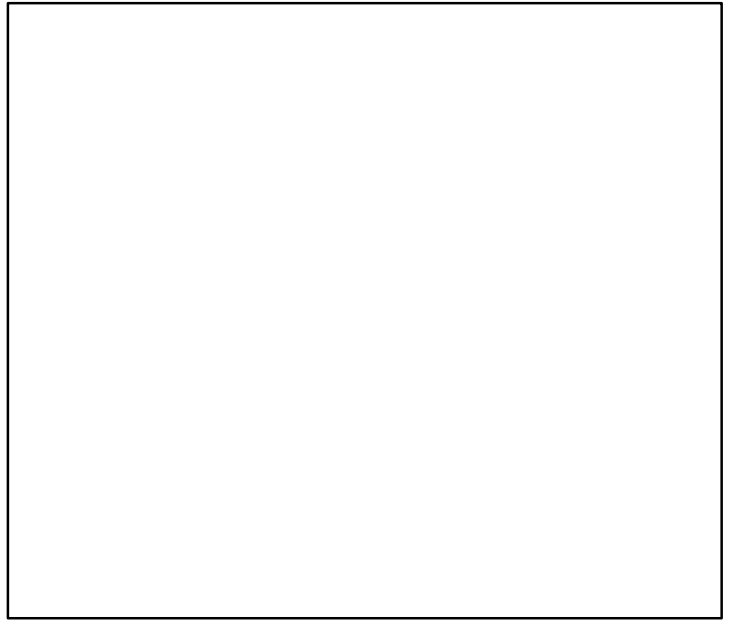
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2007	2250		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

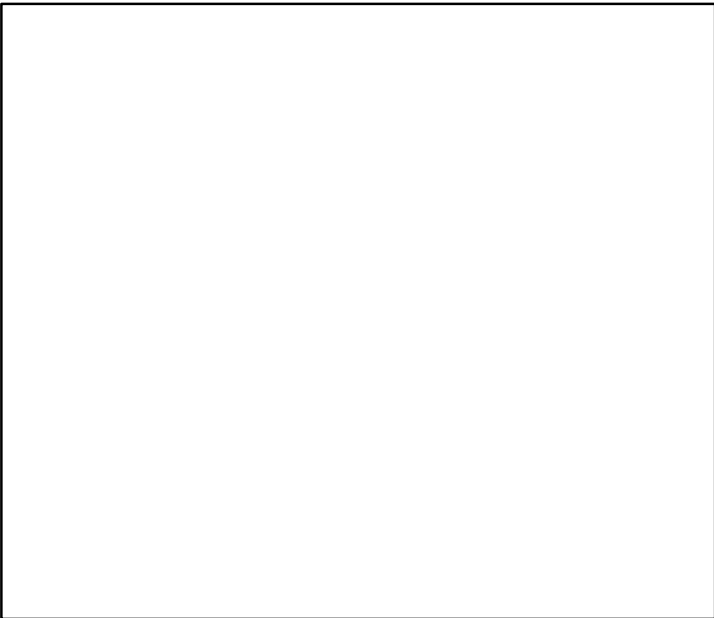
Kobe MSY*



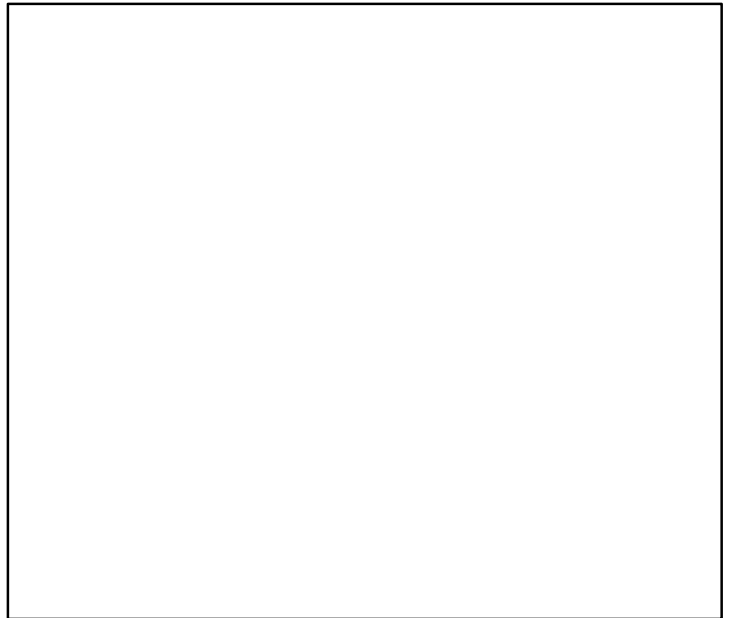
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Southern pink shrimp Central West Africa [SPSHRIMPCWA]

TB*



SSB*



TN *



F*



ER*



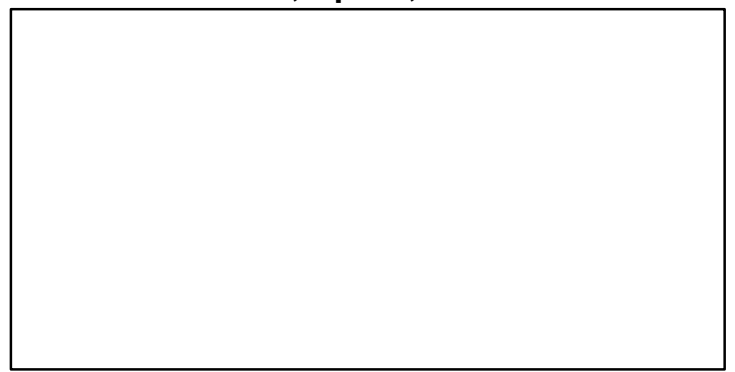
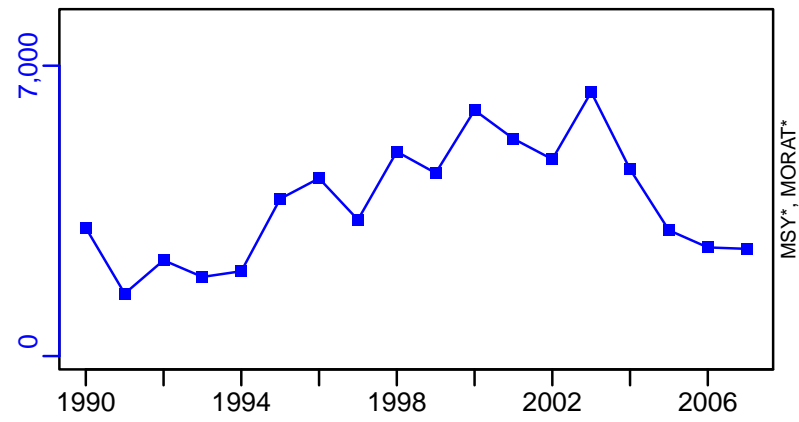
Recruits*



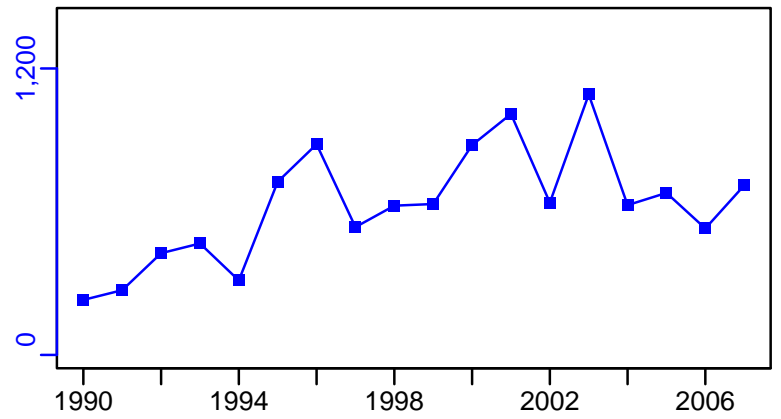
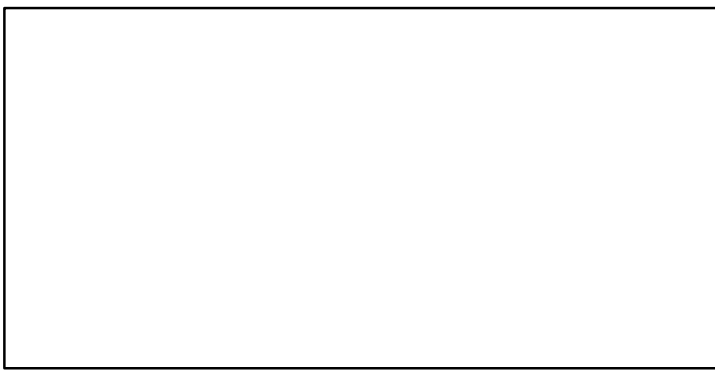
Southern pink shrimp Central West Africa [SPSHRIMPCWA]

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

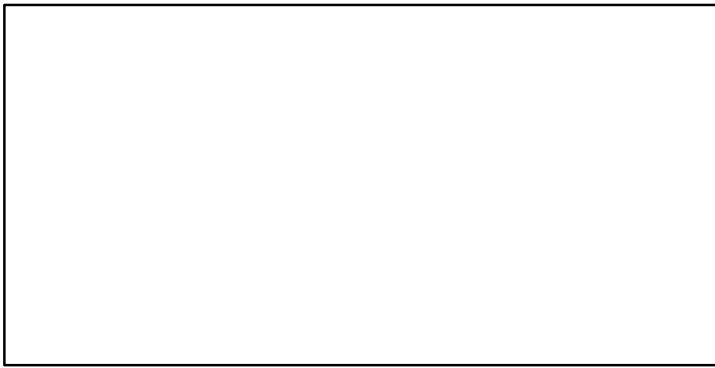
TAC*, Cpair*, Cadv*



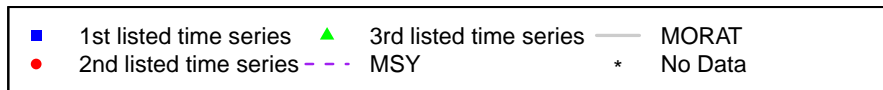
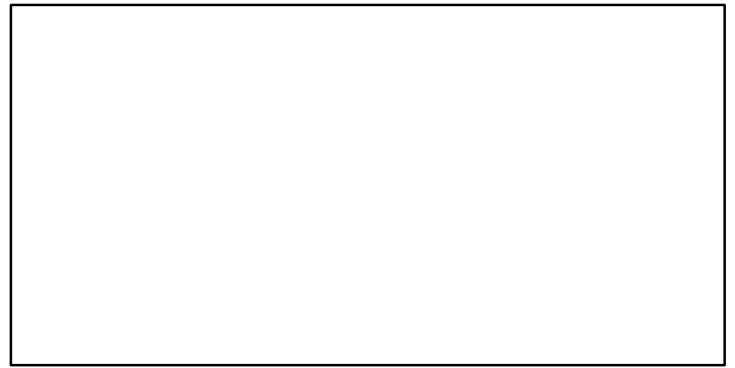
CPUE-kg/day (1990-2007-CHING)



EFFORT*



CdivMSY*



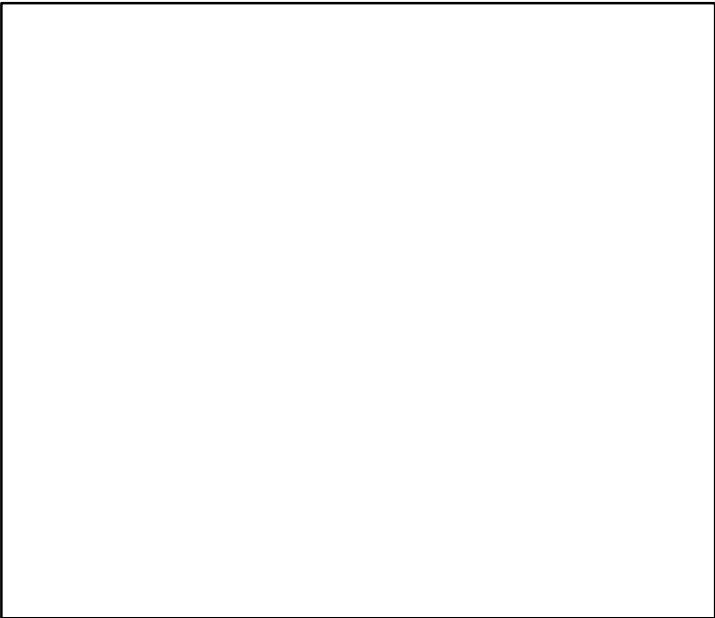
Southern pink shrimp North West Africa Mauritania [SPSHRIMPNWAMRT]

Metadata	
Scientific Name	Farfantepenaeus notialis
Current Assess ID	FAO-DR-SPSHRIMPNWAMRT-1990-2019-ASHBROOK
Area	North West Africa Mauritania
Management Authority	Food and Agriculture Organization of the United Nations
Assessor	FAO/CECAF Working Group on the Assessment of Demersal Resources
Asmts in RAM	2019

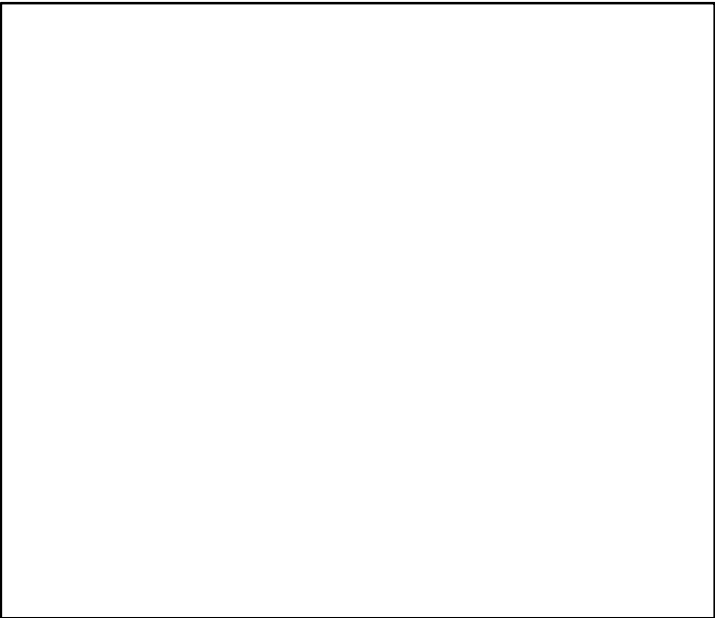
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	343		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

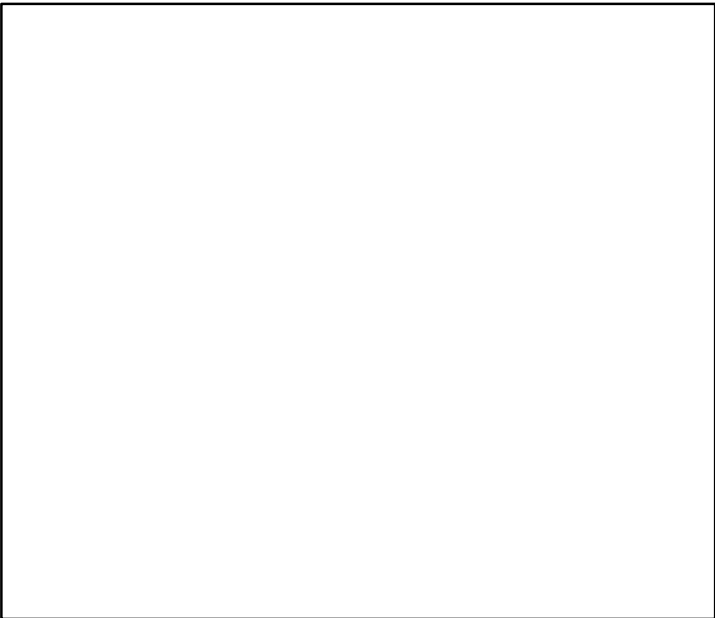
Kobe MSY*



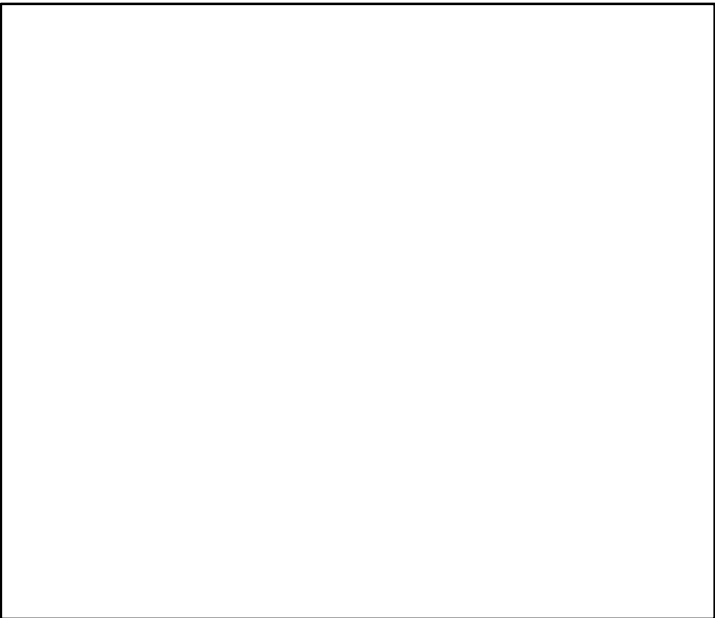
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*

