

US Alaska Stocks

v4.25 (Dec-14-2017)

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2. Alaska skate Bering Sea and Aleutian Islands [ALSKABSAI]
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4. Arrowtooth flounder Gulf of Alaska [ARFLOUNDGA]
5. Atka mackerel Bering Sea and Aleutian Islands [ATKABSAI]
6. Atka mackerel Gulf of Alaska [ATKAGA]
7. Blue king crab Pribilof Islands [BKINGCRABPI]
8. Blue king crab Saint Matthews Island [BKINGCRABSMI]
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17. Pacific herring Sitka [HERRSITKA]
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20. Northern rockfish Bering Sea and Aleutian Islands [NROCKBSAI]
21. Northern rockfish Gulf of Alaska [NROCKGA]
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26. Pacific cod Gulf of Alaska [PCODGA]
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29. Pacific ocean perch Gulf of Alaska [POPERCHGA]
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34. Red king crab Norton Sound [RKCRA BNS]
35. Red king crab Pribilof Islands [RKCRA BPI]
36. Rock sole Gulf of Alaska [RSOLEGA]
37. Sablefish Eastern Bering Sea / Aleutian Islands / Gulf of Alaska [SABLEFEBSAIGA]
38. Snow crab Bering Sea [SNOWCRABBS]
39. Shortraker rockfish Bering Sea and Aleutian Islands [SRAKEROCKBSAI]
40. Shortraker rockfish Gulf of Alaska [SRAKEROCKGA]
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42. Tanner crab Bering Sea and Aleutian Islands [TANNERCRABBSAI]
43. Walleye pollock Aleutian Islands [WPOLLAI]
44. Walleye pollock Bogoslof [WPOLLBOGO]
45. Walleye pollock Central Western Gulf of Alaska [WPOLLCWGA]
46. Walleye pollock Eastern Bering Sea [WPOLLEBS]
47. Walleye pollock Gulf of Alaska [WPOLLGA]
48. Weathervane scallop Alaska [WVSCALLALASKA]
49. Yelloweye rockfish Gulf of Alaska [YEYEROCKGA]
50. Yellowfin sole Bering Sea and Aleutian Islands [YSOLEBSAI]

Alaska plaice Bering Sea and Aleutian Islands [ALPLAICBSAI]

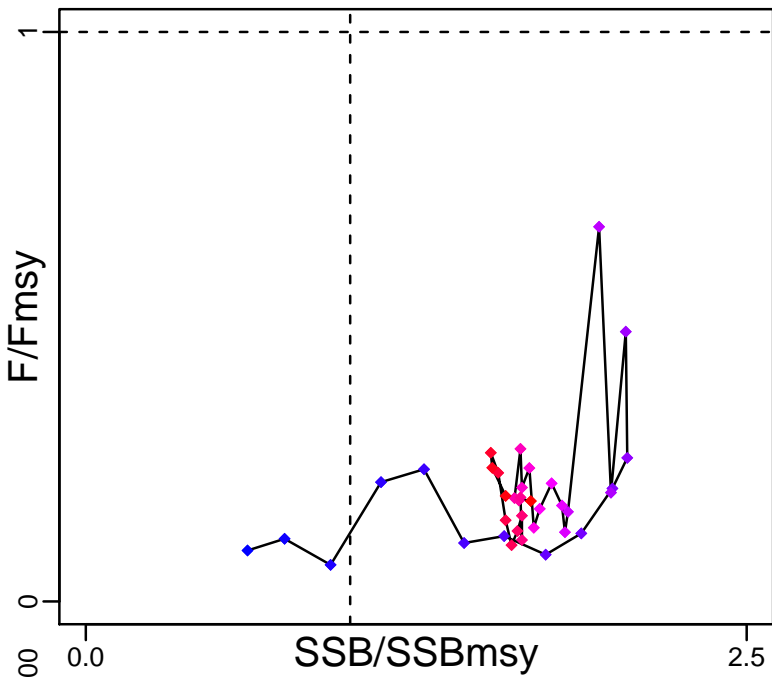
Metadata	
Scientific Name	Pleuronectes quadrituberculatus
Current Assess ID	AFSC-ALPLAICBSAI-1975-2015-SISIMP2016
Area	Bering Sea and Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2010, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	115,087
Fmsy	Fmsy-pr-1/yr	2010	0.19
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.25
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

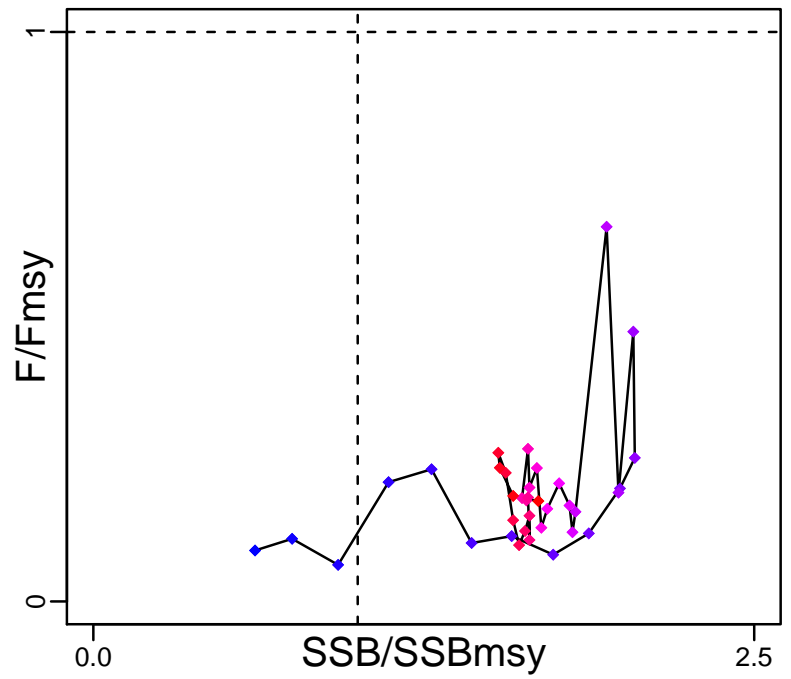
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	485,000	Both	1+
SSB	SSB-MT	2015	215,000	Females	9+
TN	-	-	-	-	-
R	R-E00	2015	3.05×10^{11}	-	1
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	19,400		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.87		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2010	0.18		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Alaska plaice Bering Sea and Aleutian Islands [ALPLAICBSAI]

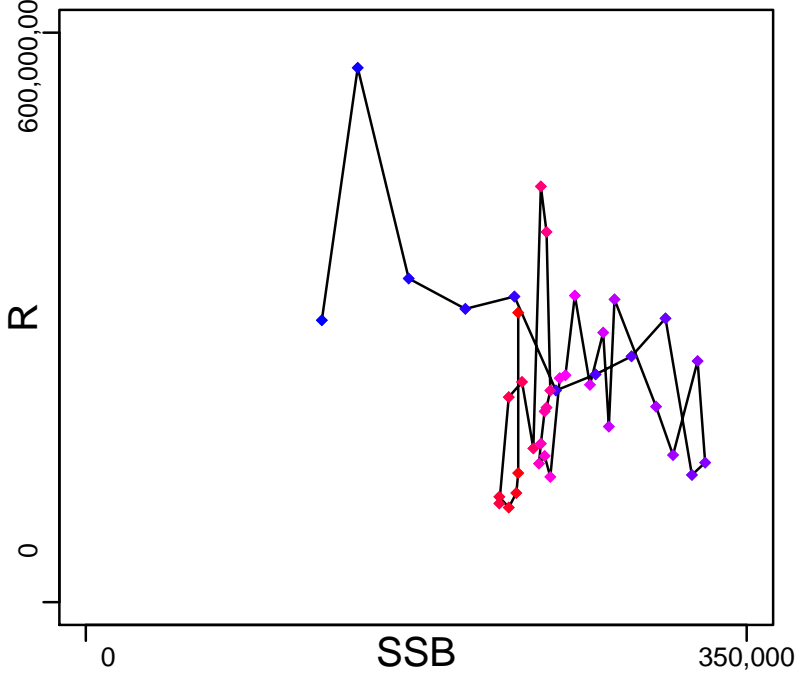
Kobe MSYpref (1972–2010–STACHURA)



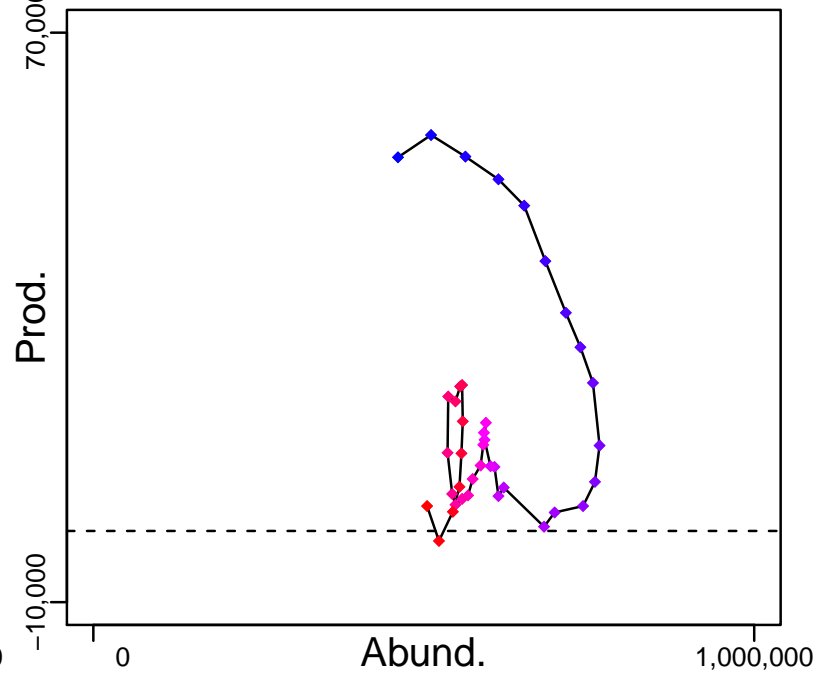
Kobe MGTpref (1972–2010–STACHURA)



Spawner Recruit (1975–2015–SISIMP2016)



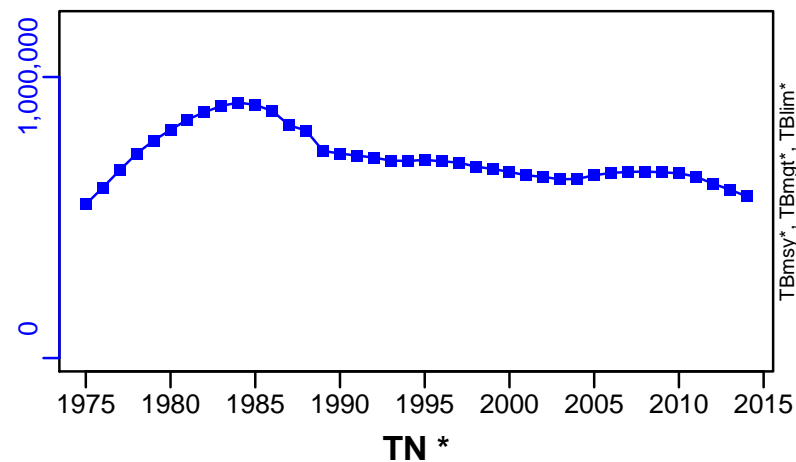
Production (1975–2015–SISIMP2016)



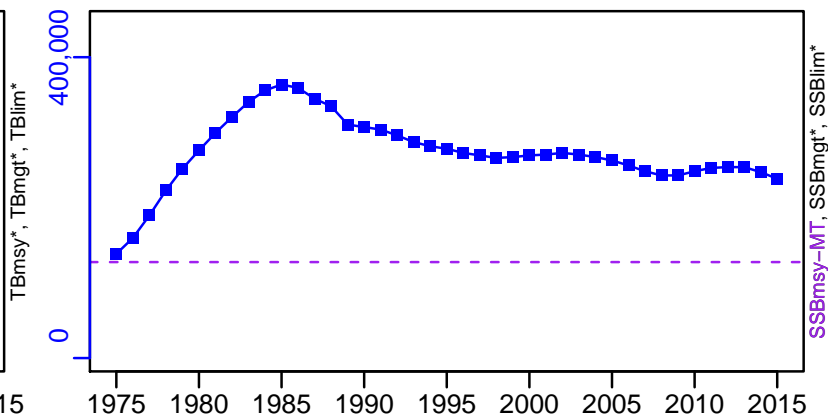
◆ Start Year ◆ End Year * No Data

Alaska plaice Bering Sea and Aleutian Islands [ALPLAICBSAI]

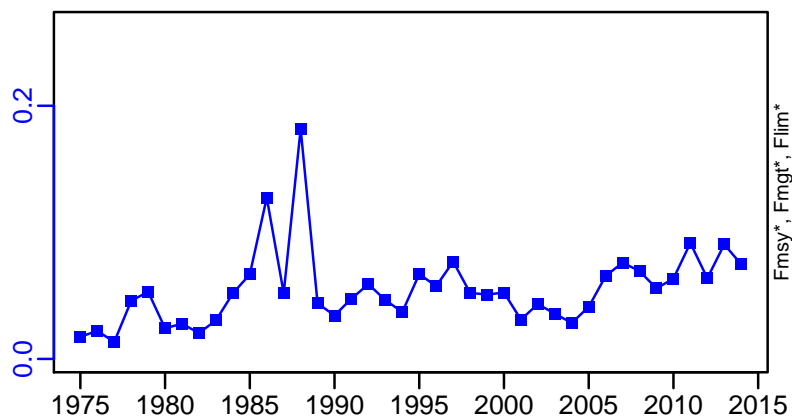
TB-MT (1975–2015–SISIMP2016)



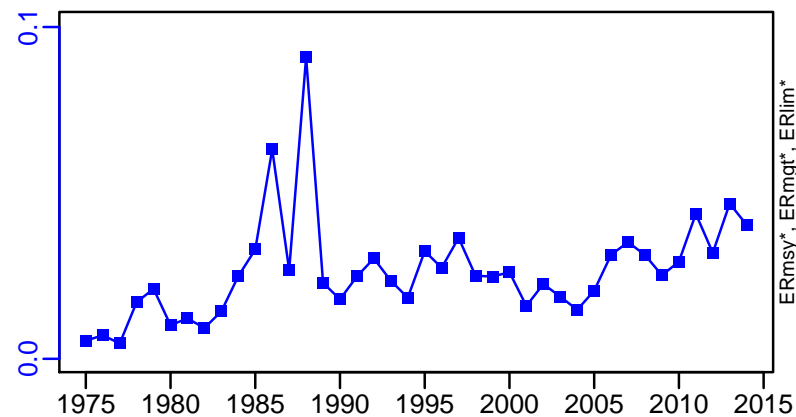
SSB-MT (1975–2015–SISIMP2016)



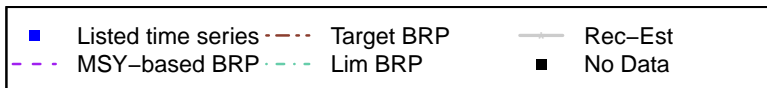
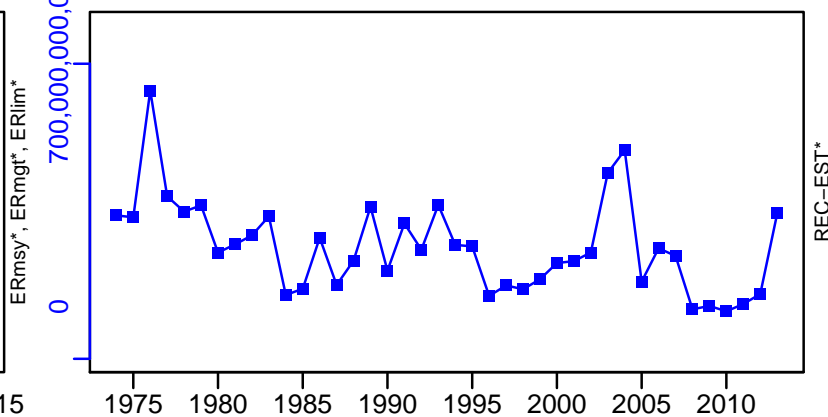
F-1/yr (1975–2015–SISIMP2016)



ER-calc-ratio (1975–2015–SISIMP2016)

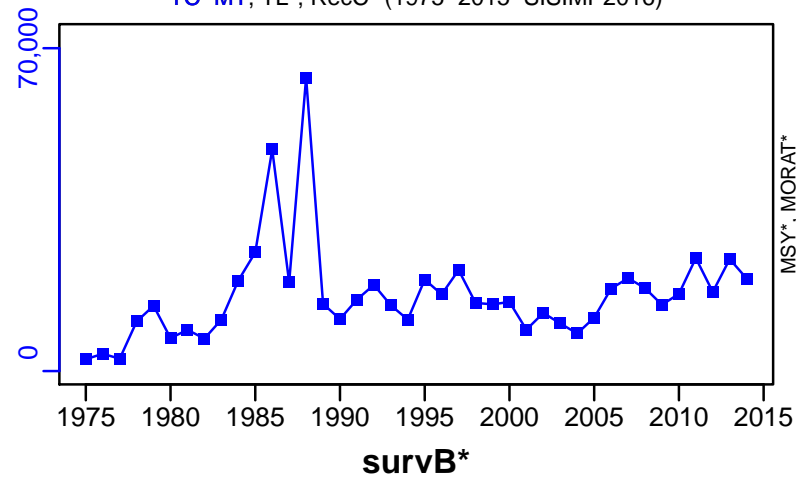


R-E00 (1975–2015–SISIMP2016)



Alaska plaice Bering Sea and Aleutian Islands [ALPLAICBSAI]

TC-MT, TL*, RecC* (1975-2015-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Alaska skate Bering Sea and Aleutian Islands [ALSKABSAI]

Metadata	
Scientific Name	Bathyraja parmifera
Current Assess ID	AFSC-ALSKABSAI-1950-2015-SISIMP2016
Area	Bering Sea and Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	65,423
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	2015	519,000	Both	0+
SSB	SSB-MT	2015	115,000	Females	10+
TN	-	-	-	-	-
R	R-E00	2015	26,600,000	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	24,800		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.76		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Alaska skate Bering Sea and Aleutian Islands [ALSKABSAI]

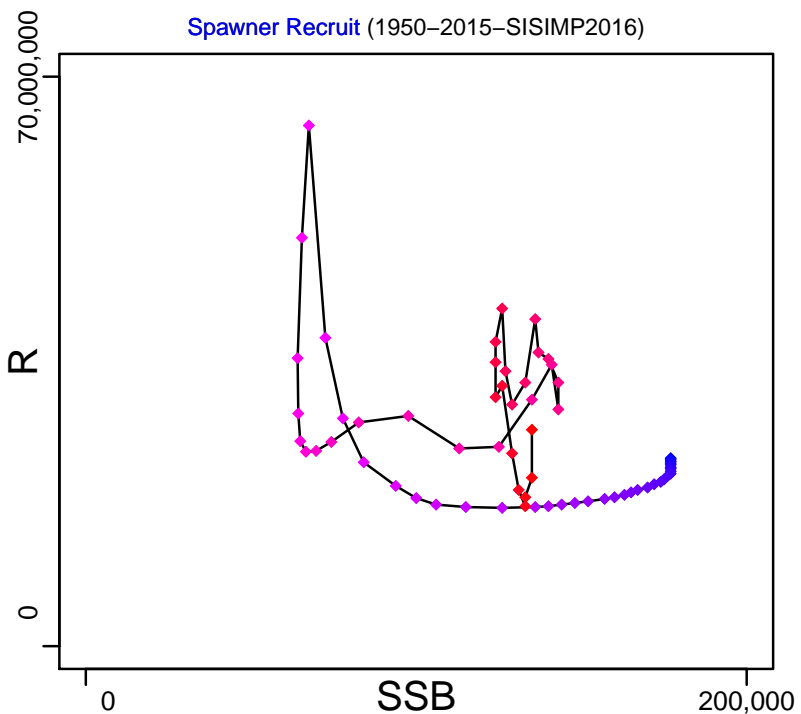
Kobe MSY*



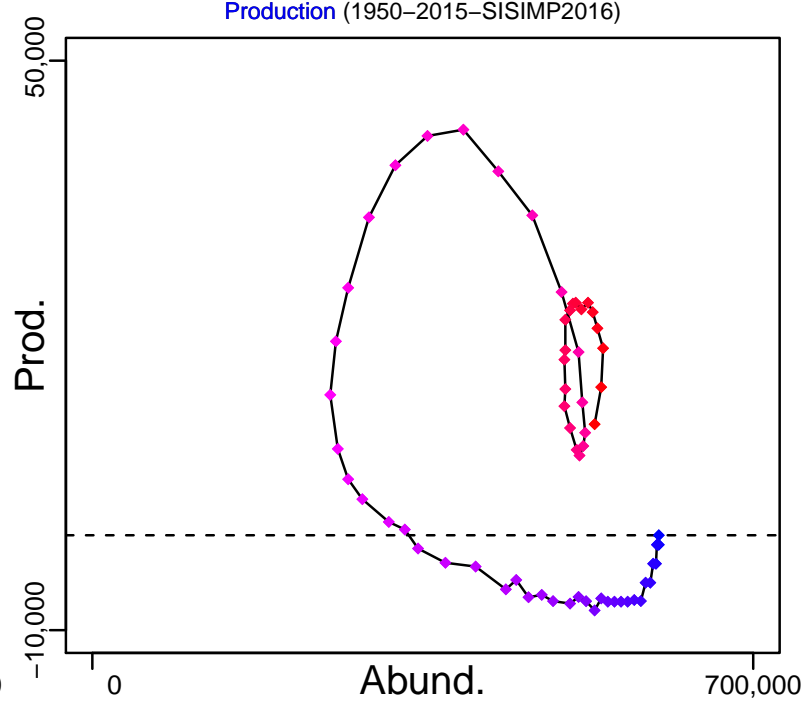
Kobe MGT*



Spawner Recruit (1950–2015–SISIMP2016)



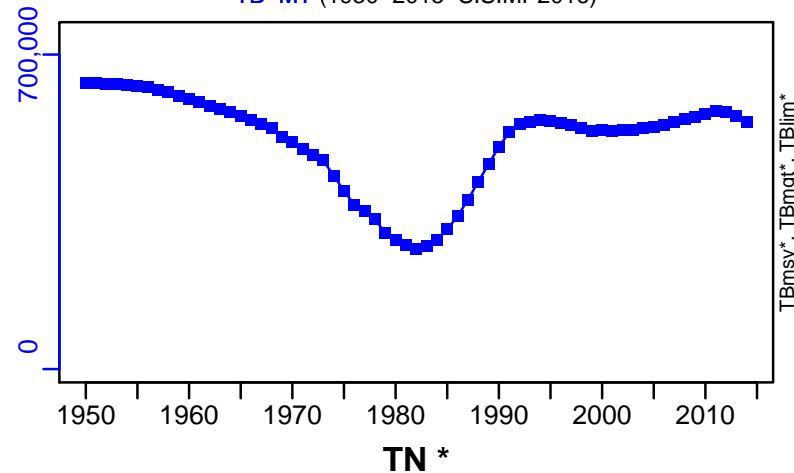
Production (1950–2015–SISIMP2016)



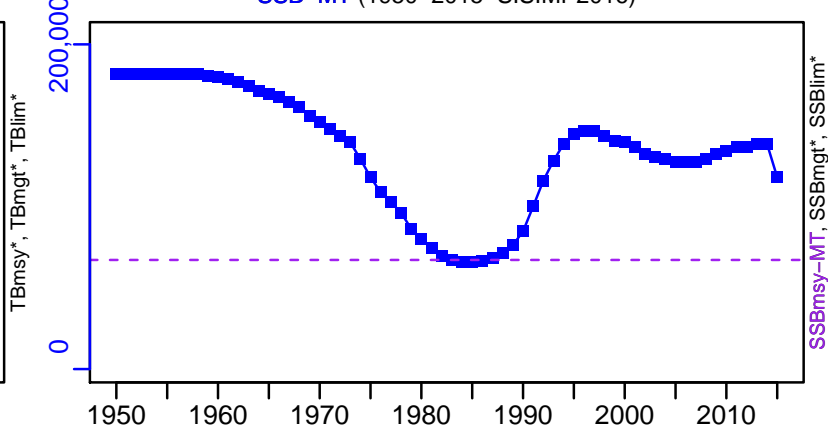
◆ Start Year ◆ End Year * No Data

Alaska skate Bering Sea and Aleutian Islands [ALSKABSAI]

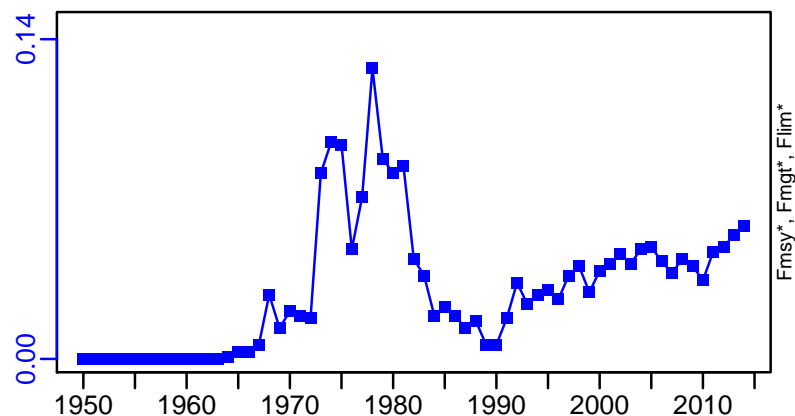
TB-MT (1950–2015–SISIMP2016)



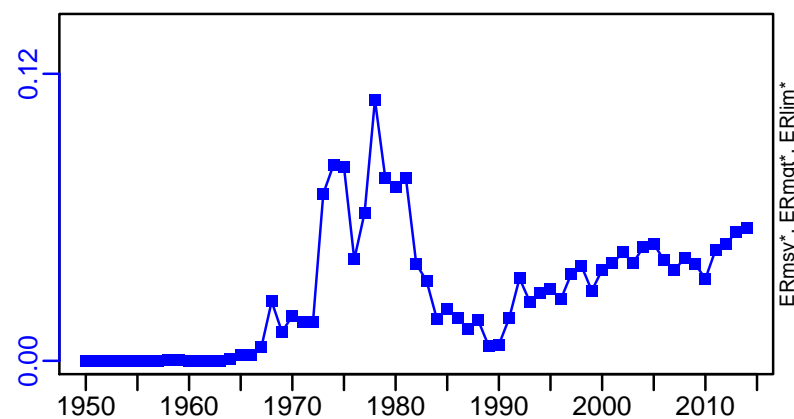
SSB-MT (1950–2015–SISIMP2016)



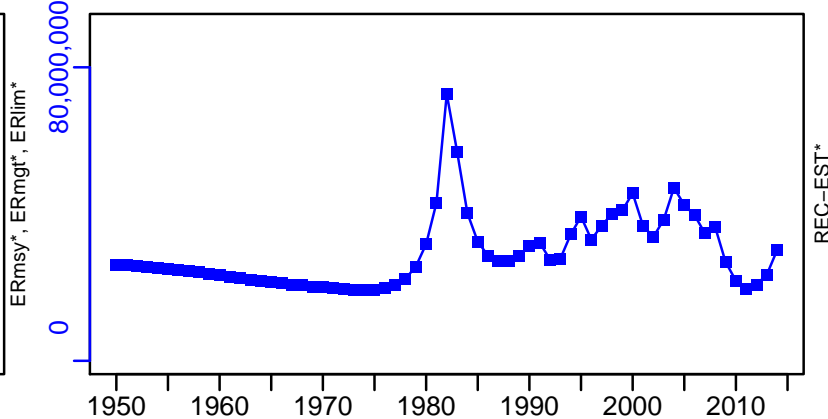
F-1/yr (1950–2015–SISIMP2016)



ER-calc-ratio (1950–2015–SISIMP2016)



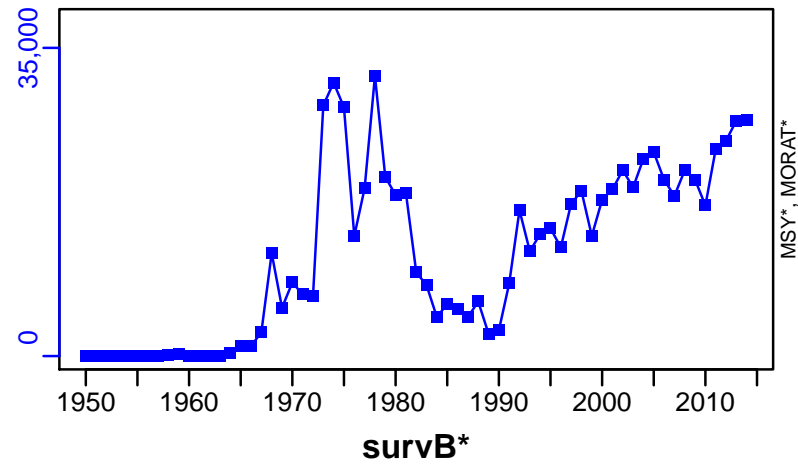
R-E00 (1950–2015–SISIMP2016)



Alaska skate Bering Sea and Aleutian Islands [ALSKABSAI]

TC-MT, TL*, RecC* (1950-2015-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Arrowtooth flounder Bering Sea and Aleutian Islands [ARFLOUNDBSAI]

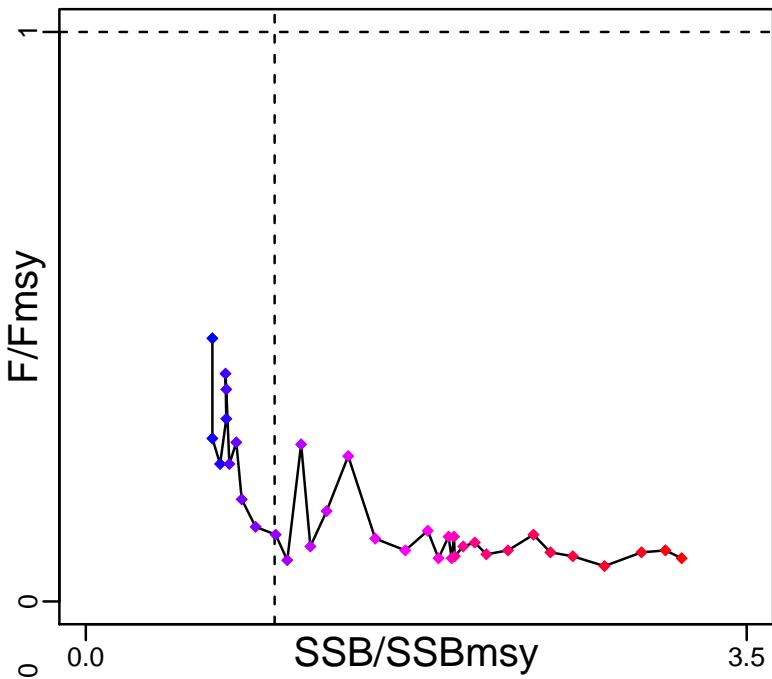
Metadata	
Scientific Name	Atheresthes stomias
Current Assess ID	AFSC-ARFLOUNDBSAI-1976-2015-SISIMP2016
Area	Bering Sea and Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2010, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	194,266
Fmsy	Fmsy-pr-1/yr	2010	0.29
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	Flim-1/yr	2010	0.29
ERlim	-	-	-

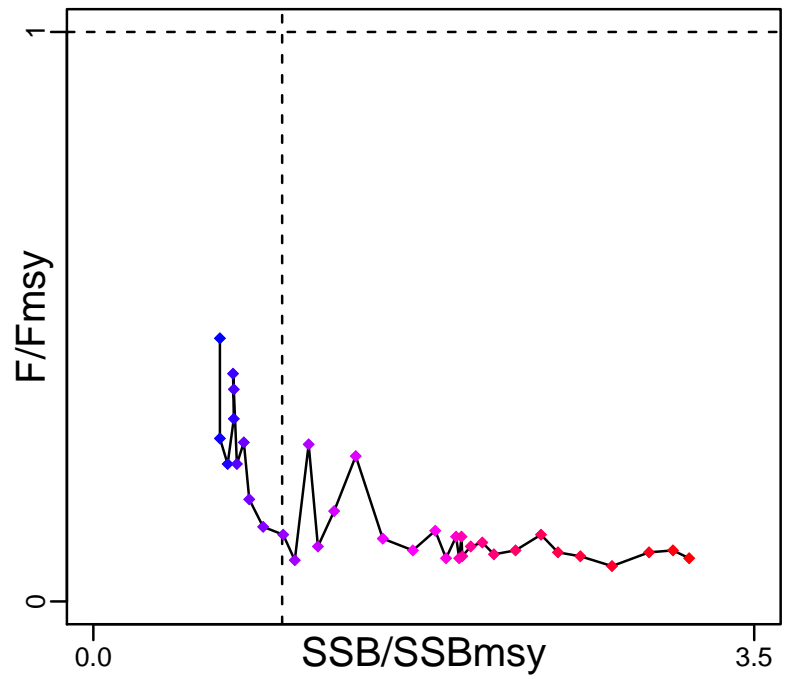
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	908,000	Both	1+
SSB	SSB-MT	2015	534,000	Females	7+
TN	-	-	-	-	-
R	R-E00	2015	8.18×10^8	-	1
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	19,100		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	2.75		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2010	0.08		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Arrowtooth flounder Bering Sea and Aleutian Islands [ARFLOUNDBSAI]

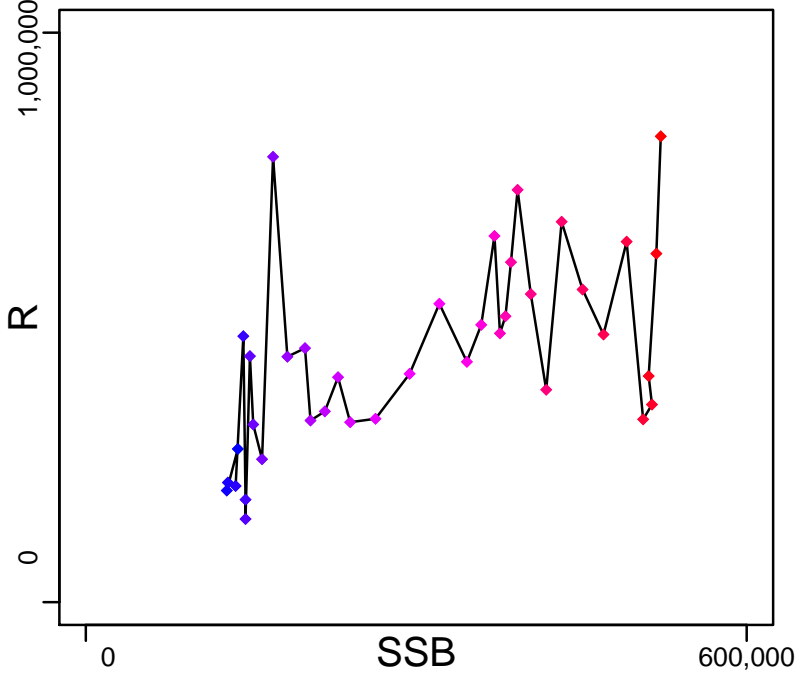
Kobe MSYpref (1970–2010–STACHURA)



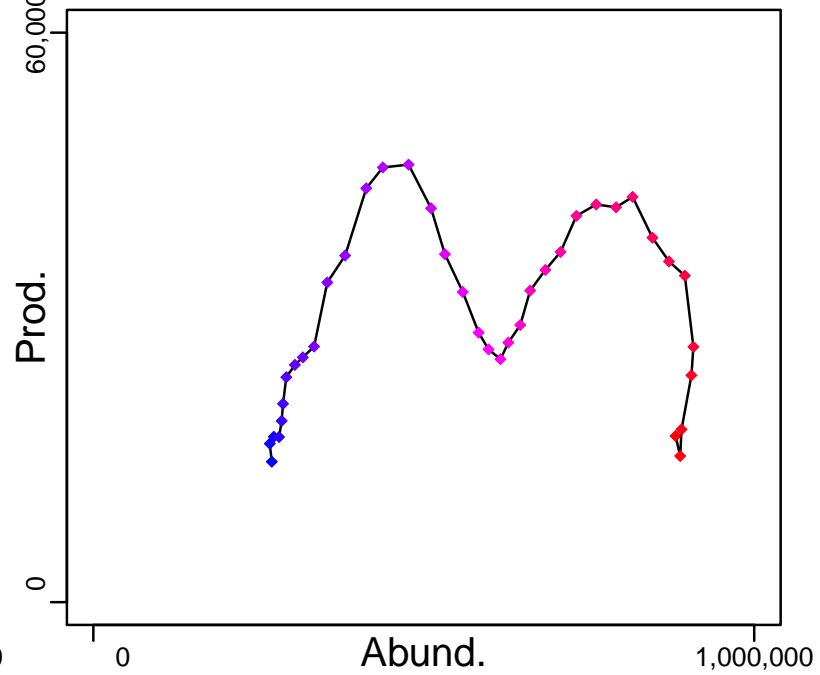
Kobe MGTpref (1970–2010–STACHURA)



Spawner Recruit (1976–2015–SISIMP2016)



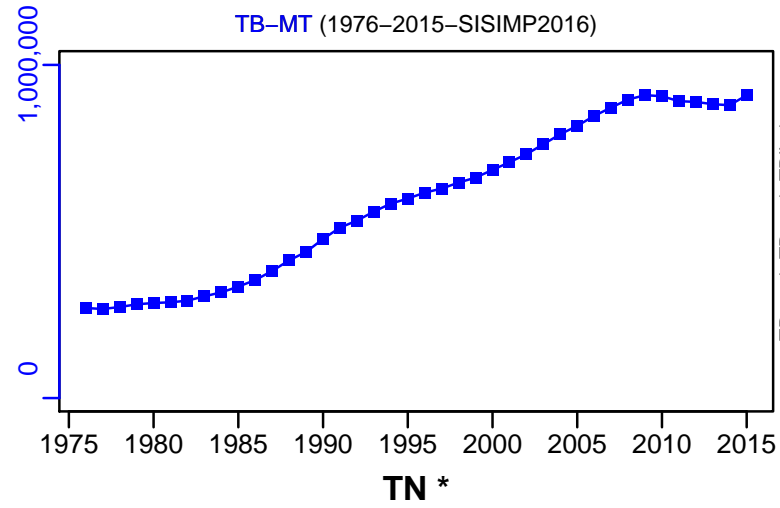
Production (1976–2015–SISIMP2016)



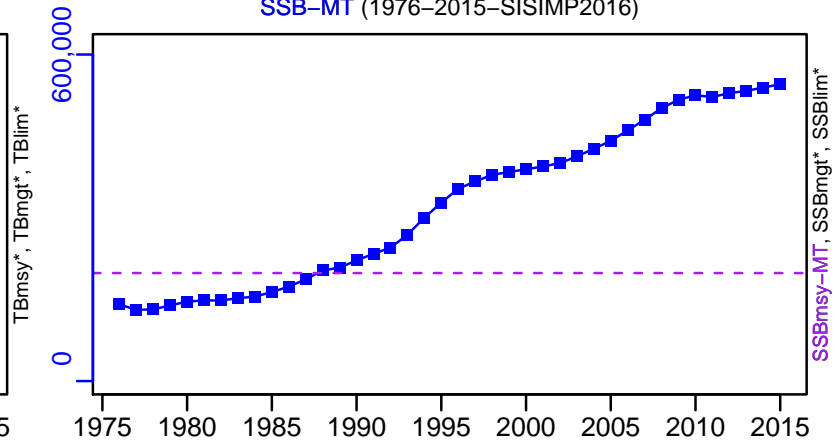
◆ Start Year ◆ End Year * No Data

Arrowtooth flounder Bering Sea and Aleutian Islands [ARFLOUNDBSAI]

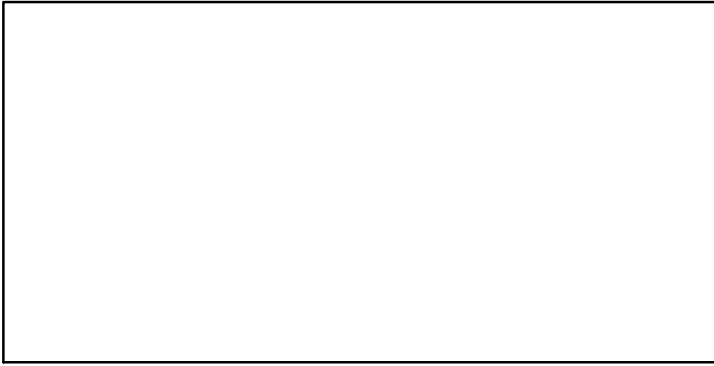
TB-MT (1976–2015–SISIMP2016)



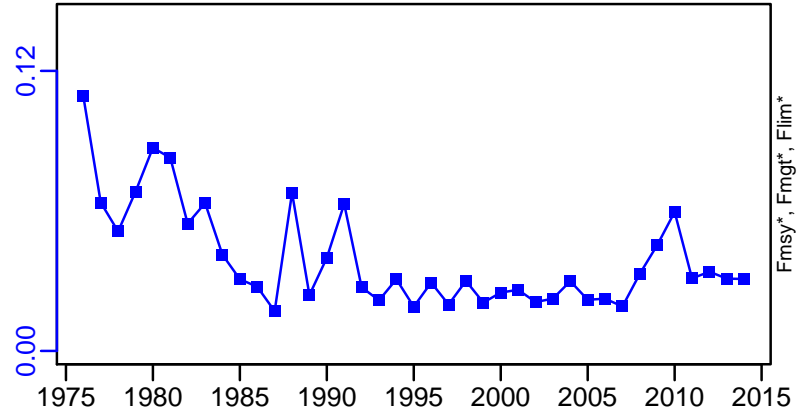
SSB-MT (1976–2015–SISIMP2016)



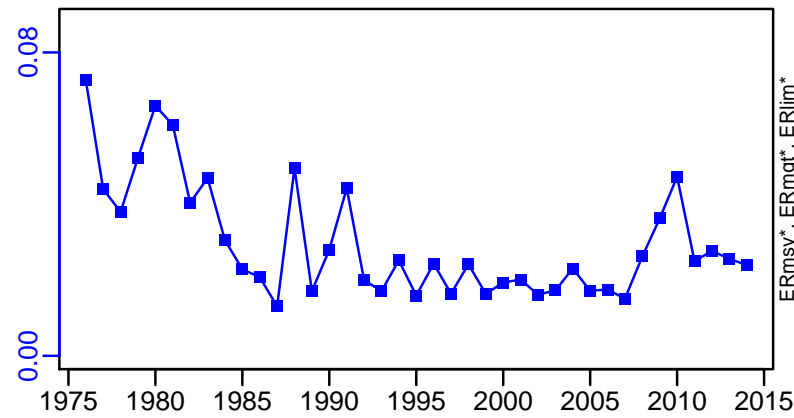
TN *



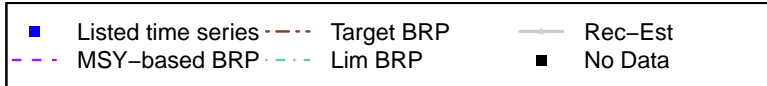
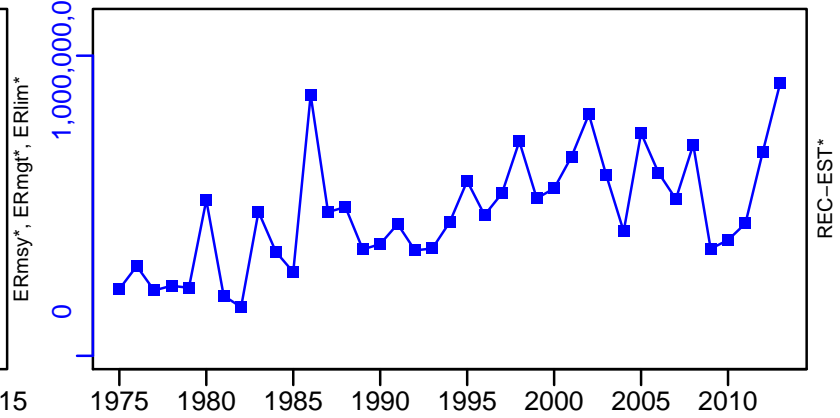
F-1/yr (1976–2015–SISIMP2016)



ER-calc-ratio (1976–2015–SISIMP2016)



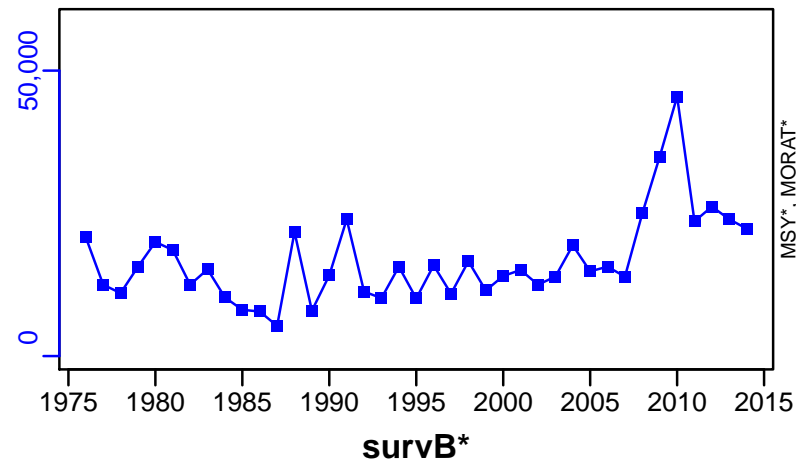
R-E00 (1976–2015–SISIMP2016)



Arrowtooth flounder Bering Sea and Aleutian Islands [ARFLOUNDBSAI]

TC-MT, TL*, RecC* (1976-2015-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Arrowtooth flounder Gulf of Alaska [ARFLOUNDGA]

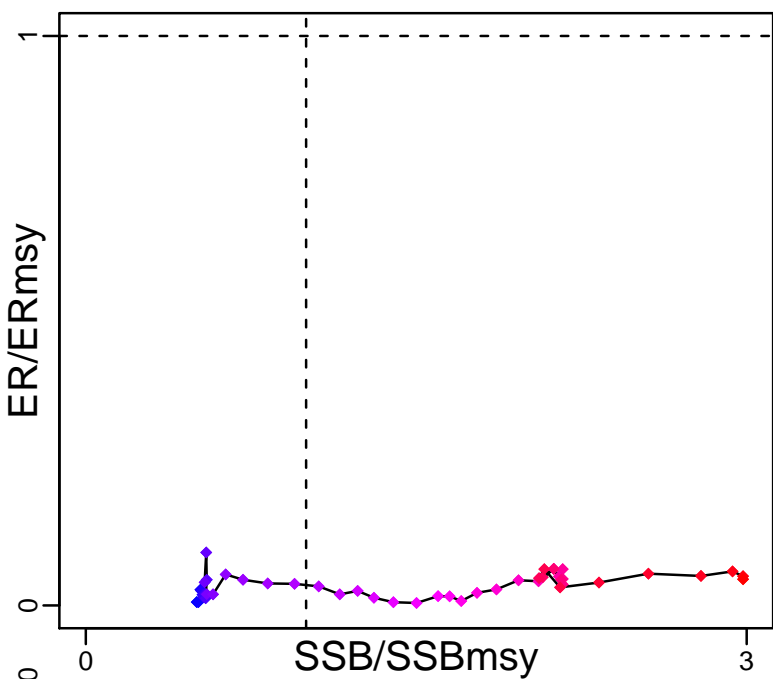
Metadata	
Scientific Name	Atheresthes stomias
Current Assess ID	AFSC-ARFLOUNDGA-1961-2015-SISIMP2016
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2010, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	347,295
Fmsy	Fmsy-pr-1/yr	2010	0.22
ERmsy	ERmsy-ratio	2010	0.23
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2010	254,271
M	M-1/yr	2010	0.2
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

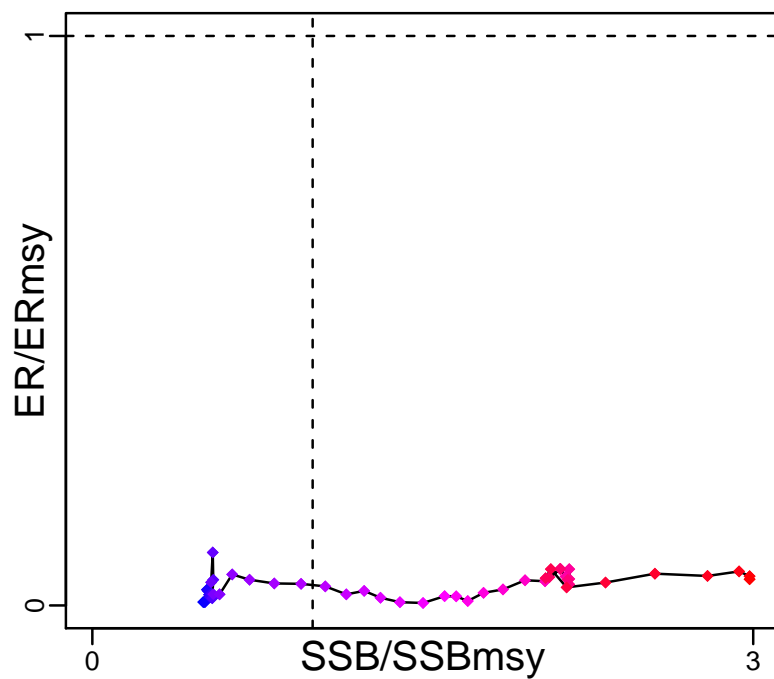
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	2,090,000	-	1+
SSB	SSB-MT	2015	1,130,000	Females	-
TN	-	-	-	-	-
R	R-E00	2015	4.36×10^8	-	1
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	36,300		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	3.26		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2010	0.08		
ER/ERmsy	ER-ratio/ERmsy-ratio	2010	0.05		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Arrowtooth flounder Gulf of Alaska [ARFLOUNDGA]

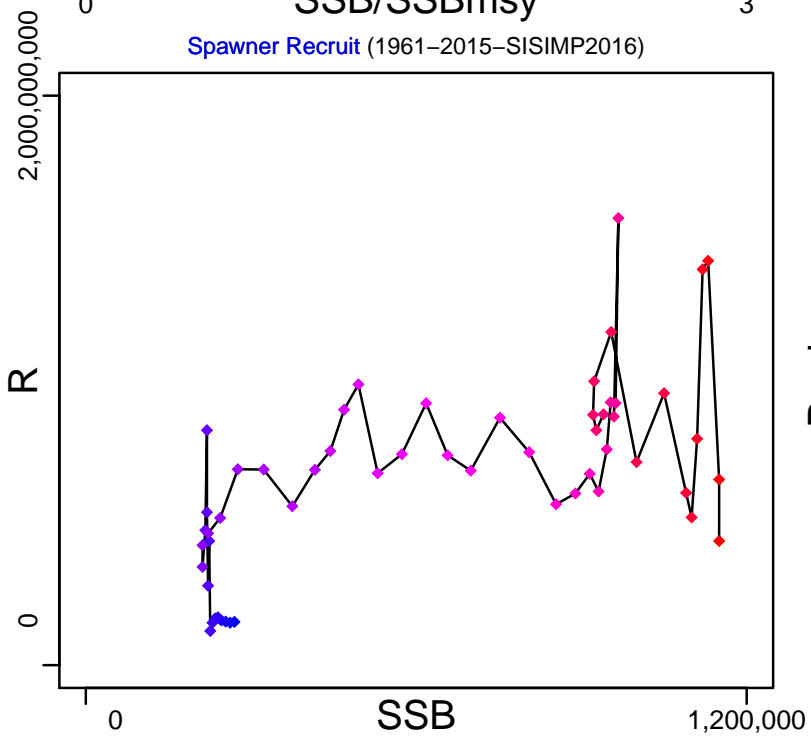
Kobe MSYpref (1958–2010–STACHURA)



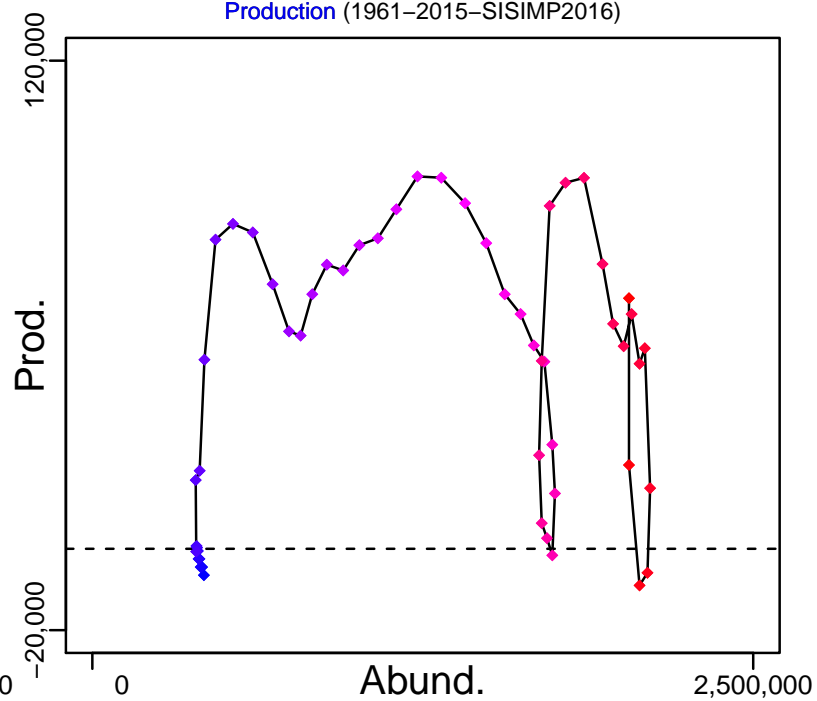
Kobe MGTpref (1958–2010–STACHURA)



Spawner Recruit (1961–2015–SISIMP2016)



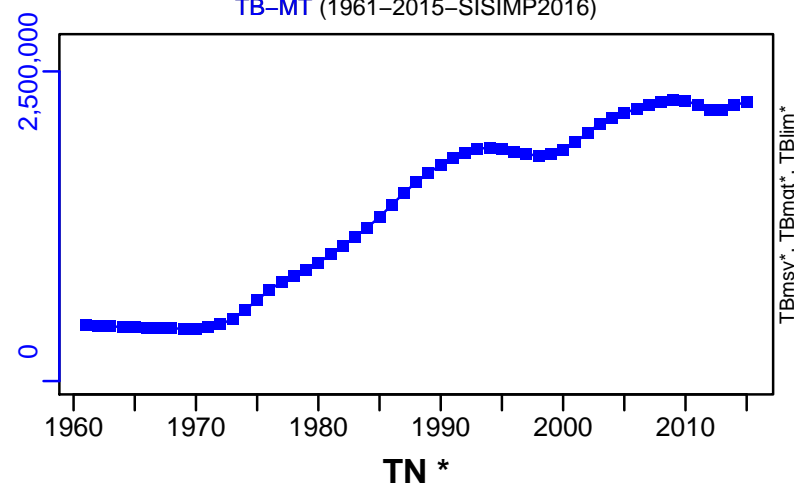
Production (1961–2015–SISIMP2016)



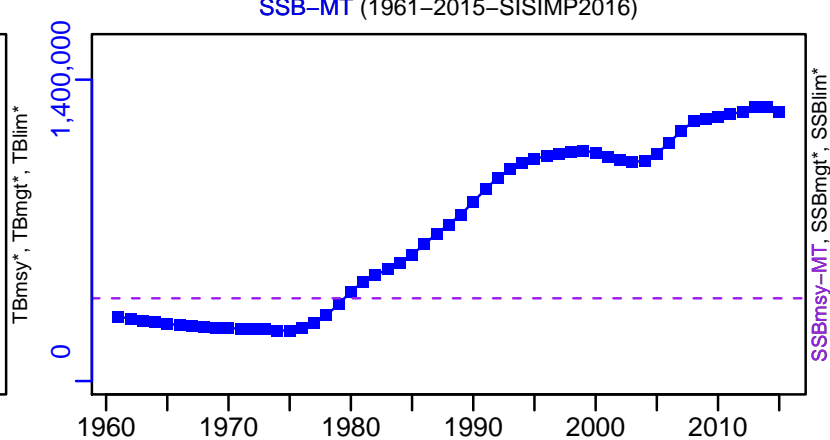
◆ Start Year ◆ End Year * No Data

Arrowtooth flounder Gulf of Alaska [ARFLOUNDGA]

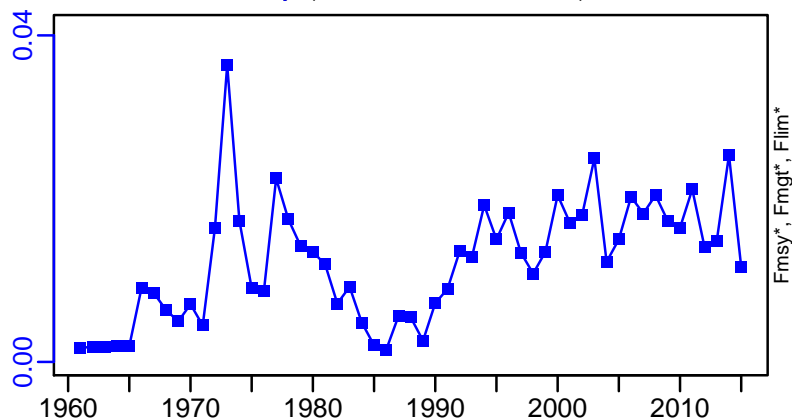
TB-MT (1961-2015-SISIMP2016)



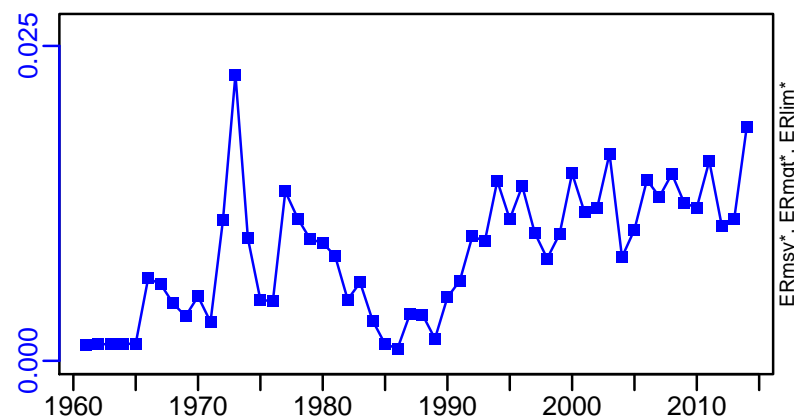
SSB-MT (1961-2015-SISIMP2016)



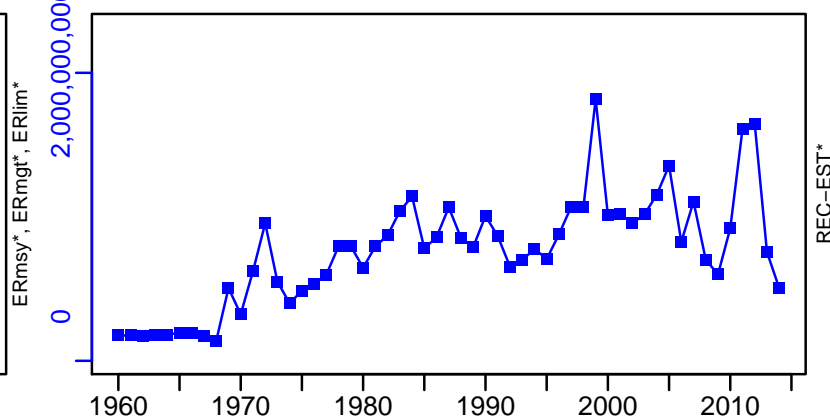
F-1/yr (1961-2015-SISIMP2016)



ER-calc-ratio (1961-2015-SISIMP2016)



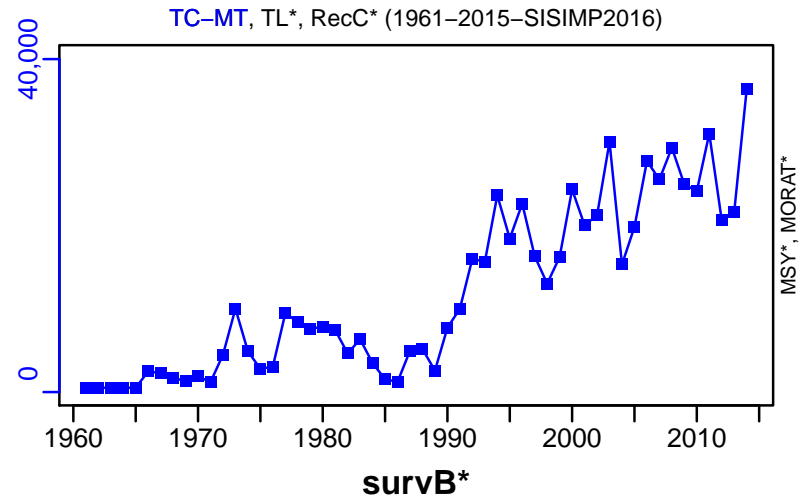
R-E00 (1961-2015-SISIMP2016)



Arrowtooth flounder Gulf of Alaska [ARFLOUNDGA]

TC-MT, TL*, RecC* (1961-2015-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Atka mackerel Bering Sea and Aleutian Islands [ATKABSAI]

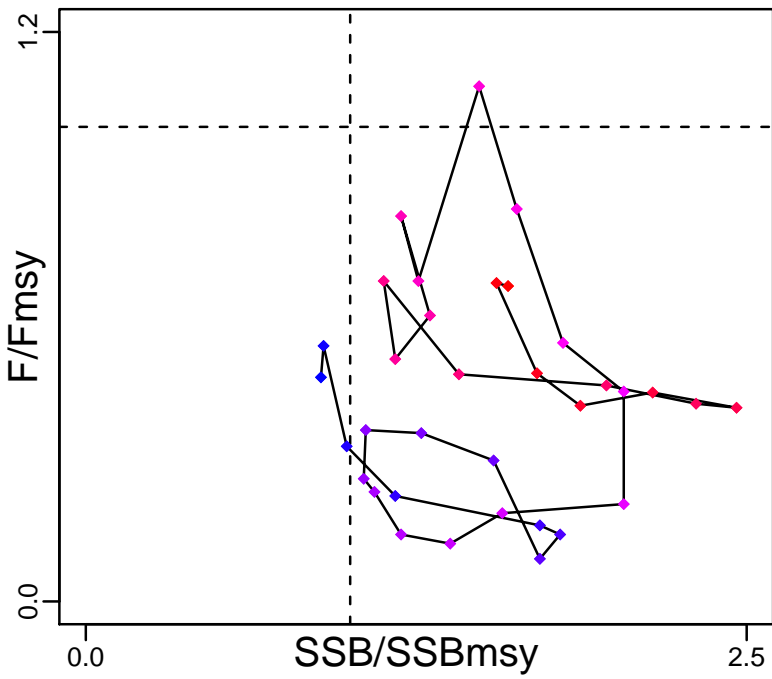
Metadata	
Scientific Name	Pleurogrammus monopterygius
Current Assess ID	AFSC-ATKABSAI-1977-2015-SISIMP2016
Area	Bering Sea and Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2011, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	118,697
Fmsy	Fmsy-pr-1/yr	2011	0.47
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.3
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

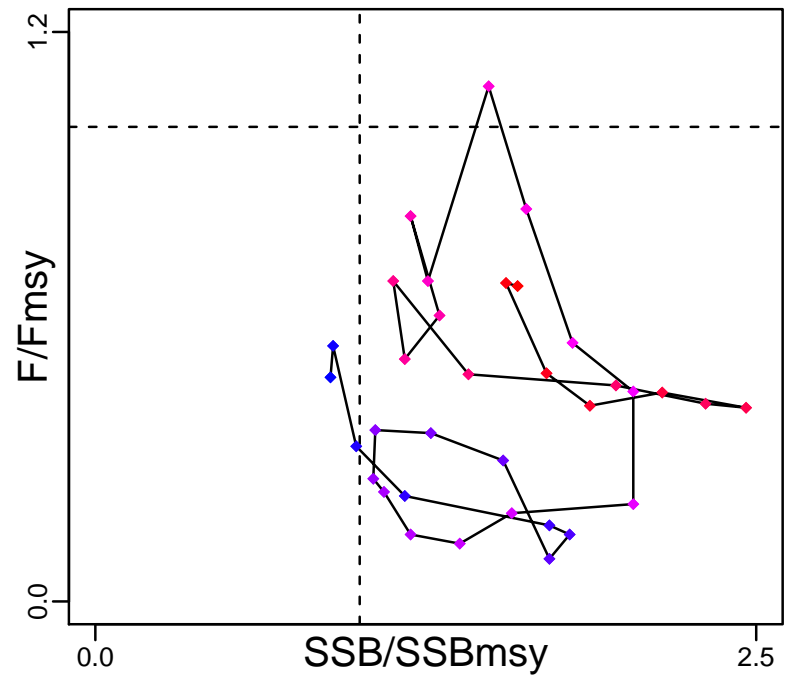
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	589,000	-	1+
SSB	SSB-MT	2015	177,000	Females	3.6+
TN	-	-	-	-	-
R	R-E00	2015	507,000	-	1
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	30,900		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.49		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2011	0.66		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Atka mackerel Bering Sea and Aleutian Islands [ATKABSAI]

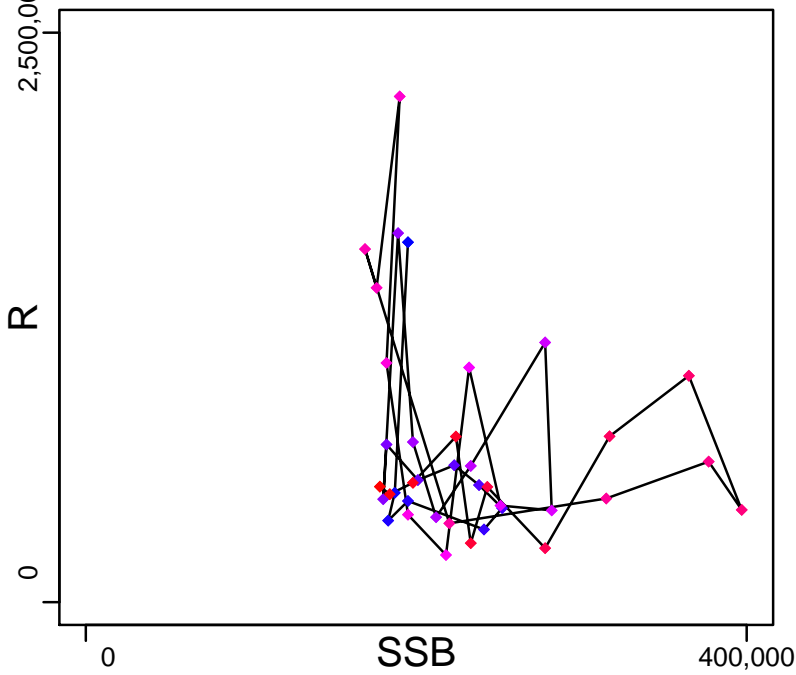
Kobe MSYpref (1976–2011–STACHURA)



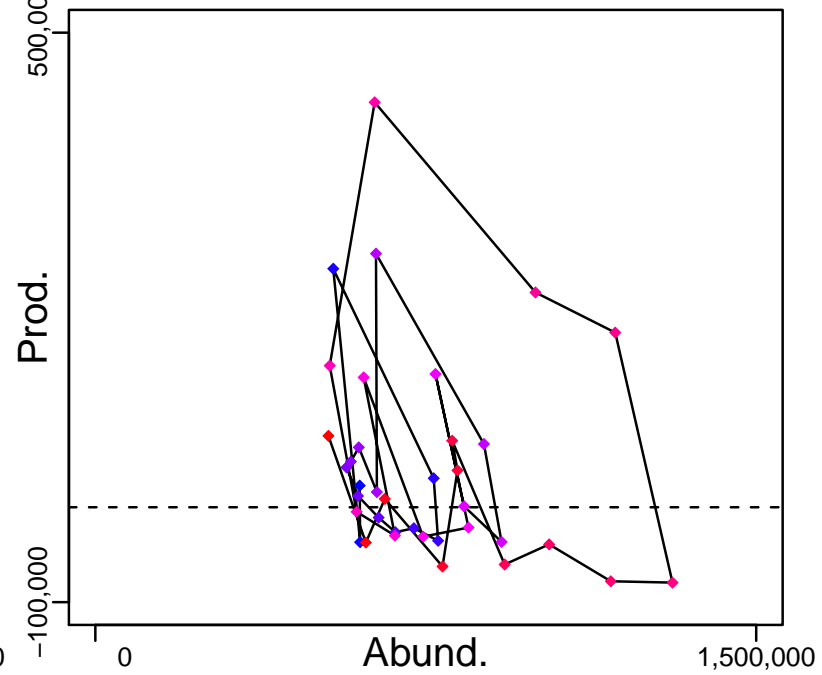
Kobe MGTpref (1976–2011–STACHURA)



Spawner Recruit (1977–2015–SISIMP2016)

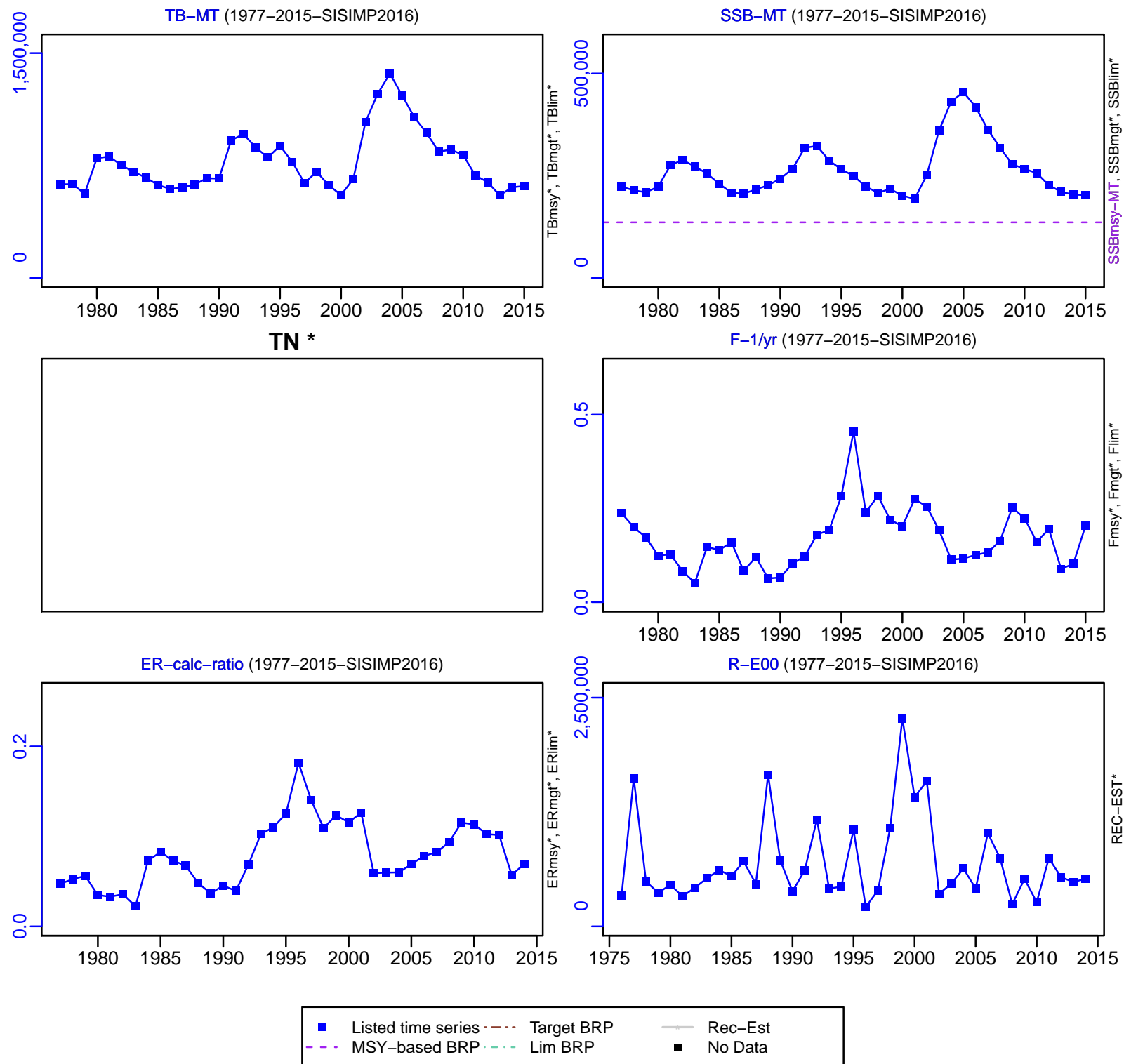


Production (1977–2015–SISIMP2016)



◆ Start Year ◆ End Year * No Data

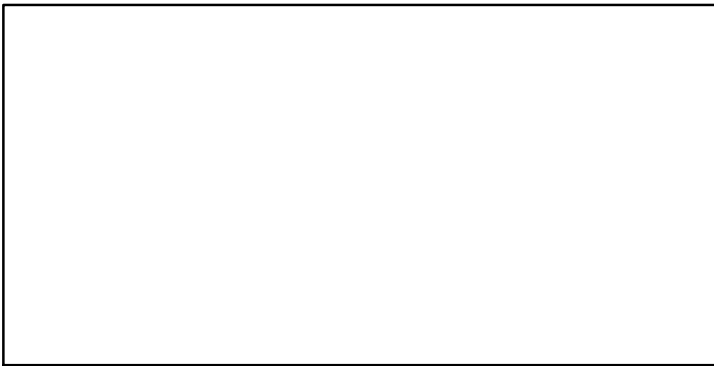
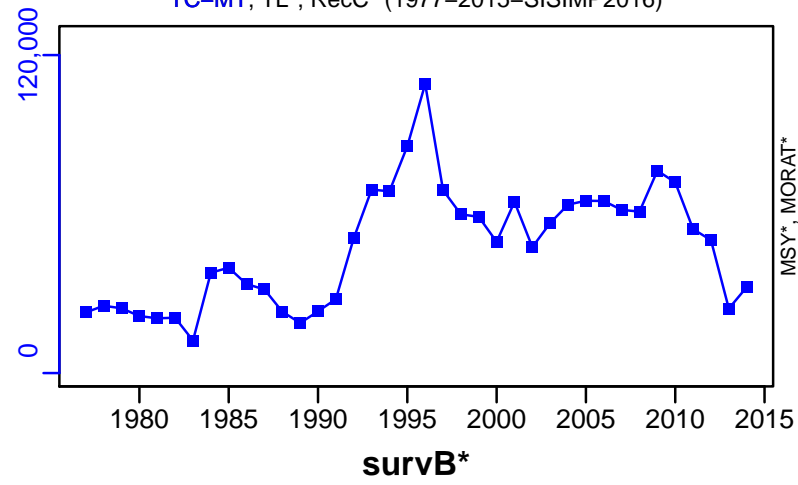
Atka mackerel Bering Sea and Aleutian Islands [ATKABSAI]



Atka mackerel Bering Sea and Aleutian Islands [ATKABSAI]

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

TAC*, Cpair*, Cadv*



EFFORT*



Atka mackerel Gulf of Alaska [ATKAGA]

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

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

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

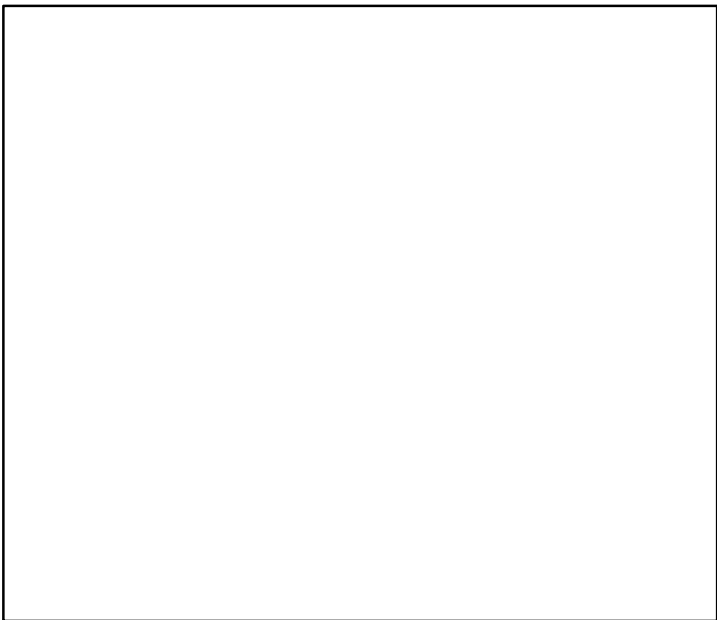
Kobe MSY*



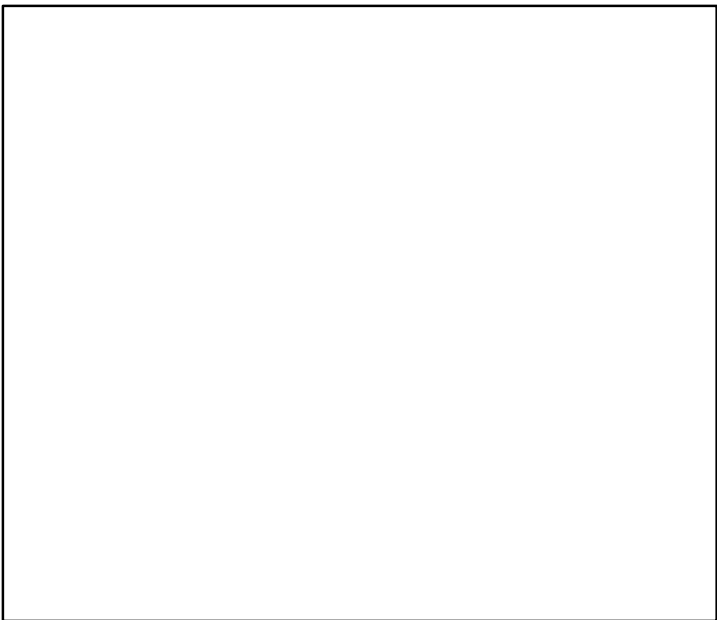
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Atka mackerel Gulf of Alaska [ATKAGA]