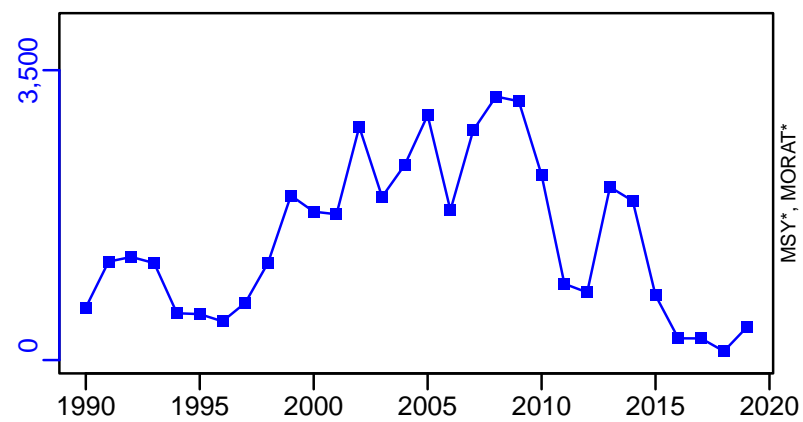


Recruits*



Southern pink shrimp North West Africa Mauritania [SPSHRIMPNWAMRT]

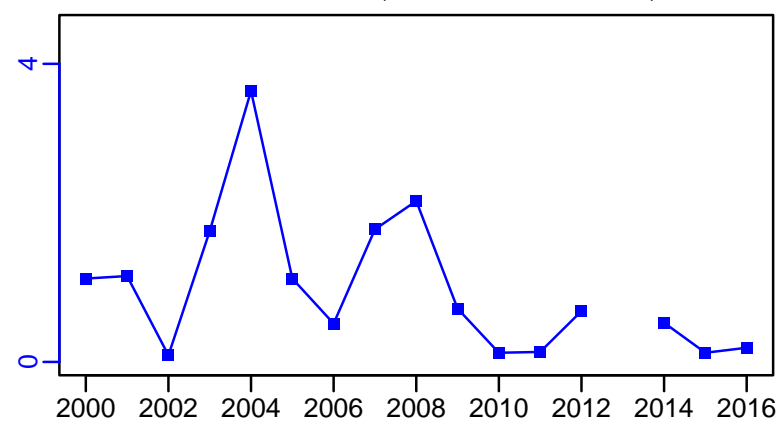
TC-MT, TL*, RecC* (1990–2019–ASHBROOK)



TAC*, Cpair*, Cadv*



survB_index–index (1990–2019–ASHBROOK)



CPUE*



EFFORT*



CdivMSY*



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

Southern pink shrimp North West Africa Senegal_The Gambia
[SPSHRIMPNWASEN_GMB]

Metadata	
Scientific Name	Farfantepenaeus notialis
Current Assess ID	FAO-DR-SPSHRIMPNWASEN_GMB-1987-2016-ASHBROOK
Area	North West Africa Senegal_The Gambia
Management Authority	Food and Agriculture Organization of the United Nations
Assessor	FAO/CECAF Working Group on the Assessment of Demersal Resources
Asmts in RAM	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	TC-MT	2016	981		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*

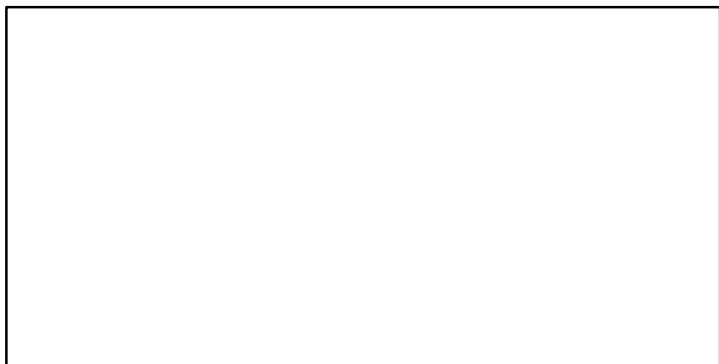


Production*

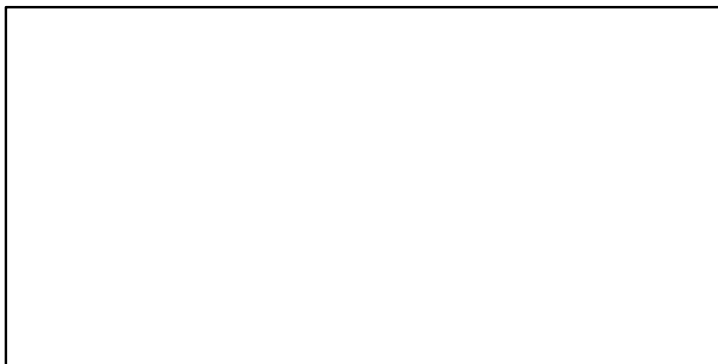


◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*

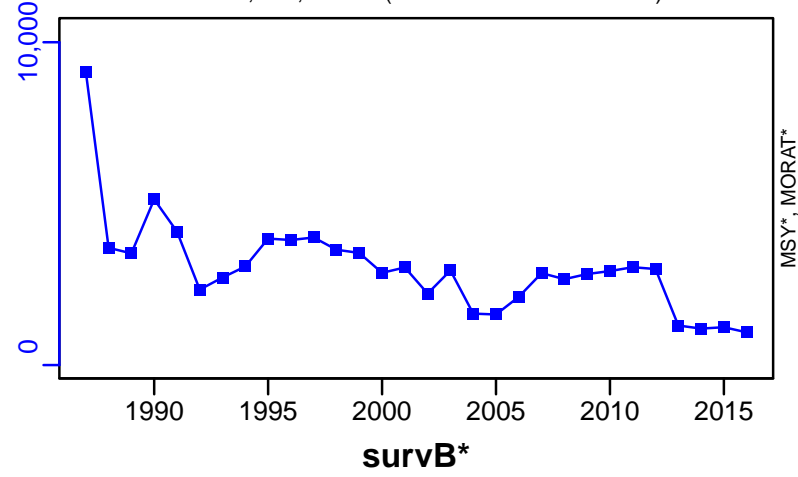


Recruits*



Southern pink shrimp North West Africa Senegal_The Gambia [SPSHRIMPNWASEN_GMB]

TC-MT, TL*, RecC* (1987-2016-ASHBROOK)



TAC*, Cpair*, Cadv*



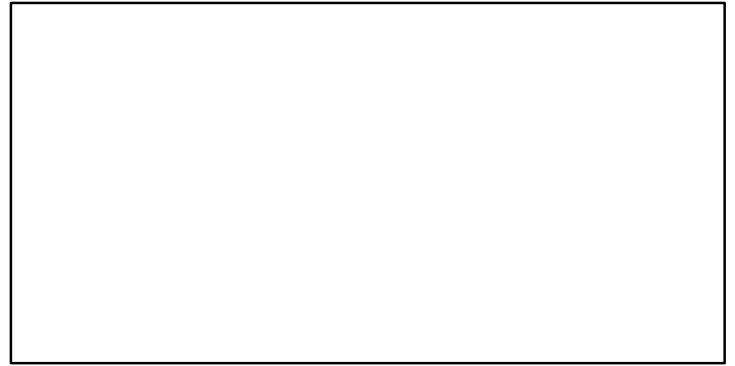
CPUE*



EFFORT*



CdivMSY*



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

Sidestripe shrimp Shrimp Management Area GTSE [SSHRIMPSMAGTSE]

Metadata	
Scientific Name	Pandalopsis dispar
Current Assess ID	DFO-SSHRIMPSMAGTSE-1992-2011-WATSON
Area	Shrimp Management Area GTSE
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Asmts in RAM	2011

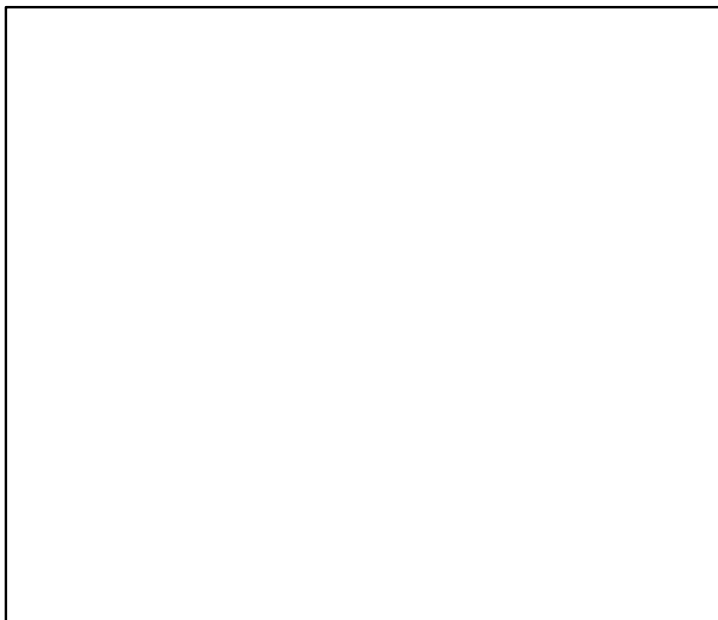
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	177	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2011	0.051	-	-
TC	-	-	-		
TL	TL-MT	2011	16		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

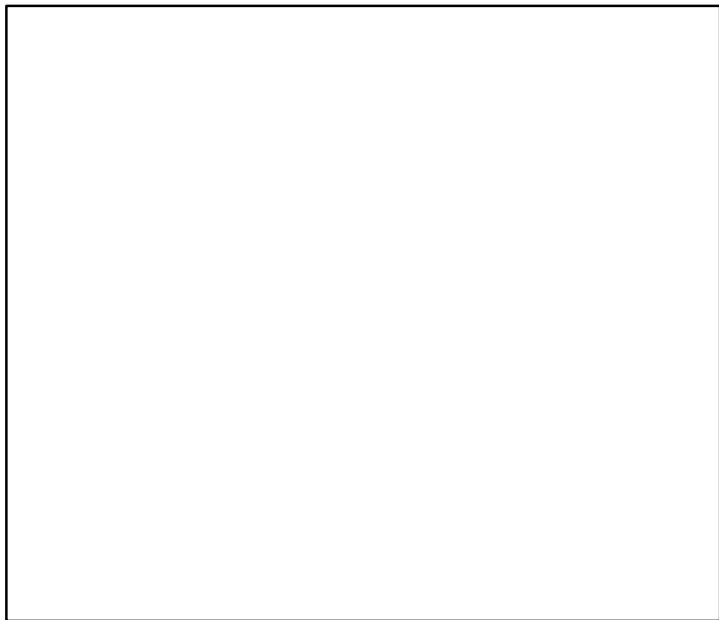
Kobe MSY*



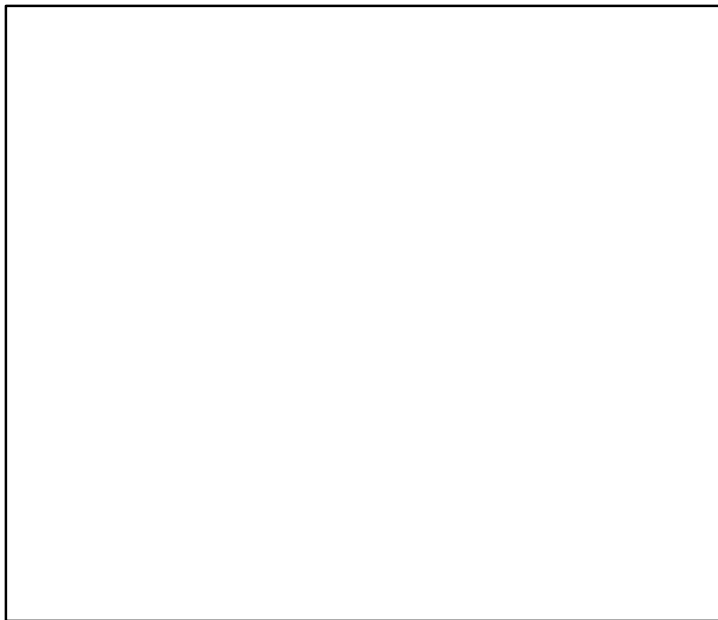
Kobe MGT*



Spawner Recruit*



Production*

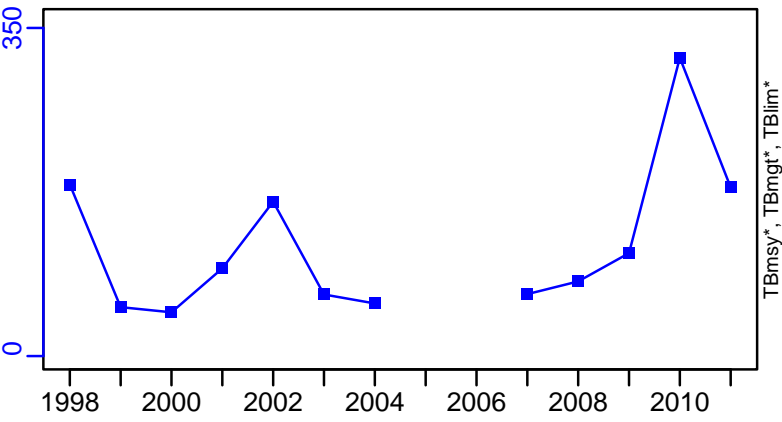


◆ Start Year ◆ End Year * No Data

Sidestripe shrimp Shrimp Management Area GTSE [SSHRIMPSMAGTSE]

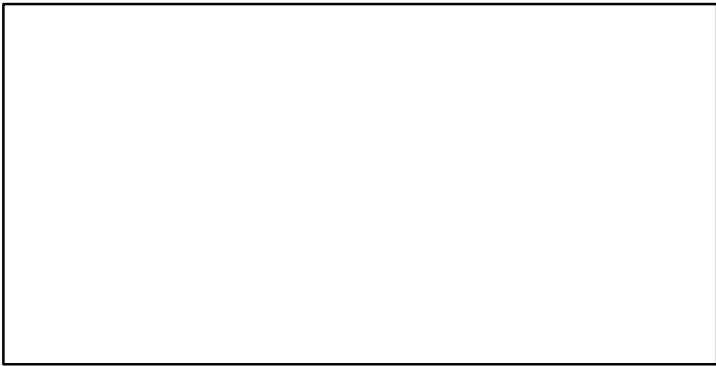
TB-MT (1992-2011-WATSON)

SSB*



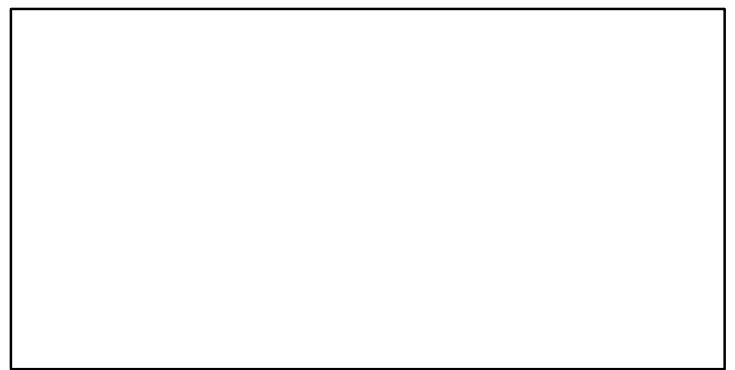
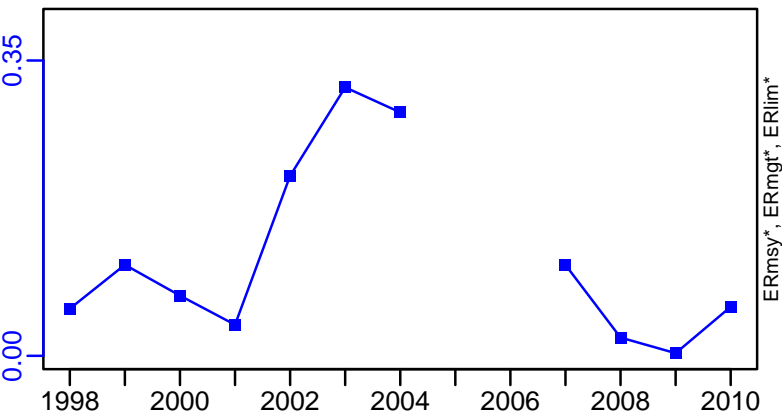
TN *