TB*



SSB*



TN *



F*



ER*



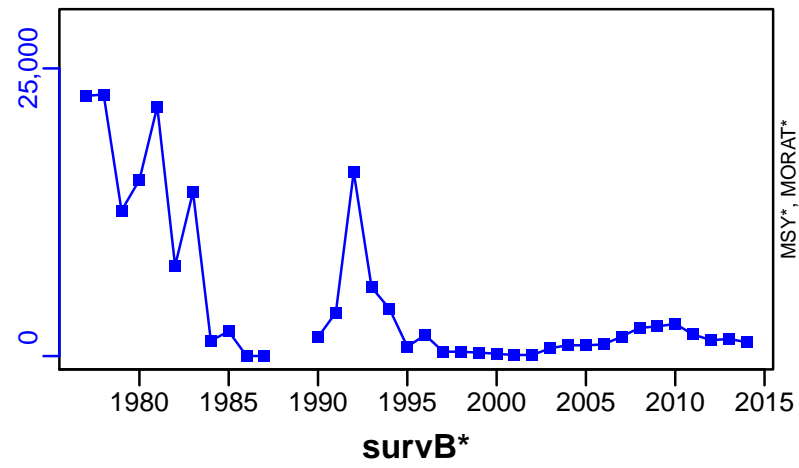
Recruits*



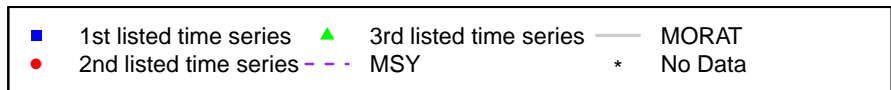
Atka mackerel Gulf of Alaska [ATKAGA]

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

TAC*, Cpair*, Cadv*



EFFORT*

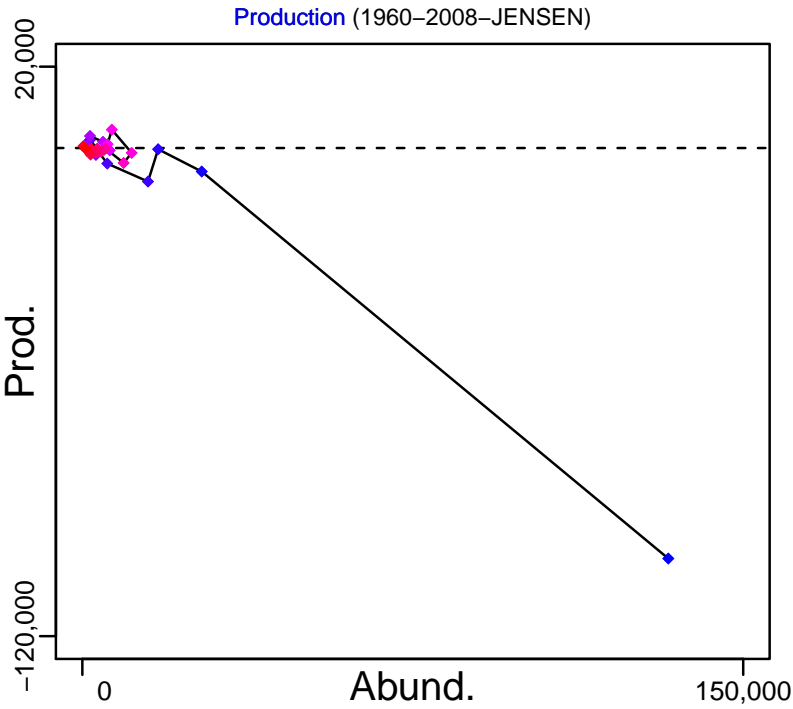


Blue king crab Pribilof Islands [BKINGCRABPI]

Metadata	
Scientific Name	Paralithodes platypus
Current Assess ID	AFSC-BKINGCRABPI-1960-2008-JENSEN
Area	Pribilof Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2008

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2008	4209
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

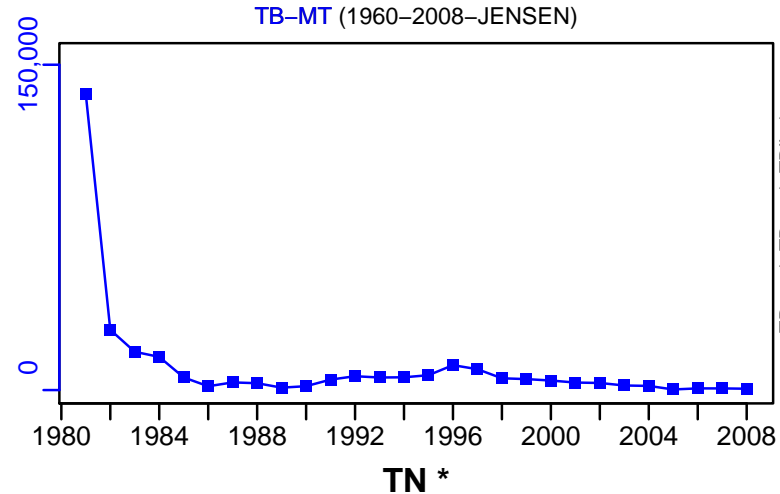
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2008	594	-	-
SSB	SSB-MT	2008	345	Males	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2008	0	-	-
TC	TC-MT	2008	0		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2008	0.08		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



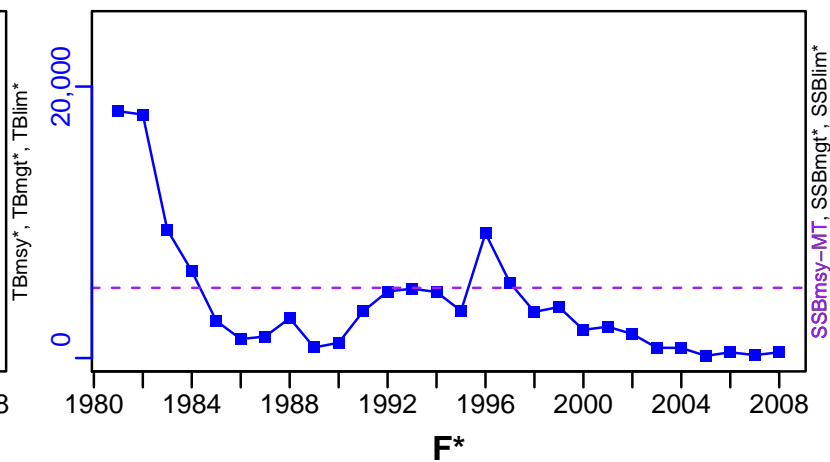
◆ Start Year ◆ End Year * No Data

Blue king crab Pribilof Islands [BKINGCRABPI]

TB-MT (1960-2008-JENSEN)



SSB-MT (1960-2008-JENSEN)



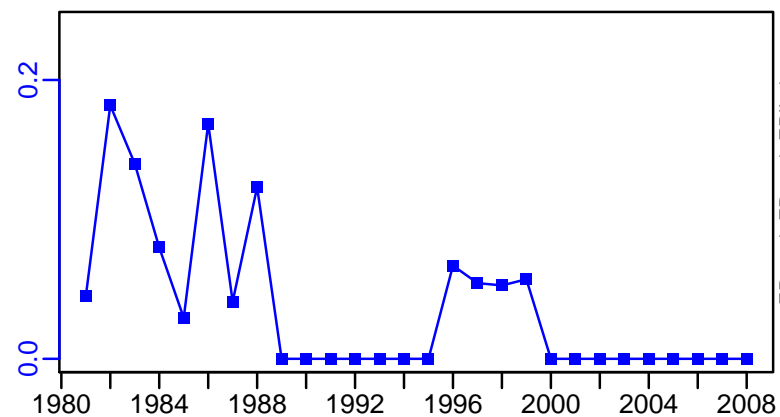
TN *



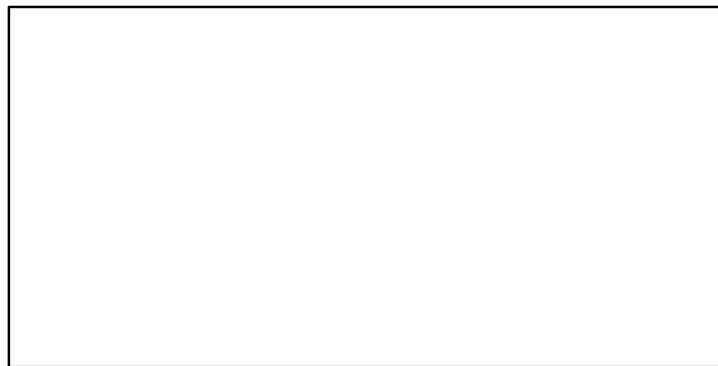
F*



ER-ratio (1960-2008-JENSEN)

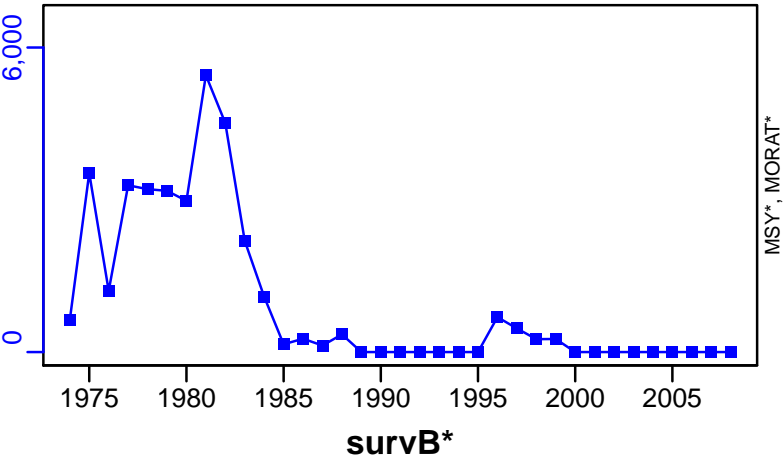


Recruits*



Blue king crab Pribilof Islands [BKINGCRABPI]

TC-MT, TL*, RecC* (1960-2008-JENSEN)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Blue king crab Saint Matthews Island [BKINGCRABSMI]

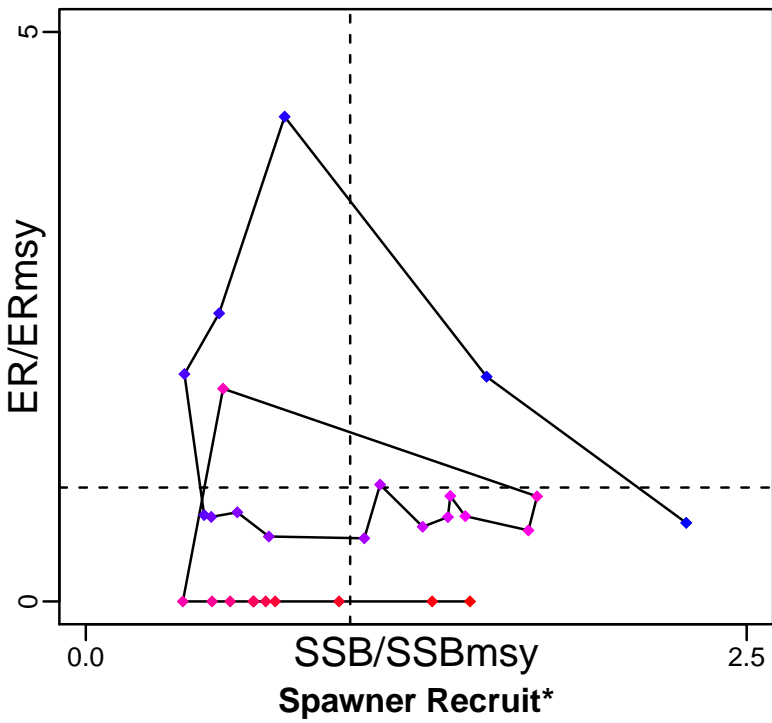
Metadata	
Scientific Name	Paralithodes platypus
Current Assess ID	AFSC-BKINGCRABSMI-1960-2008-JENSEN
Area	Saint Matthews Island
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2008

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2008	3351
Fmsy	Fmsy-pr-1/yr	2008	0.18
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

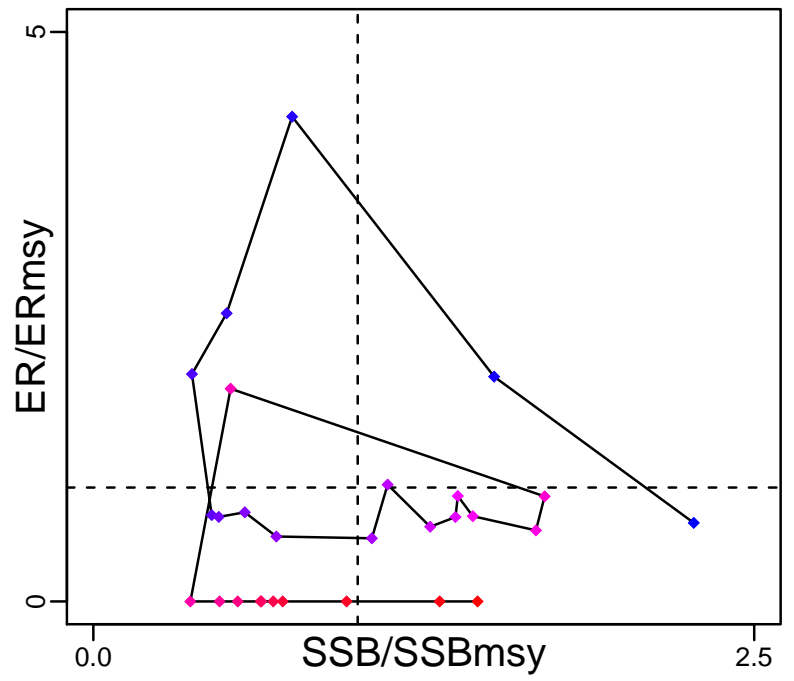
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2008	4870	Males	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2008	0	-	-
TC	TC-MT	2008	0		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2008	1.45		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/Fmsy-pr-1/yr	2008	0		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Blue king crab Saint Matthews Island [BKINGCRABSMI]

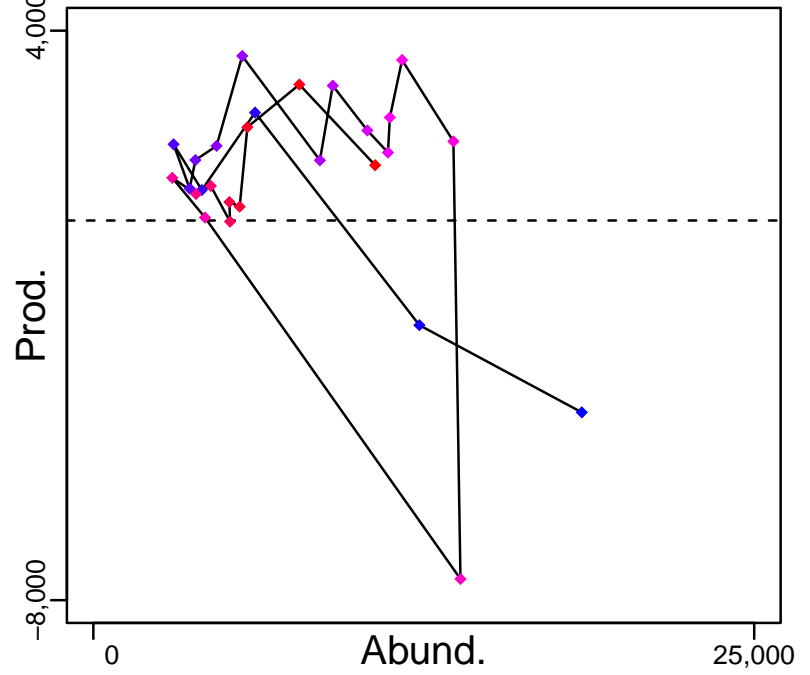
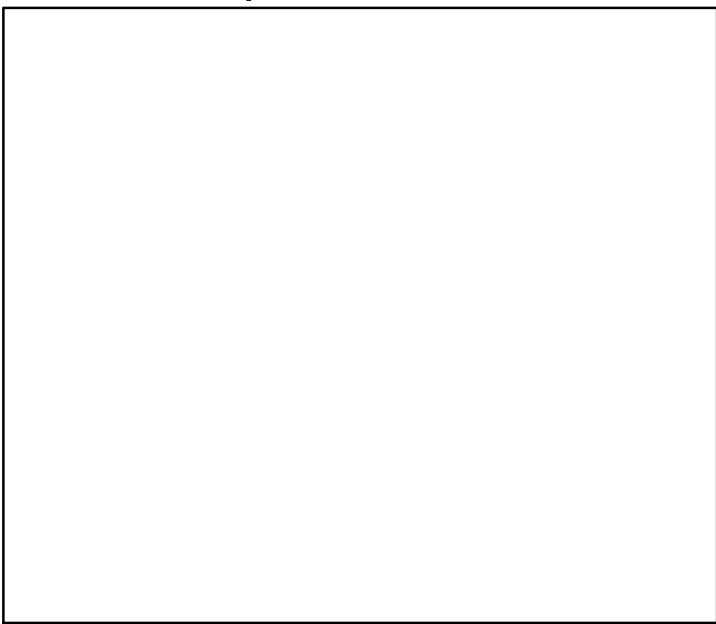
Kobe MSYpref (1960–2008–JENSEN)



Kobe MGTpref (1960–2008–JENSEN)



Production (1960–2008–JENSEN)



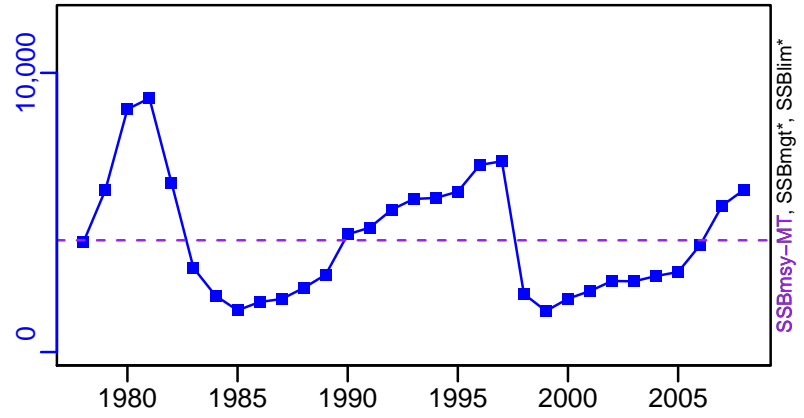
◆ Start Year ◆ End Year * No Data

Blue king crab Saint Matthews Island [BKINGCRABSMI]

TB*



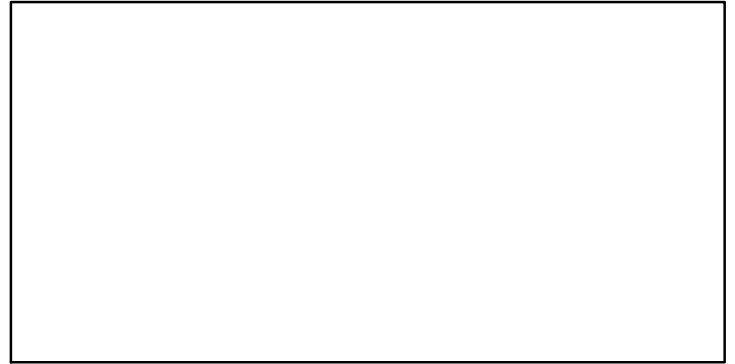
SSB-MT (1960–2008–JENSEN)



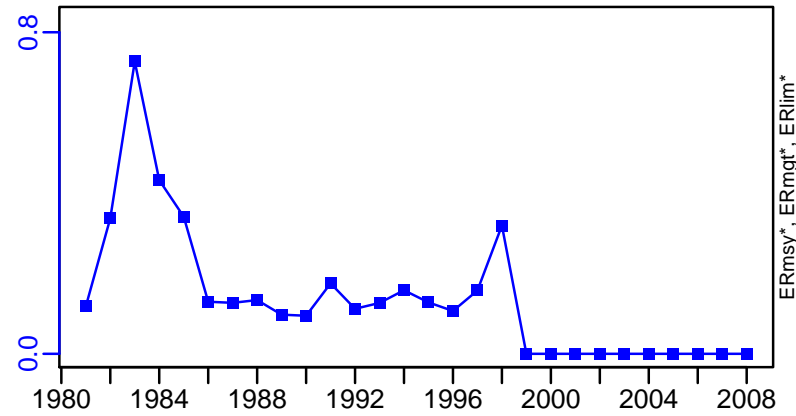
TN *



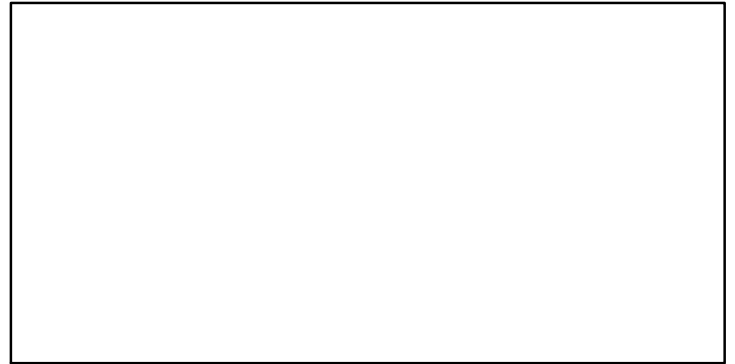
F*



ER-calc-ratio (1960–2008–JENSEN)

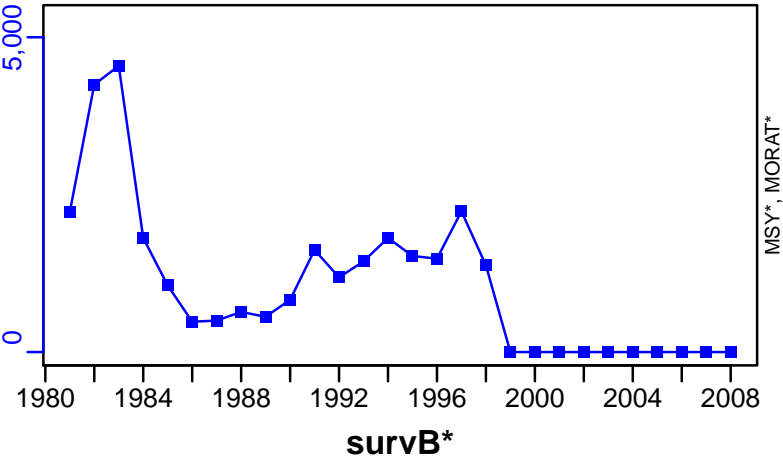


Recruits*



Blue king crab Saint Matthews Island [BKINGCRABSMI]

TC-MT, TL*, RecC* (1960-2008-JENSEN)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Dover sole Gulf of Alaska [DSOLEGA]

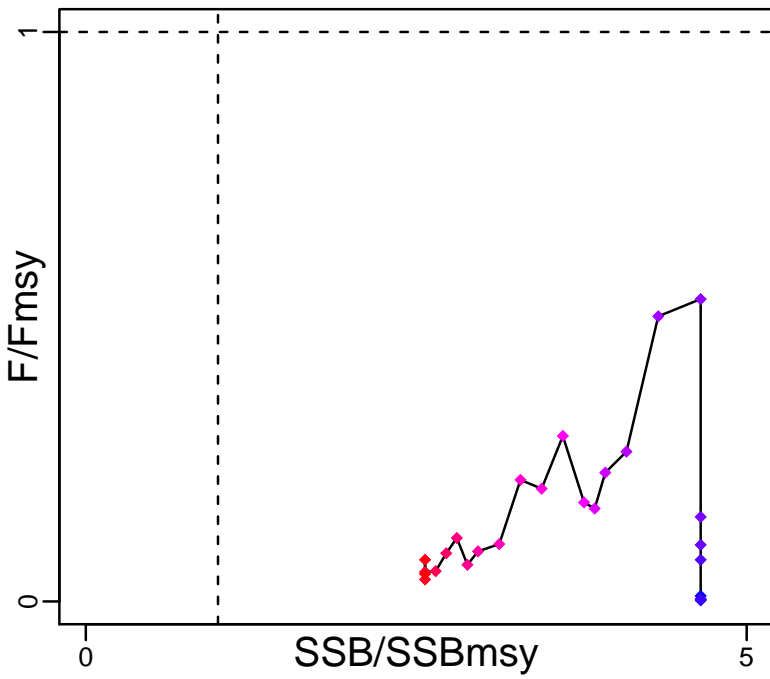
Metadata	
Scientific Name	Microstomus pacificus
Current Assess ID	AFSC-DSOLEGA-1978-2015-SISIMP2016
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2009, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	19,855
Fmsy	Fmsy-pr-1/yr	2009	0.15
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2009	0.08
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

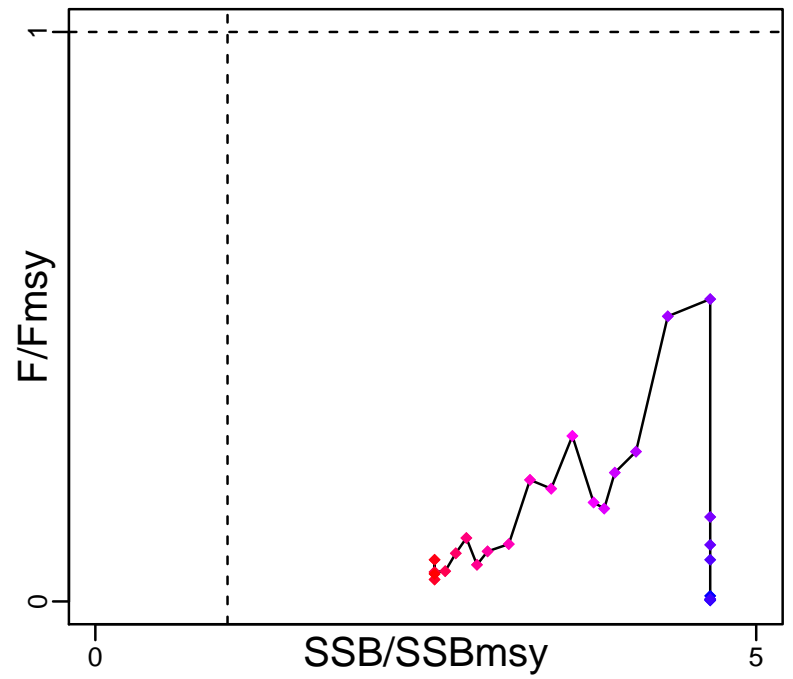
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	141,000	-	0+
SSB	SSB-MT	2015	48,900	Females	12.47+
TN	-	-	-	-	-
R	R-E00	2015	19,500,000	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	324		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	2.46		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2009	0.05		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Dover sole Gulf of Alaska [DSOLEGA]

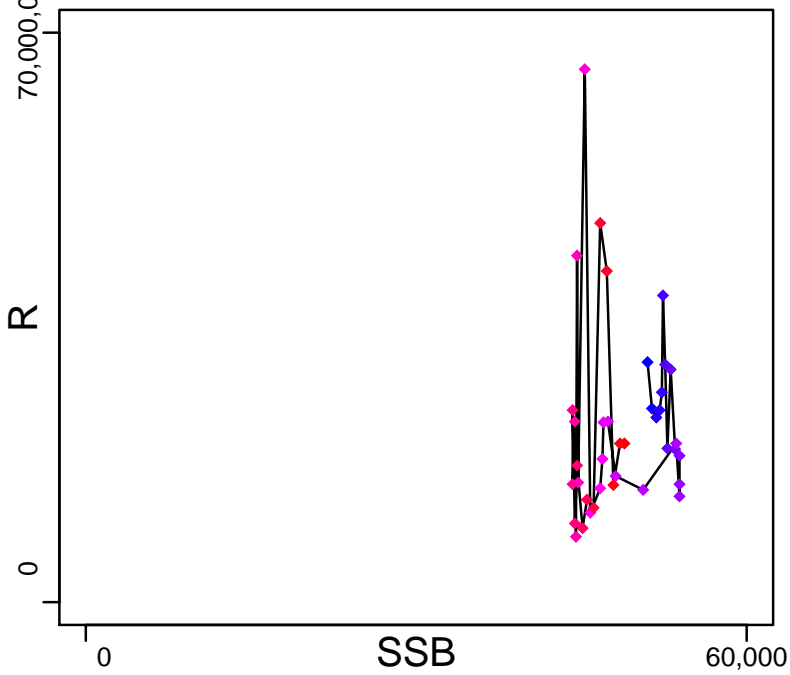
Kobe MSYpref (1978–2009–STACHURA)



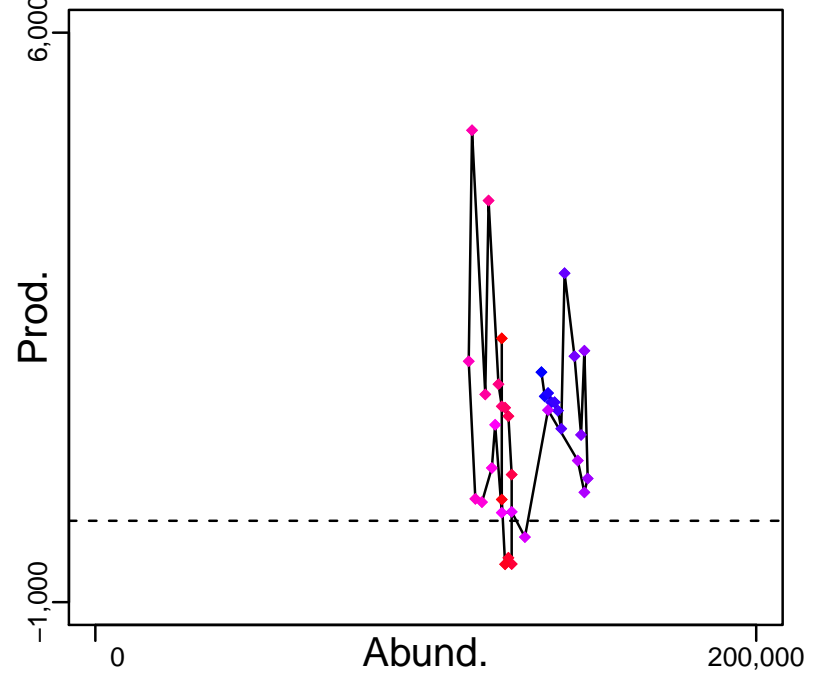
Kobe MGTpref (1978–2009–STACHURA)



Spawner Recruit (1978–2015–SISIMP2016)



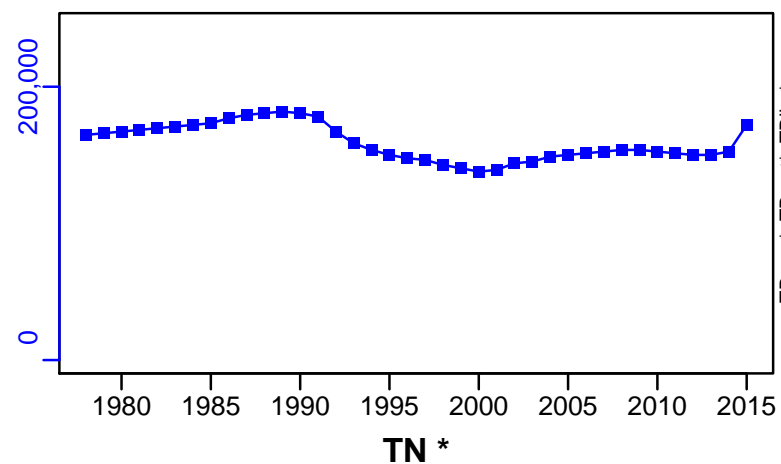
Production (1978–2015–SISIMP2016)



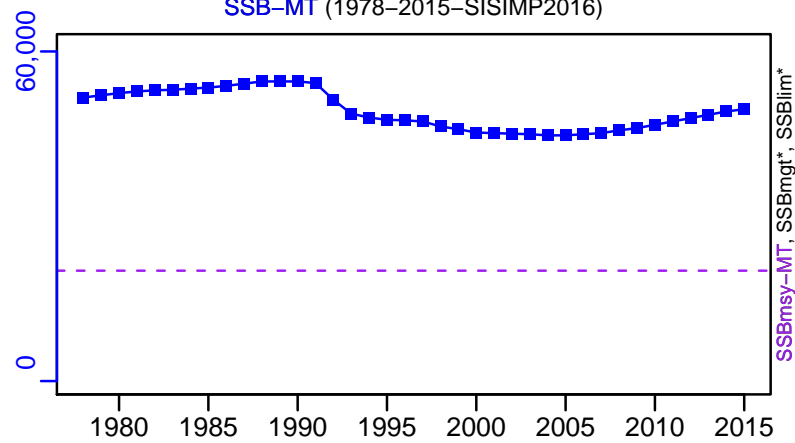
◆ Start Year ◆ End Year * No Data

Dover sole Gulf of Alaska [DSOLEGA]

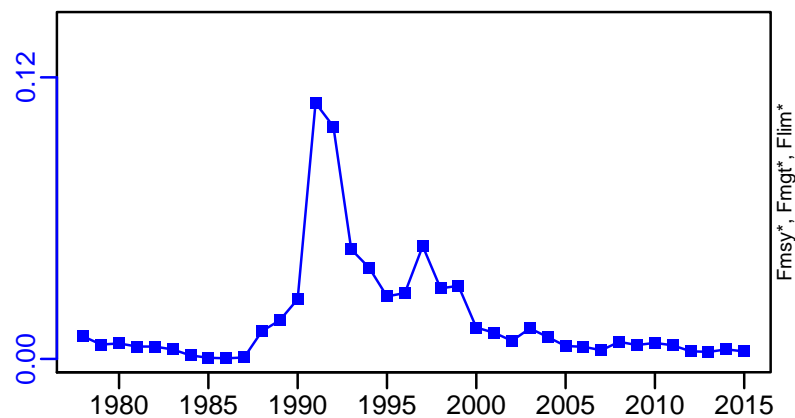
TB-MT (1978–2015–SISIMP2016)



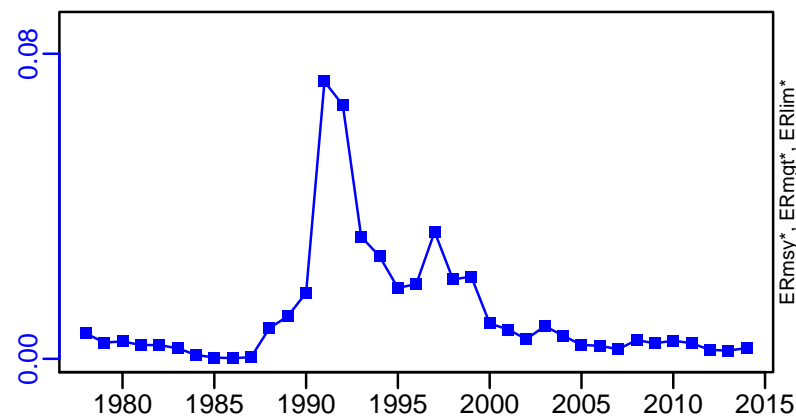
SSB-MT (1978–2015–SISIMP2016)



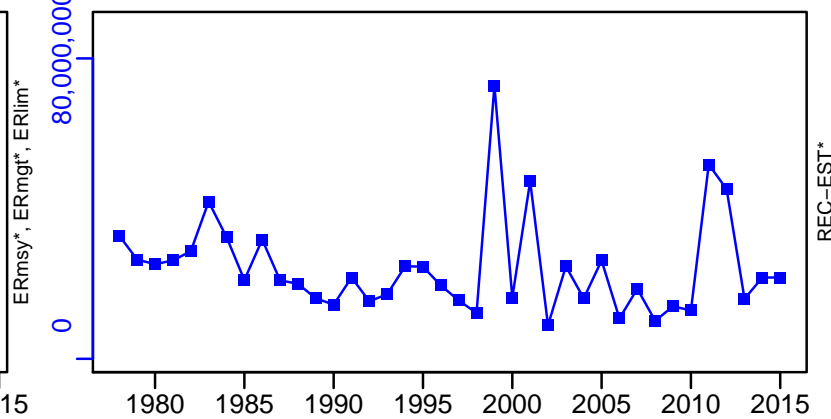
F-1/yr (1978–2015–SISIMP2016)



ER-calc-ratio (1978–2015–SISIMP2016)



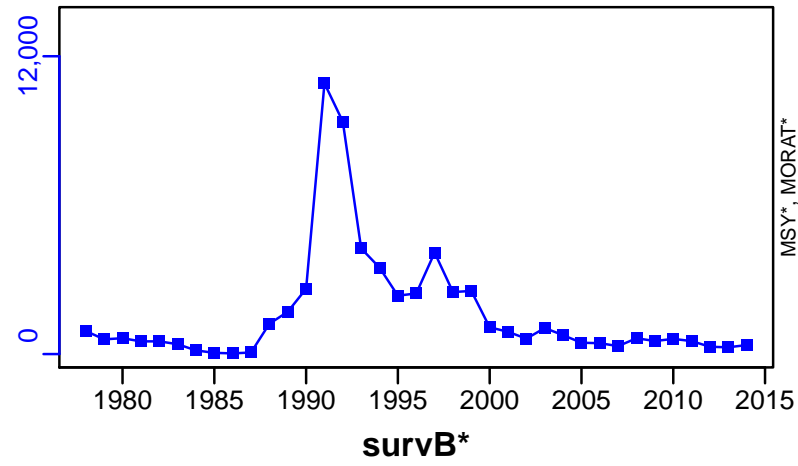
R-E00 (1978–2015–SISIMP2016)



Dover sole Gulf of Alaska [DSOLEGA]

TC-MT, TL*, RecC* (1978-2015-SISIMP2016)

TAC*, Cpair*, Cadv*



Dusky rockfish Gulf of Alaska [DUSROCKGA]

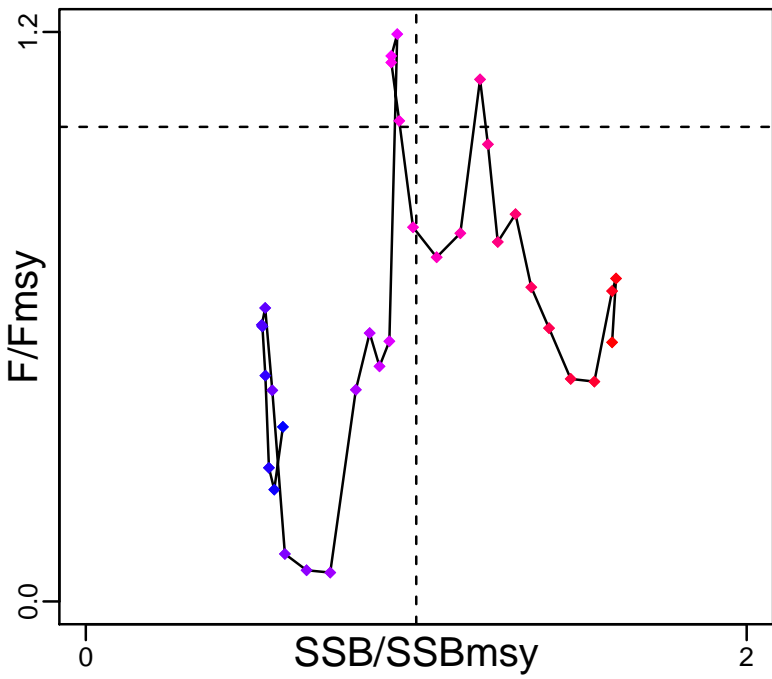
Metadata	
Scientific Name	Sebastes variabilis
Current Assess ID	AFSC-DUSROCKGA-1977-2015-SISIMP2016
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2010, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	17,244
Fmsy	Fmsy-1/yr	2010	0.09
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.07
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

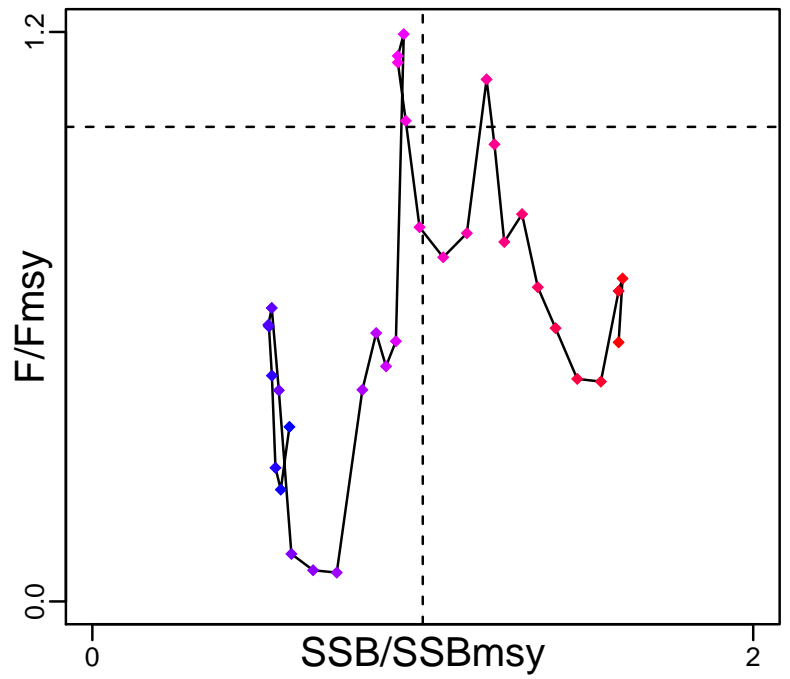
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	63,100	-	4+
SSB	SSB-MT	2015	27,700	Females	-
TN	-	-	-	-	-
R	R-E00	2015	2,150,000	-	4
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	3030		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.61		
F/Fmsy	F-1/yr/Fmsy-1/yr	2010	0.55		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Dusky rockfish Gulf of Alaska [DUSROCKGA]

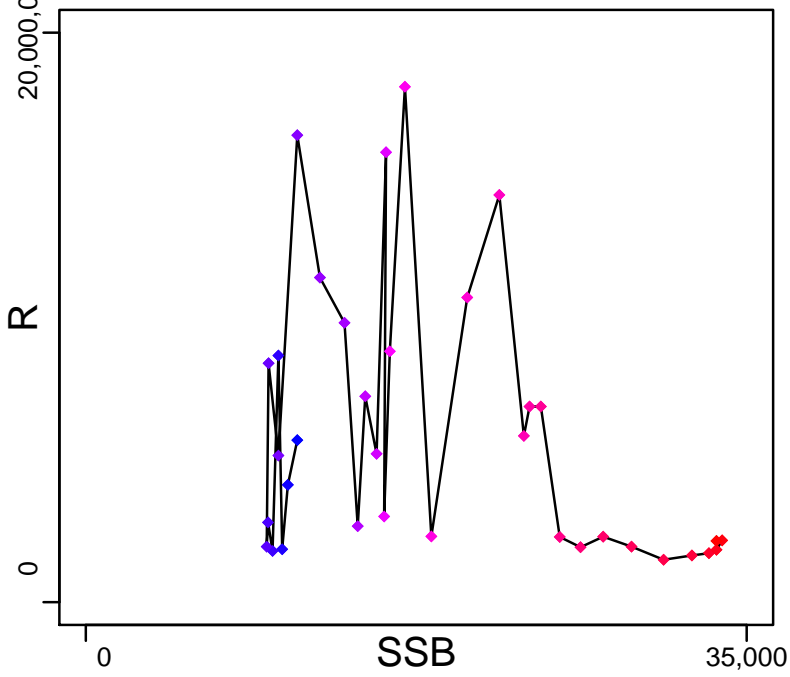
Kobe MSYpref (1973–2010–STACHURA)



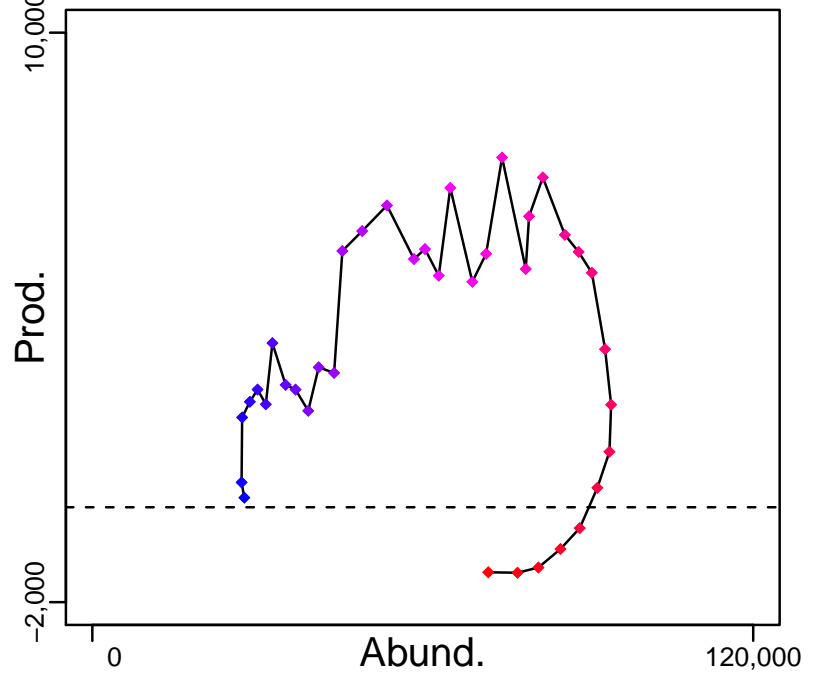
Kobe MGTpref (1973–2010–STACHURA)



Spawner Recruit (1977–2015–SISIMP2016)



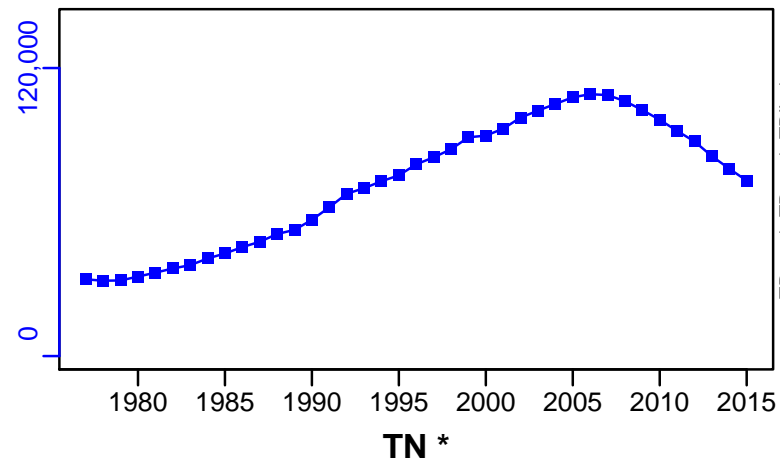
Production (1977–2015–SISIMP2016)



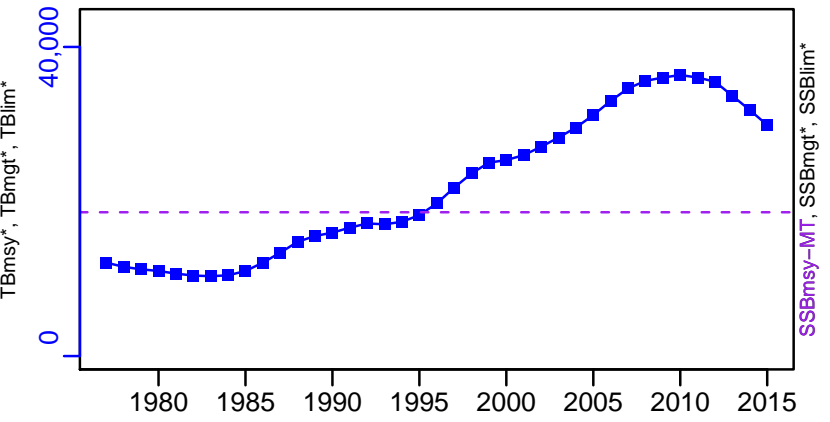
◆ Start Year ◆ End Year * No Data

Dusky rockfish Gulf of Alaska [DUSROCKGA]

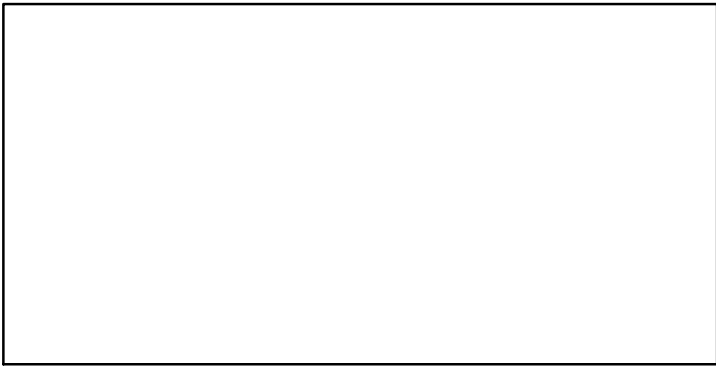
TB-MT (1977-2015-SISIMP2016)



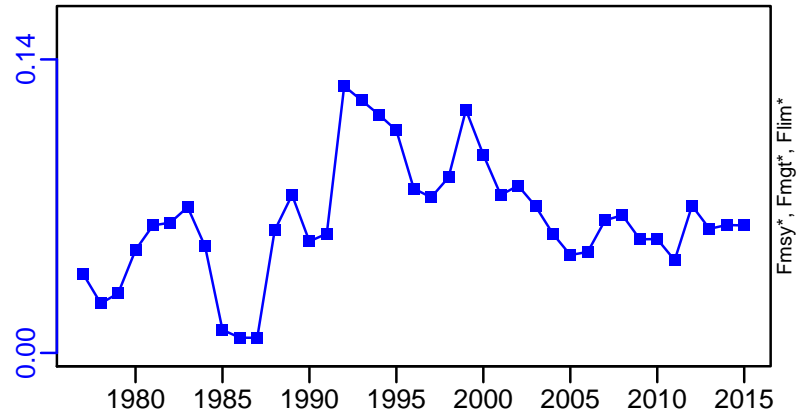
SSB-MT (1977-2015-SISIMP2016)



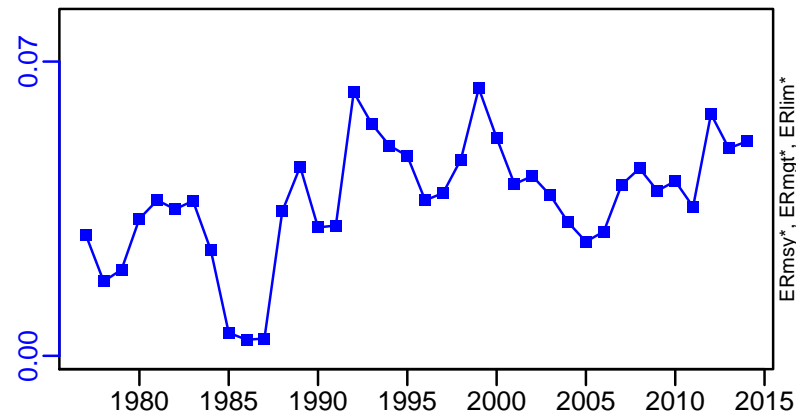
TN *



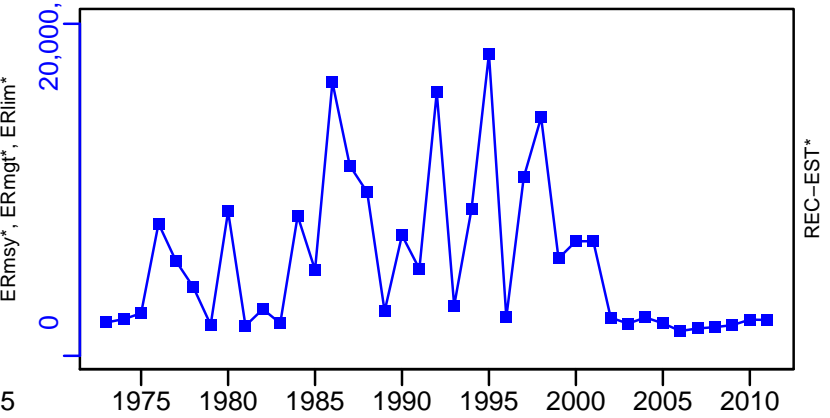
F-1/yr (1977-2015-SISIMP2016)



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



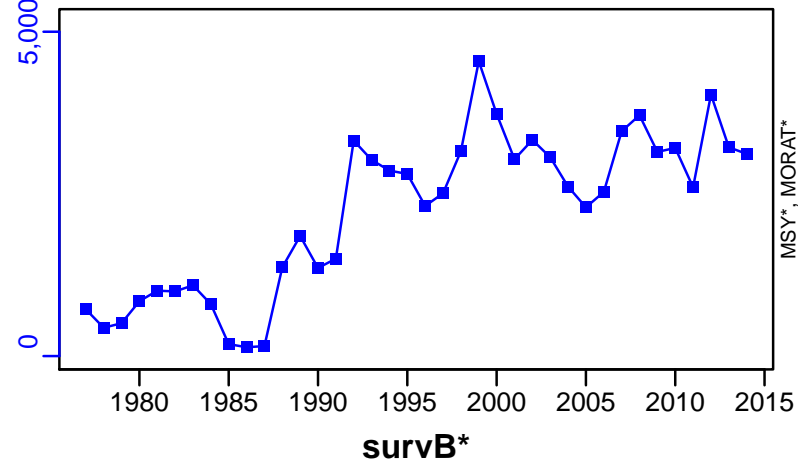
R-E00 (1977-2015-SISIMP2016)



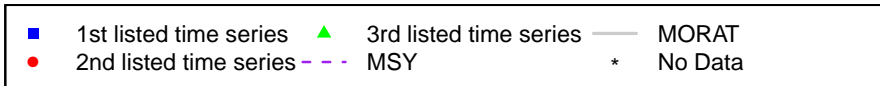
Dusky rockfish Gulf of Alaska [DUSROCKGA]

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

TAC*, Cpair*, Cadv*



EFFORT*



Flathead sole Bering Sea and Aleutian Islands [FLSOLEBSAI]

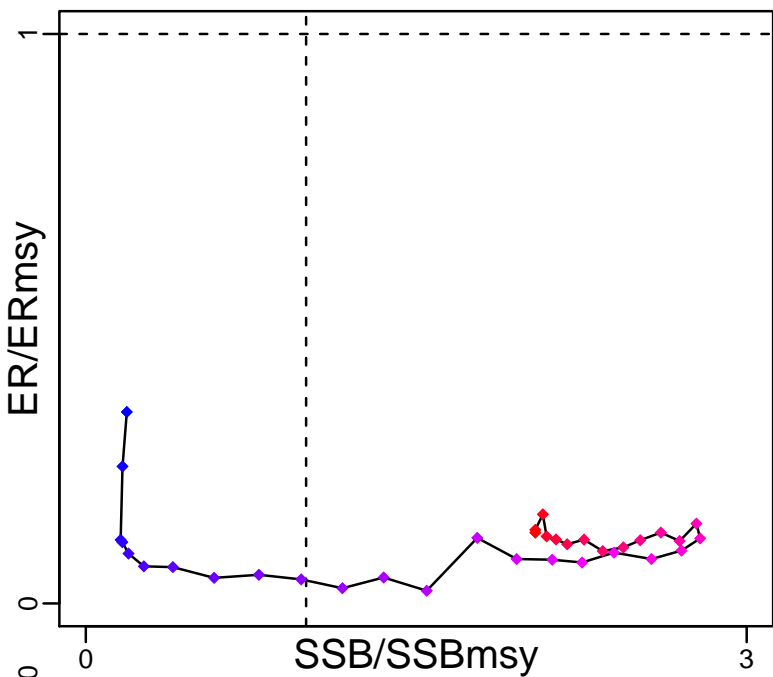
Metadata	
Scientific Name	Hippoglossoides elassodon
Current Assess ID	AFSC-FLSOLEBSAI-1977-2015-SISIMP2016
Area	Bering Sea and Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2010, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	111,722
Fmsy	Fmsy-pr-1/yr	2010	0.34
ERmsy	ERmsy-conv-ratio	2010	0.19
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-MT	2010	336,027
MSY	MSY-MT	2010	83,321
M	M-1/yr	2010	0.2
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

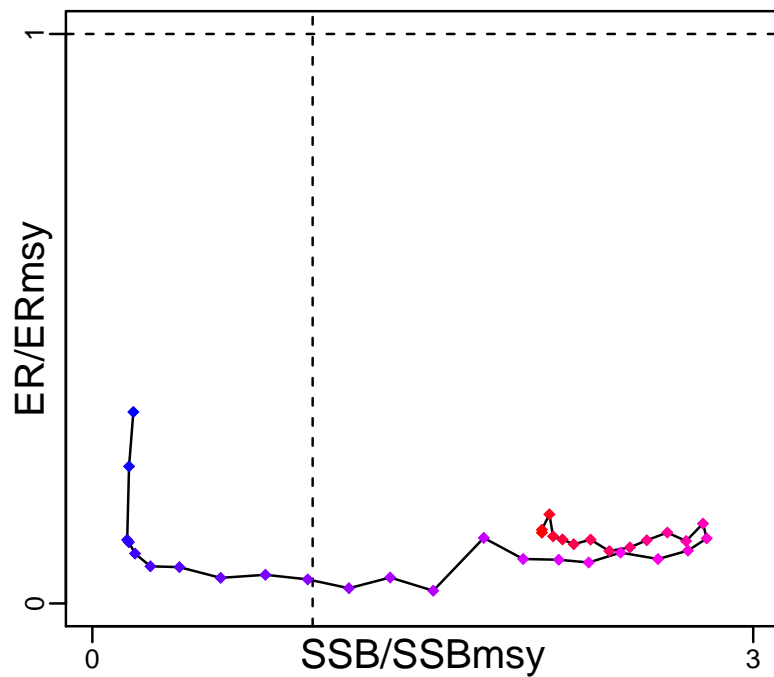
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	738,000	-	3+
SSB	SSB-MT	2015	240,000	Females	9.7+
TN	-	-	-	-	-
R	R-E00	2015	1.67×10^9	-	3
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	15,800		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	2.15		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2010	0.17		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2010	0.12		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Flathead sole Bering Sea and Aleutian Islands [FLSOLEBSAI]

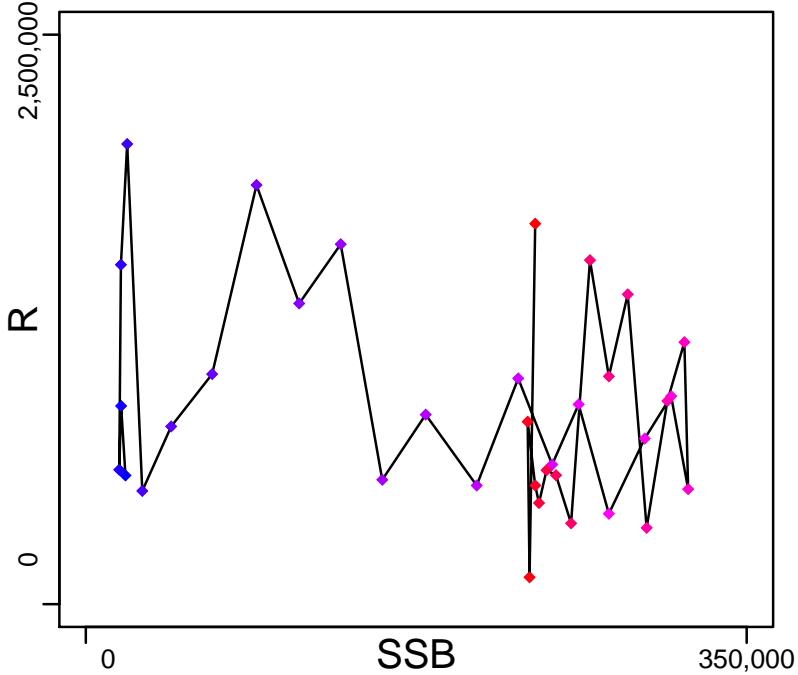
Kobe MSYpref (1974–2010–STACHURA)



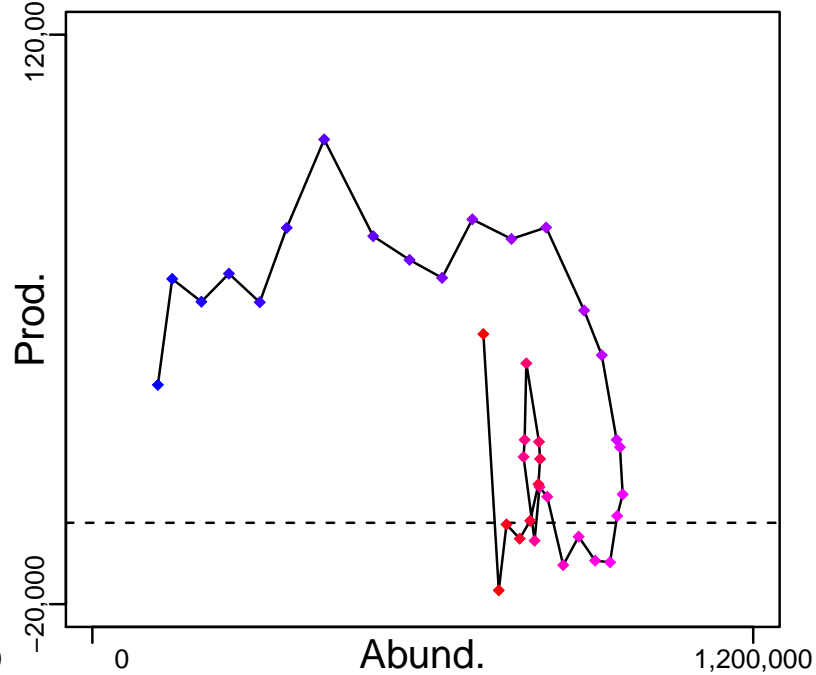
Kobe MGTpref (1974–2010–STACHURA)



Spawner Recruit (1977–2015–SISIMP2016)



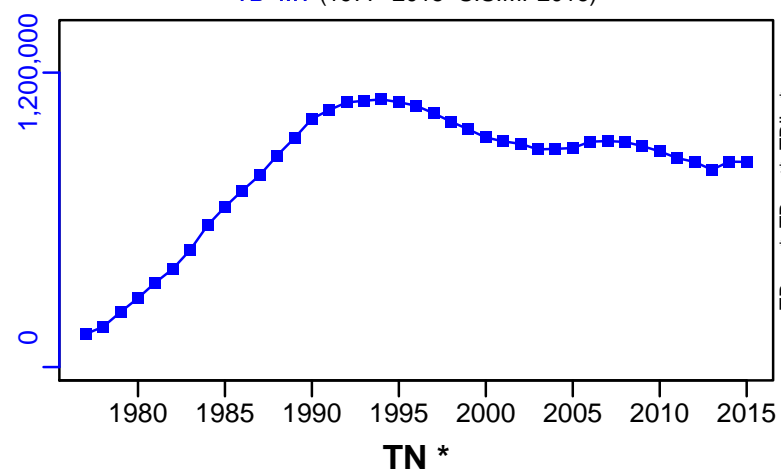
Production (1977–2015–SISIMP2016)



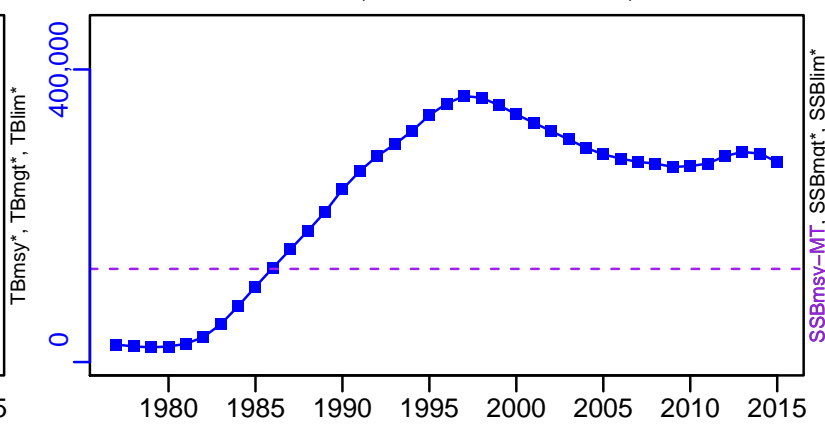
◆ Start Year ◆ End Year * No Data

Flathead sole Bering Sea and Aleutian Islands [FLSOLEBSAI]

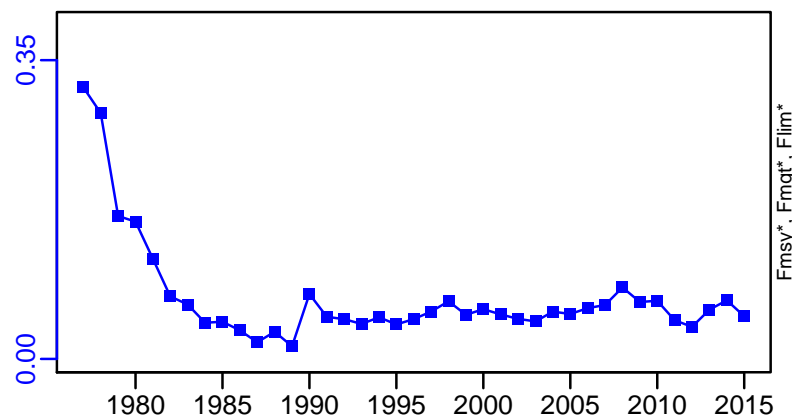
TB-MT (1977-2015-SISIMP2016)



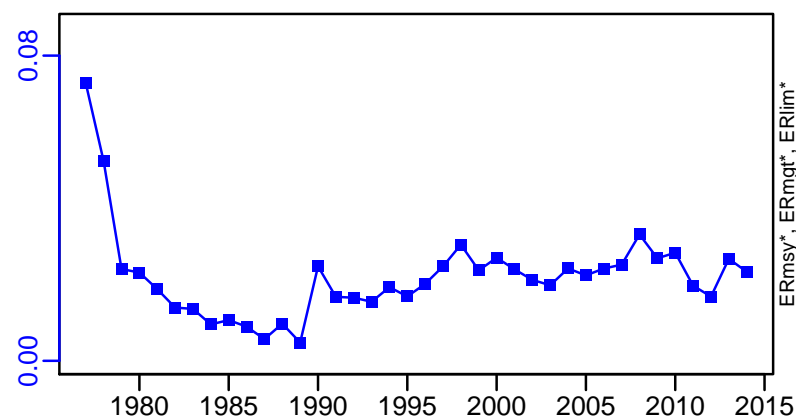
SSB-MT (1977-2015-SISIMP2016)



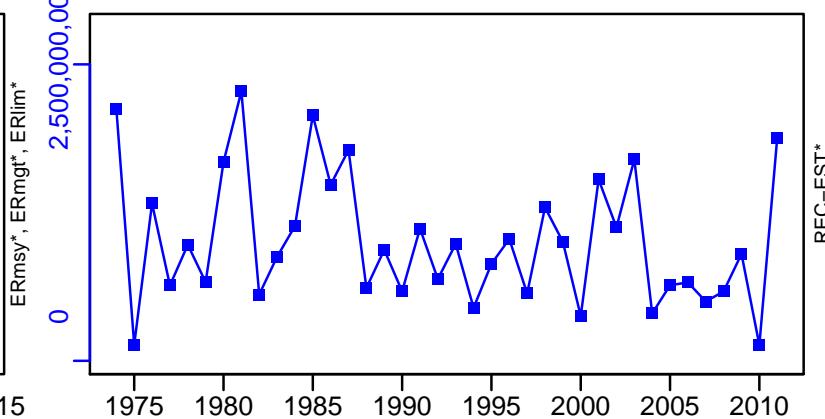
F-1/yr (1977-2015-SISIMP2016)



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



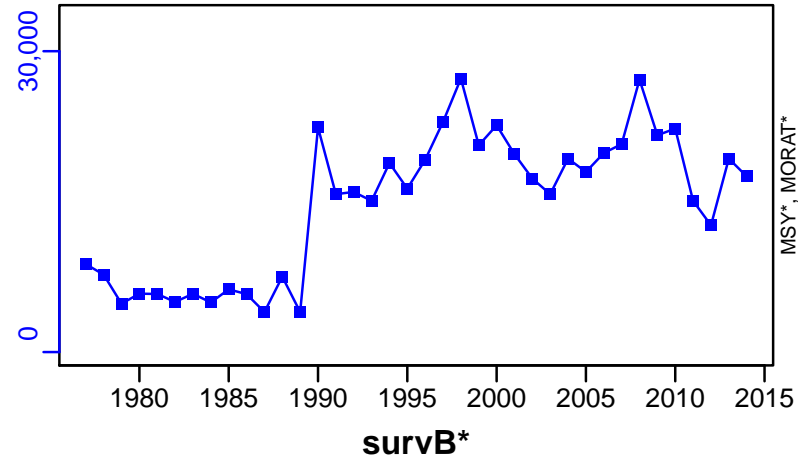
R-E00 (1977-2015-SISIMP2016)



Flathead sole Bering Sea and Aleutian Islands [FLSOLEBSAI]

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

TAC*, Cpair*, Cadv*



Flathead sole Gulf of Alaska [FLSOLEGA]

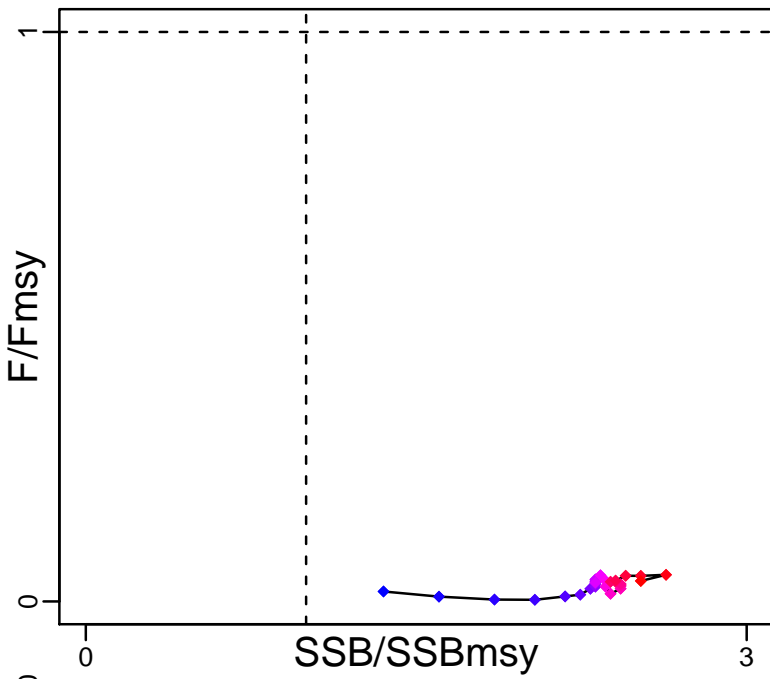
Metadata	
Scientific Name	Hippoglossoides elassodon
Current Assess ID	AFSC-FLSOLEGA-1978-2015-SISIMP2016
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2010, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	32,258
Fmsy	Fmsy-pr-1/yr	2010	0.48
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.2
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

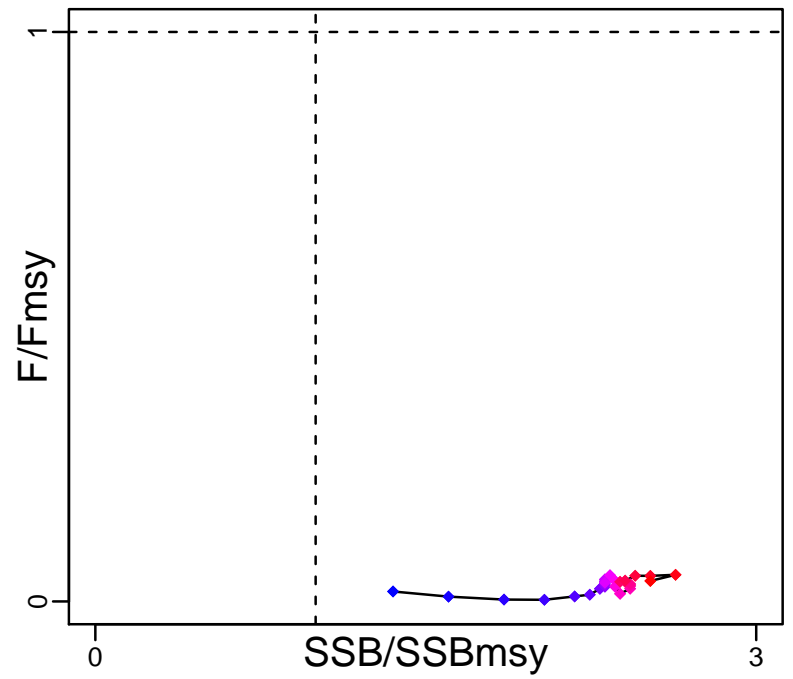
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	258,000	-	3+
SSB	SSB-MT	2015	82,000	Females	8.7+
TN	-	-	-	-	-
R	R-E00	2015	3.72×10^8	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	2560		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	2.54		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2010	0.04		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Flathead sole Gulf of Alaska [FLSOLEGA]

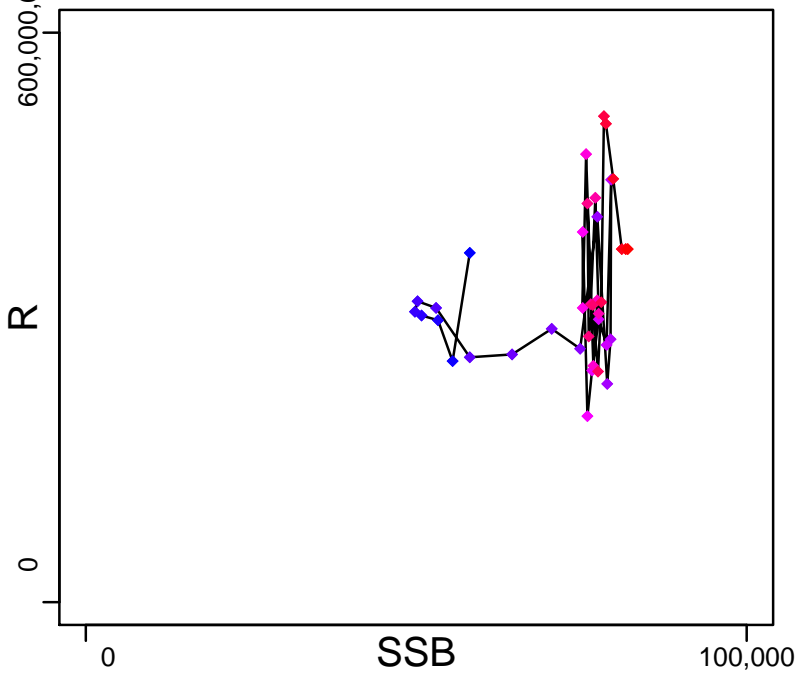
Kobe MSYpref (1978–2010–STACHURA)



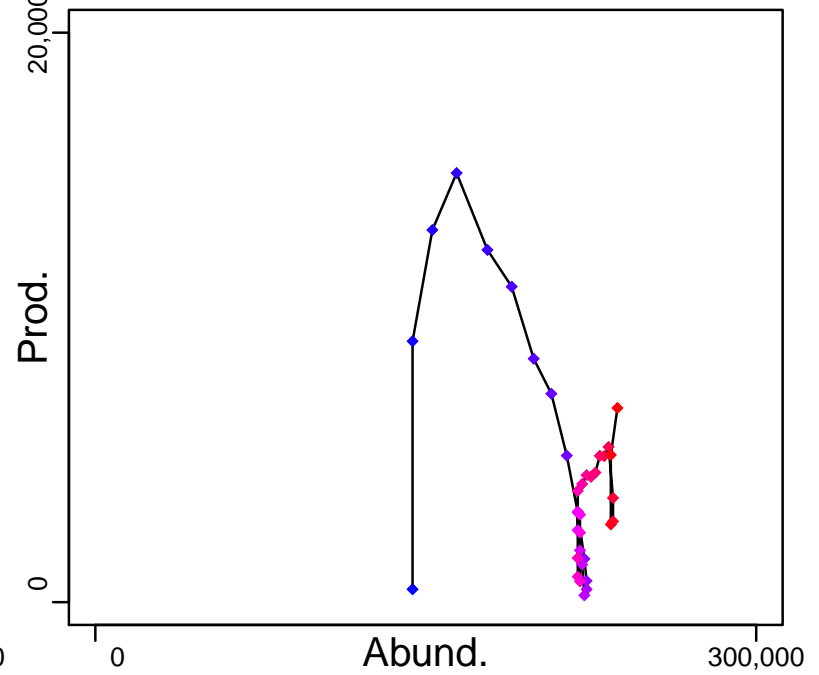
Kobe MGTpref (1978–2010–STACHURA)



Spawner Recruit (1978–2015–SISIMP2016)



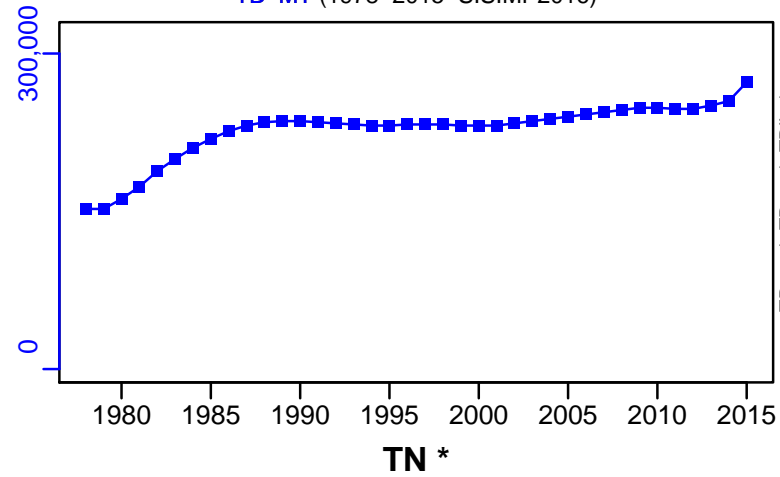
Production (1978–2015–SISIMP2016)