F*



ER-calc-ratio (1992-2011-WATSON)

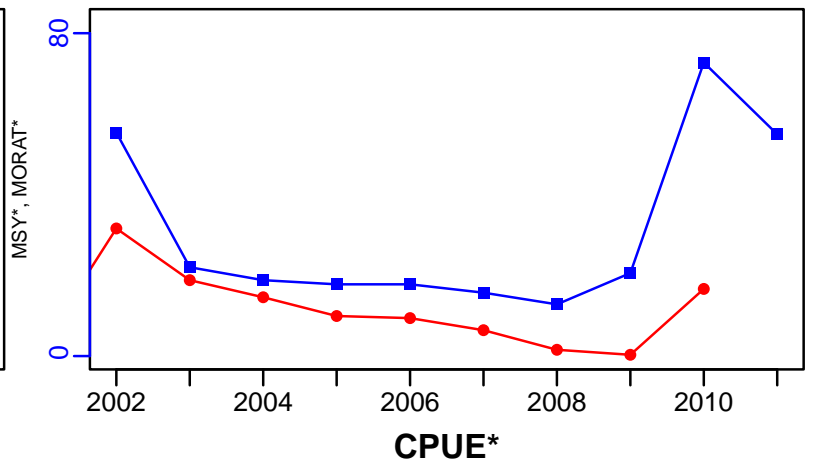
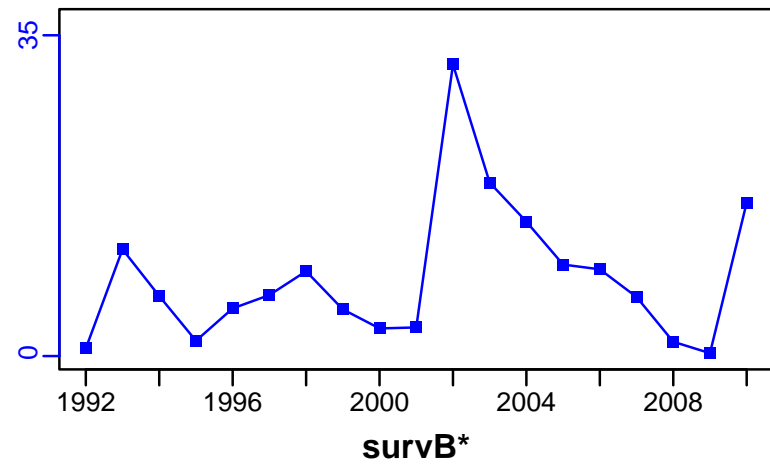
Recruits*



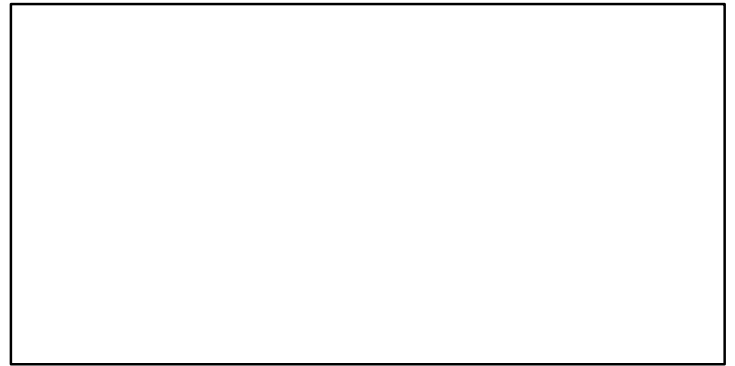
Sidestripe shrimp Shrimp Management Area GTSE [SSHRIMPSMAGTSE]

TL-MT, TC*, RecC* (1992-2011-WATSON)

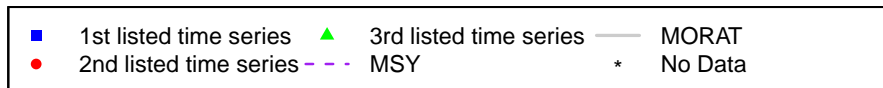
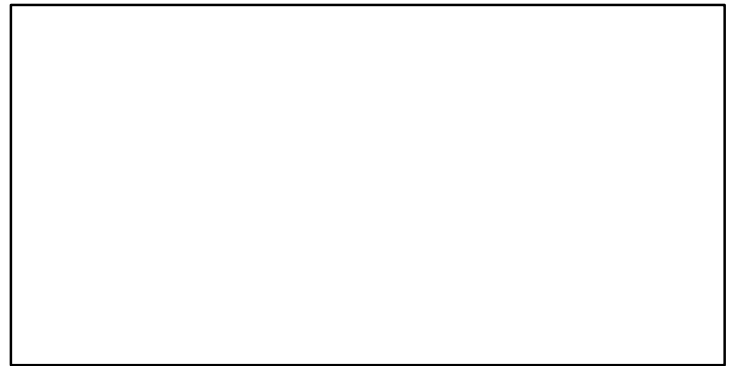
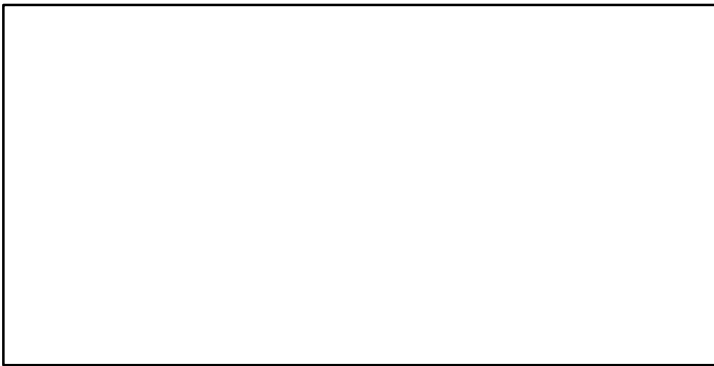
TAC-MT, Cpair-MT, Cadv* (1992-2011-WATSON)



EFFORT*



CdivMSY*



Sidestripe shrimp Shrimp Management Area PRD [SSHRIMPSPMAPRD]

Metadata	
Scientific Name	Pandalopsis dispar
Current Assess ID	DFO-SSHRIMPSPMAPRD-1987-2011-WATSON
Area	Shrimp Management Area PRD
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Asmts in RAM	2011

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	2011	53		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



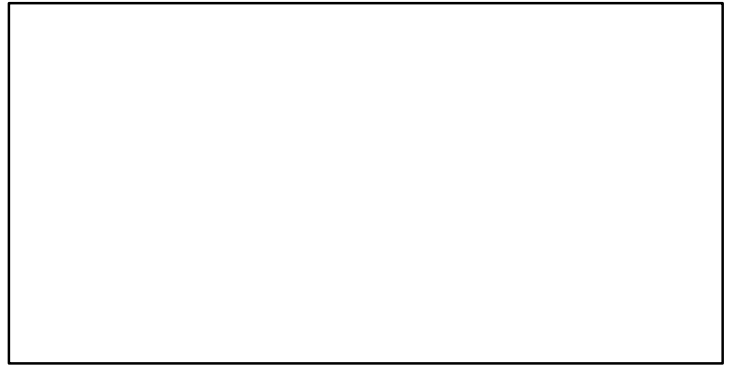
◆ Start Year ◆ End Year * No Data

Sidestripe shrimp Shrimp Management Area PRD [SSHRIMPSMAPRD]

TB*



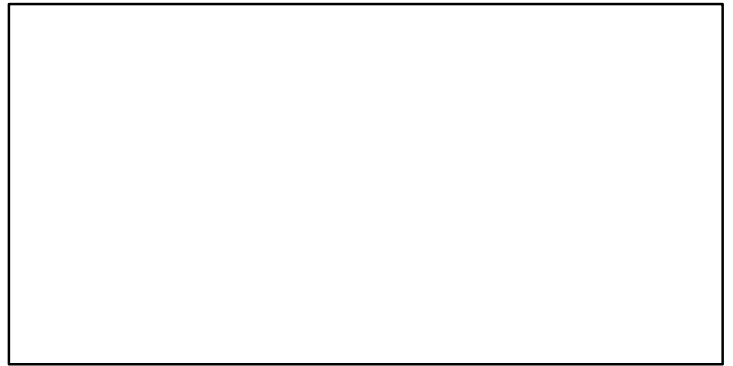
SSB*



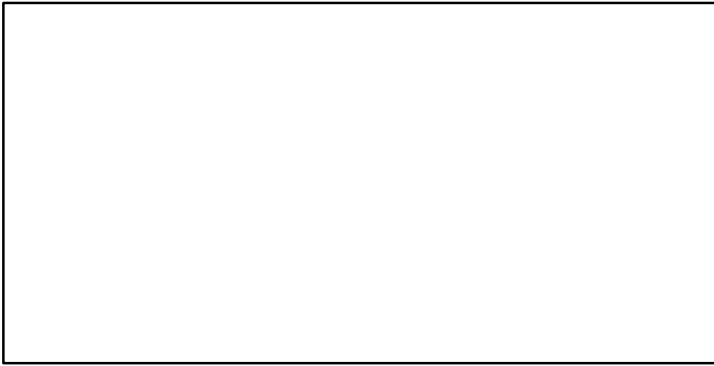
TN *



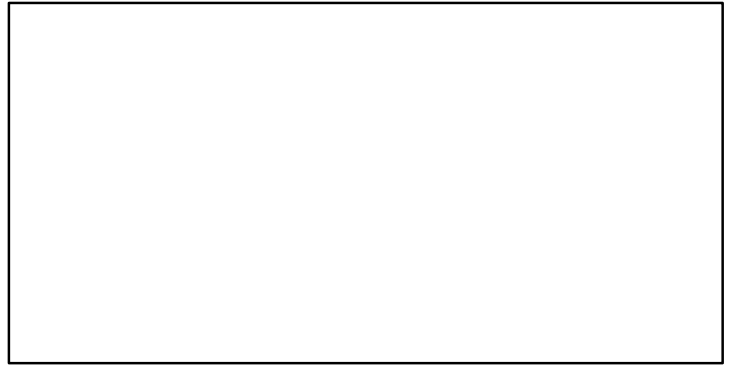
F*



ER*



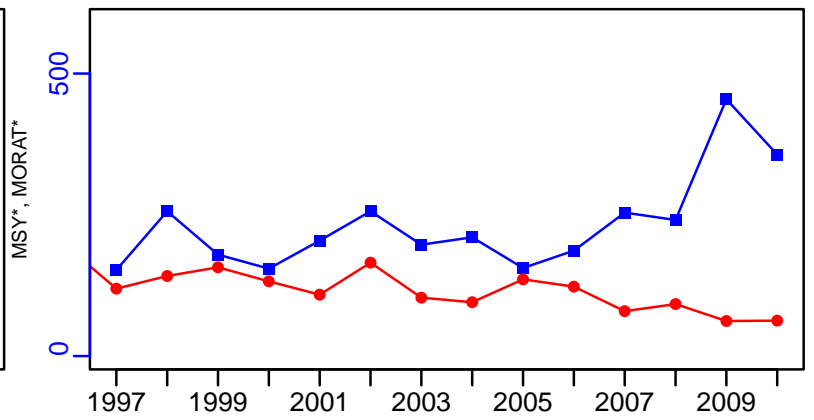
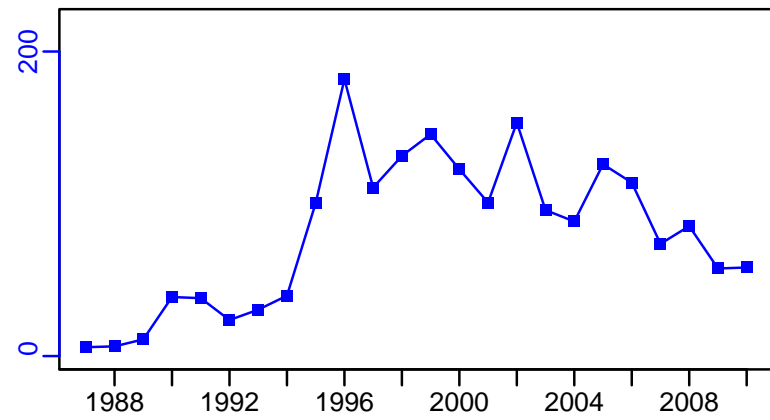
Recruits*



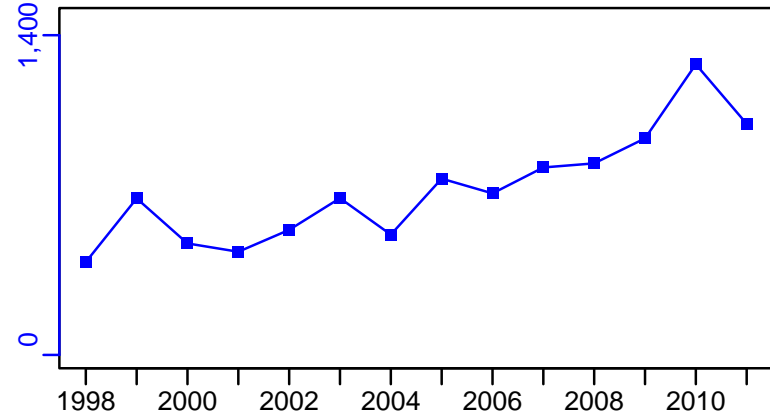
Sidestripe shrimp Shrimp Management Area PRD [SSHRIMPSMAPRD]

TL-MT, TC*, RecC* (1987-2011-WATSON)

TAC-MT, Cpair-MT, Cadv* (1987-2011-WATSON)



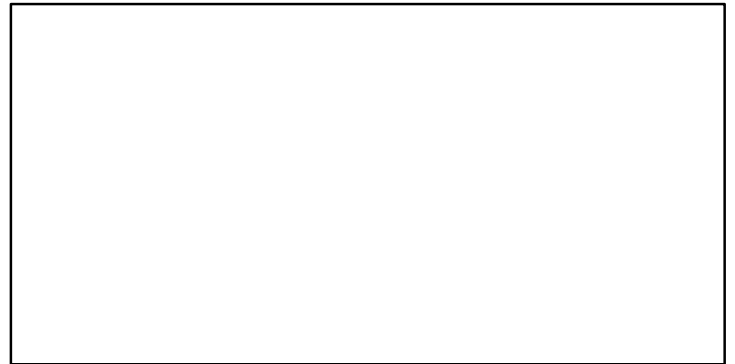
survB-MT (1987-2011-WATSON)



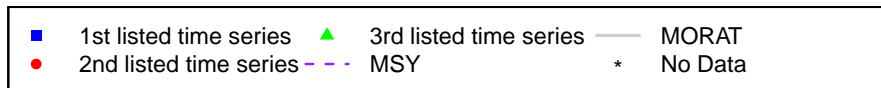
EFFORT*



CPUE*



CdivMSY*



Sidestripe shrimp Shrimp Management Area 14 [SSSHRIMPSMA14]

Metadata	
Scientific Name	Pandalopsis dispar
Current Assess ID	DFO-SSSHRIMPSMA14-1987-2011-WATSON
Area	Shrimp Management Area 14
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Asmts in RAM	2011

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	2011	10		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



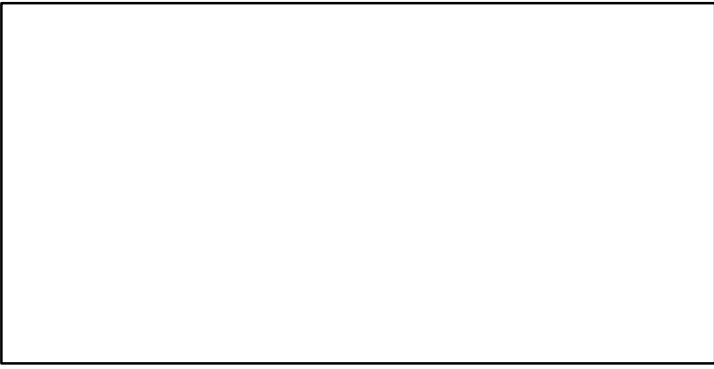
Production*



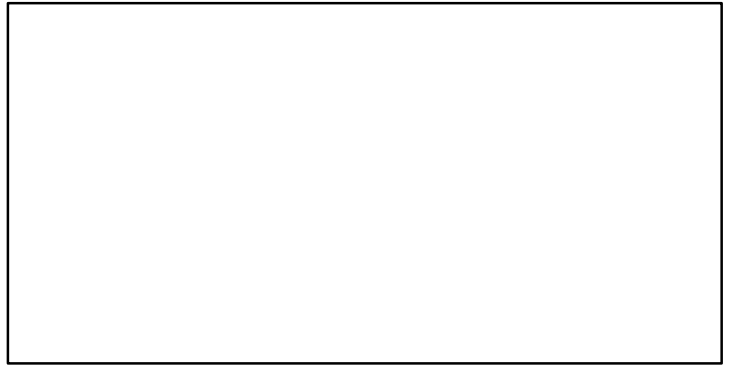
◆ Start Year ◆ End Year * No Data

Sidestripe shrimp Shrimp Management Area 14 [SSSHRIMPSMA14]

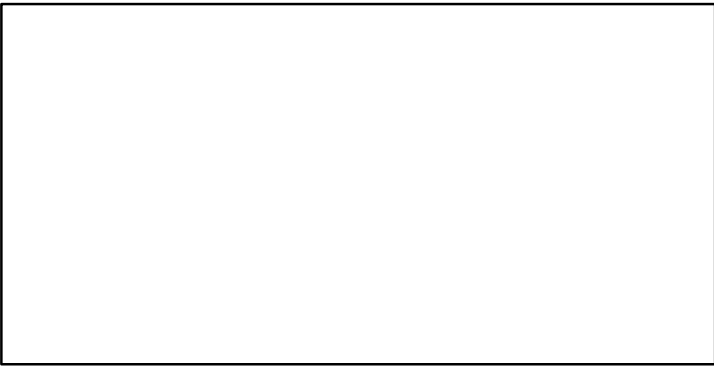
TB*



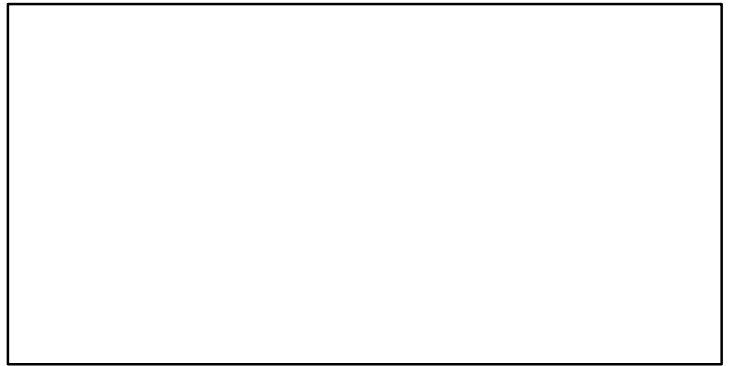
SSB*



TN *



F*



ER*



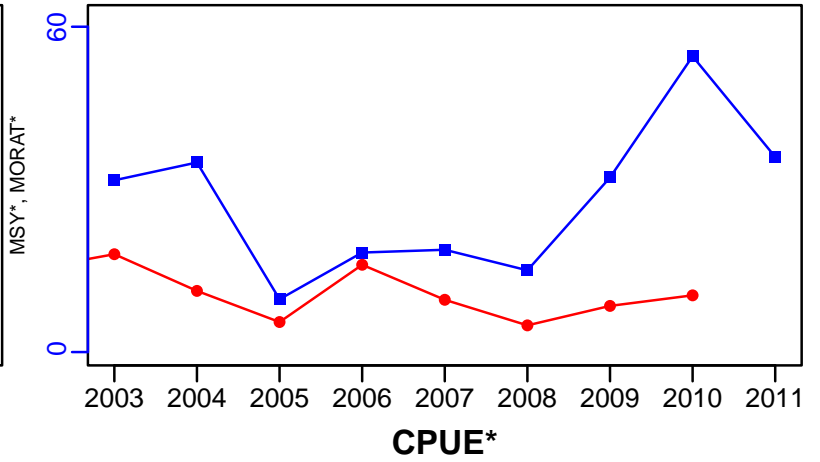
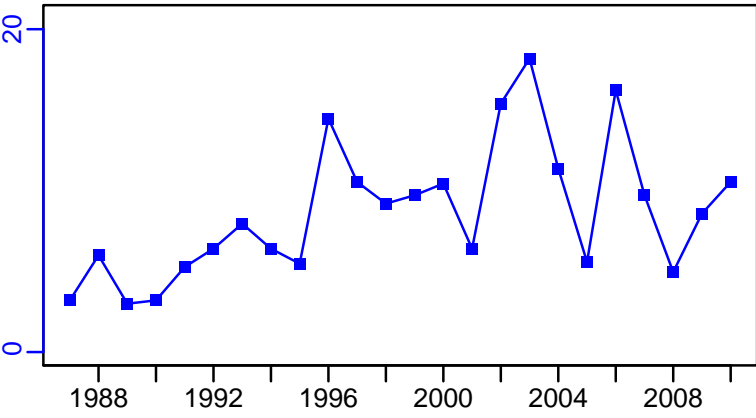
Recruits*



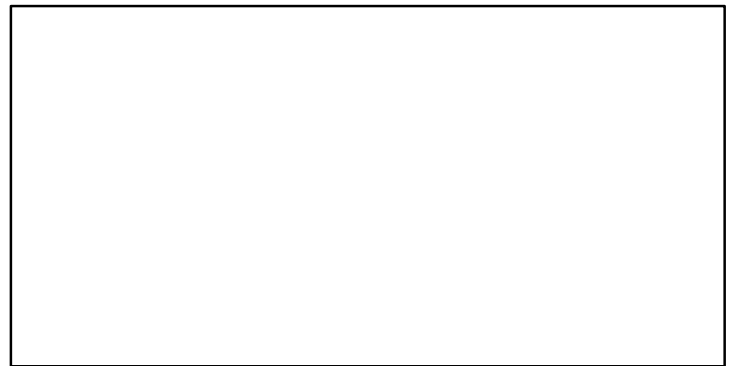
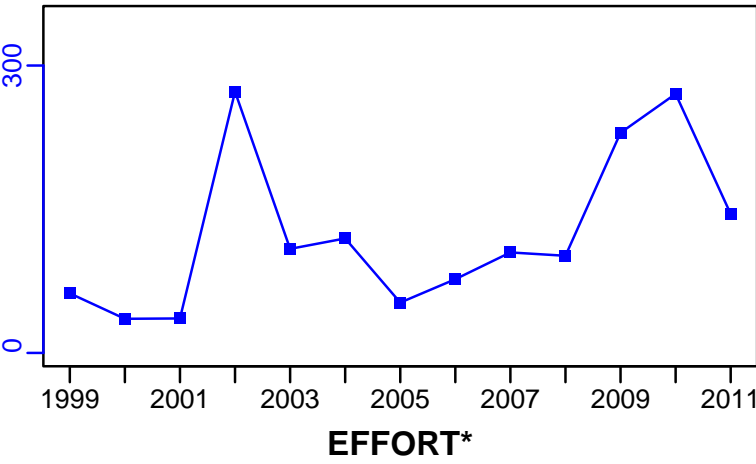
Sidestripe shrimp Shrimp Management Area 14 [SSSHRIMPSMA14]

TL-MT, TC*, RecC* (1987-2011-WATSON)

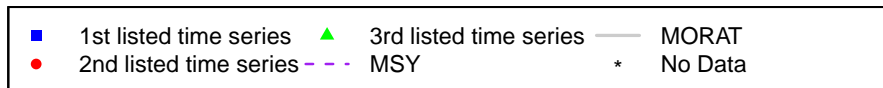
TAC-MT, Cpair-MT, Cadv* (1987-2011-WATSON)



survB-MT (1987-2011-WATSON)



CdivMSY*



Sidestripe shrimp Shrimp Management Area 16 [SSSHRIMPSMA16]

Metadata	
Scientific Name	Pandalopsis dispar
Current Assess ID	DFO-SSSHRIMPSMA16-1987-2011-WATSON
Area	Shrimp Management Area 16
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Asmts in RAM	2011

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	TB-MT	2011	34	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2011	0.062	-	-
TC	-	-	-		
TL	TL-MT	2011	6		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*

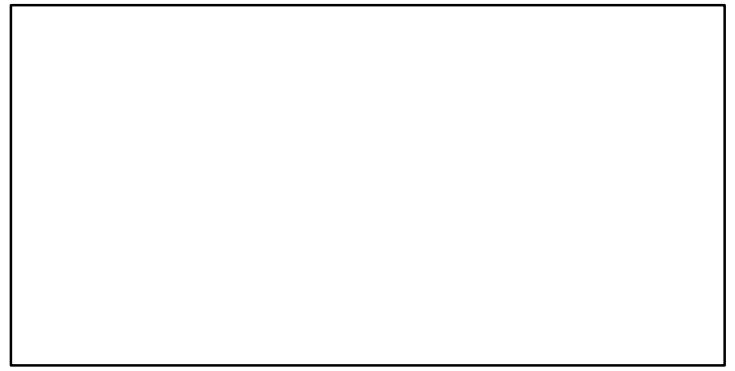
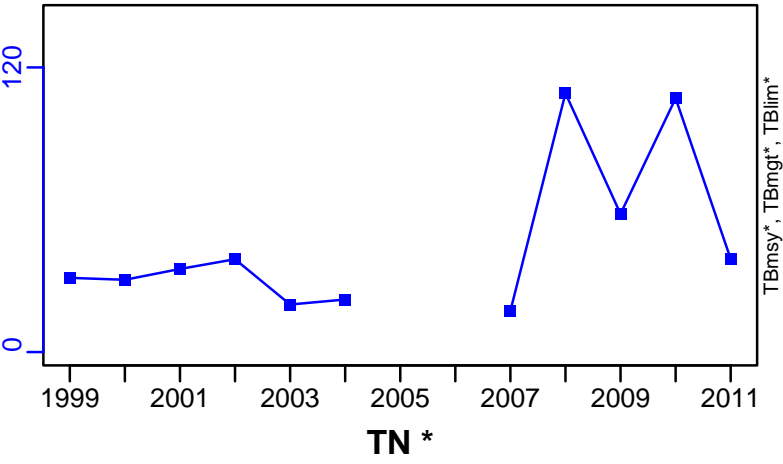


◆ Start Year ◆ End Year * No Data

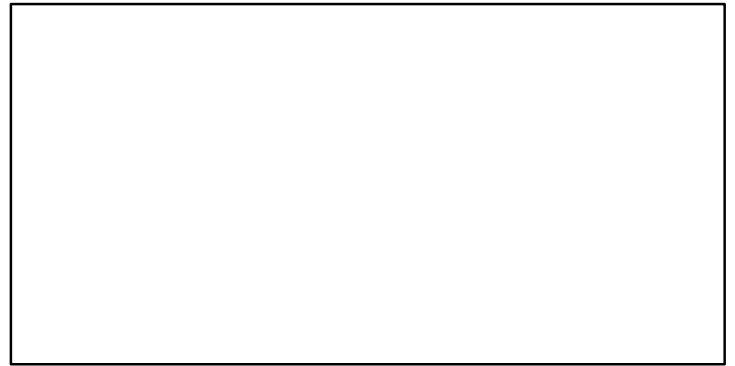
Sidestripe shrimp Shrimp Management Area 16 [SSSHRIMPSMA16]

TB-MT (1987-2011-WATSON)

SSB*

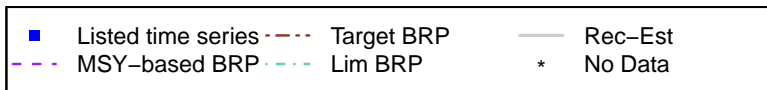


F*



ER-calc-ratio (1987-2011-WATSON)

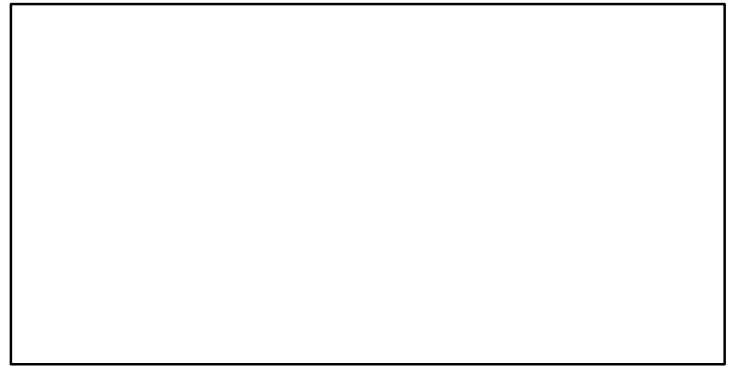
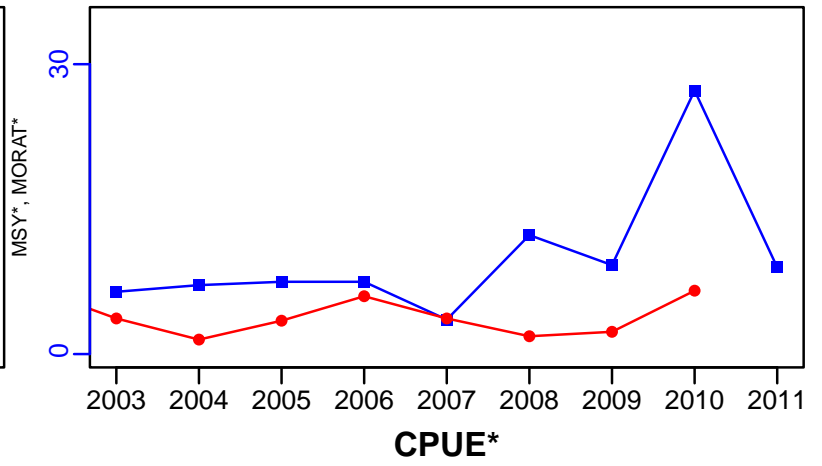
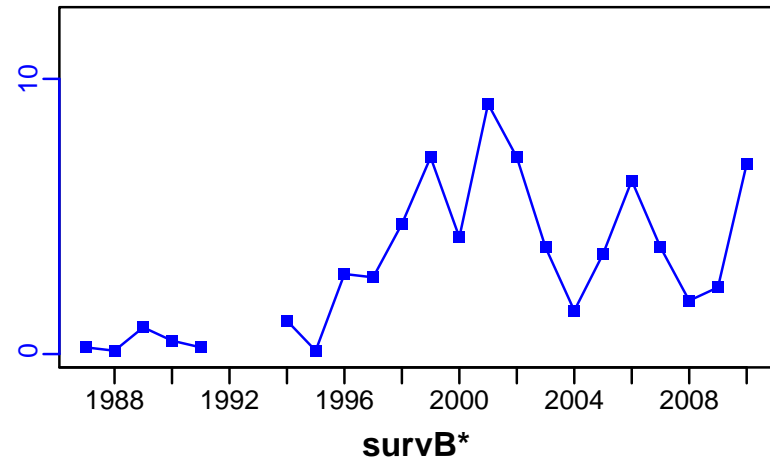
Recruits*



Sidestripe shrimp Shrimp Management Area 16 [SSSHRIMPSMA16]

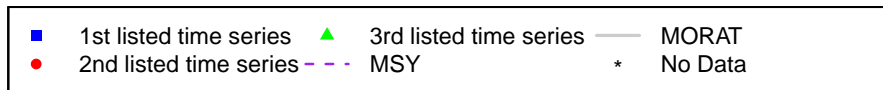
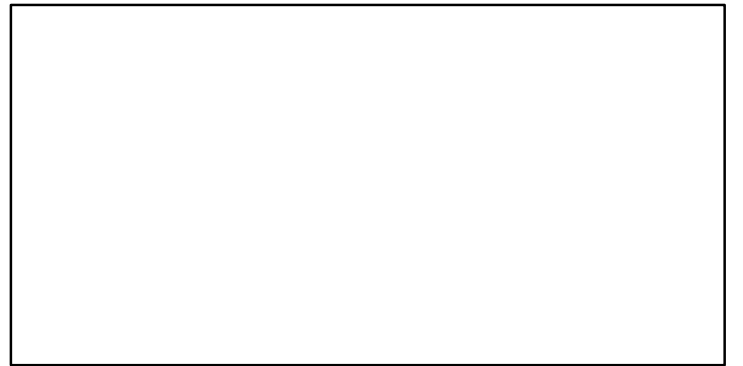
TL-MT, TC*, RecC* (1987-2011-WATSON)

TAC-MT, Cpair-MT, Cadv* (1987-2011-WATSON)



EFFORT*

CdivMSY*



Sidestripe shrimp Shrimp Management Areas 18 and 19 [SSSHRIMPSMA18-19]

Metadata	
Scientific Name	Pandalopsis dispar
Current Assess ID	DFO-SSSHRIMPSMA18-19-1987-2011-WATSON
Area	Shrimp Management Areas 18 and 19
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Asmts in RAM	2011

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	TB-MT	2011	22	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2011	0	-	-
TC	-	-	-		
TL	TL-MT	2011	0		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



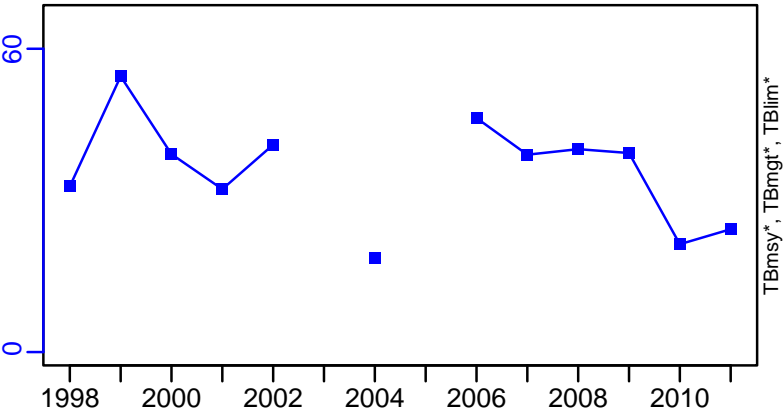
Production*



◆ Start Year ◆ End Year * No Data

Sidestripe shrimp Shrimp Management Areas 18 and 19 [SSSHRIMPSMA18-19]