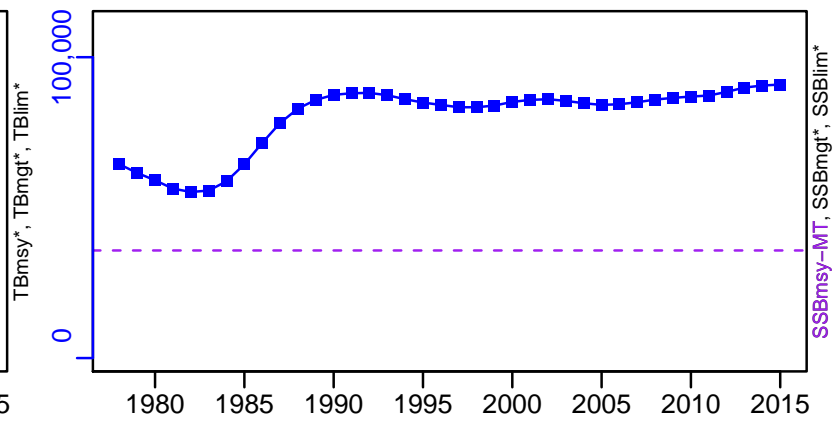
◆ Start Year ◆ End Year * No Data

Flathead sole Gulf of Alaska [FLSOLEGA]

TB-MT (1978–2015–SISIMP2016)

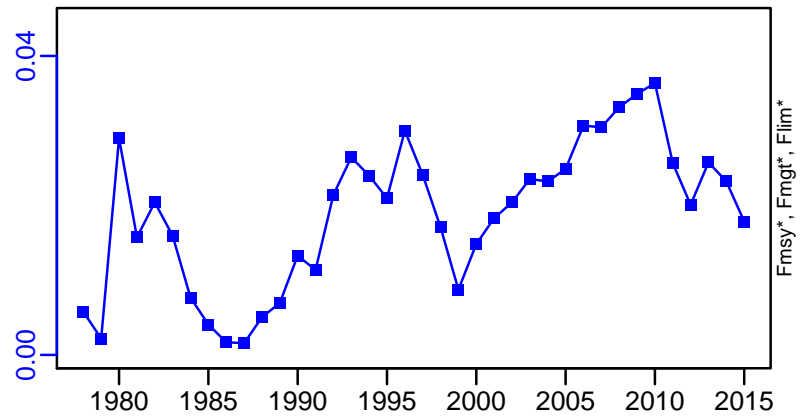
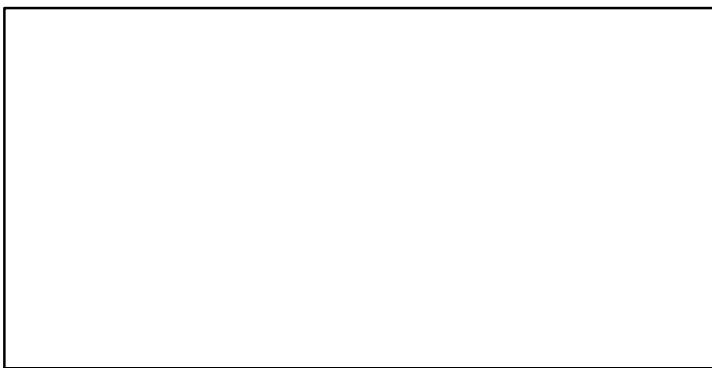


SSB-MT (1978–2015–SISIMP2016)

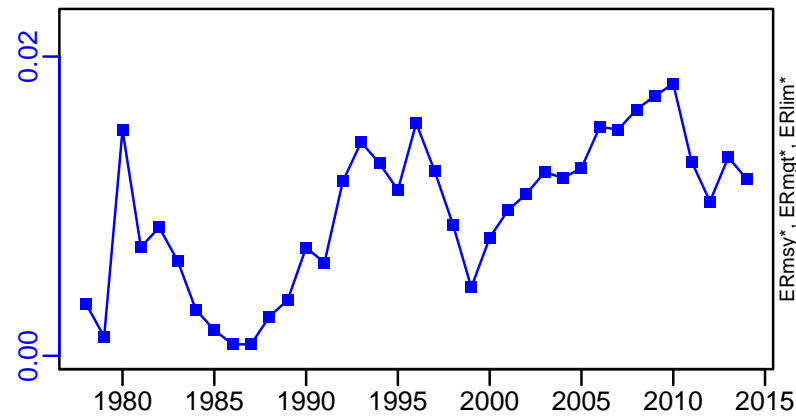


TN *

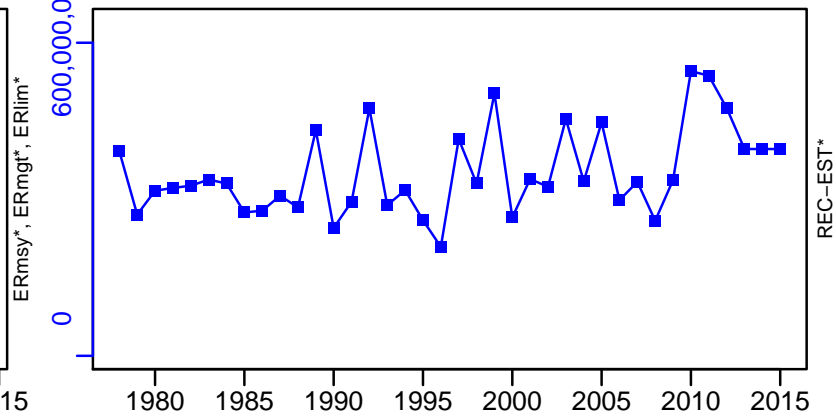
F-1/yr (1978–2015–SISIMP2016)



ER-calc-ratio (1978–2015–SISIMP2016)

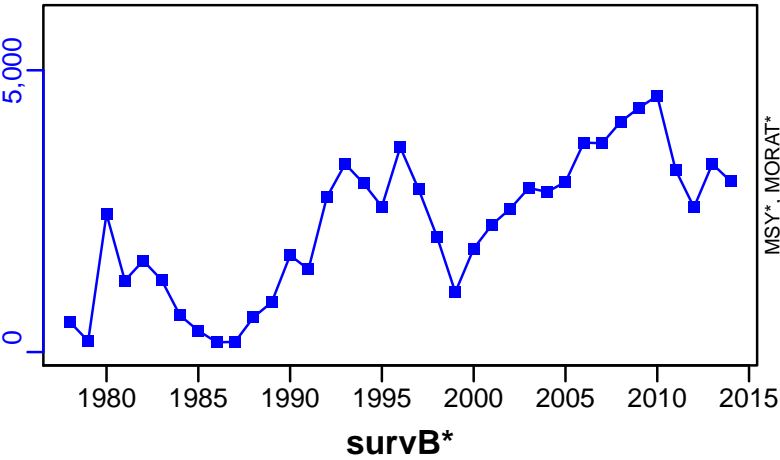


R-E00 (1978–2015–SISIMP2016)

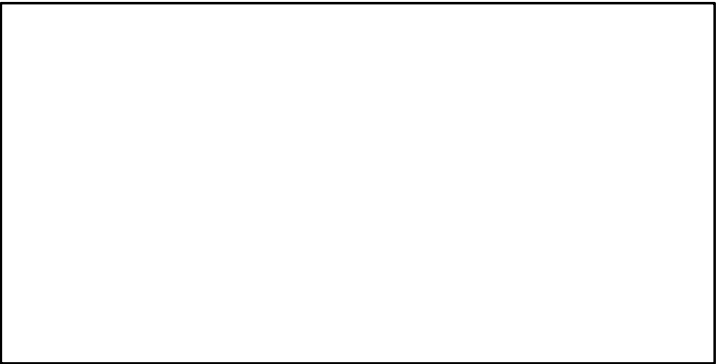


Flathead sole Gulf of Alaska [FLSOLEGA]

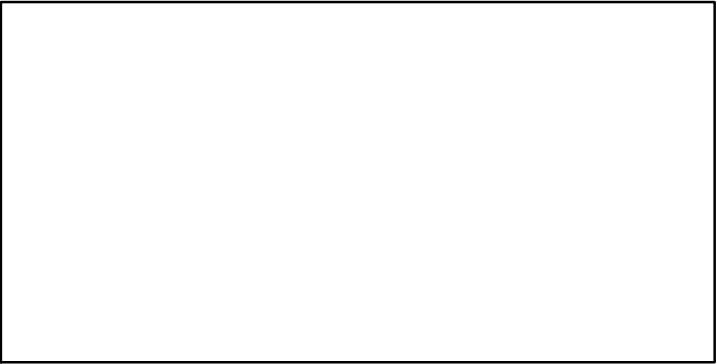
TC-MT, TL*, RecC* (1978-2015-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Greenland turbot Bering Sea and Aleutian Islands [GHALBSAI]

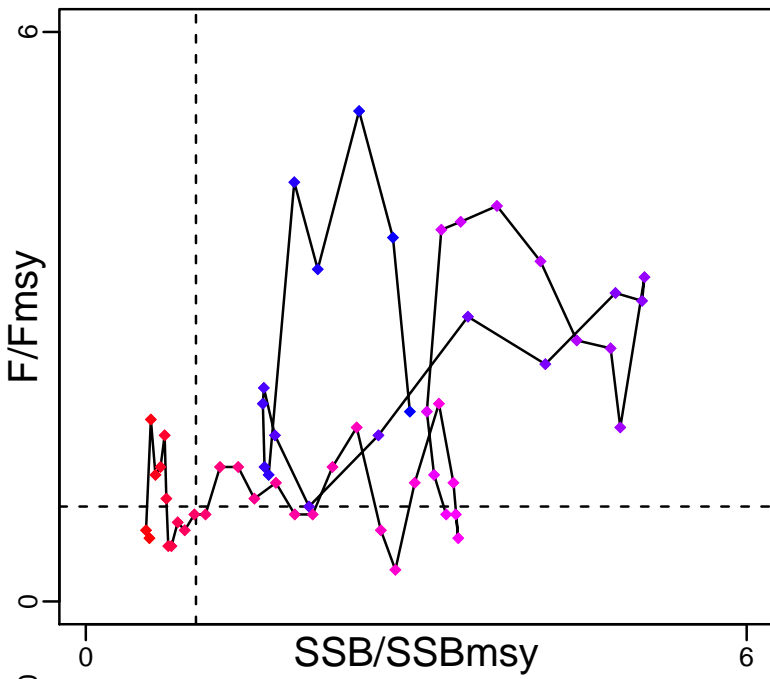
Metadata	
Scientific Name	Reinhardtius hippoglossoides
Current Assess ID	AFSC-GHALBSAI-1960-2015-HIVELY
Area	Bering Sea and Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-pr-MT	2015	45,543
Fmsy	Fmsy-pr-1/yr	2015	0.12
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2015	0.11
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

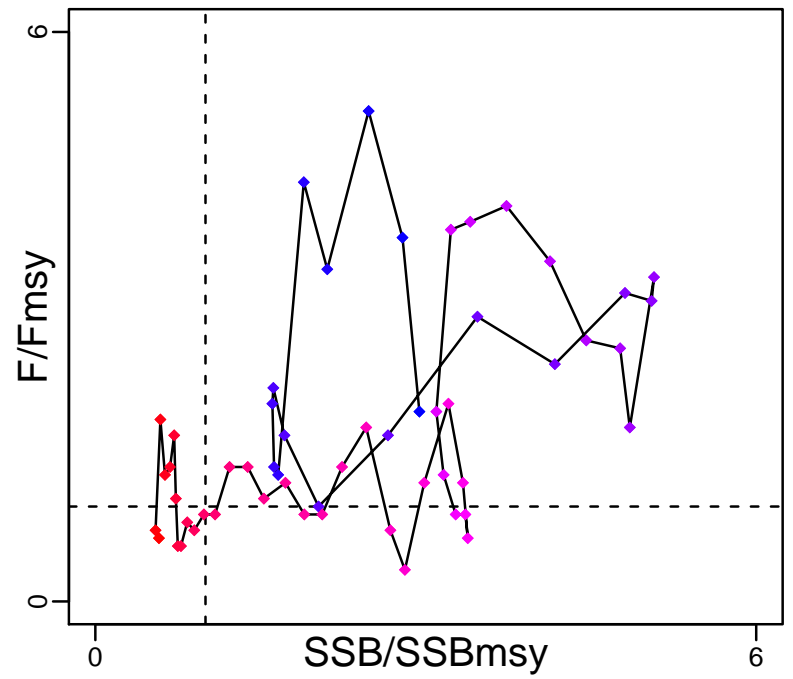
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	122,000	-	1+
SSB	SSB-MT	2015	30,900	Females	-
TN	-	-	-	-	-
R	R-E00	2015	12,600,000	-	0
F	F-1/yr	2015	0	-	-
ER	ER-ratio	2015	0	-	-
TC	-	-	-		
TL	TL-MT	2015	1650		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2015	0.68		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2015	0.67		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Greenland turbot Bering Sea and Aleutian Islands [GHALBSAI]

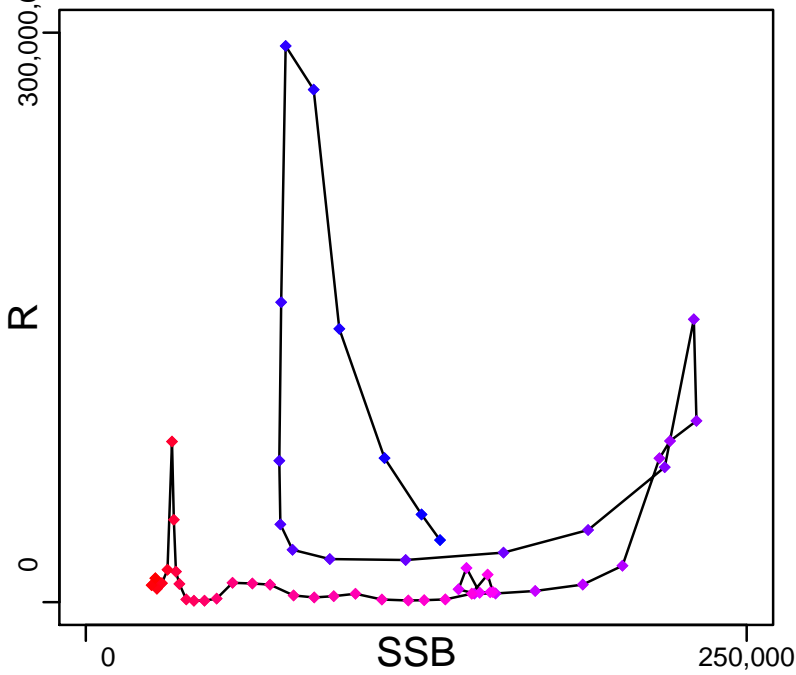
Kobe MSYpref (1960–2015–HIVELY)



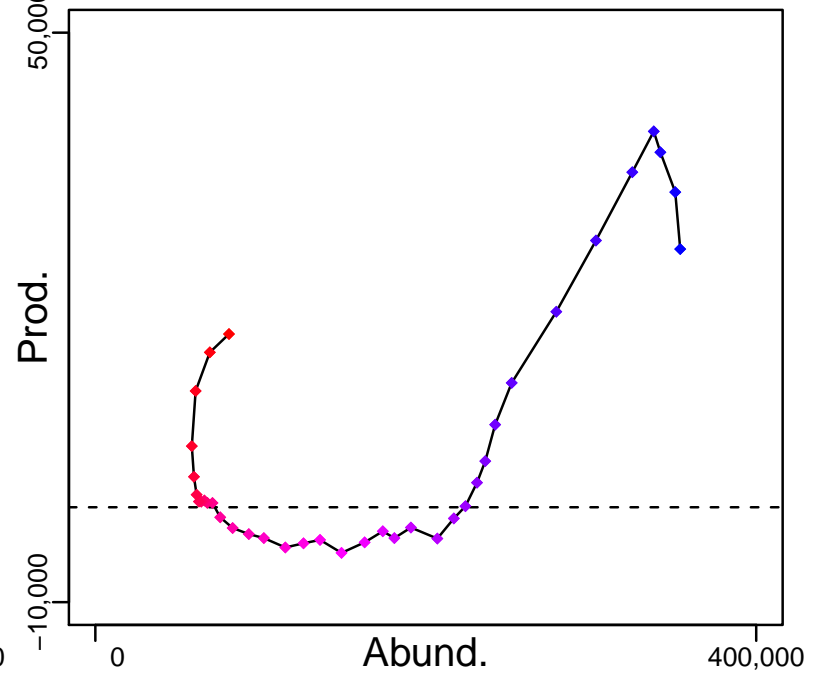
Kobe MGTpref (1960–2015–HIVELY)



Spawner Recruit (1960–2015–HIVELY)



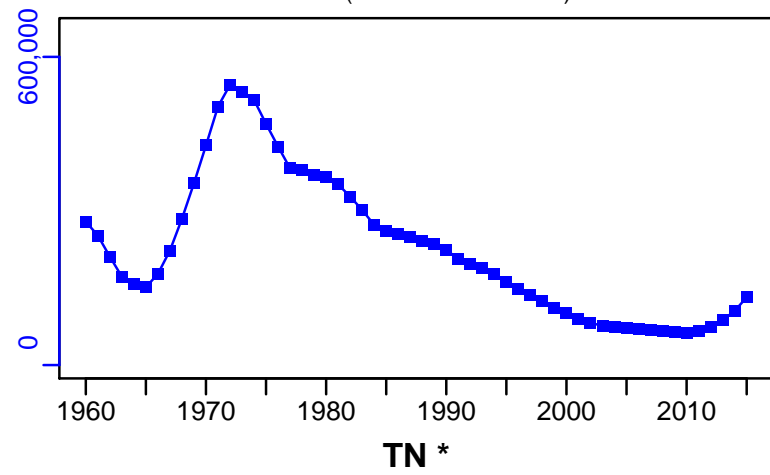
Production (1960–2015–HIVELY)



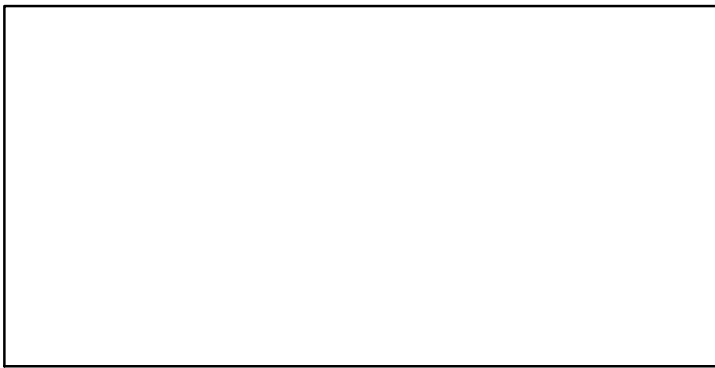
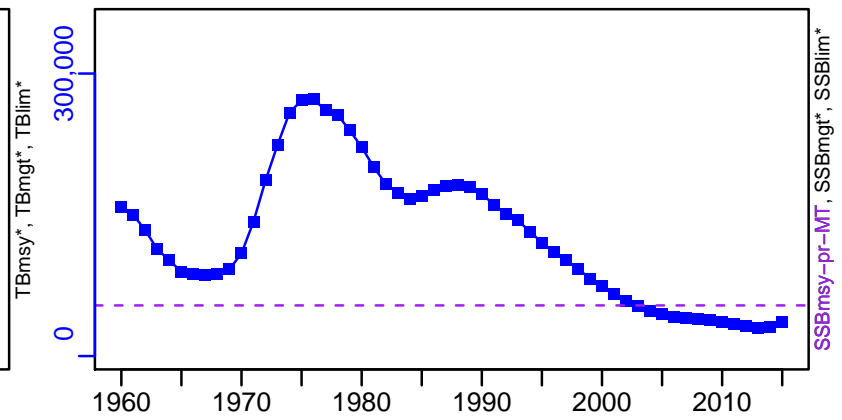
◆ Start Year ◆ End Year * No Data

Greenland turbot Bering Sea and Aleutian Islands [GHALBSAI]

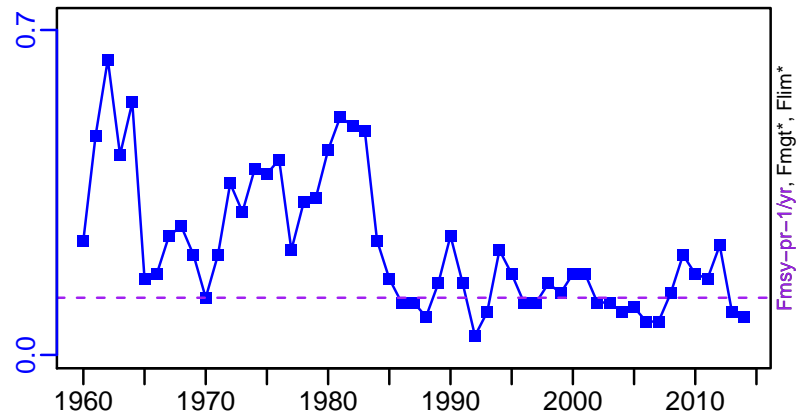
TB-MT (1960–2015–HIVELY)



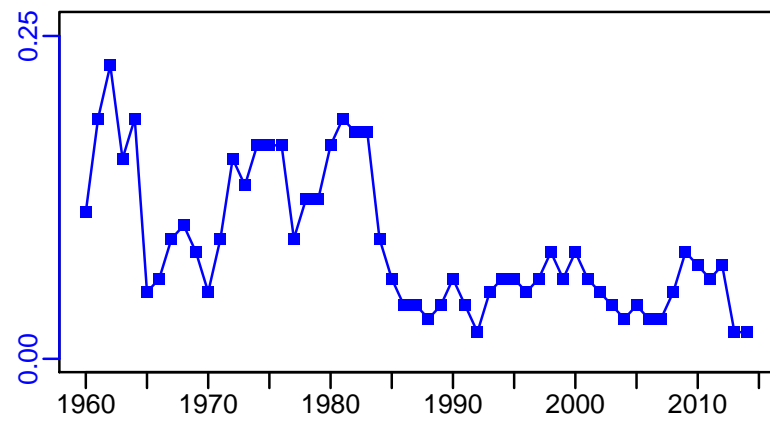
SSB-MT (1960–2015–HIVELY)



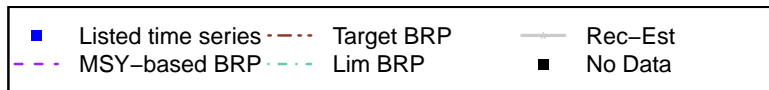
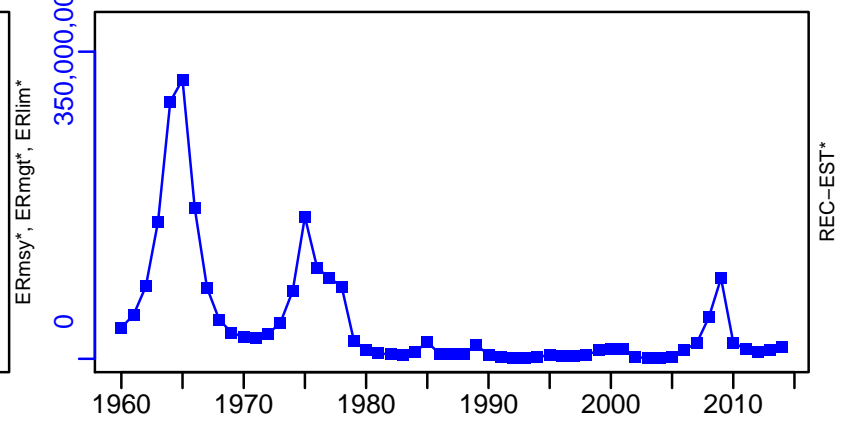
F-1/yr (1960–2015–HIVELY)



ER-ratio (1960–2015–HIVELY)



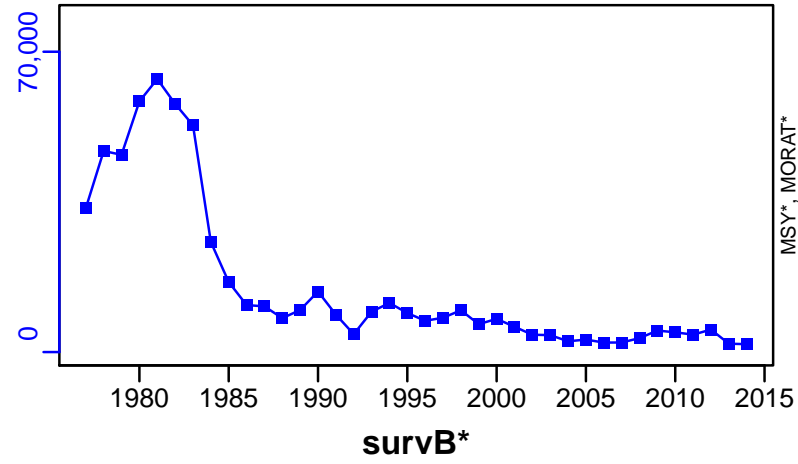
R-E00 (1960–2015–HIVELY)



Greenland turbot Bering Sea and Aleutian Islands [GHALBSAI]

TL-MT, TC*, RecC* (1960–2015–HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*



Giant Pacific octopus Bering Sea and Aleutian Islands [GPOCTOBSAI]

Metadata	
Scientific Name	Enteroctopus dofleini
Current Assess ID	AFSC-GPOCTOBSAI-1997-2014-SISIMP2016
Area	Bering Sea and Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2014

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2014	422		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Giant Pacific octopus Bering Sea and Aleutian Islands [GPOCTOBSAI]

Kobe MSY*



Kobe MGT*



Spawner Recruit*



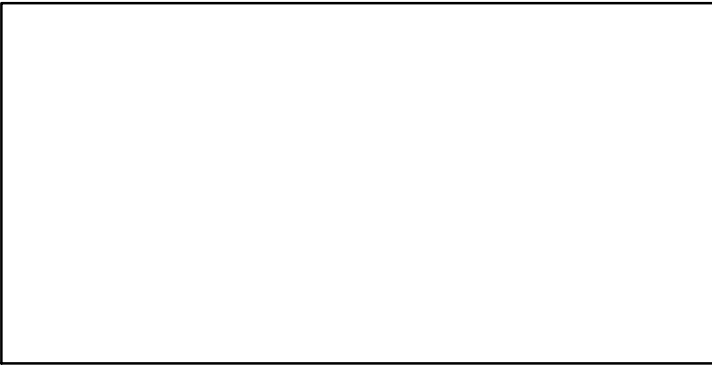
Production*



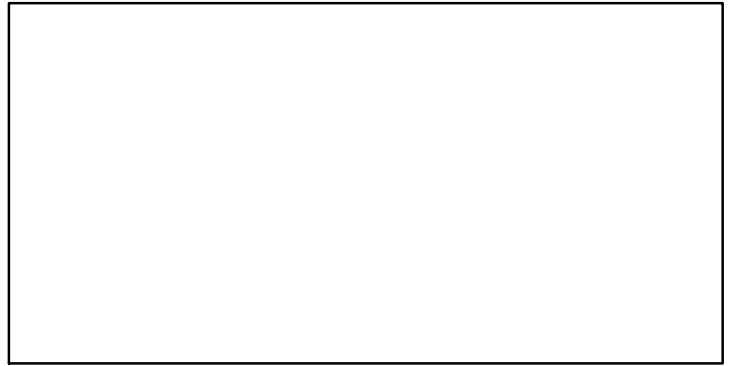
◆ Start Year ◆ End Year * No Data

Giant Pacific octopus Bering Sea and Aleutian Islands [GPOCTOBSAI]

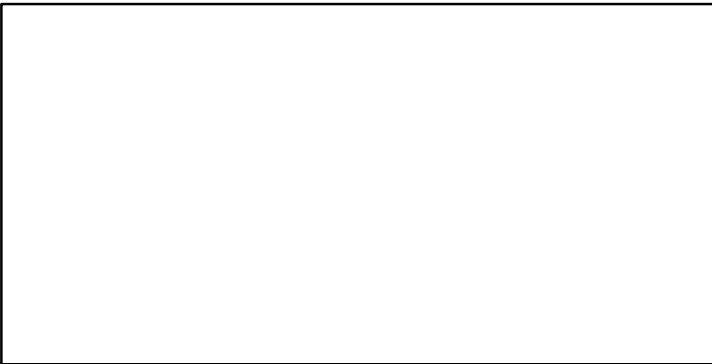
TB*



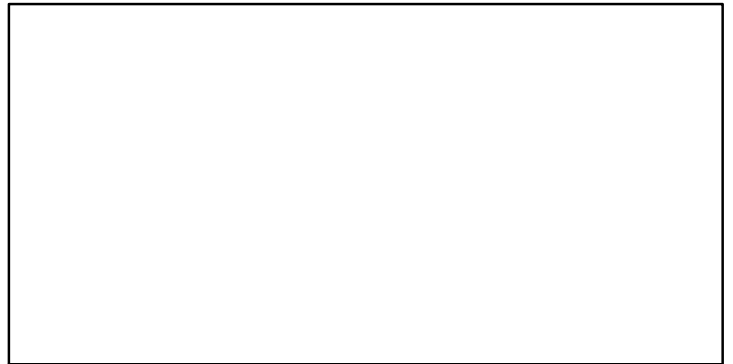
SSB*



TN *



F*



ER*



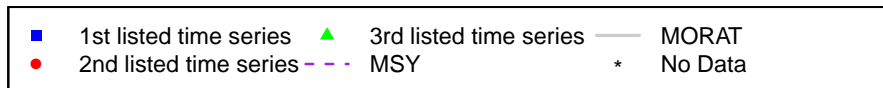
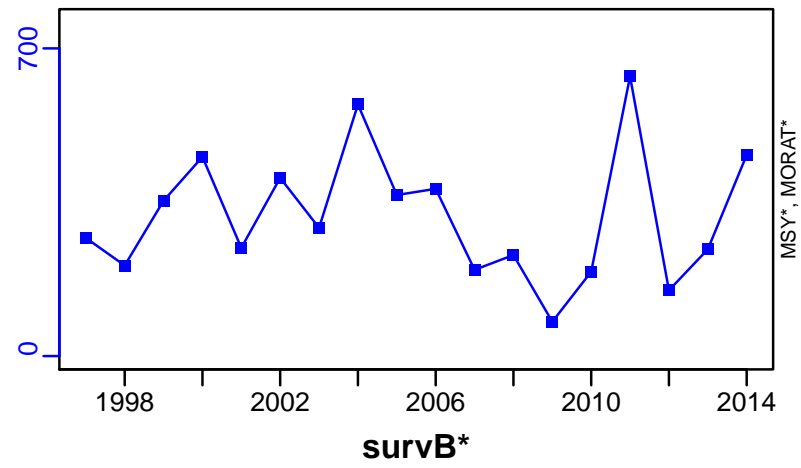
Recruits*



Giant Pacific octopus Bering Sea and Aleutian Islands [GPOCTOBSAI]

TC-MT, TL*, RecC* (1997-2014-SISIMP2016)

TAC*, Cpair*, Cadv*

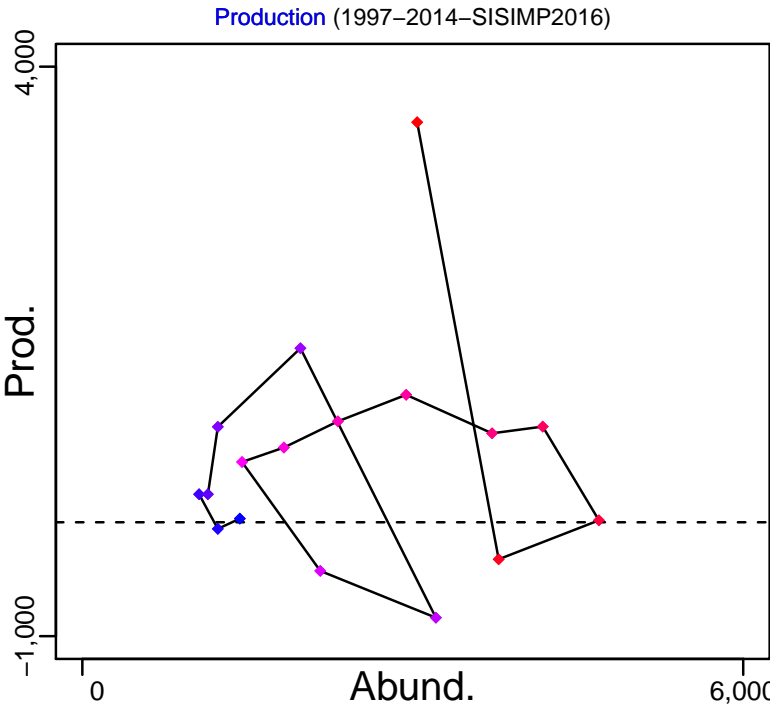


Giant Pacific octopus Gulf of Alaska [GPOCTOGA]

Metadata	
Scientific Name	Enteroctopus dofleini
Current Assess ID	AFSC-GPOCTOGA-1997-2014-SISIMP2016
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2014

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	12,300	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	1300		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

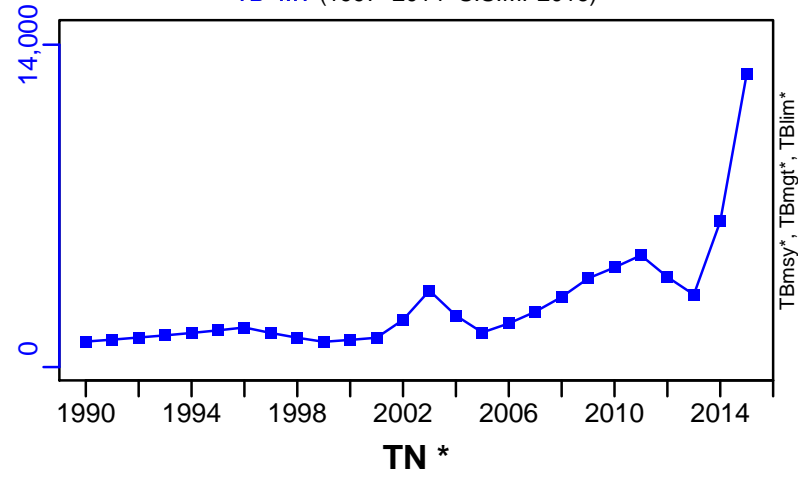


◆ Start Year ◆ End Year * No Data

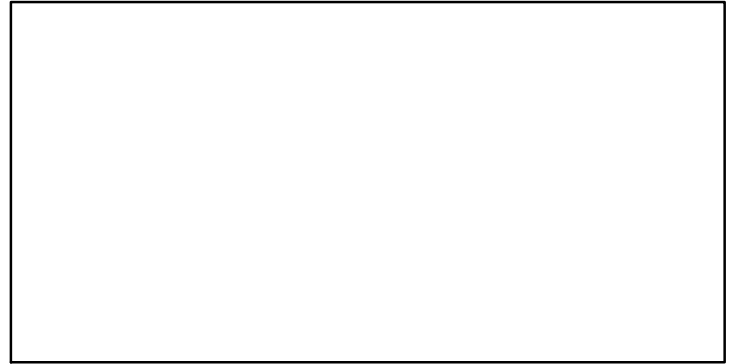
Giant Pacific octopus Gulf of Alaska [GPOCTOGA]

TB-MT (1997–2014–SISIMP2016)

SSB*

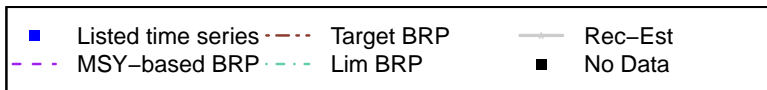
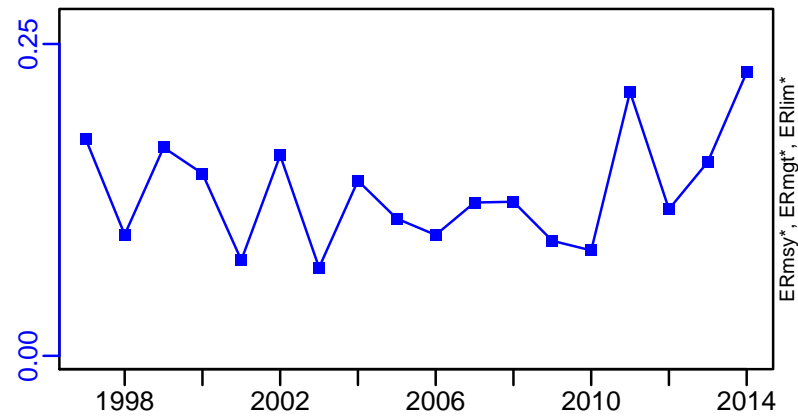


F*



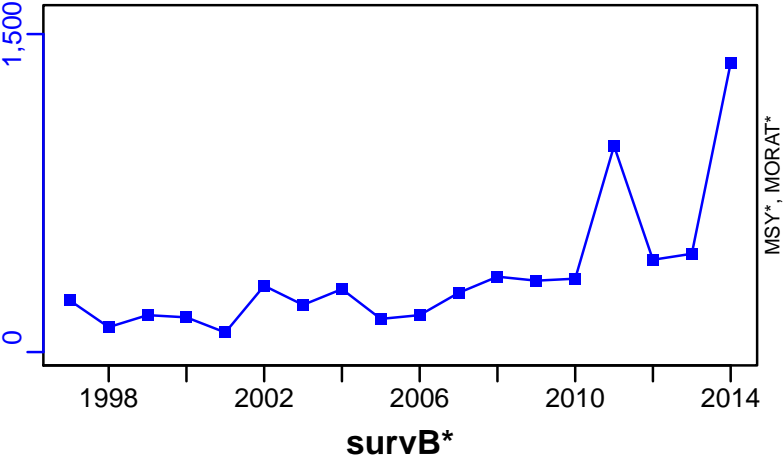
ER-calc-ratio (1997–2014–SISIMP2016)

Recruits*



Giant Pacific octopus Gulf of Alaska [GPOCTOGA]

TC-MT, TL*, RecC* (1997-2014-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Pacific herring Prince William Sound [HERRPWS]

Metadata	
Scientific Name	Clupea pallasii
Current Assess ID	ADFG-HERRPWS-1980-2006-COLLIE
Area	Prince William Sound
Management Authority	State of Alaska
Assessor	Alaska Department of Fish and Game
Asmts in RAM	2006

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2006	0.25
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2006	9500	-	3+
SSB	SSB-MT	2006	9500	Both	3+
TN	-	-	-	-	-
R	R-E00	2006	30,300,000	-	3
F	F-1/yr	2006	0	Both	3+
ER	-	-	-	-	-
TC	TC-E00	2006	0		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