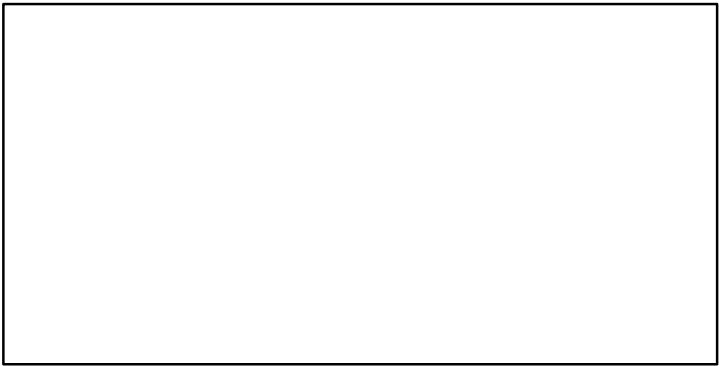
TB-MT (1987-2011-WATSON)



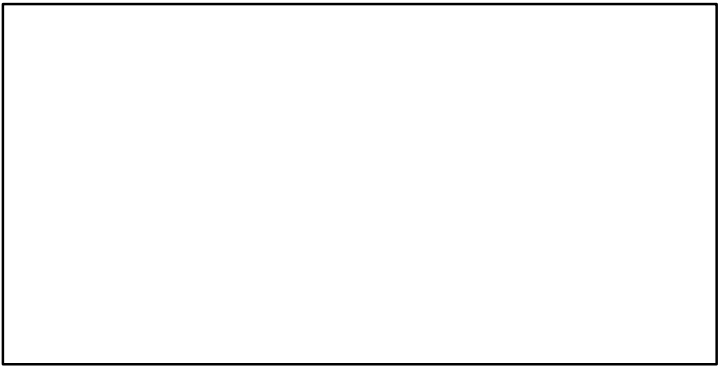
SSB*



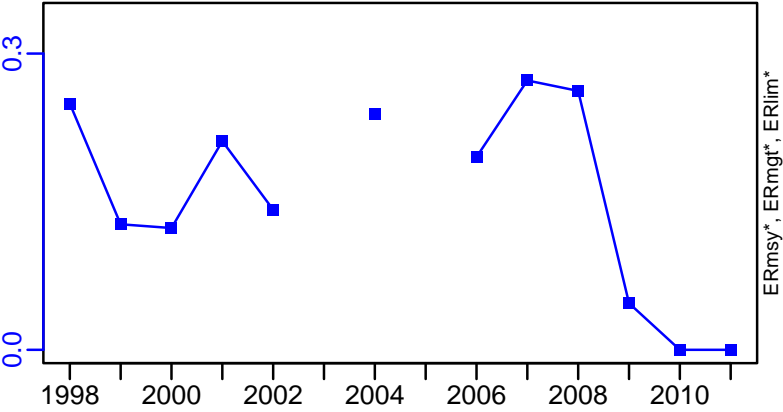
TN *



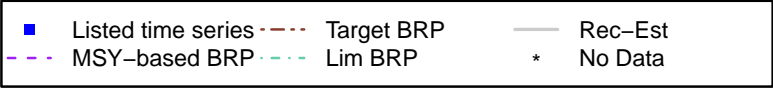
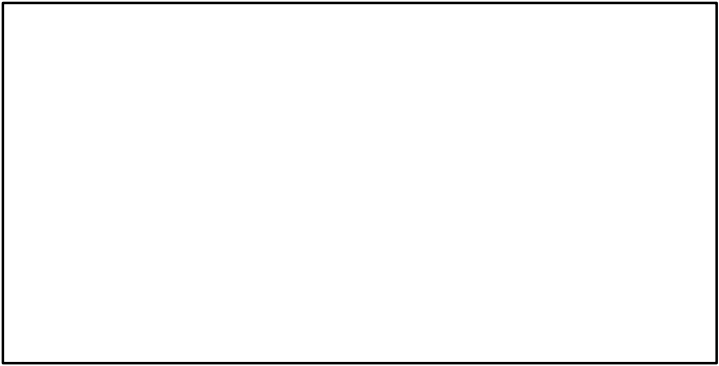
F*



ER-calc-ratio (1987-2011-WATSON)

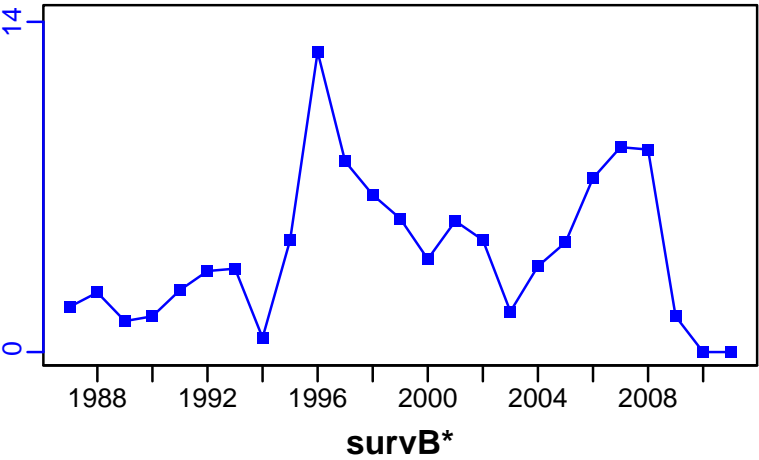


Recruits*

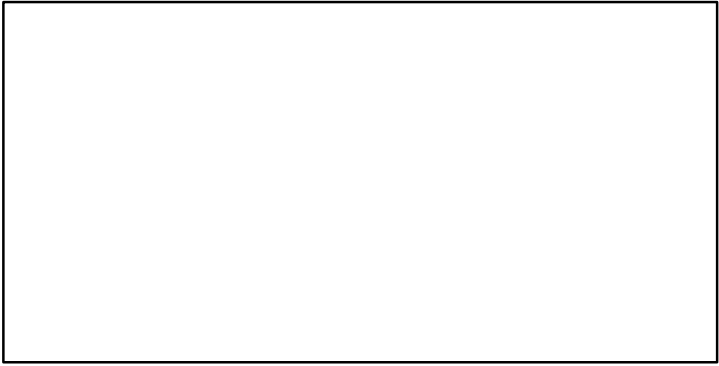
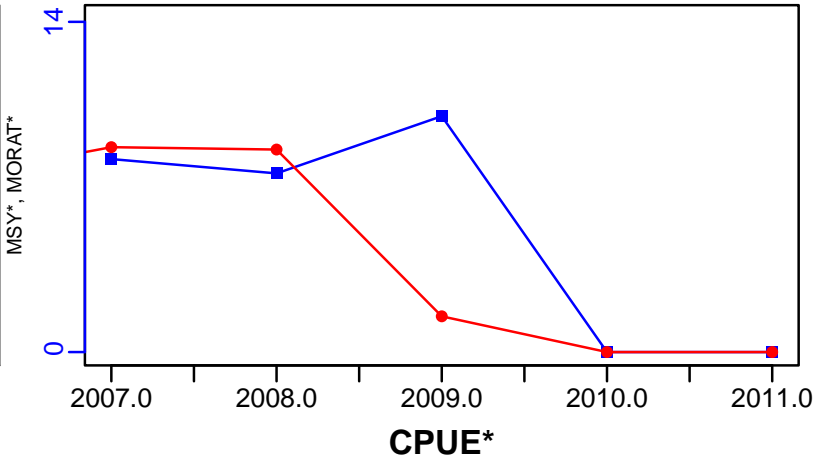


Sidestripe shrimp Shrimp Management Areas 18 and 19 [SSSHRIMPSMA18-19]

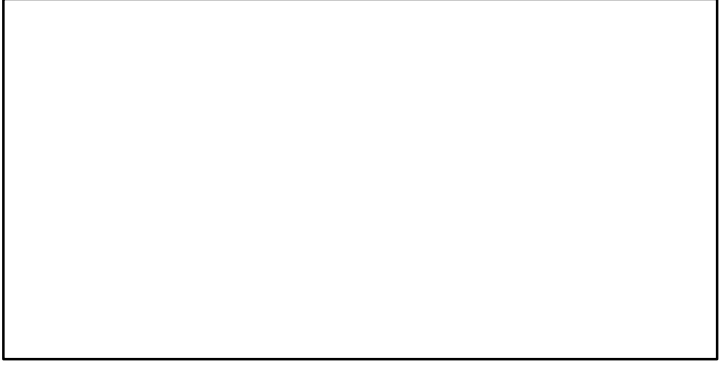
TL-MT, TC*, RecC* (1987-2011-WATSON)



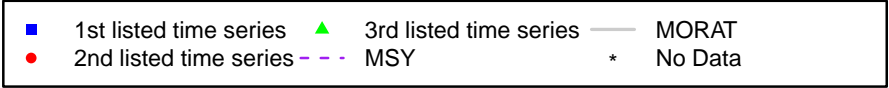
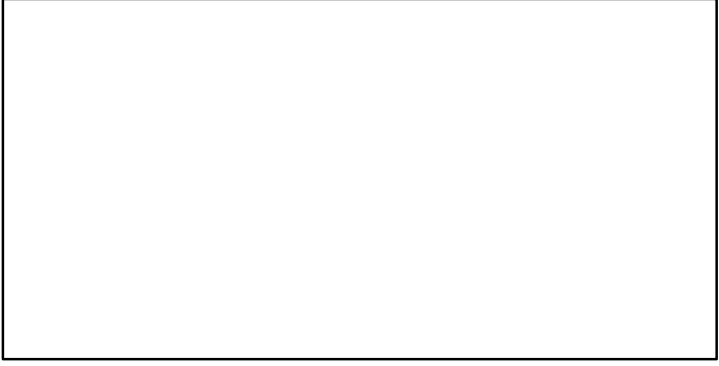
TAC-MT, Cpair-MT, Cadv* (1987-2011-WATSON)



EFFORT*



CdivMSY*



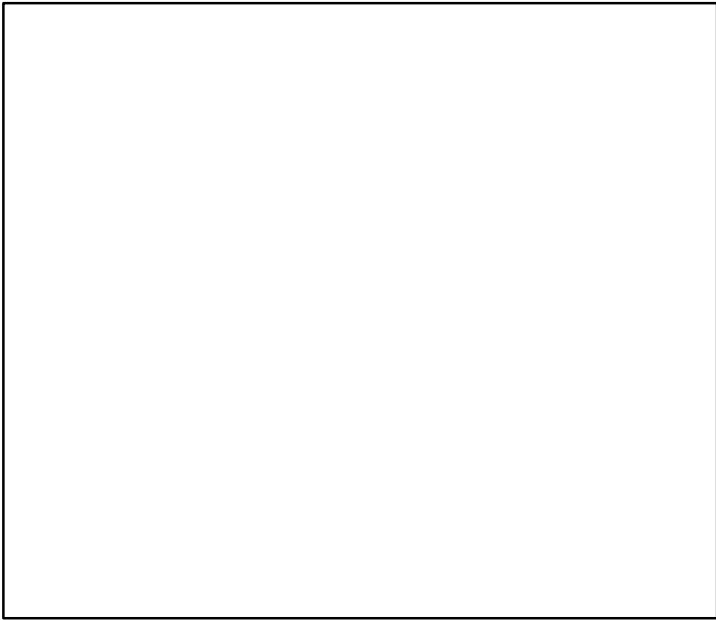
Sidestripe shrimp Shrimp Management Area FR [SSSHRIMPSMAFR]

Metadata	
Scientific Name	Pandalopsis dispar
Current Assess ID	DFO-SSSHRIMPSMAFR-1987-2011-WATSON
Area	Shrimp Management Area FR
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Asmts in RAM	2011

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	2011	38		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

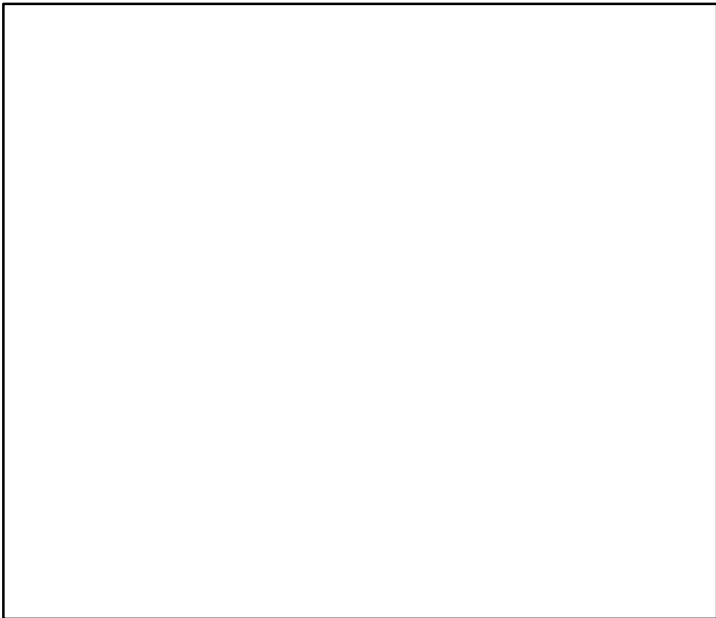
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Sidestripe shrimp Shrimp Management Area FR [SSSHRIMPSMAFR]

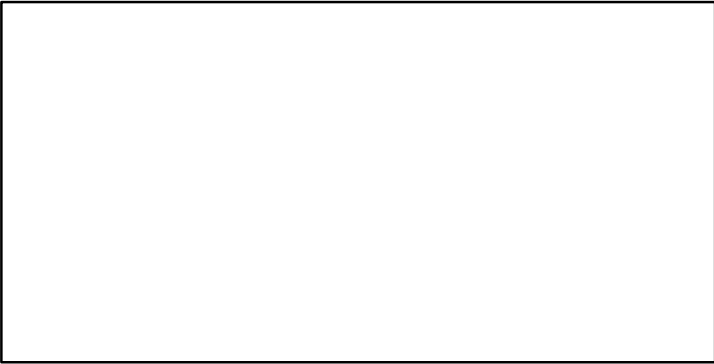
TB*



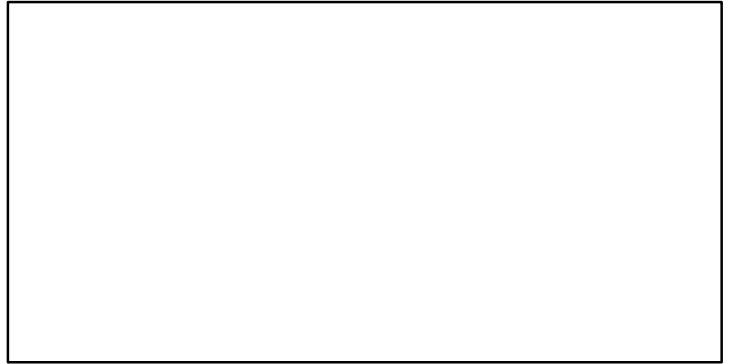
SSB*



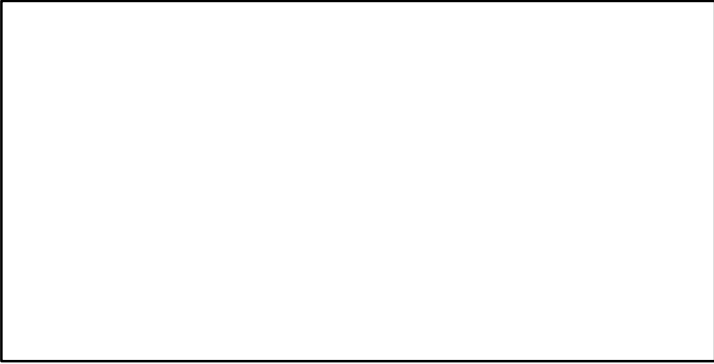
TN *



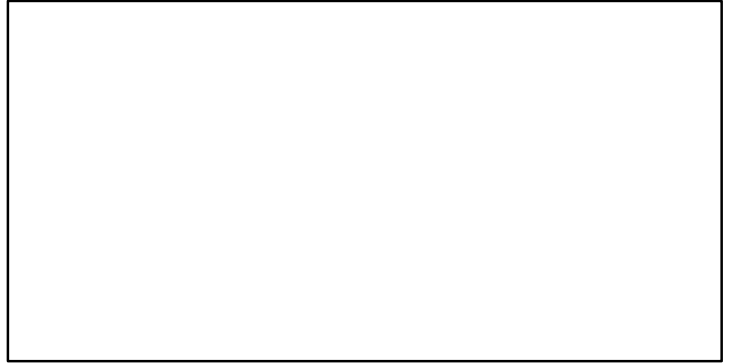
F*



ER*

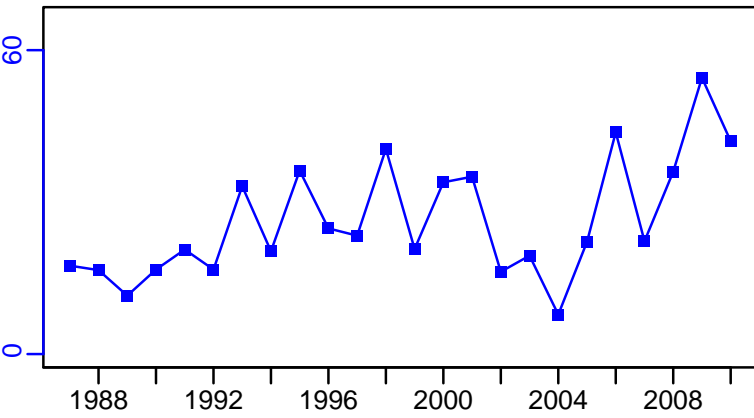


Recruits*

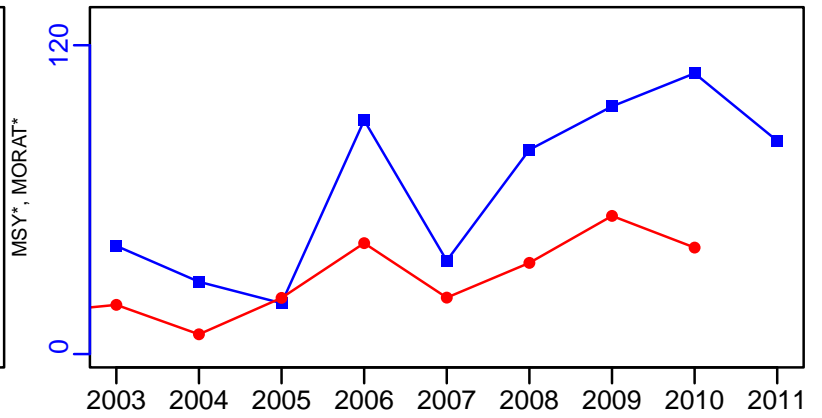


Sidestripe shrimp Shrimp Management Area FR [SSSHRIMPSMAFR]

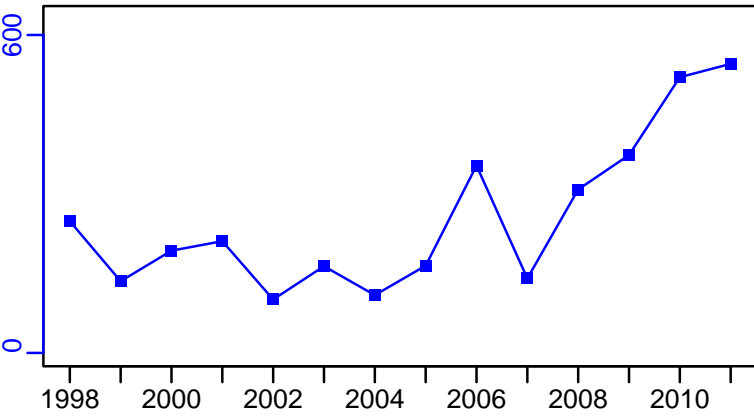
TL-MT, TC*, RecC* (1987-2011-WATSON)



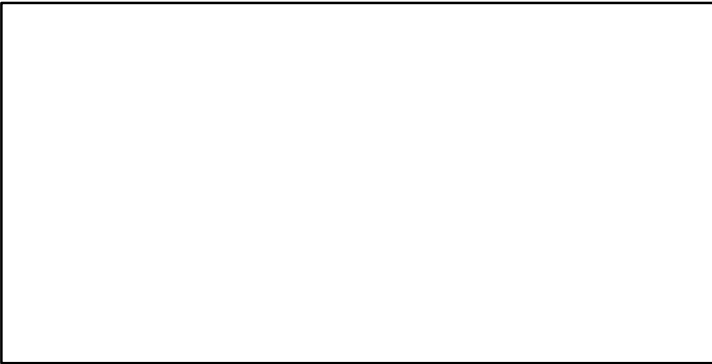
TAC-MT, Cpair-MT, Cadv* (1987-2011-WATSON)



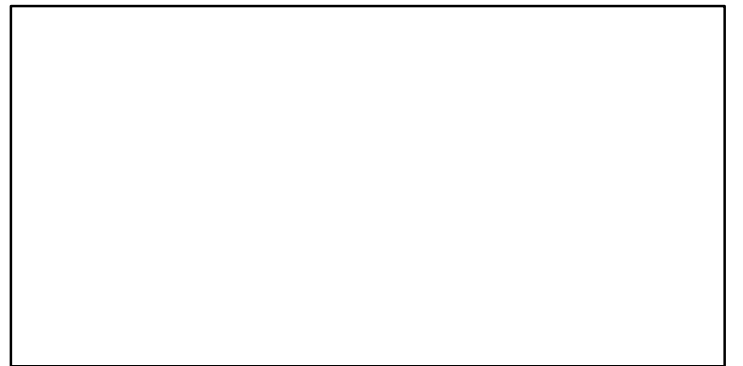
survB-MT (1987-2011-WATSON)



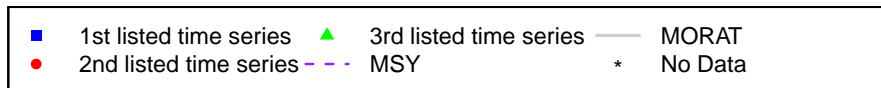
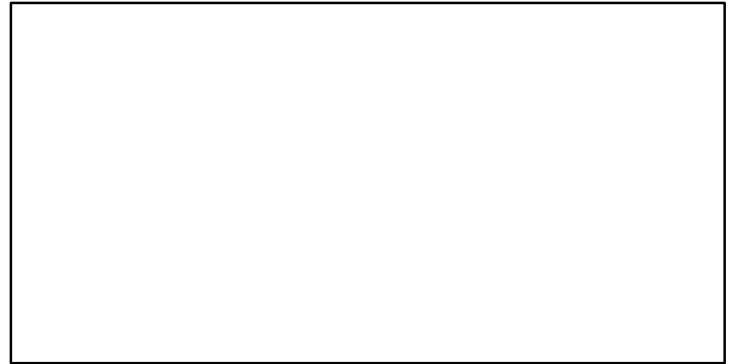
EFFORT*



CPUE*



CdivMSY*



Aesop shrimp Nunavut/Nunavik East [STRSHRIMPNUNE]

Metadata	
Scientific Name	Pandalus montagui
Current Assess ID	DFO-ARCTIC-STRSHRIMPNUNE-1978-2018-ASHBROOK
Area	Nunavut/Nunavik East
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Arctic Region
Asmts in RAM	2018

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	2018	150		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



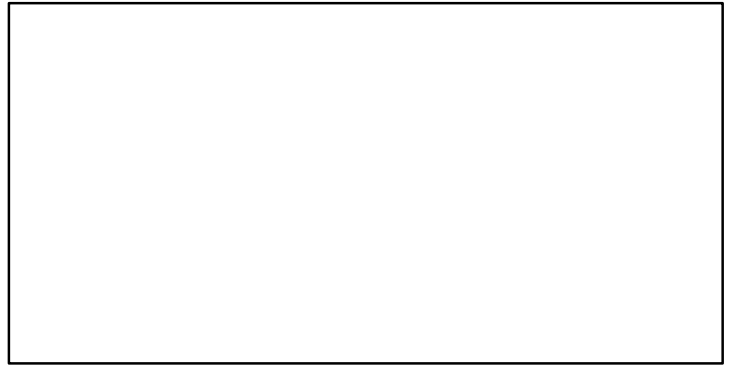
◆ Start Year	◆ End Year	* No Data
--------------	------------	-----------

Aesop shrimp Nunavut/Nunavik East [STRSHRIMPNUNE]

TB*



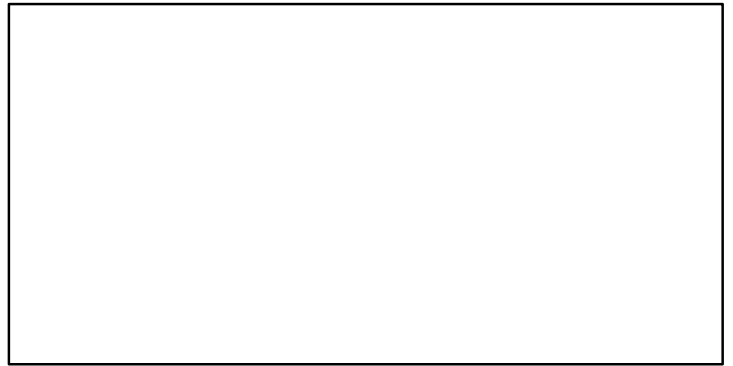
SSB*



TN *



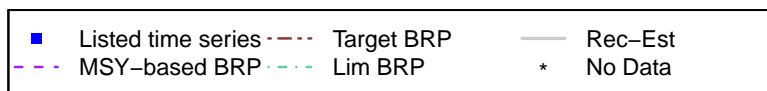
F*



ER*



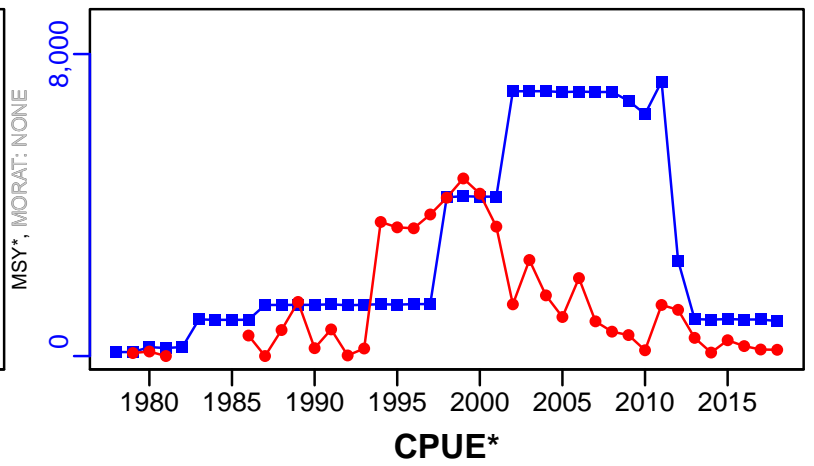
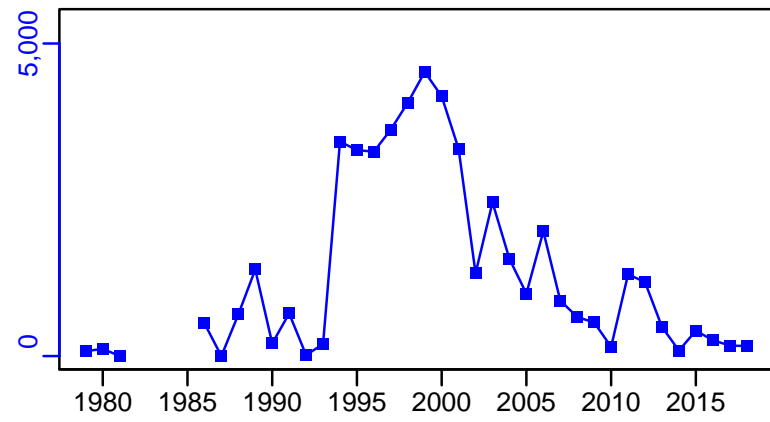
Recruits*



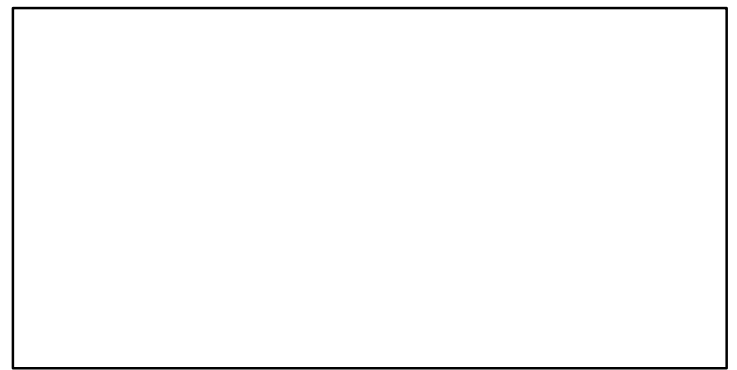
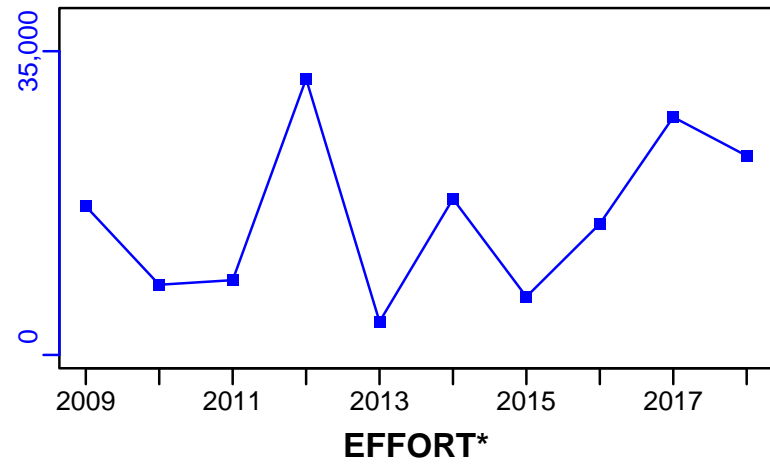
Aesop shrimp Nunavut/Nunavik East [STRSHRIMPNUNE]

TL-MT, TC*, RecC* (1978-2018-ASHBROOK)

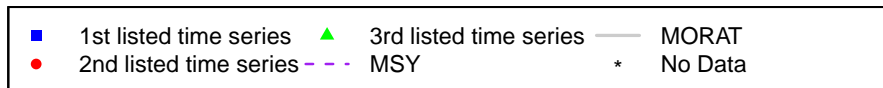
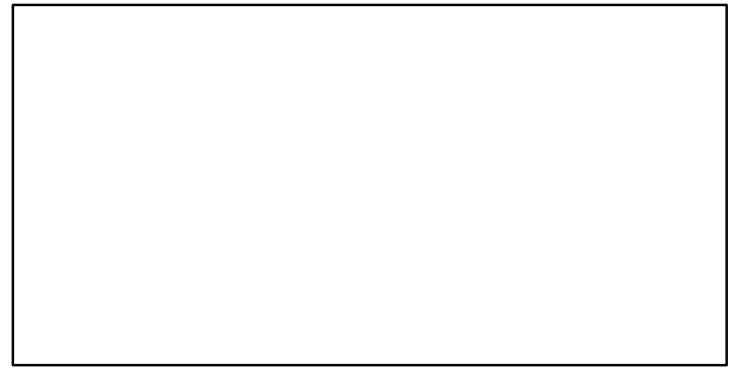
TAC-MT, Cpair-MT, Cadv* (1978-2018-ASHBROOK)



survB-MT (1978-2018-ASHBROOK)



CdivMSY*



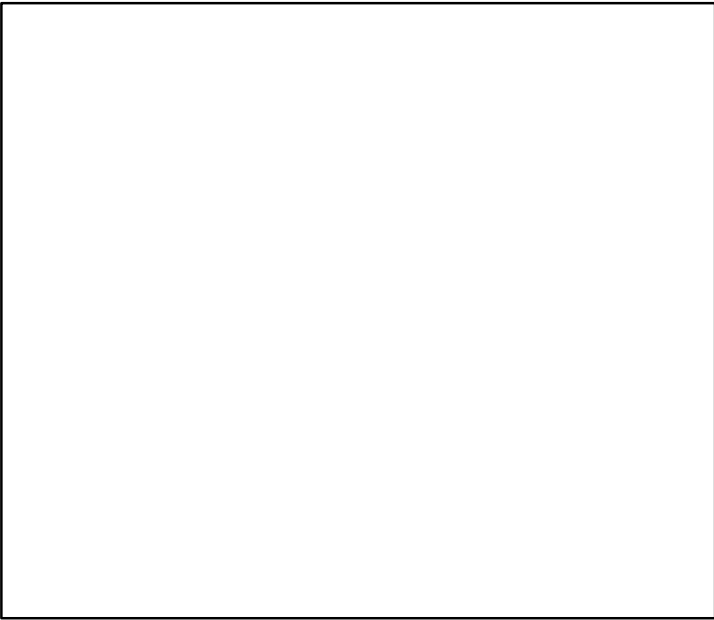
Aesop shrimp Nunavut/Nunavik West [STRSHRIMPUNW]