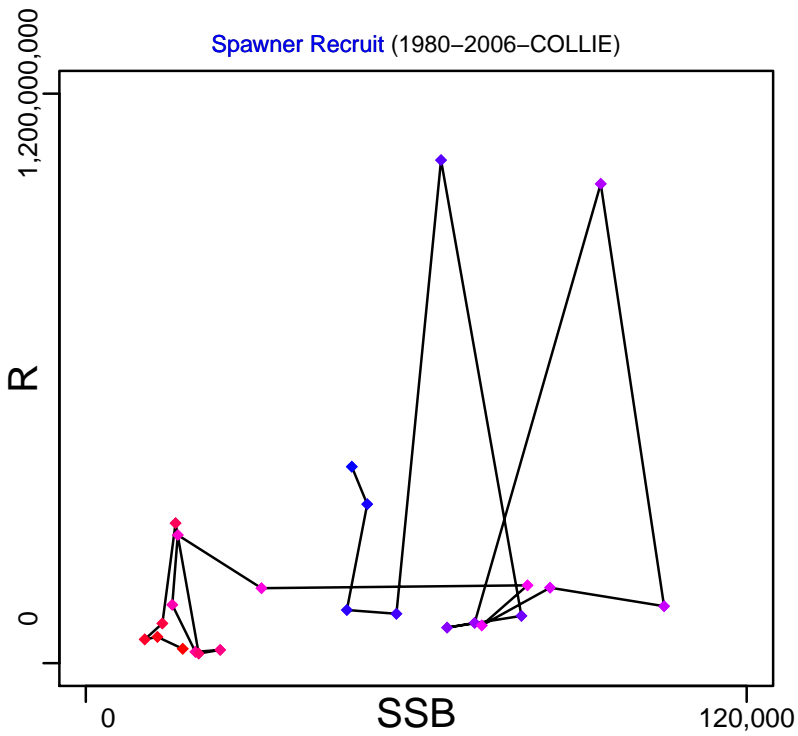
Kobe MSY*



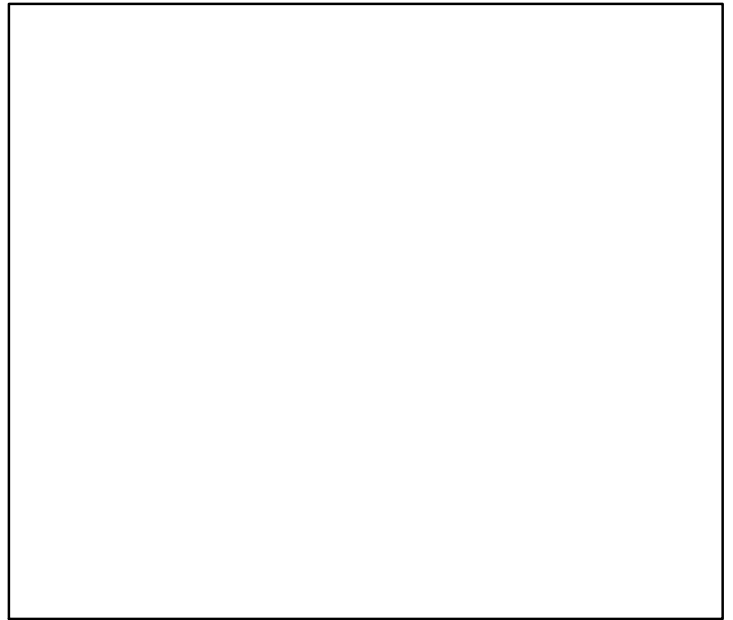
Kobe MGT*



Spawner Recruit (1980–2006–COLLIE)



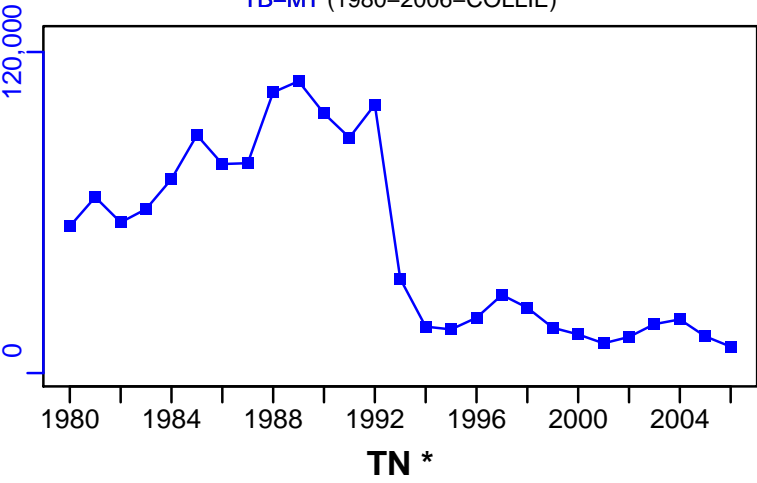
Production*



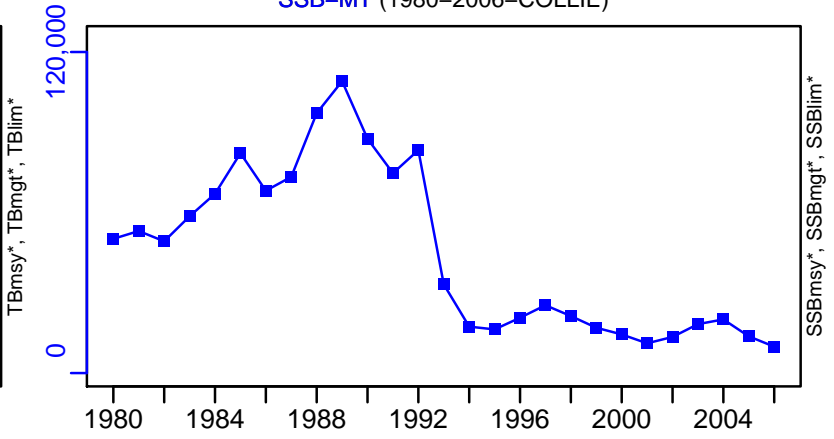
◆ Start Year ◆ End Year * No Data

Pacific herring Prince William Sound [HERRPWS]

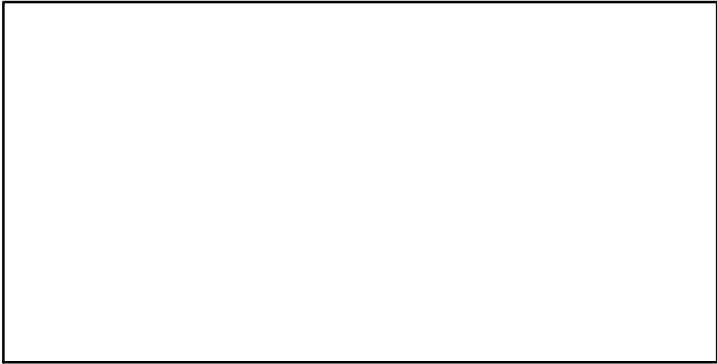
TB-MT (1980-2006-COLLIE)



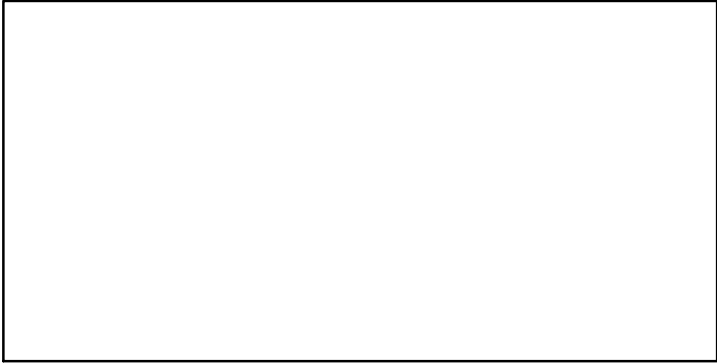
SSB-MT (1980-2006-COLLIE)



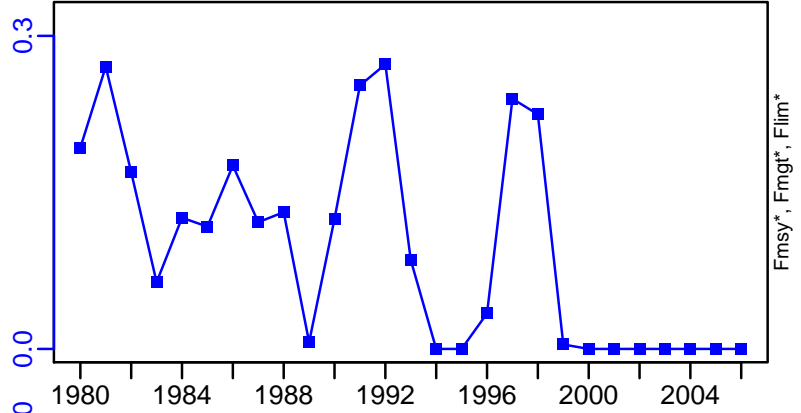
TN *



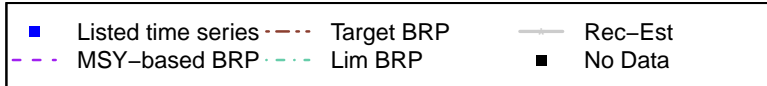
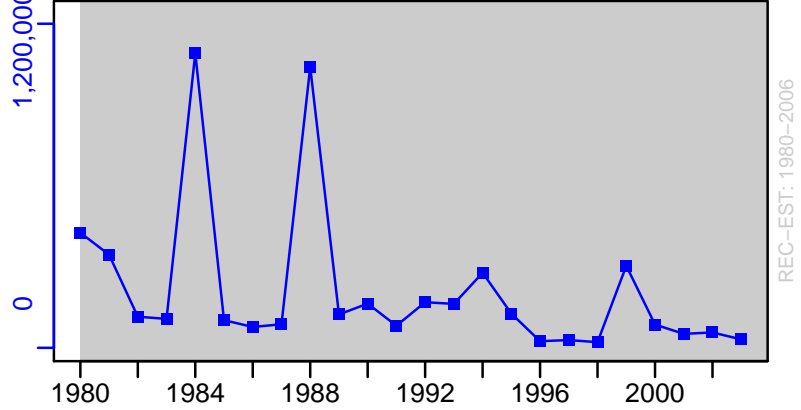
ER*



F-1/yr (1980-2006-COLLIE)



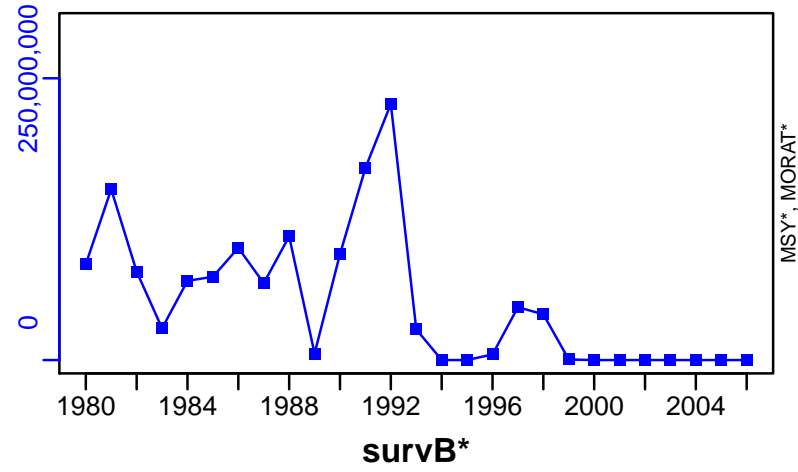
R-E00 (1980-2006-COLLIE)



Pacific herring Prince William Sound [HERRPWS]

TC-E00, TL*, RecC* (1980-2006-COLLIE)

TAC*, Cpair*, Cadv*



EFFORT*



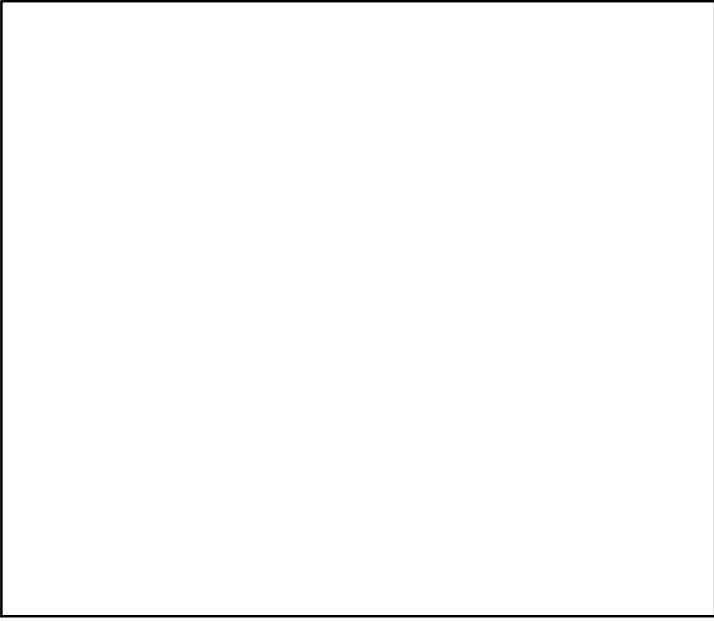
Pacific herring Sitka [HERRSITKA]

Metadata	
Scientific Name	Clupea pallasii
Current Assess ID	ADFG-HERRSITKA-1978-2007-COLLIE
Area	Sitka
Management Authority	State of Alaska
Assessor	Alaska Department of Fish and Game
Asmts in RAM	2007

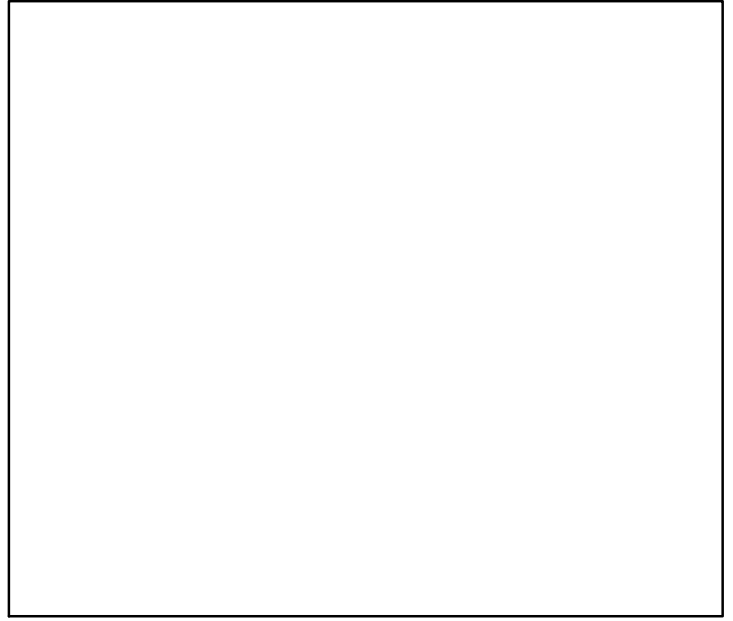
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2007	0.2
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2007	98,400	-	3+
SSB	SSB-MT	2007	82,900	Both	3+
TN	-	-	-	-	-
R	R-E00	2007	1.14×10^8	-	3
F	F-1/yr	2007	0	Both	3+
ER	-	-	-	-	-
TC	TC-E00	2007	69,600,000		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

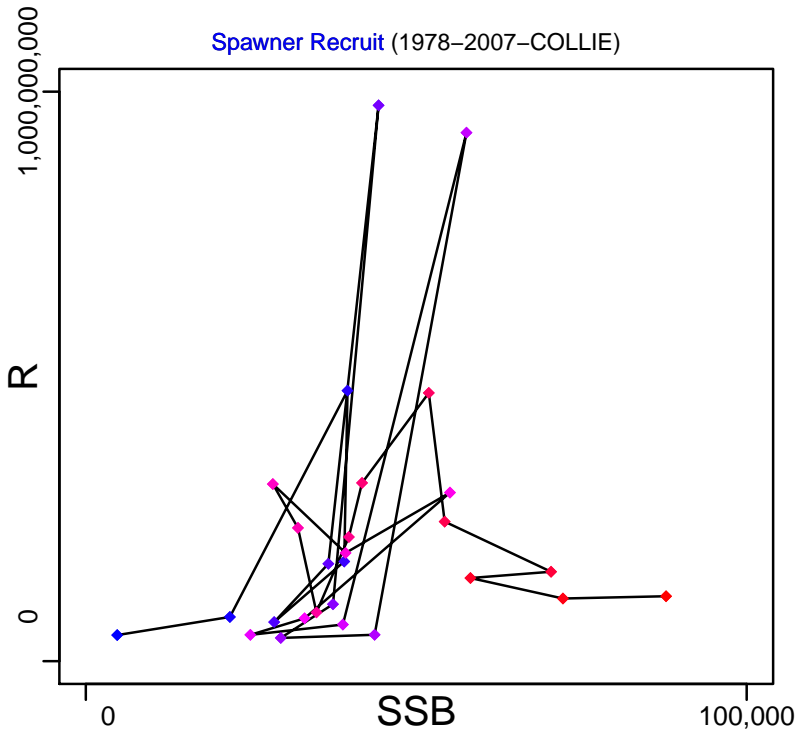
Kobe MSY*



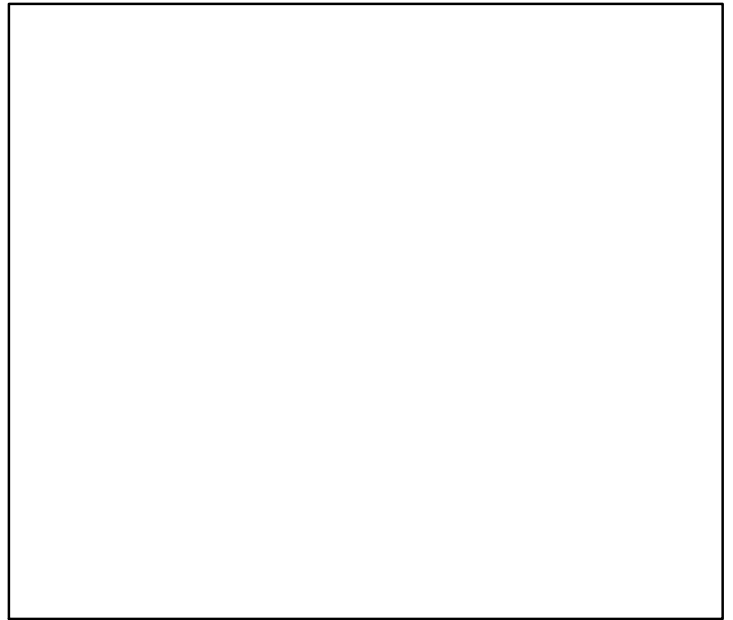
Kobe MGT*



Spawner Recruit (1978–2007–COLLIE)



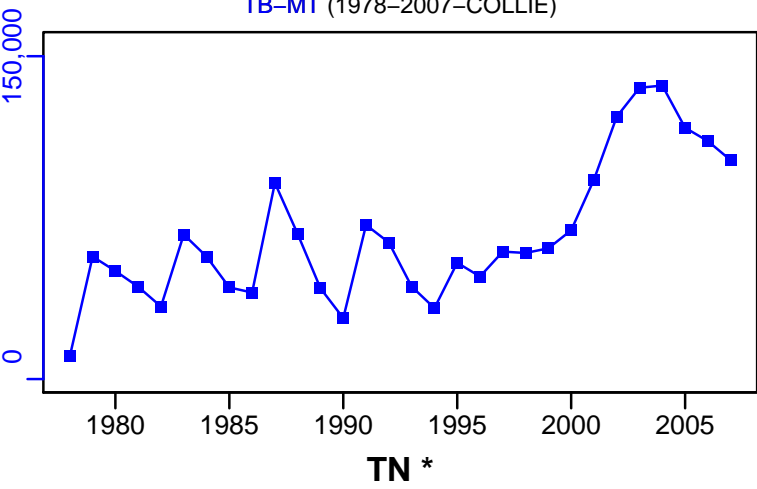
Production*



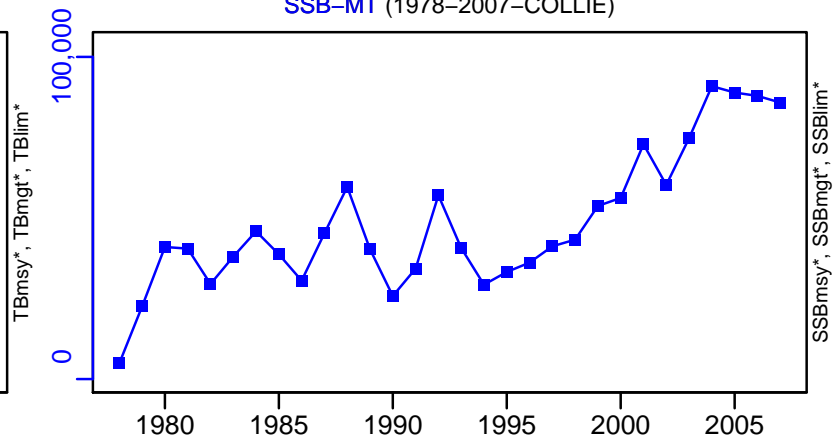
◆ Start Year ◆ End Year * No Data

Pacific herring Sitka [HERRSITKA]

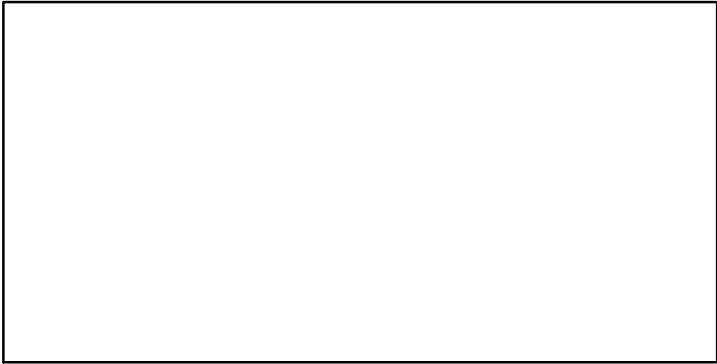
TB-MT (1978-2007-COLLIE)



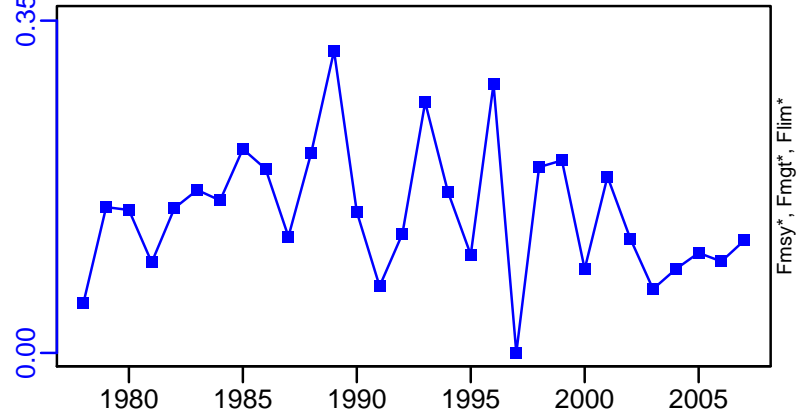
SSB-MT (1978-2007-COLLIE)



TN *



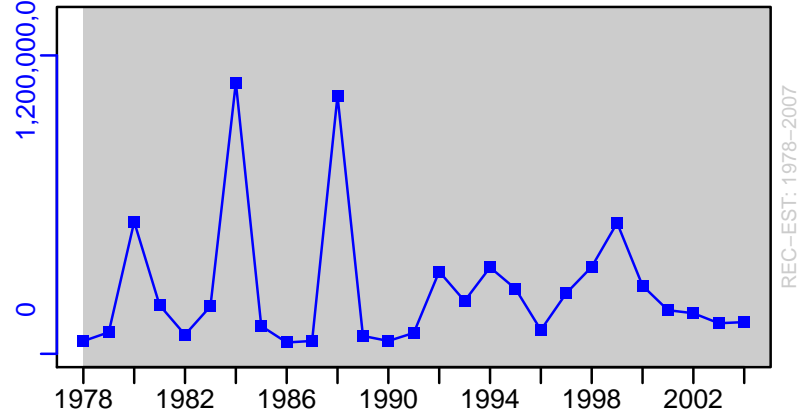
F-1/yr (1978-2007-COLLIE)



ER*



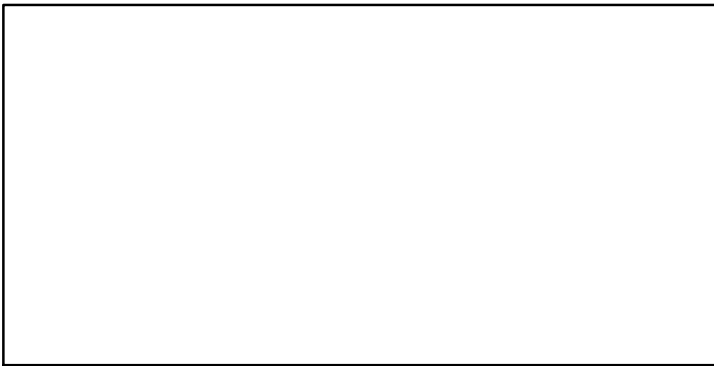
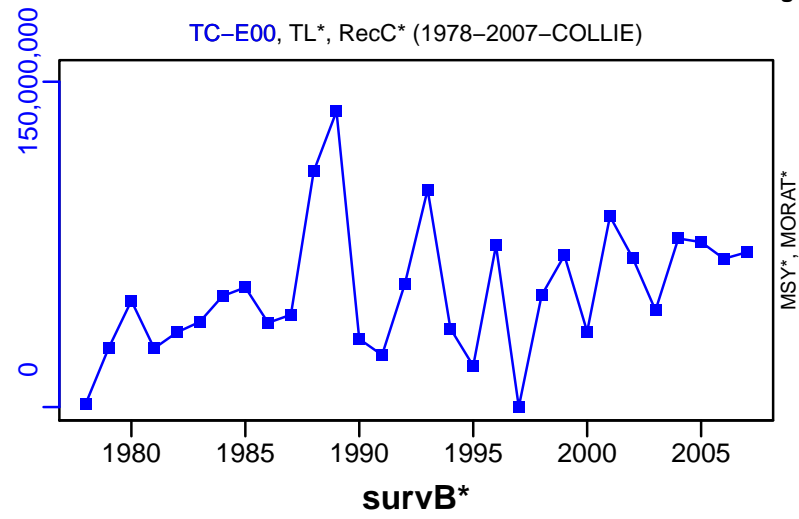
R-E00 (1978-2007-COLLIE)



Pacific herring Sitka [HERRSITKA]

TC-E00, TL*, RecC* (1978-2007-COLLIE)

TAC*, Cpair*, Cadv*



Herring Togiak District [HERRTOG]

Metadata	
Scientific Name	Clupea pallasii
Current Assess ID	ADFG-HERRTOG-1990-2010-HIVELY
Area	Togiak District
Management Authority	State of Alaska
Assessor	Alaska Department of Fish and Game
Asmts in RAM	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-MT	2010	133,000	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2010	0	-	-
TC	TC-MT	2010	23,900		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Herring Togiak District [HERRTOG]

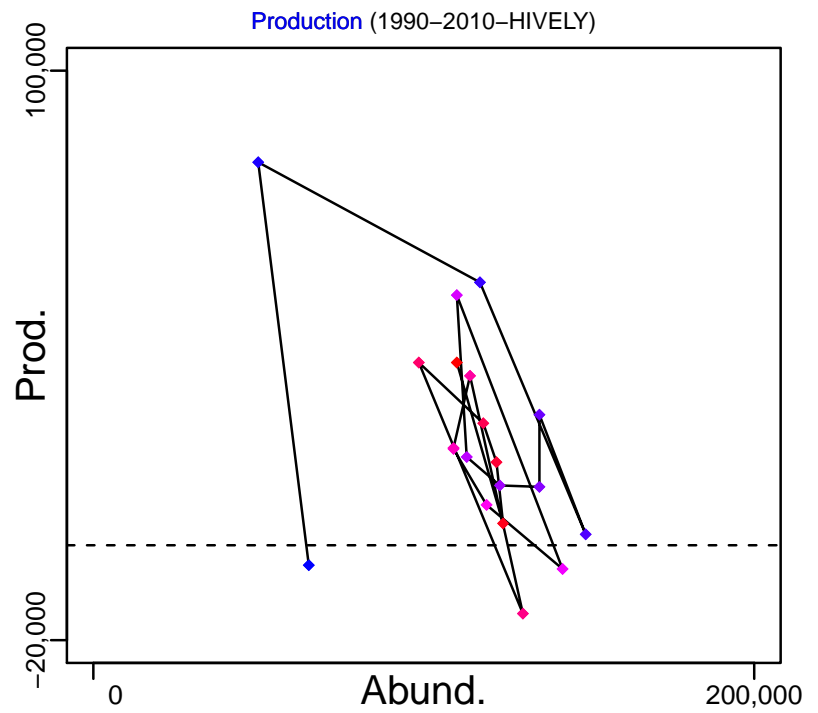
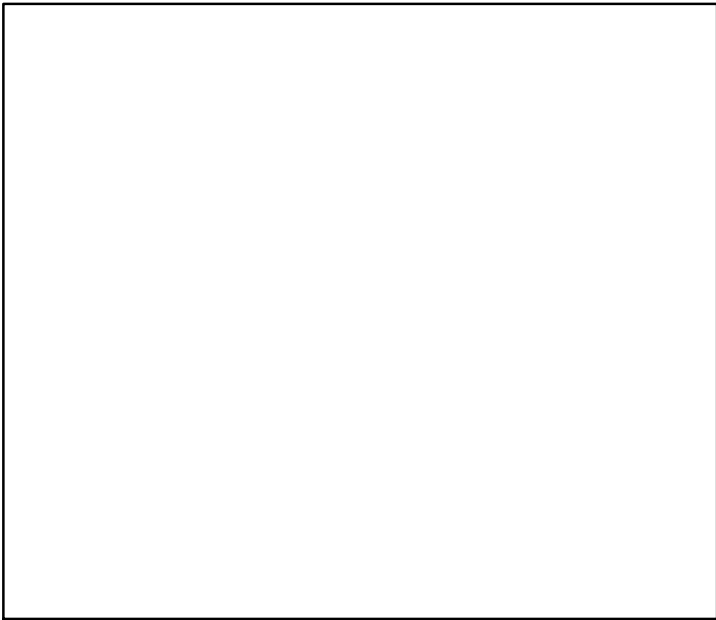
Kobe MSY*



Kobe MGT*



Spawner Recruit*

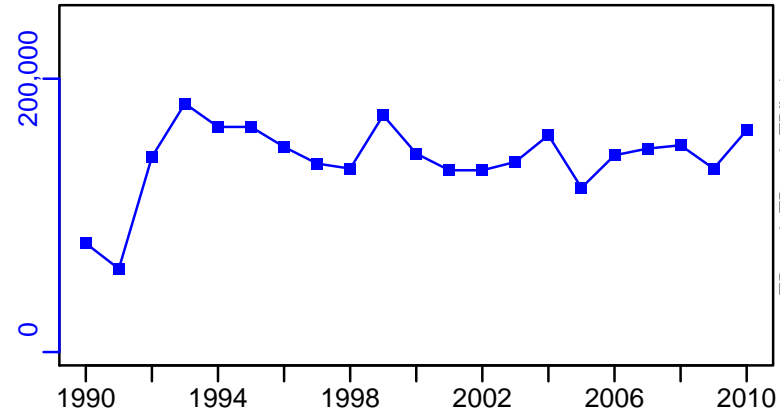


◆ Start Year ◆ End Year * No Data

Herring Togiak District [HERRTOG]

TB-MT (1990-2010-HIVELY)

SSB*



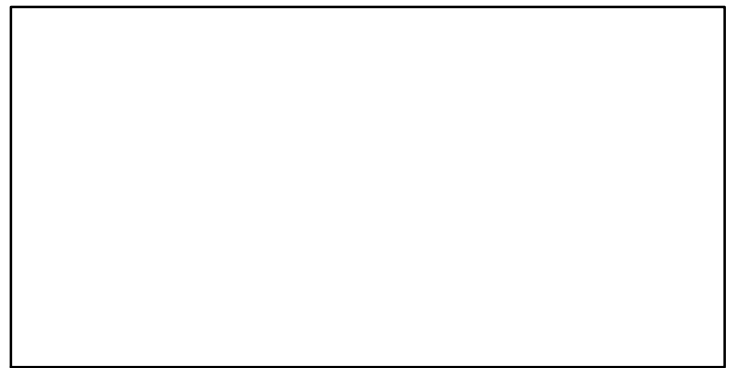
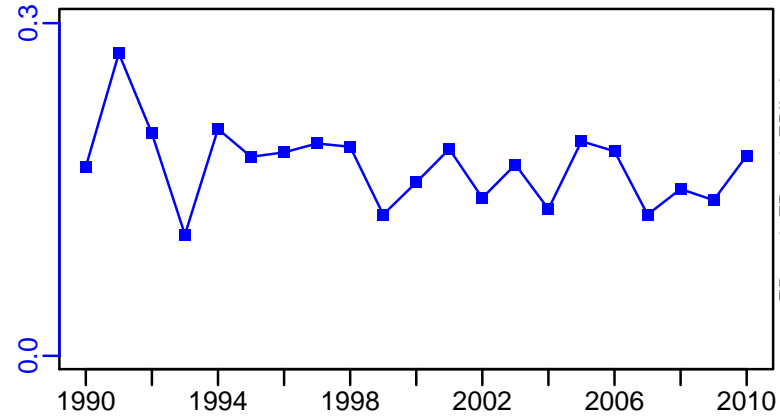
TN *

F*



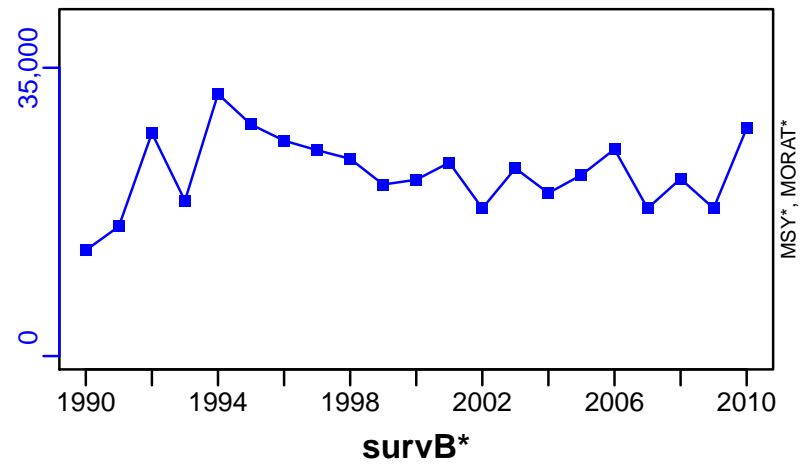
ER-ratio (1990-2010-HIVELY)

Recruits*



Herring Togiak District [HERRTOG]

TC-MT, TL*, RecC* (1990-2010-HIVELY)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Kamchatka flounder Bering Sea and Aleutian Islands [KMFLOUNBSAI]

Metadata	
Scientific Name	Atheresthes evermanni
Current Assess ID	AFSC-KMFLOUNBSAI-1991-2015-SISIMP2016
Area	Bering Sea and Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	46,400
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	2015	168,000	Both	2+
SSB	SSB-MT	2015	61,700	Females	10+
TN	-	-	-	-	-
R	R-E00	2015	19,200,000	-	1
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	6460		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.33		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*

Kobe MGT*



Spawner Recruit (1991-2015-SISIMP2016)

The graph displays the relationship between Spawner Stock (SSB) on the x-axis and Recruit (R) on the y-axis. The x-axis ranges from 0 to 70,000, and the y-axis ranges from 0 to 70,000,000. The data points are connected by a black line, showing a highly variable relationship. The data points are marked with blue diamonds, purple diamonds, and red diamonds.

SSB (approx.)	R (approx.)	Marker Color
12,000	10,000,000	Blue
14,000	5,000,000	Blue
16,000	2,000,000	Blue
18,000	5,000,000	Blue
20,000	10,000,000	Blue
22,000	15,000,000	Blue
24,000	20,000,000	Blue
26,000	18,000,000	Purple
28,000	20,000,000	Purple
30,000	10,000,000	Purple
32,000	15,000,000	Purple
34,000	30,000,000	Purple
36,000	70,000,000	Purple
38,000	10,000,000	Purple
40,000	15,000,000	Purple
42,000	18,000,000	Purple
44,000	20,000,000	Purple
46,000	22,000,000	Purple
48,000	25,000,000	Purple
50,000	28,000,000	Purple
52,000	30,000,000	Purple
54,000	32,000,000	Purple
56,000	35,000,000	Purple
58,000	38,000,000	Purple
60,000	40,000,000	Purple
62,000	42,000,000	Purple
64,000	45,000,000	Purple
66,000	48,000,000	Purple
68,000	50,000,000	Purple
70,000	52,000,000	Purple
72,000	55,000,000	Purple
74,000	58,000,000	Purple
76,000	60,000,000	Purple
78,000	62,000,000	Purple
80,000	65,000,000	Purple
82,000	68,000,000	Purple
84,000	70,000,000	Purple
86,000	72,000,000	Purple
88,000	75,000,000	Purple
90,000	78,000,000	Purple
92,000	80,000,000	Purple
94,000	82,000,000	Purple
96,000	85,000,000	Purple
98,000	88,000,000	Purple
100,000	90,000,000	Purple
102,000	92,000,000	Purple
104,000	95,000,000	Purple
106,000	98,000,000	Purple
108,000	100,000,000	Purple
110,000	102,000,000	Purple
112,000	105,000,000	Purple
114,000	108,000,000	Purple
116,000	110,000,000	Purple
118,000	112,000,000	Purple
120,000	115,000,000	Purple
122,000	118,000,000	Purple
124,000	120,000,000	Purple
126,000	122,000,000	Purple
128,000	125,000,000	Purple
130,000	128,000,000	Purple
132,000	130,000,000	Purple
134,000	132,000,000	Purple
136,000	135,000,000	Purple
138,000	138,000,000	Purple
140,000	140,000,000	Purple
142,000	142,000,000	Purple
144,000	145,000,000	Purple
146,000	148,000,000	Purple
148,000	150,000,000	Purple
150,000	152,000,000	Purple
152,000	155,000,000	Purple
154,000	158,000,000	Purple
156,000	160,000,000	Purple
158,000	162,000,000	Purple
160,000	165,000,000	Purple
162,000	168,000,000	Purple
164,000	170,000,000	Purple
166,000	172,000,000	Purple
168,000	175,000,000	Purple
170,000	178,000,000	Purple
172,000	180,000,000	Purple
174,000	182,000,000	Purple
176,000	185,000,000	Purple
178,000	188,000,000	Purple
180,000	190,000,000	Purple
182,000	192,000,000	Purple
184,000	195,000,000	Purple
186,000	198,000,000</	

Production (1991-2015-SISIMP2016)

Prod.

15,000

0

Abund.