Metadata	
Scientific Name	Pandalus montagui
Current Assess ID	DFO-ARCTIC-STRSHRIMPUNW-1978-2018-ASHBROOK
Area	Nunavut/Nunavik West
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Arctic Region
Asmts in RAM	2018

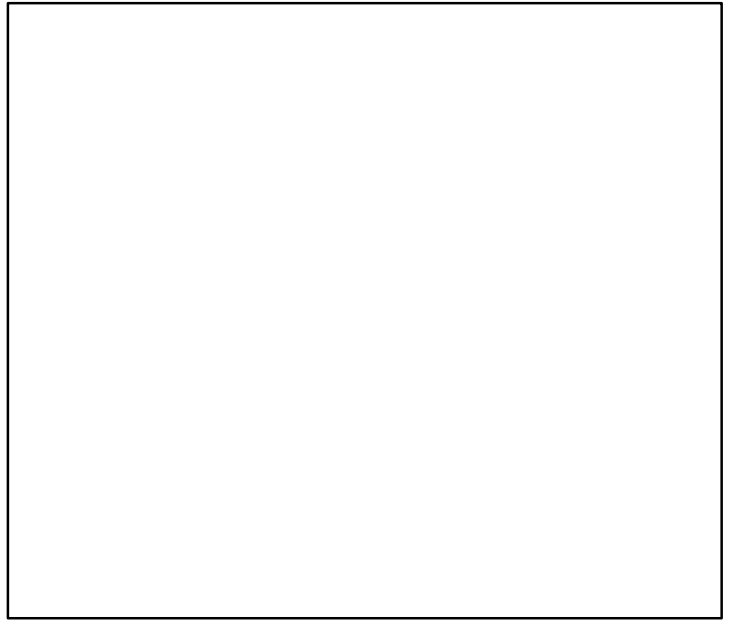
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2018	5530		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

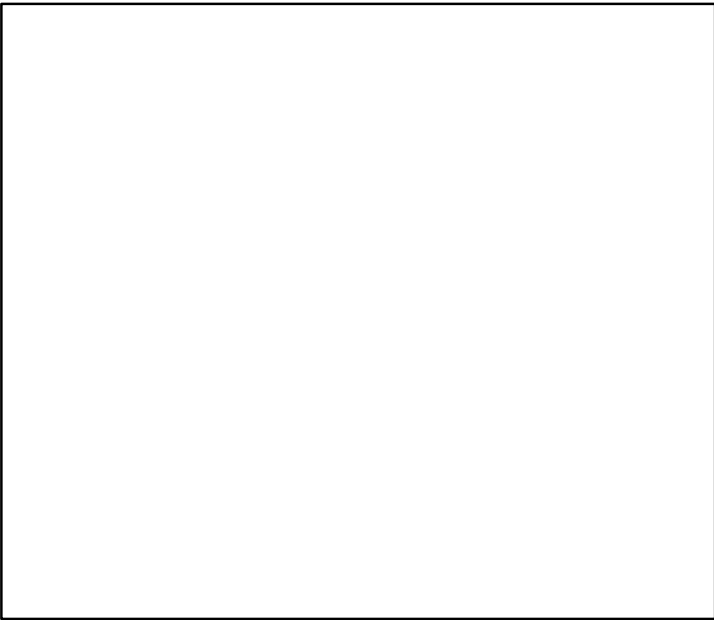
Kobe MSY*



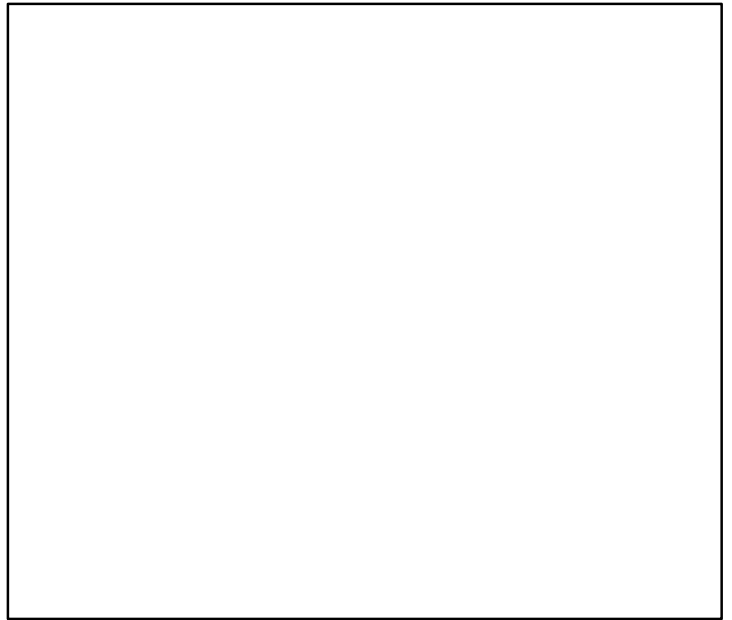
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*



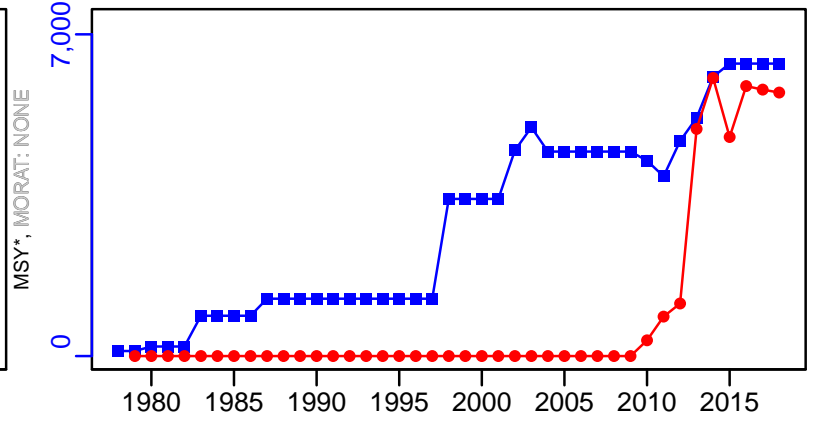
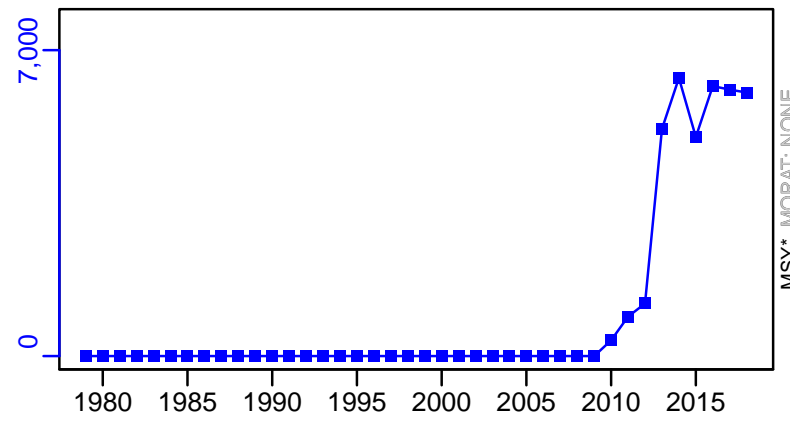
Recruits*



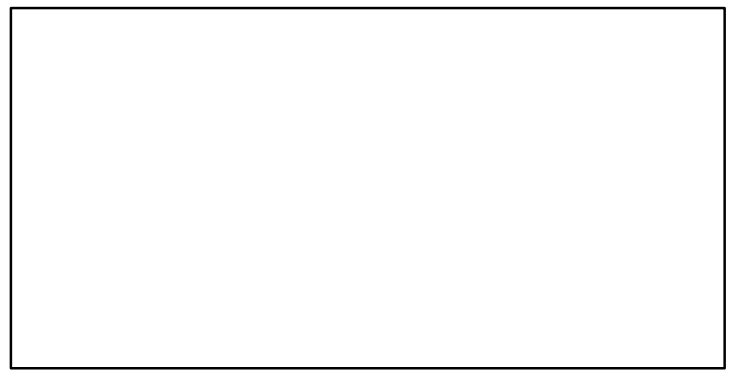
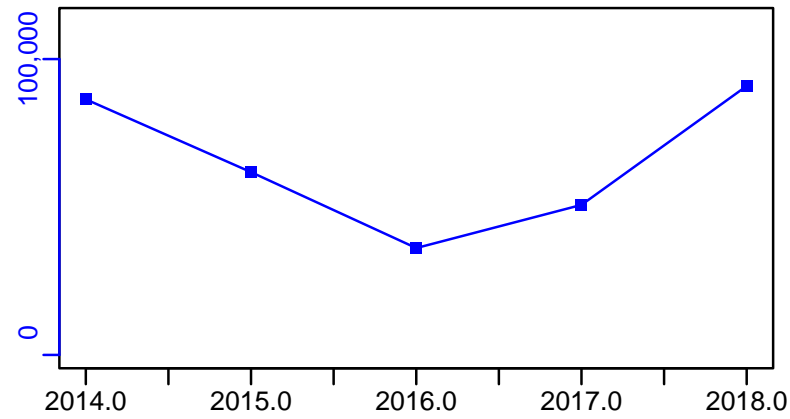
Aesop shrimp Nunavut/Nunavik West [STRSHRIMPNUW]

TL-MT, TC*, RecC* (1978-2018-ASHBROOK)

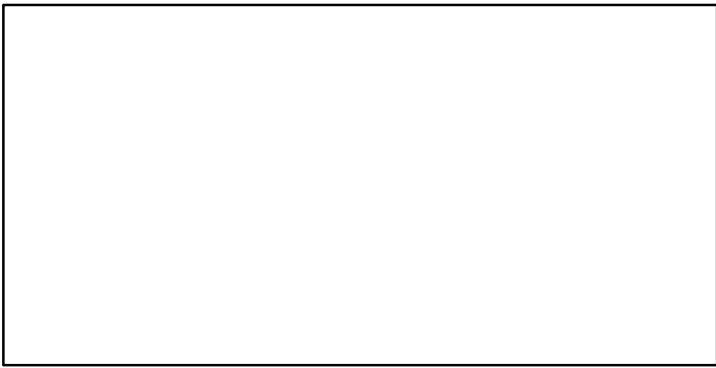
TAC-MT, Cpair-MT, Cadv* (1978-2018-ASHBROOK)



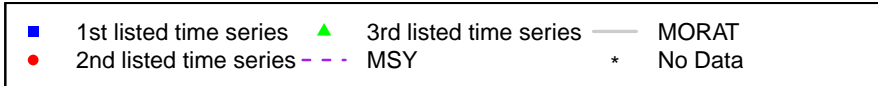
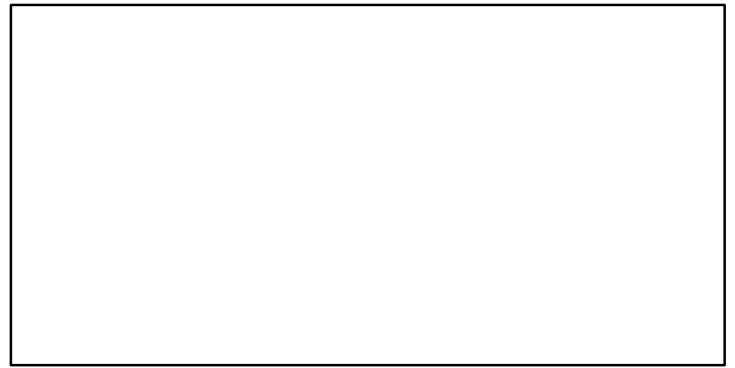
survB-MT (1978-2018-ASHBROOK)



EFFORT*



CdivMSY*



Aesop shrimp Shrimp Fishing Area 4 [STRSHRIMPSFA4]

Metadata	
Scientific Name	Pandalus montagui
Current Assess ID	DFO-NFLD-STRSHRIMPSFA4-2002-2018-ASHBROOK
Area	Shrimp Fishing Area 4
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Newfoundland Region
Asmts in RAM	2018

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	2018	2570		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

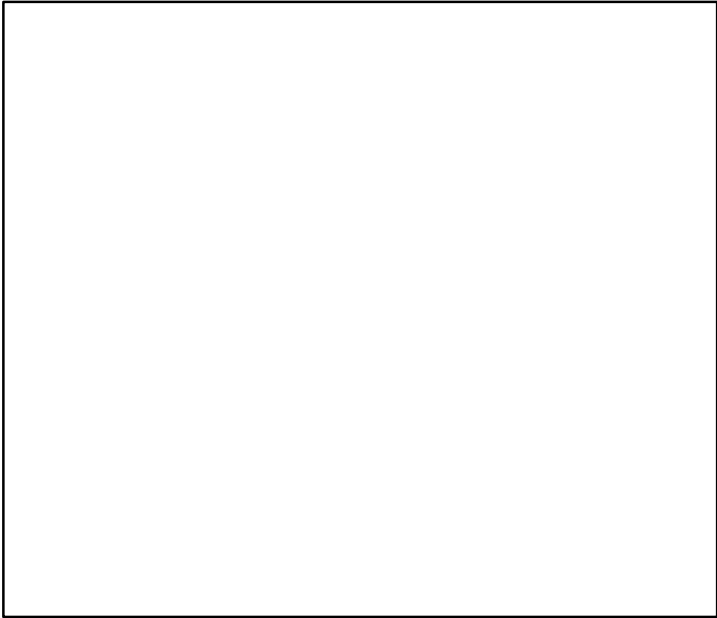
Kobe MSY*



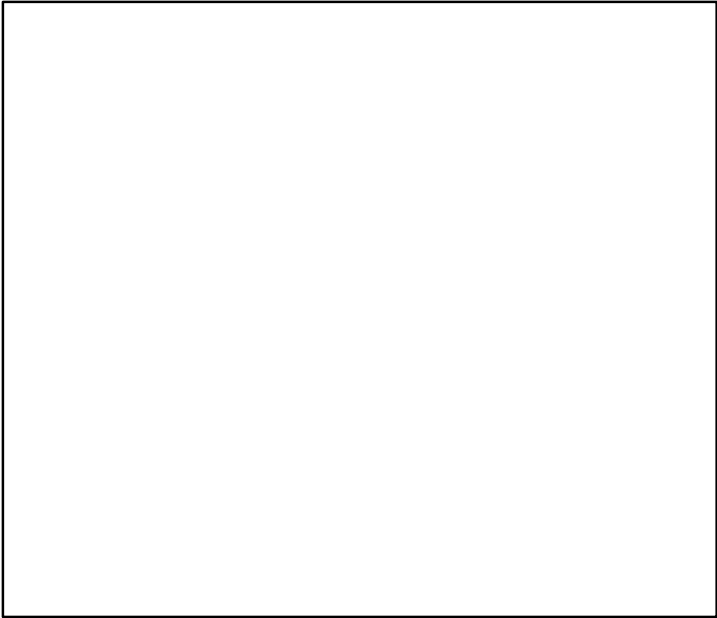
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

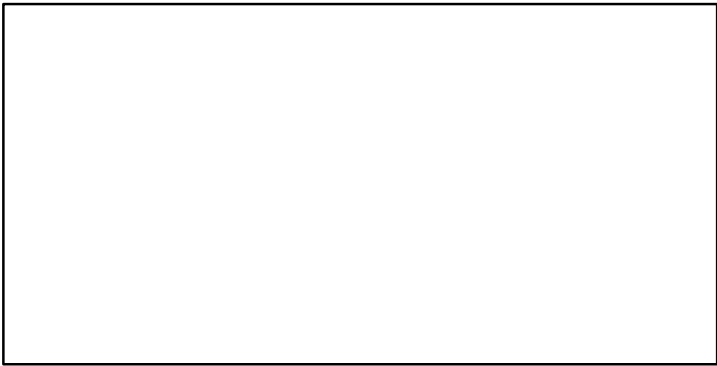
TB*



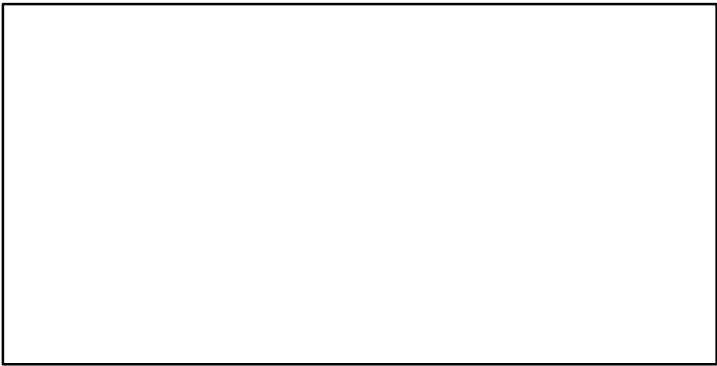
SSB*



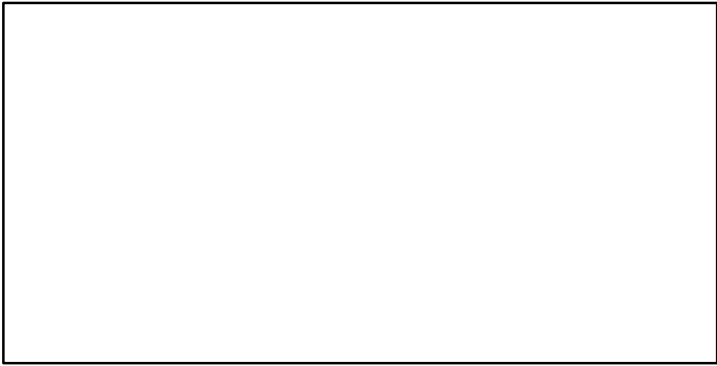
TN *



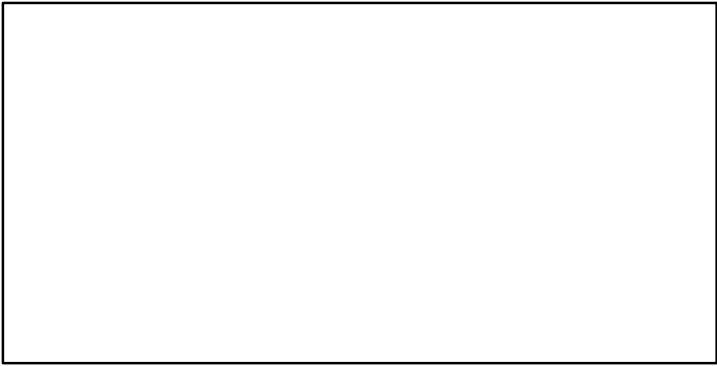
F*



ER*

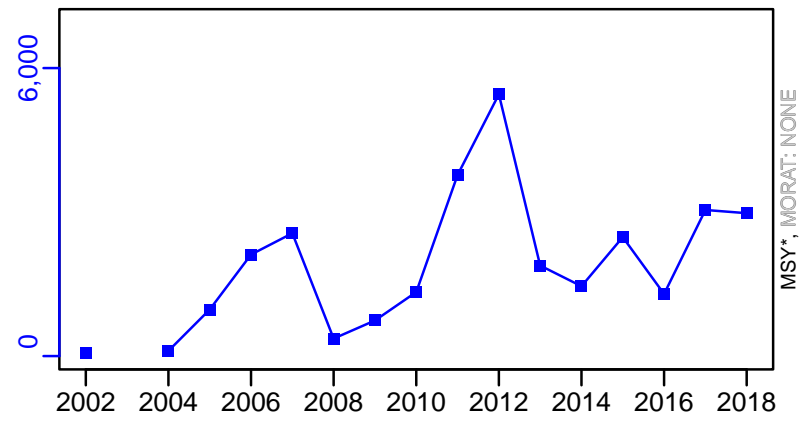


Recruits*



Aesop shrimp Shrimp Fishing Area 4 [STRSHRIMPSFA4]

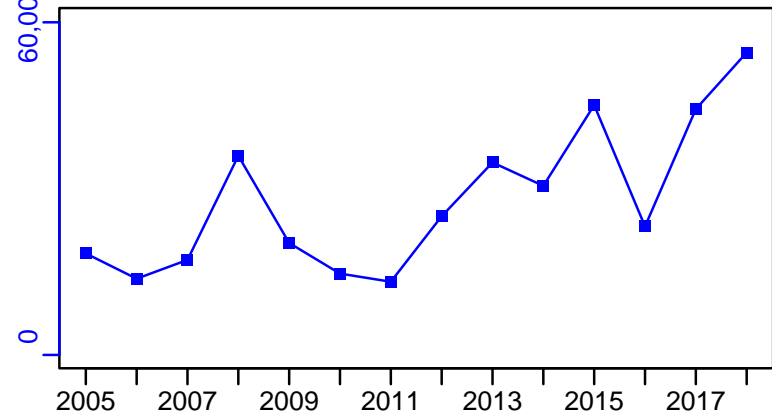
TL-MT, TC*, RecC* (2002-2018-ASHBROOK)



TAC*, Cpair*, Cadv*



survB-MT (2002-2018-ASHBROOK)



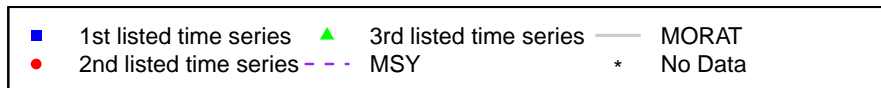
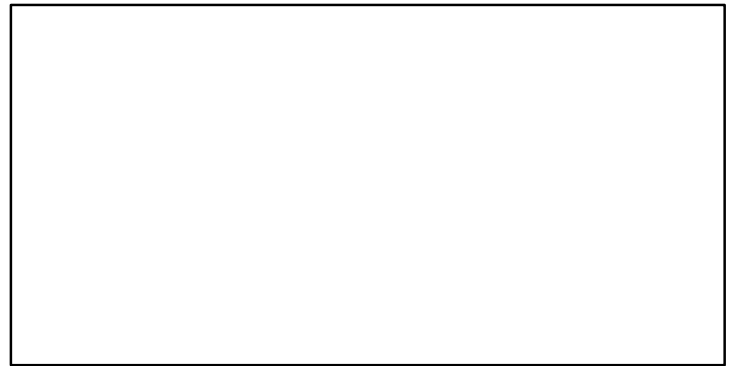
CPUE*



EFFORT*



CdivMSY*



White shrimp Gulf of Mexico [WSHRIMPGM]

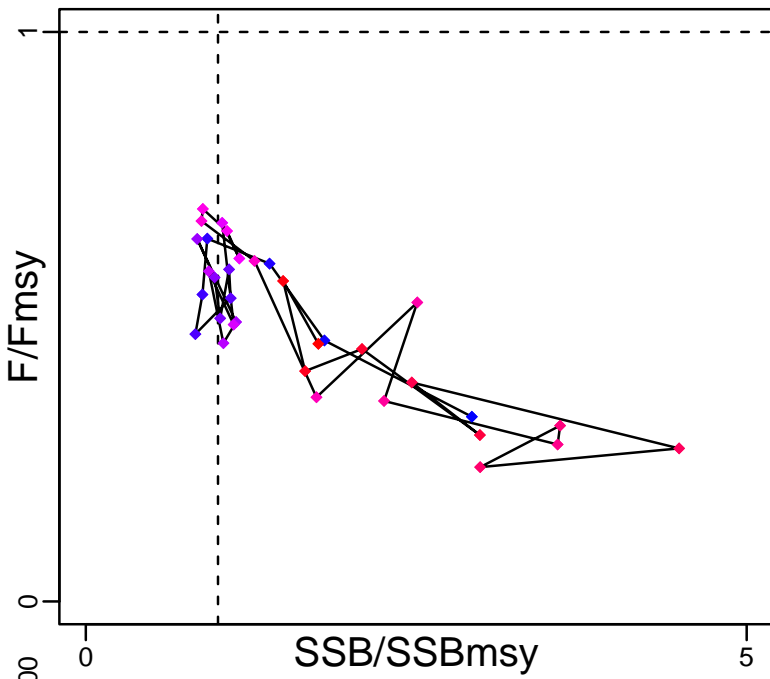
Metadata	
Scientific Name	Litopenaeus setiferus
Current Assess ID	SEFSC-WSHRIMPGM-1984-2017-SISIMP2021
Area	Gulf of Mexico
Management Authority	National Marine Fisheries Service, US national management
Assessor	Southeast Fisheries Science Center
Asmts in RAM	2011, 2014, 2015, 2017

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2017	165,879
Fmsy	Fmsy-1/yr	2017	3.48
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERMgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2015	165,879
Flim	-	-	-
ERlim	-	-	-

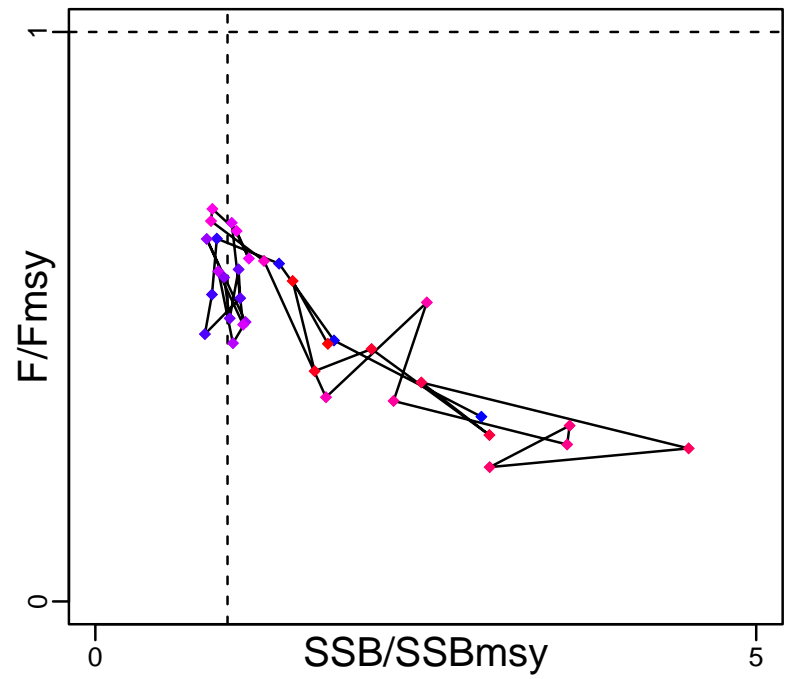
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2017	291,827	-	-
TN	-	-	-	-	-
R	R-E00	2017	16,275,764,420	-	-
F	F-1/yr	2017	1.574	-	-
ER	-	-	-	-	-
TC	TC-MT	2017	32,046		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2017	1.759		
F/Fmsy	F-1/yr/Fmsy-1/yr	2017	0.452		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERMgt	-	-	-		

White shrimp Gulf of Mexico [WSHRIMPGM]

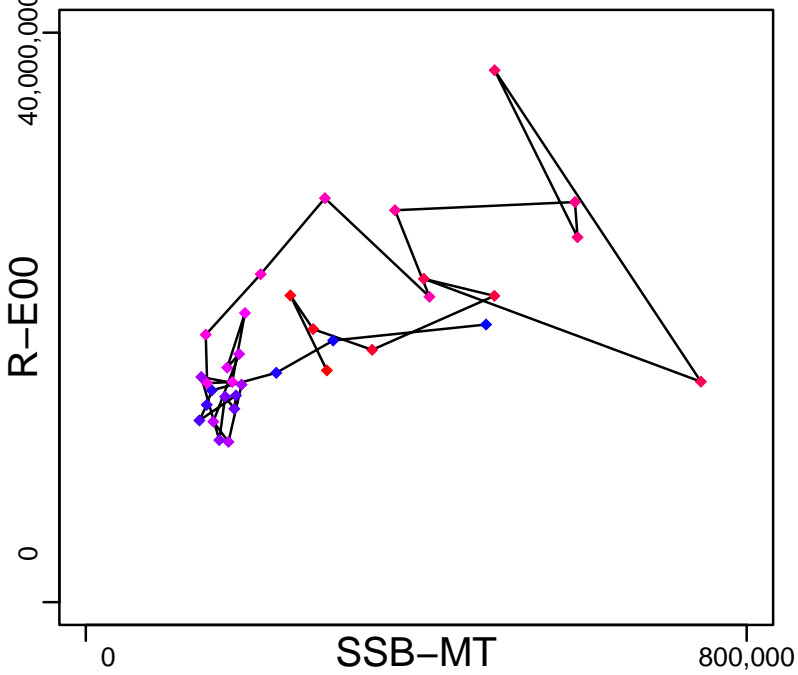
Kobe MSYpref (1984–2017–SISIMP2021)



Kobe MGTpref (1984–2017–SISIMP2021)



Spawner Recruit (1984–2017–SISIMP2021)



Production*



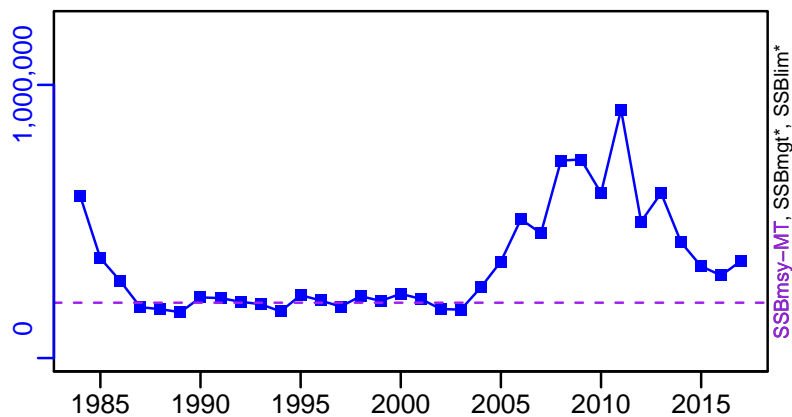
◆ Start Year ◆ End Year * No Data

White shrimp Gulf of Mexico [WSHRIMPGM]

TB*



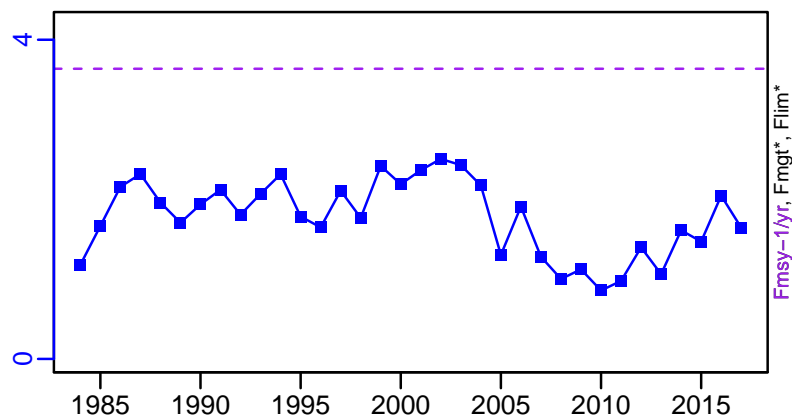
SSB-MT (1984-2017-SISIMP2021)



TN *



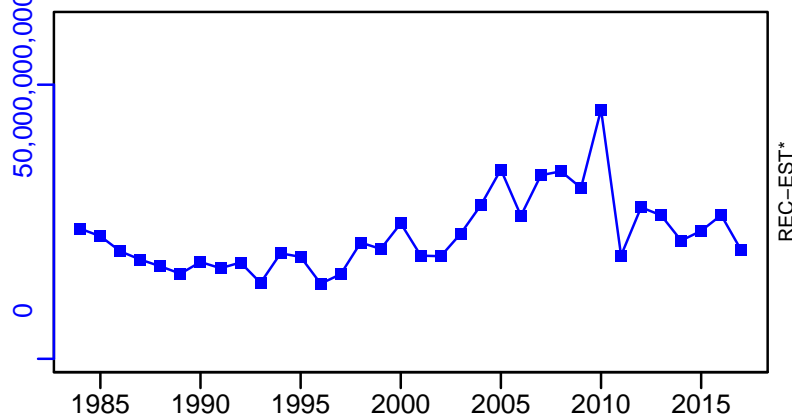
F-1/yr (1984-2017-SISIMP2021)



ER*

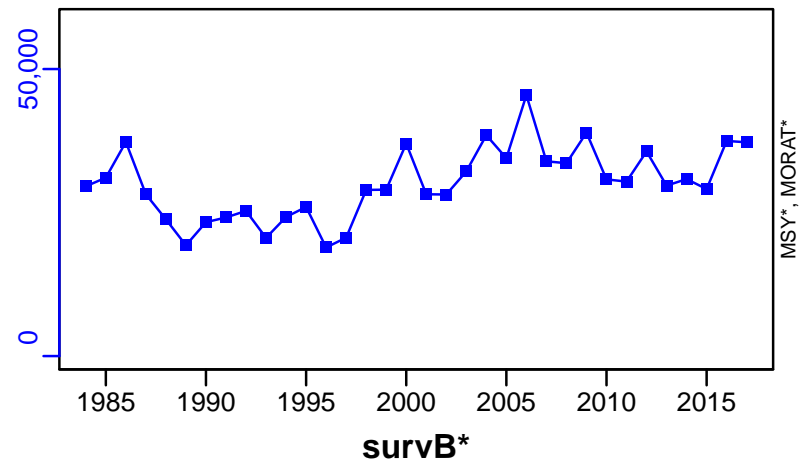


R-E00 (1984-2017-SISIMP2021)



White shrimp Gulf of Mexico [WSHRIMPGM]

TC-MT, TL*, RecC* (1984-2017-SISIMP2021)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



CdivMSY*