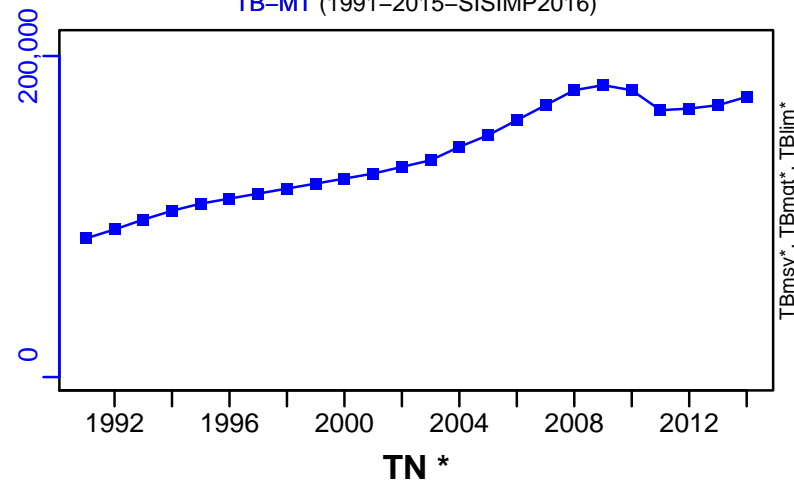
0

200,000

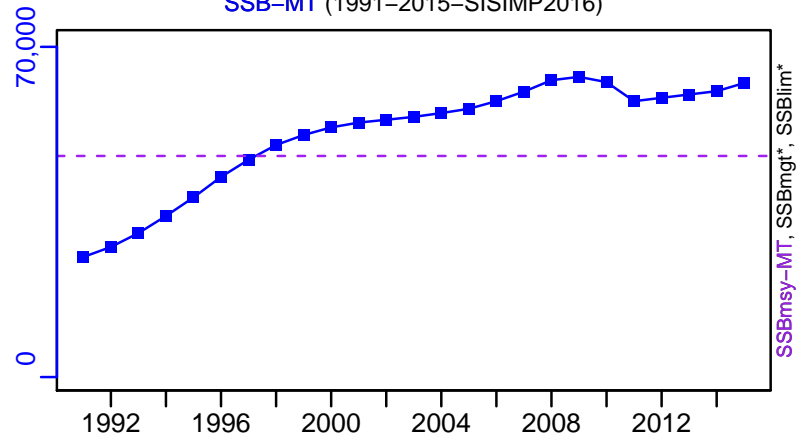
◆ Start Year ◆ End Year * No Data

Kamchatka flounder Bering Sea and Aleutian Islands [KMFLOUNBSAI]

TB-MT (1991–2015–SISIMP2016)

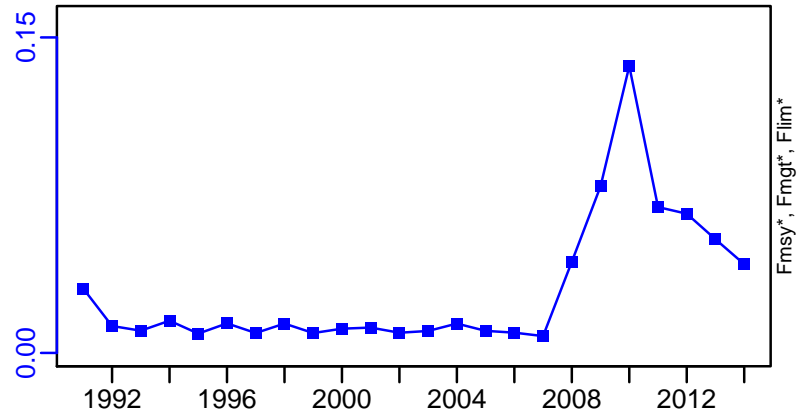


SSB-MT (1991–2015–SISIMP2016)

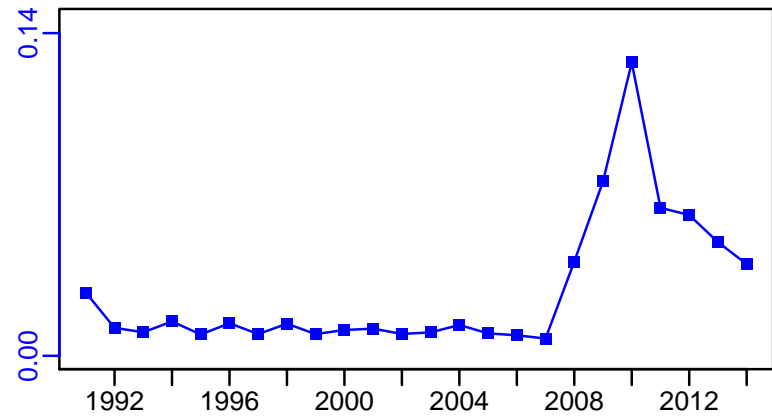


TN *

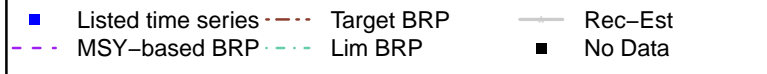
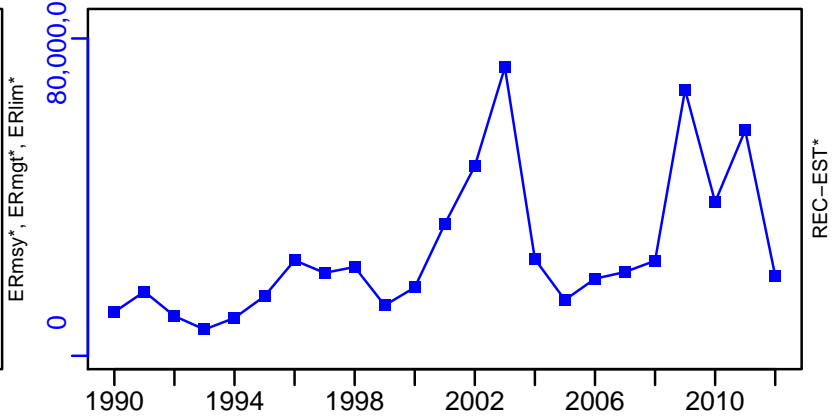
F-1/yr (1991–2015–SISIMP2016)



ER-calc-ratio (1991–2015–SISIMP2016)



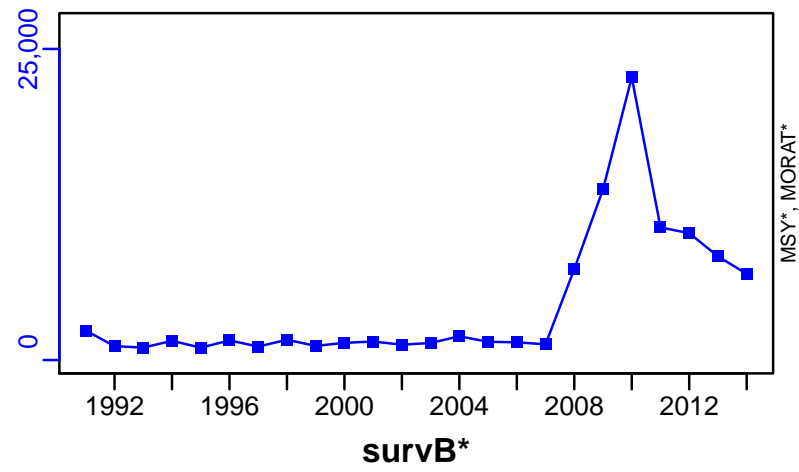
R-E00 (1991–2015–SISIMP2016)



Kamchatka flounder Bering Sea and Aleutian Islands [KMFLOUNBSAI]

TC-MT, TL*, RecC* (1991-2015-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Northern rockfish Bering Sea and Aleutian Islands [NROCKBSAI]

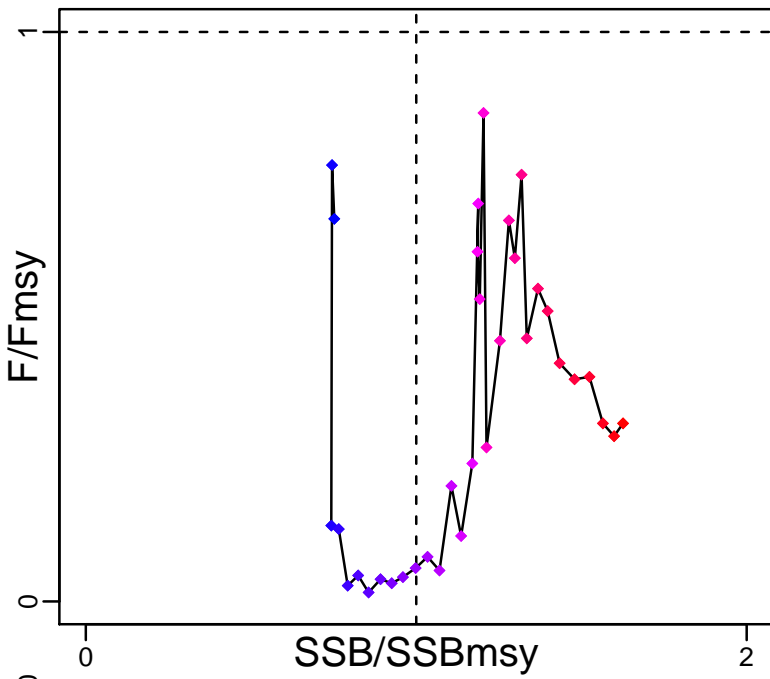
Metadata	
Scientific Name	Sebastes polyspinis
Current Assess ID	AFSC-NROCKBSAI-1977-2015-SISIMP2016
Area	Bering Sea and Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2011, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	50,547
Fmsy	Fmsy-pr-1/yr	2011	0.07
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.04
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

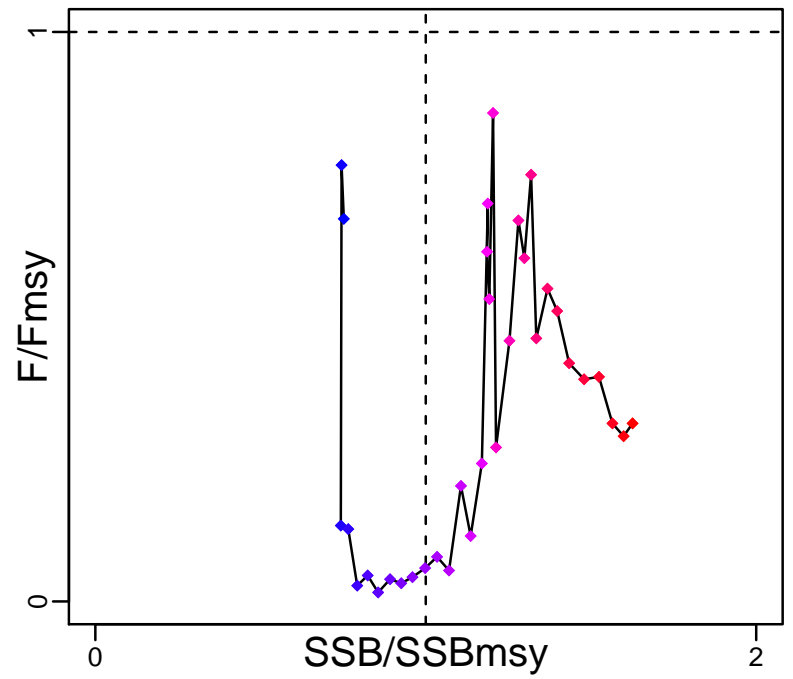
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	220,000	-	3+
SSB	SSB-MT	2015	95,600	Females	8.2+
TN	-	-	-	-	-
R	R-E00	2015	40,400,000	-	3
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	2340		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.89		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2011	0.31		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Northern rockfish Bering Sea and Aleutian Islands [NROCKBSAI]

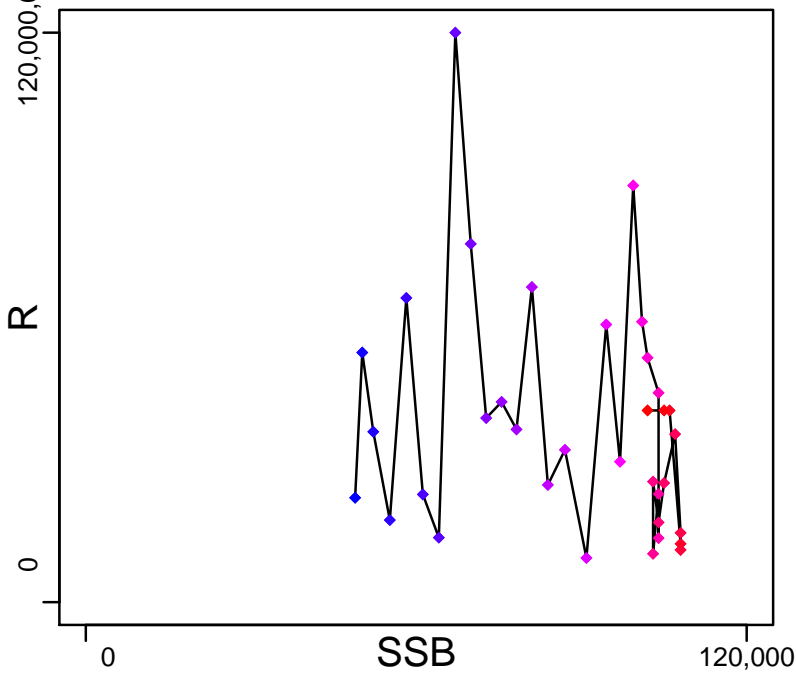
Kobe MSYpref (1974–2011–STACHURA)



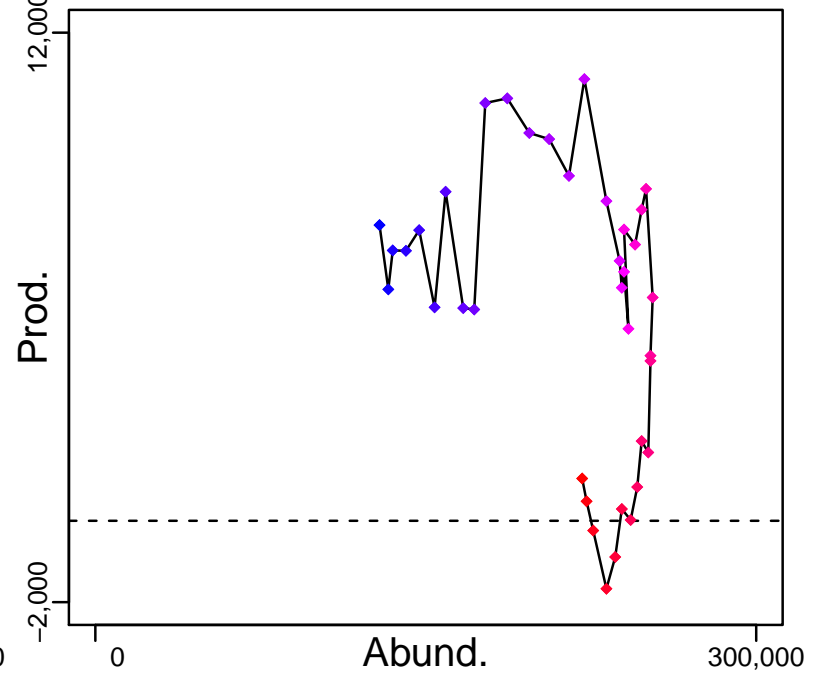
Kobe MGTpref (1974–2011–STACHURA)



Spawner Recruit (1977–2015–SISIMP2016)



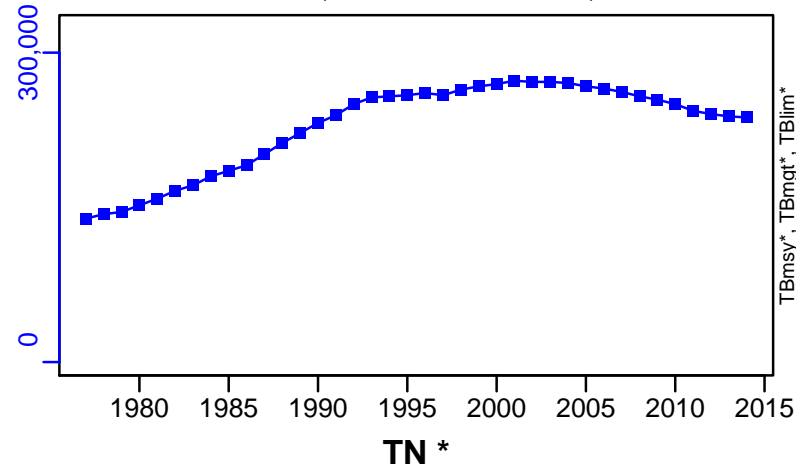
Production (1977–2015–SISIMP2016)



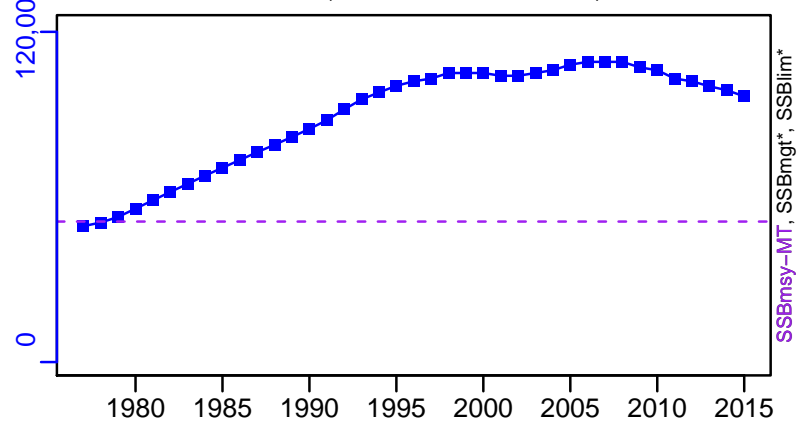
◆ Start Year ◆ End Year * No Data

Northern rockfish Bering Sea and Aleutian Islands [NROCKBSAI]

TB-MT (1977-2015-SISIMP2016)



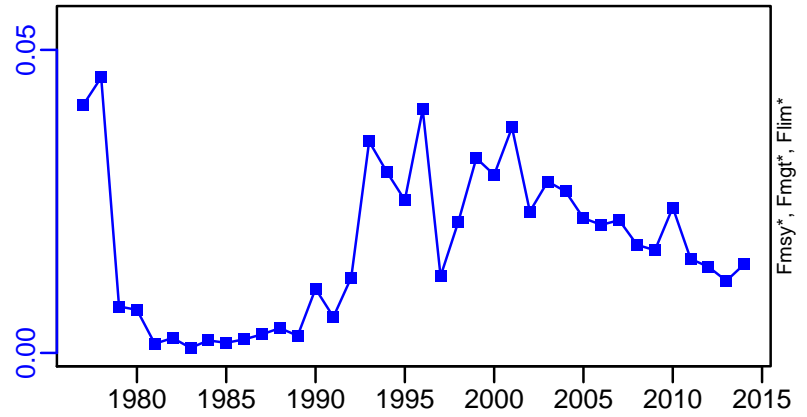
SSB-MT (1977-2015-SISIMP2016)



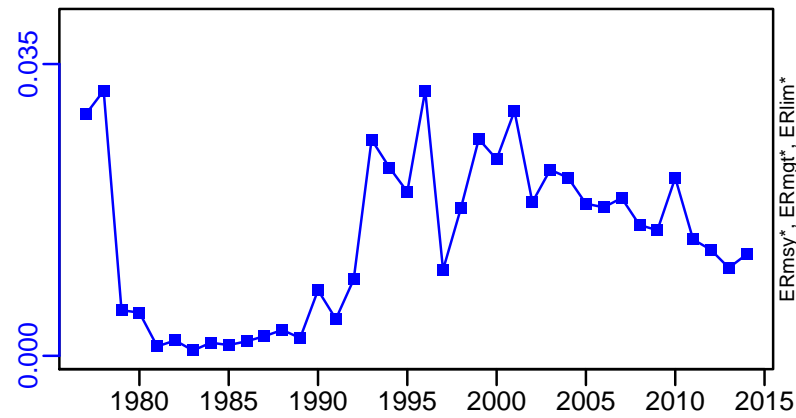
TN *



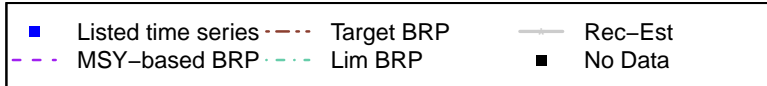
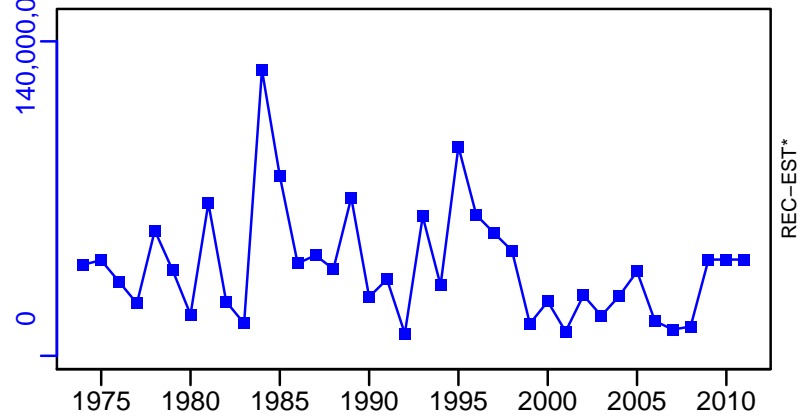
F-1/yr (1977-2015-SISIMP2016)



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



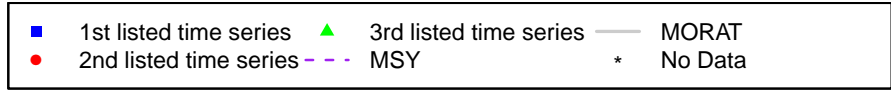
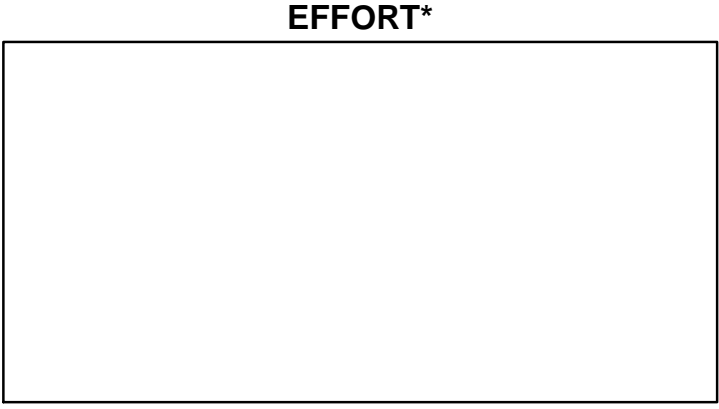
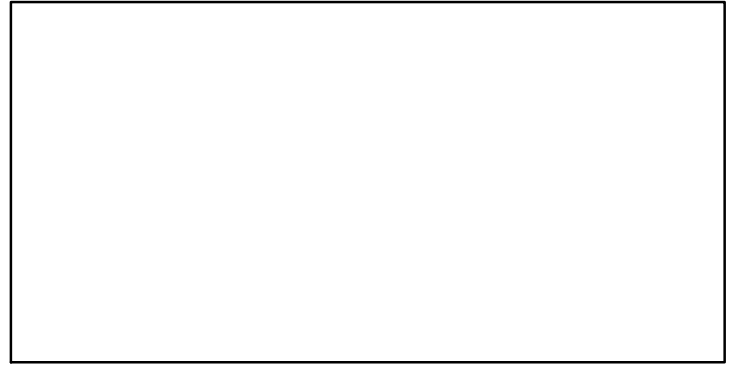
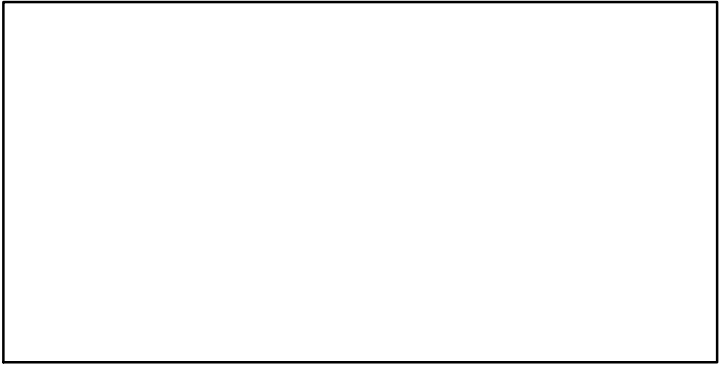
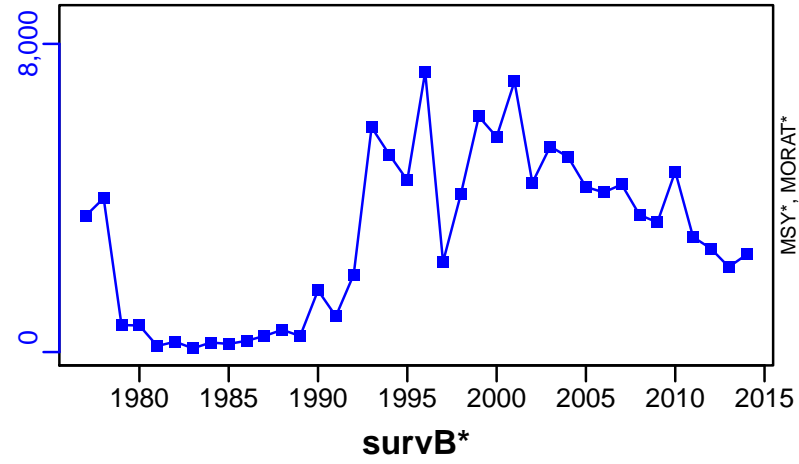
R-E00 (1977-2015-SISIMP2016)



Northern rockfish Bering Sea and Aleutian Islands [NROCKBSAI]

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

TAC*, Cpair*, Cadv*



Northern rockfish Gulf of Alaska [NROCKGA]

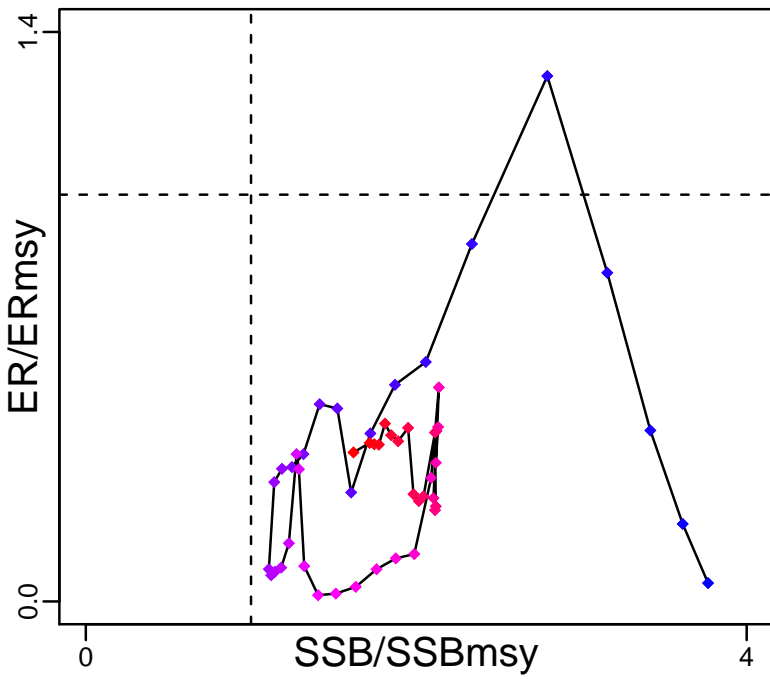
Metadata	
Scientific Name	Sebastes polyspinis
Current Assess ID	AFSC-NROCKGA-1961-2015-SISIMP2016
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2010, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	24,485
Fmsy	Fmsy-pr-1/yr	2010	0.07
ERmsy	ERmsy-ratio	2010	0.09
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2010	6070
M	M-1/yr	2010	0.06
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

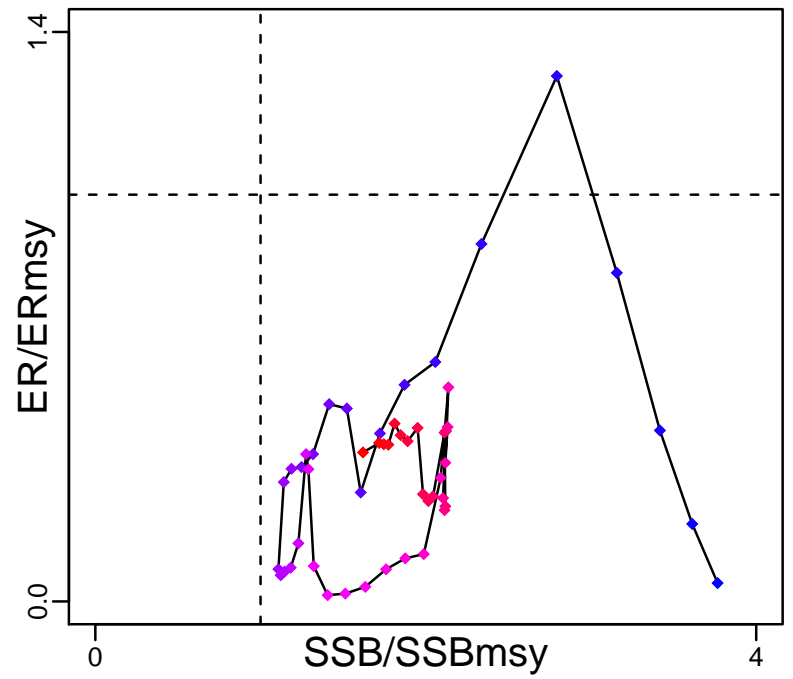
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	81,900	-	2+
SSB	SSB-MT	2015	35,400	Females	11+
TN	-	-	-	-	-
R	R-E00	2015	8,590,000	-	2
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	4270		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.45		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2010	0.6		
ER/ERmsy	ER-ratio/ERmsy-ratio	2010	0.37		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Northern rockfish Gulf of Alaska [NROCKGA]

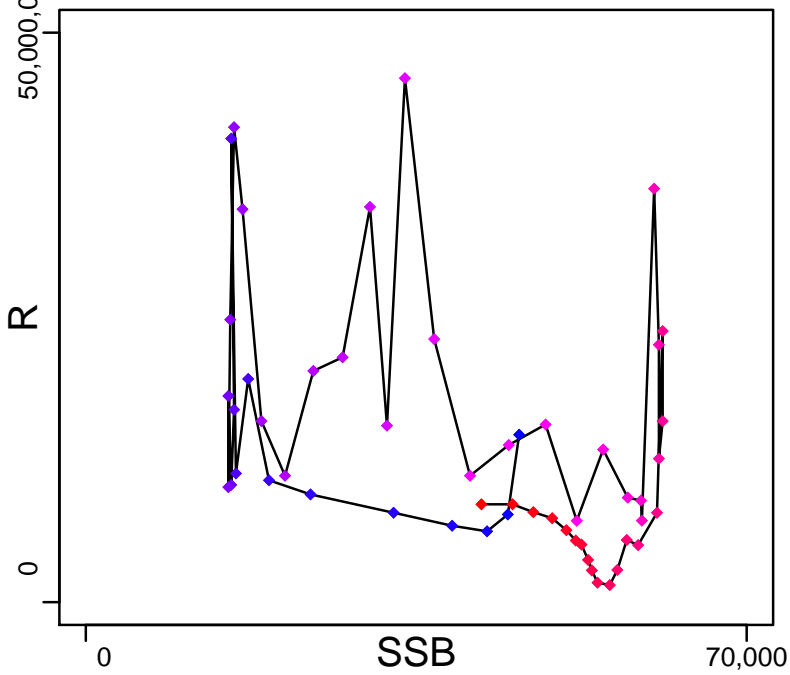
Kobe MSYpref (1959–2010–STACHURA)



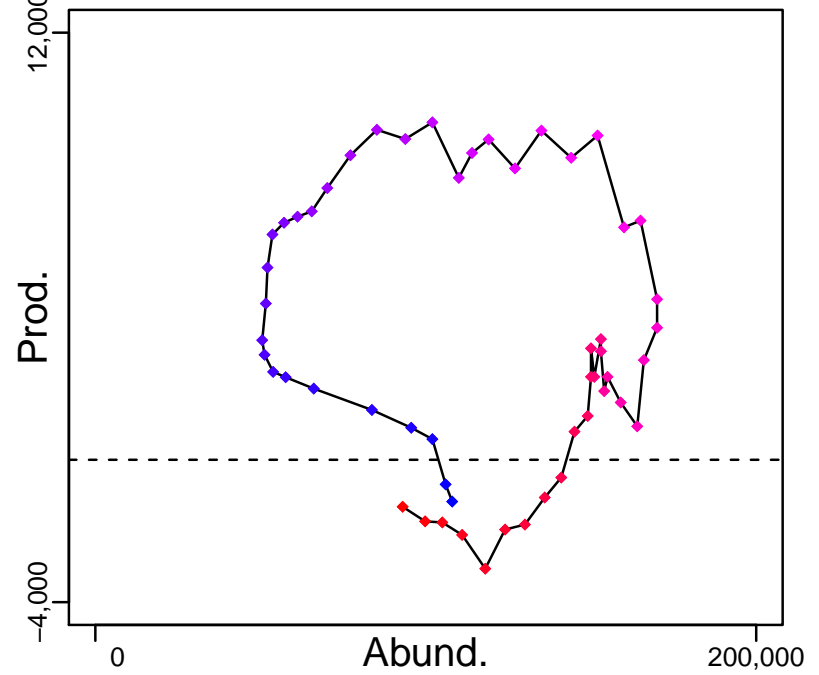
Kobe MGTpref (1959–2010–STACHURA)



Spawner Recruit (1961–2015–SISIMP2016)



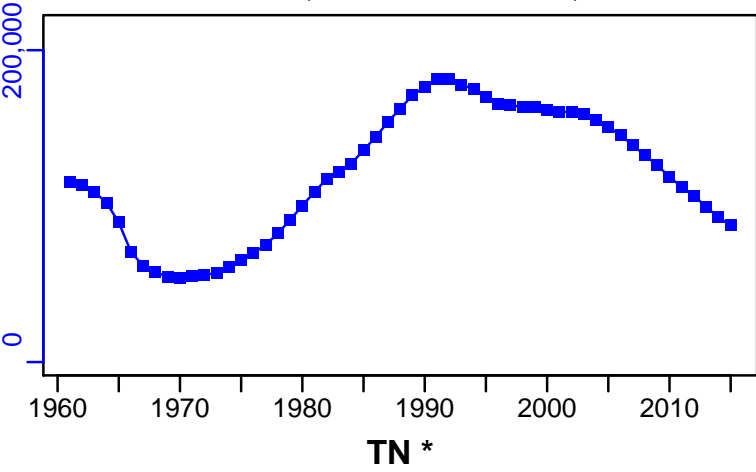
Production (1961–2015–SISIMP2016)



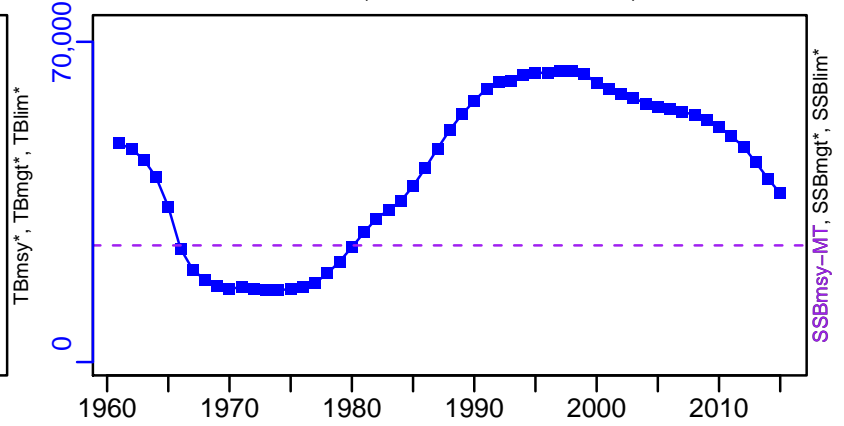
◆ Start Year ◆ End Year * No Data

Northern rockfish Gulf of Alaska [NROCKGA]

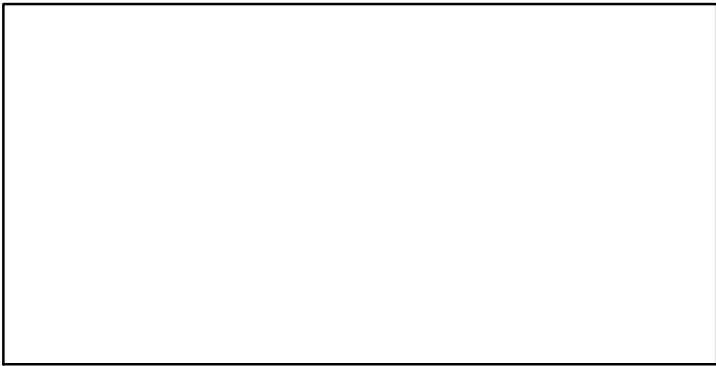
TB-MT (1961–2015–SISIMP2016)



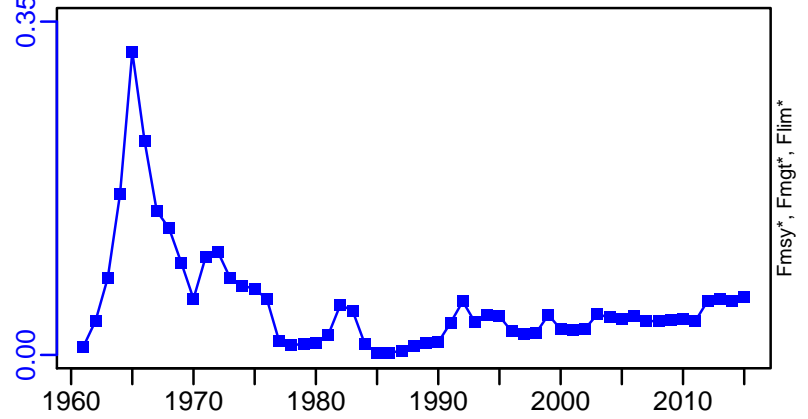
SSB-MT (1961–2015–SISIMP2016)



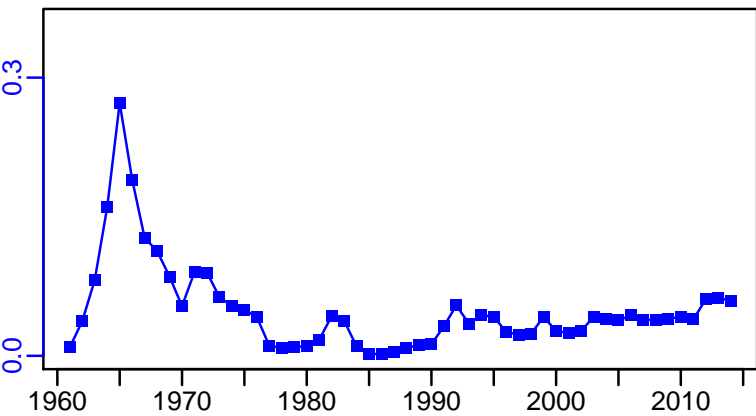
TN *



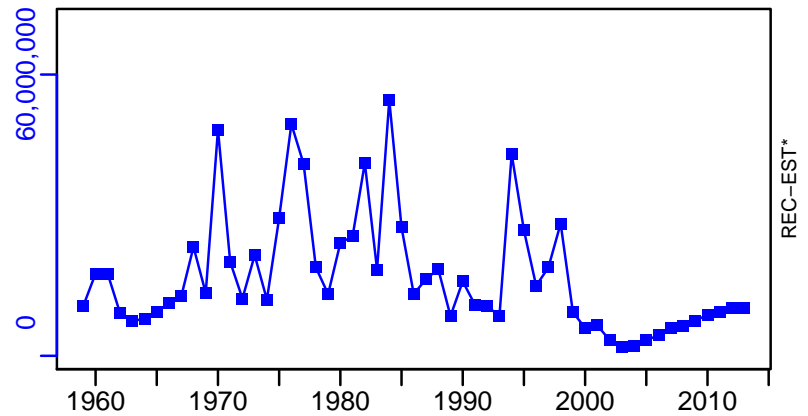
F-1/yr (1961–2015–SISIMP2016)



ER-calc-ratio (1961–2015–SISIMP2016)



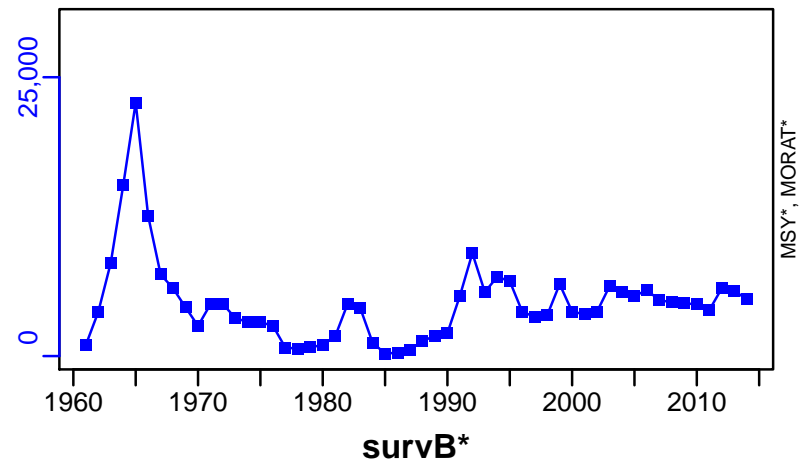
R-E00 (1961–2015–SISIMP2016)



Northern rockfish Gulf of Alaska [NROCKGA]

TC-MT, TL*, RecC* (1961-2015-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Northern rock sole Eastern Bering Sea and Aleutian Islands [NRSOLEEBSAI]

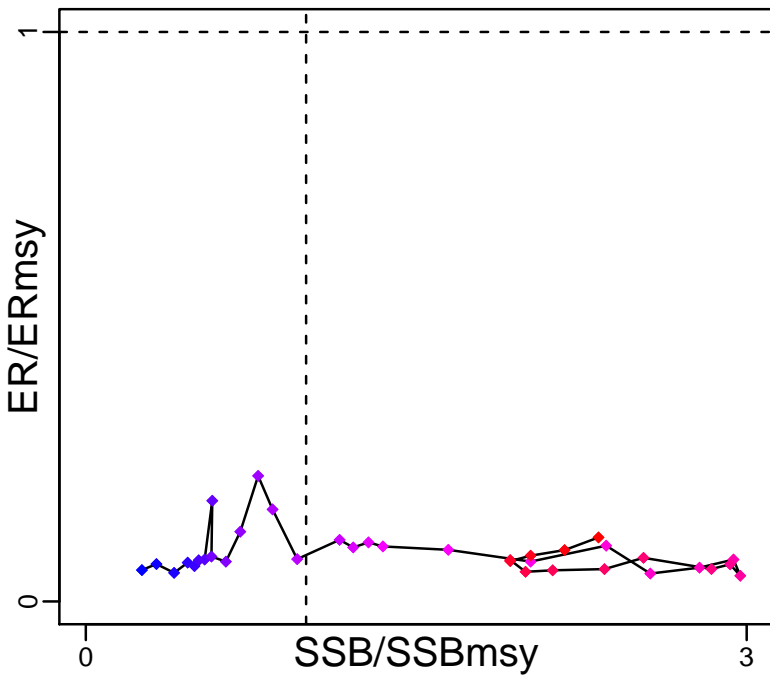
Metadata	
Scientific Name	Lepidopsetta polyxystra
Current Assess ID	AFSC-NRSOLEEBSAI-1975-2015-SISIMP2016
Area	Eastern Bering Sea and Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2012, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	257,000
Fmsy	Fmsy-pr-1/yr	2012	0.16
ERmsy	ERmsy-conv-ratio	2012	0.41
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2012	259,310
M	M-1/yr	2012	0.18
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

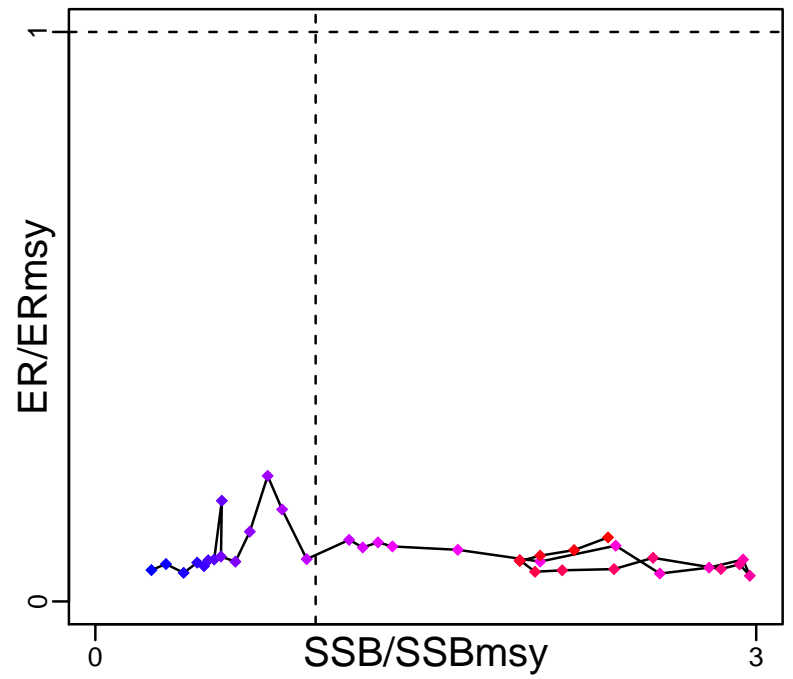
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	1,270,000	-	2+
SSB	SSB-MT	2015	611,000	Females	7.8+
TN	-	-	-	-	-
R	R-E00	2015	1,210,000	-	1
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	51,900		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	2.38		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2012	0.37		
ER/ERmsy	ER-calc-ratio/ERmsy-conv-ratio	2012	0.11		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Northern rock sole Eastern Bering Sea and Aleutian Islands [NRSOLEEBSAI]

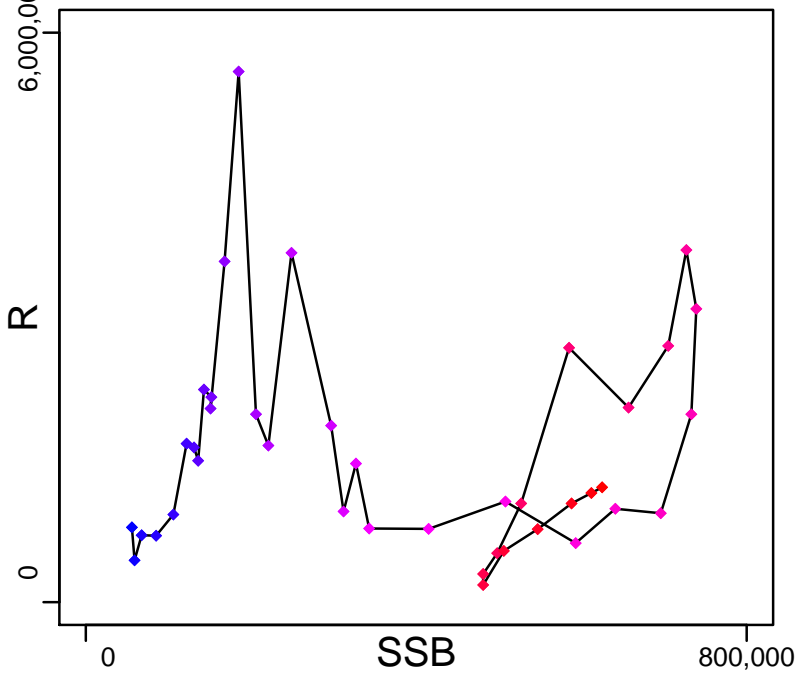
Kobe MSYpref (1975–2012–HIVELY)



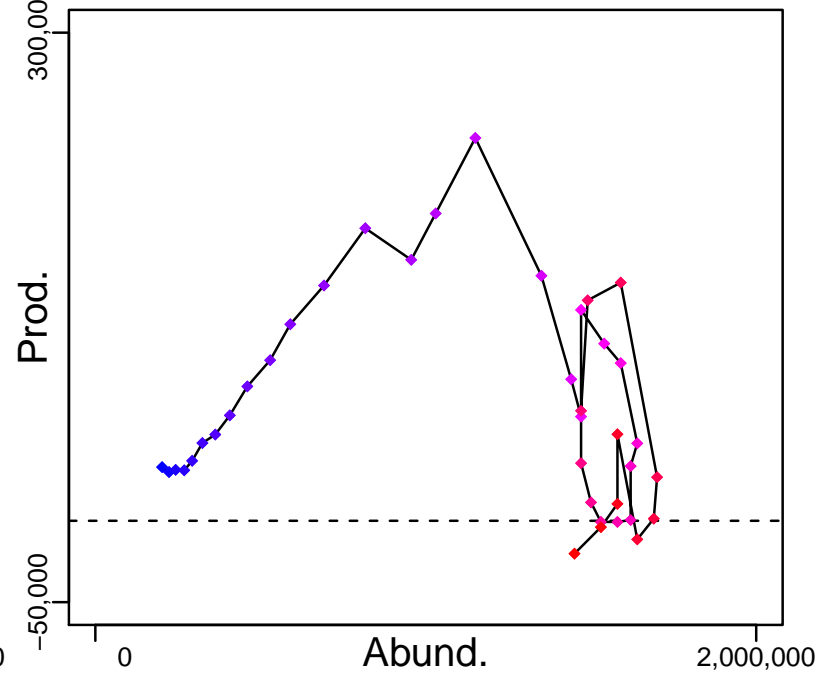
Kobe MGTpref (1975–2012–HIVELY)



Spawner Recruit (1975–2015–SISIMP2016)



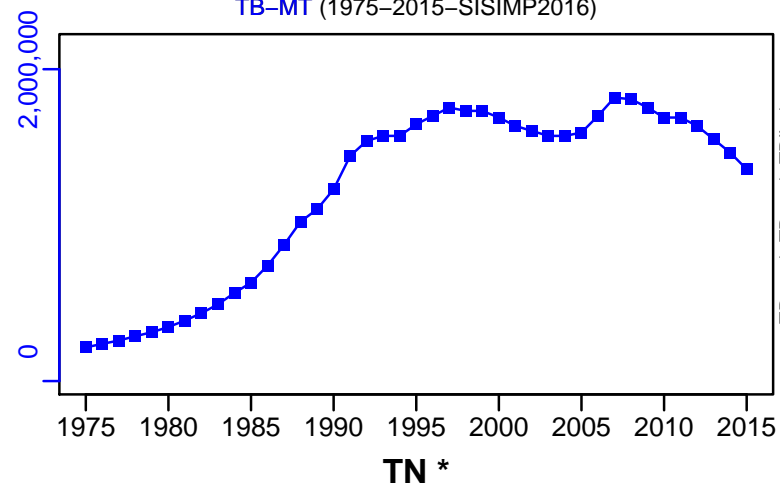
Production (1975–2015–SISIMP2016)



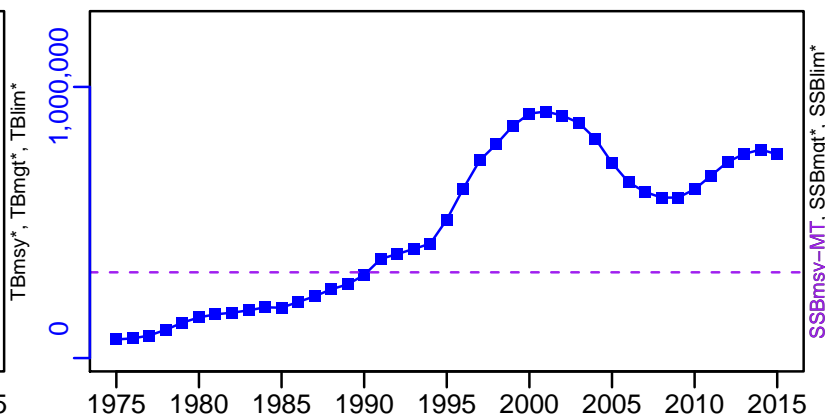
◆ Start Year ◆ End Year * No Data

Northern rock sole Eastern Bering Sea and Aleutian Islands [NRSOLEEBSAI]

TB-MT (1975-2015-SISIMP2016)



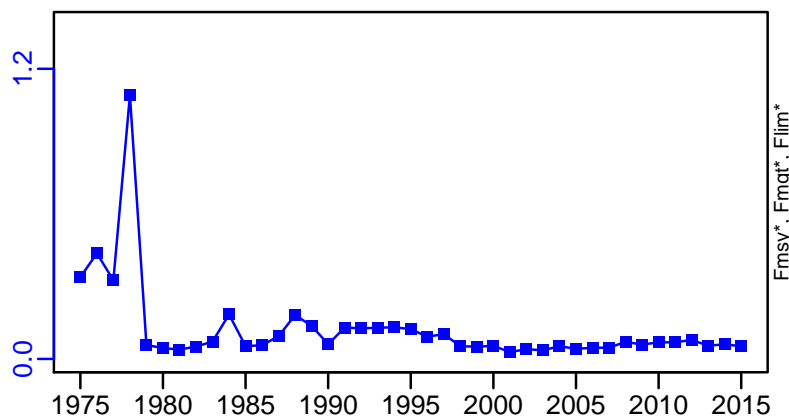
SSB-MT (1975-2015-SISIMP2016)



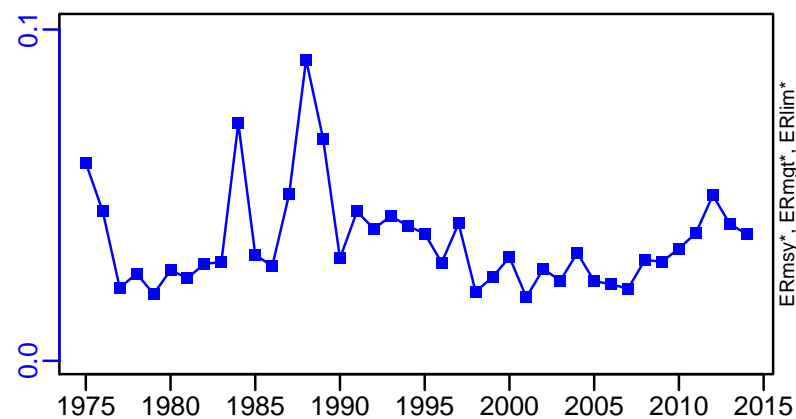
TN *



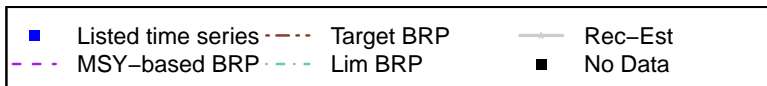
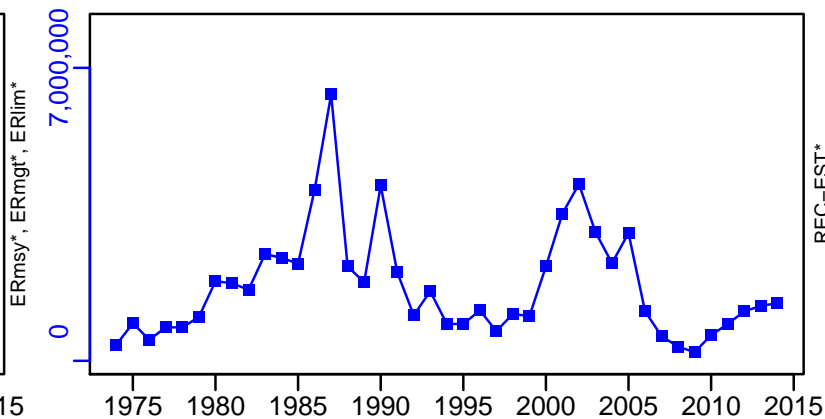
F-1/yr (1975-2015-SISIMP2016)



ER-calc-ratio (1975-2015-SISIMP2016)

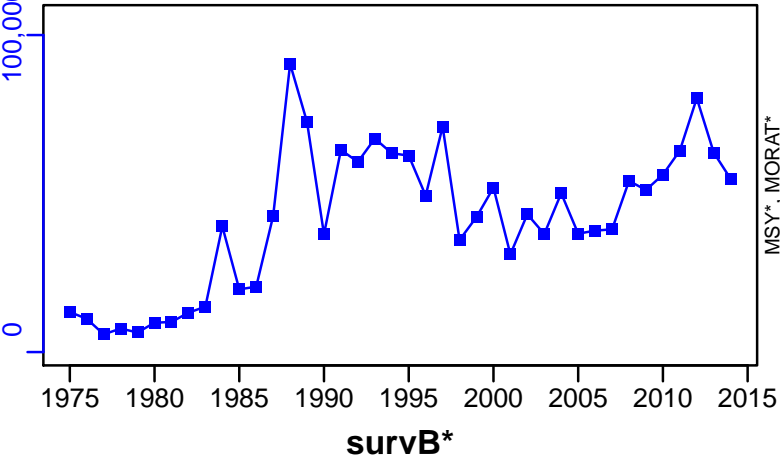


R-E00 (1975-2015-SISIMP2016)

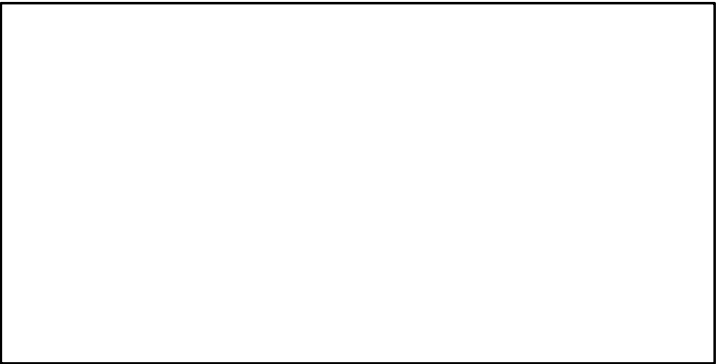


Northern rock sole Eastern Bering Sea and Aleutian Islands [NRSOLEEBSAI]

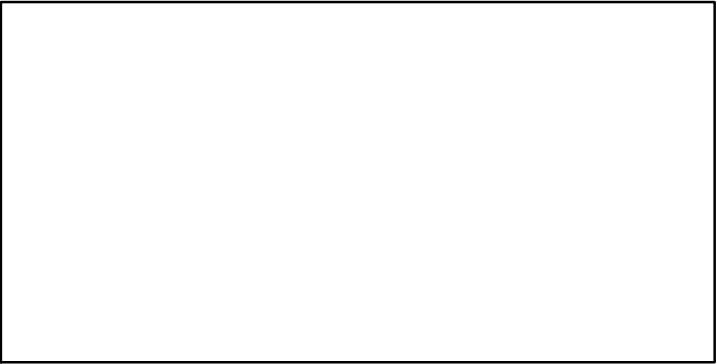
TC-MT, TL*, RecC* (1975-2015-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



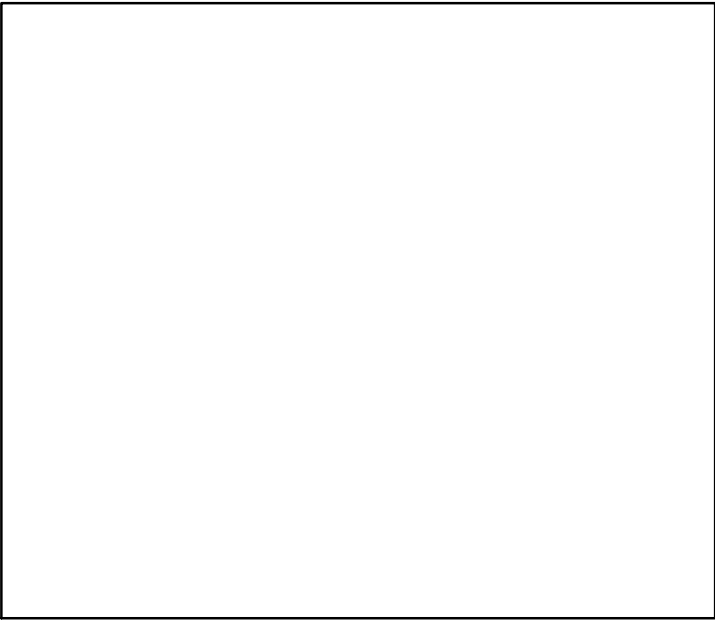
Northern rock sole Gulf of Alaska [NRSOLEGA]

Metadata	
Scientific Name	Lepidopsetta polyxystra
Current Assess ID	AFSC-NRSOLEGA-1977-2015-SISIMP2016
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2015

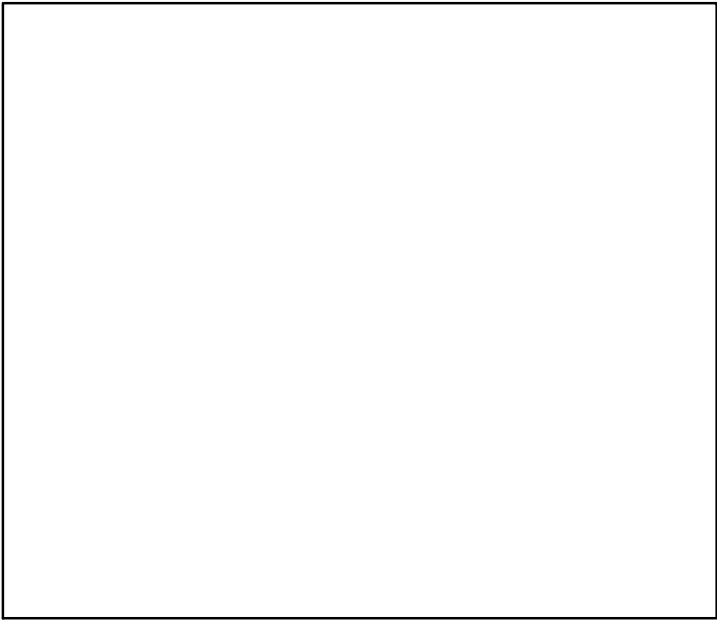
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	18,100
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	75,600	-	3+
SSB	SSB-MT	2015	39,500	Females	-
TN	-	-	-	-	-
R	R-E00	2015	1.1×10^8	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	1720		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	2.18		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

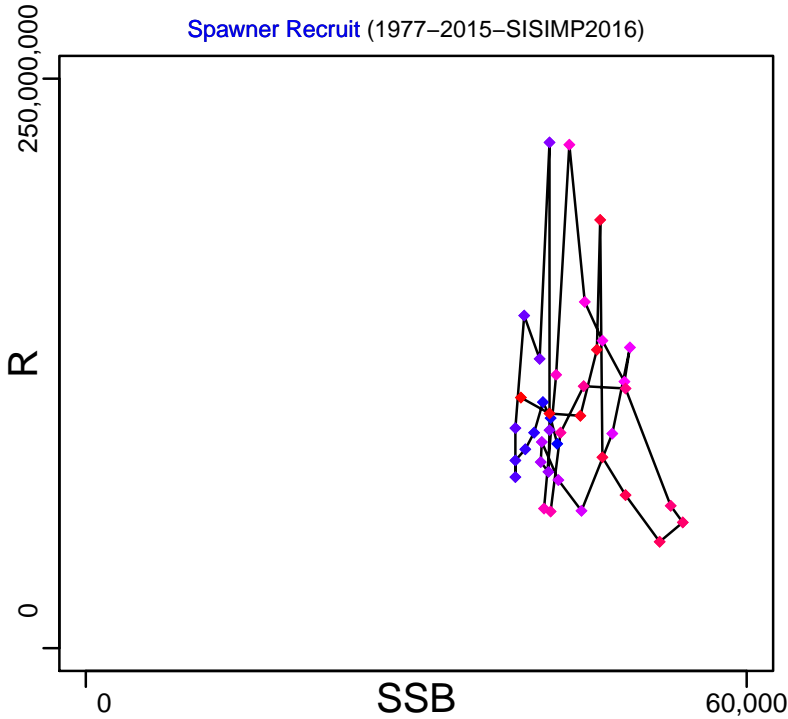
Kobe MSY*



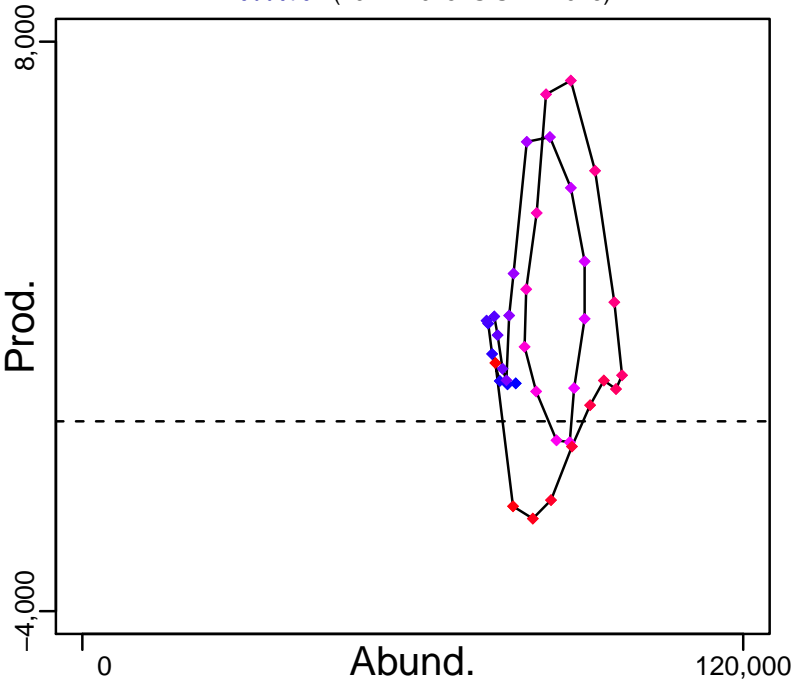
Kobe MGT*



Spawner Recruit (1977–2015–SISIMP2016)



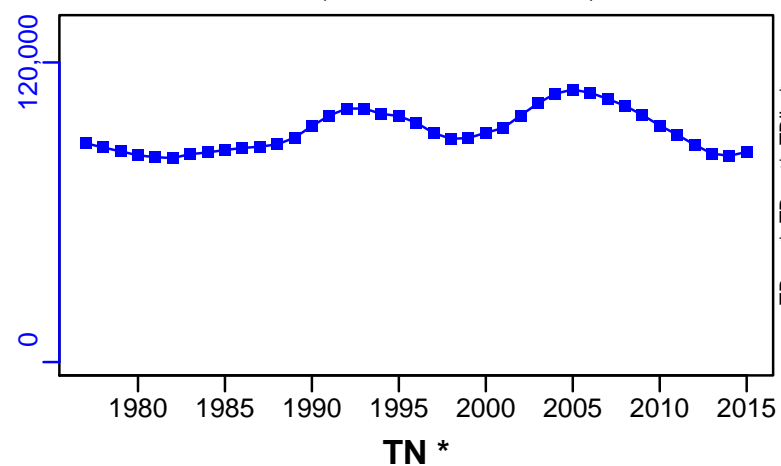
Production (1977–2015–SISIMP2016)



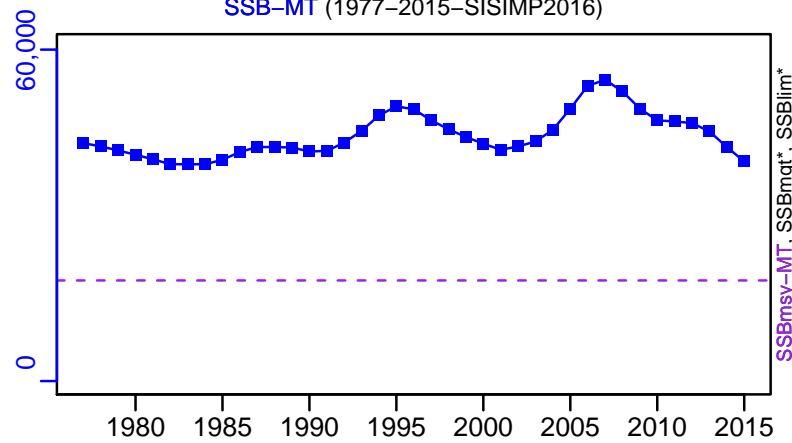
◆ Start Year ◆ End Year * No Data

Northern rock sole Gulf of Alaska [NRSOLEGA]

TB-MT (1977-2015-SISIMP2016)



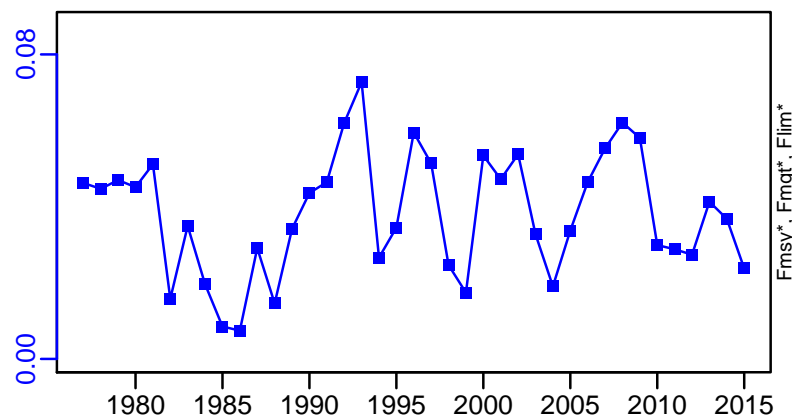
SSB-MT (1977-2015-SISIMP2016)



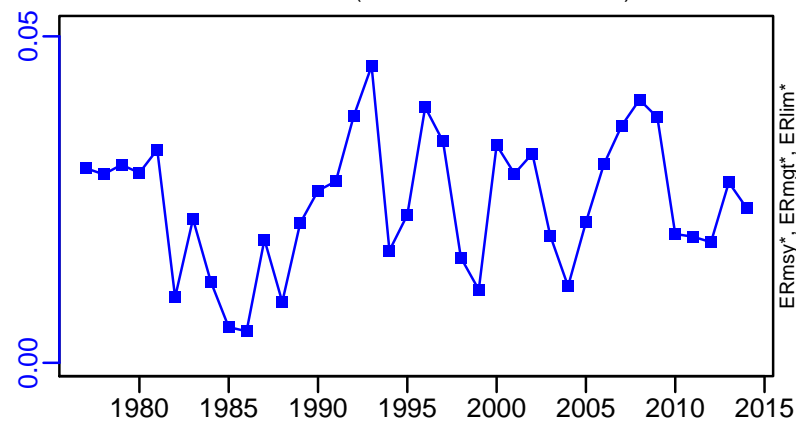
TN *



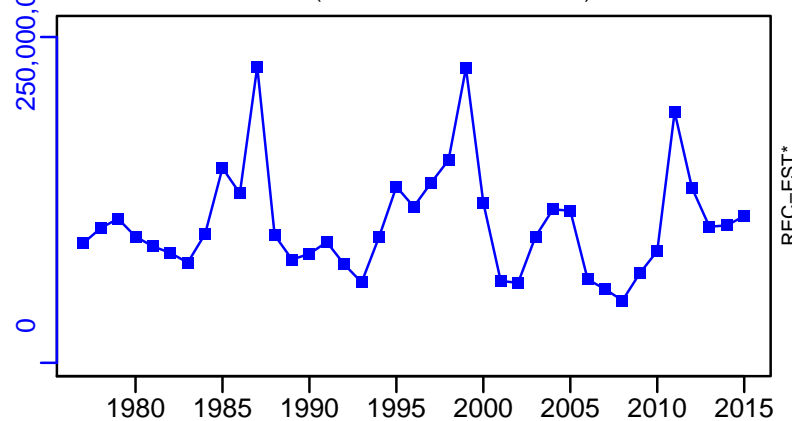
F-1/yr (1977-2015-SISIMP2016)



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

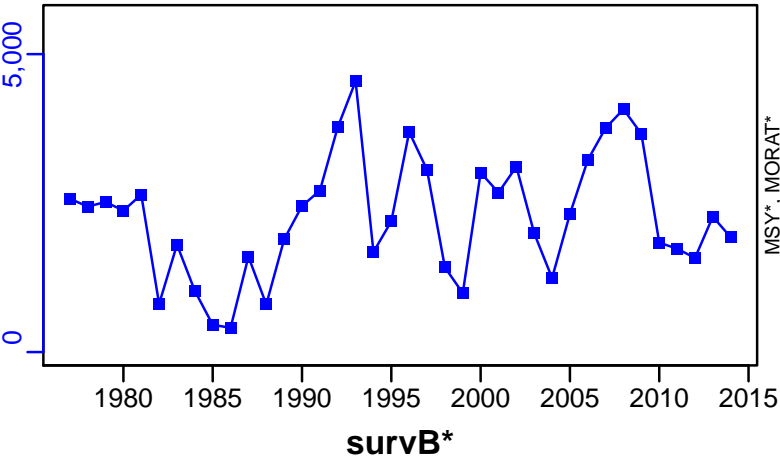


R-E00 (1977-2015-SISIMP2016)

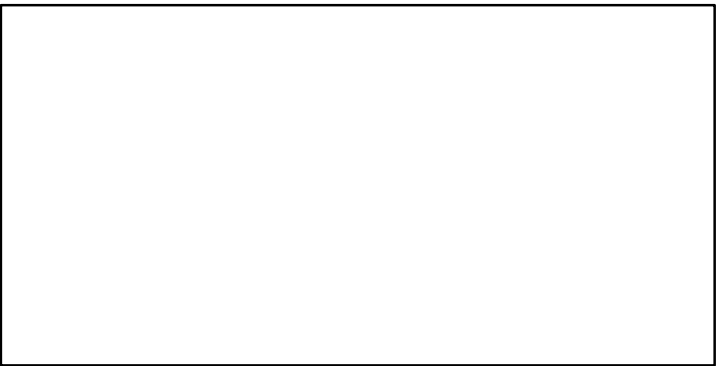


Northern rock sole Gulf of Alaska [NRSOLEGA]

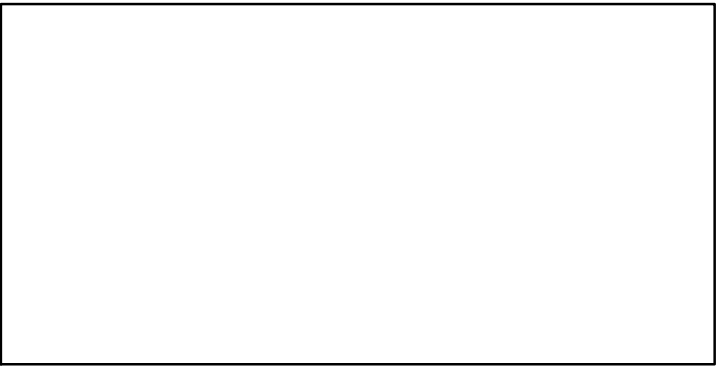
TC-MT, TL*, RecC* (1977-2015-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*

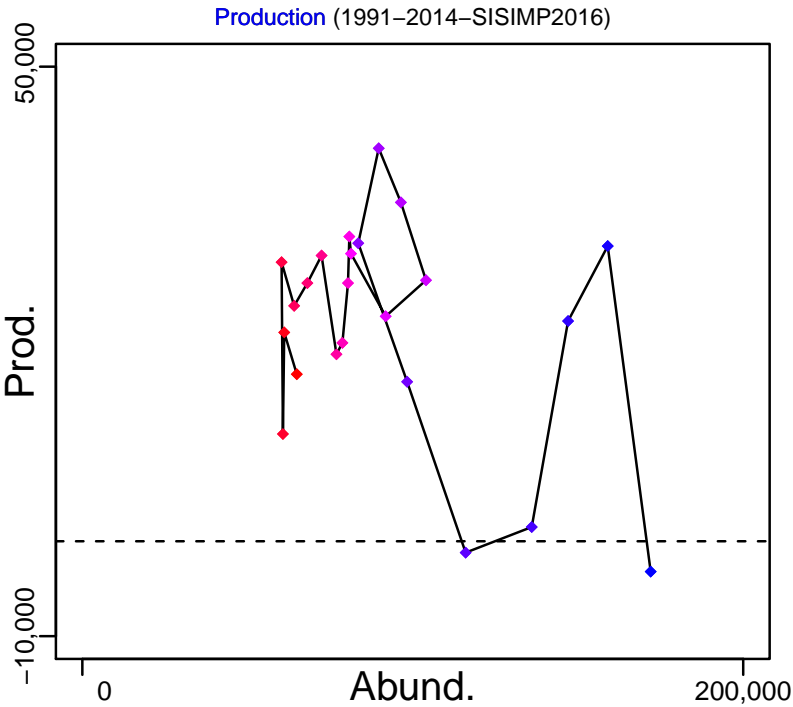


Pacific cod Aleutian Islands [PCODAI]

Metadata	
Scientific Name	Gadus macrocephalus
Current Assess ID	AFSC-PCODAI-1991-2014-SISIMP2016
Area	Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2014

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	68,900	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	10,600		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

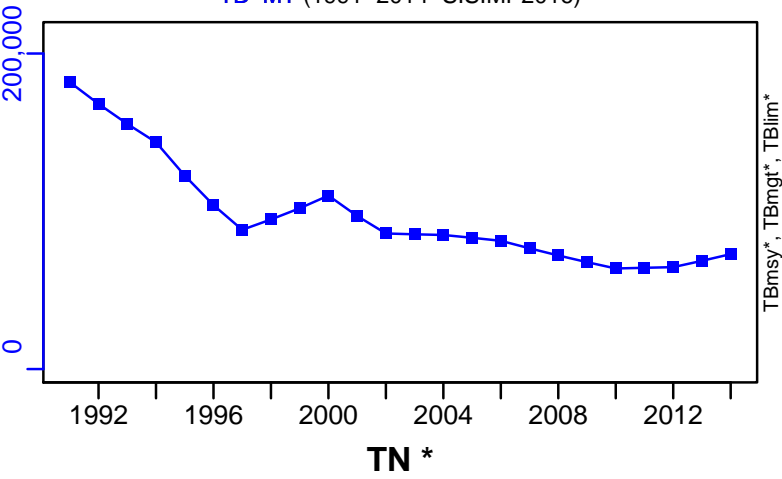


◆ Start Year ◆ End Year * No Data

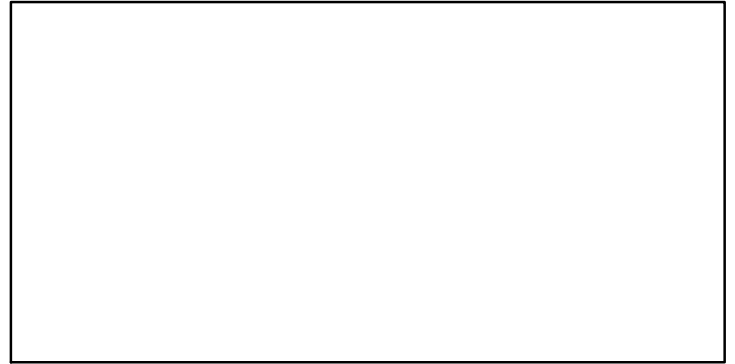
Pacific cod Aleutian Islands [PCODAI]

TB-MT (1991-2014-SISIMP2016)

SSB*

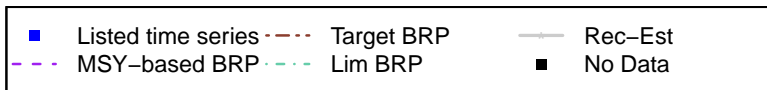
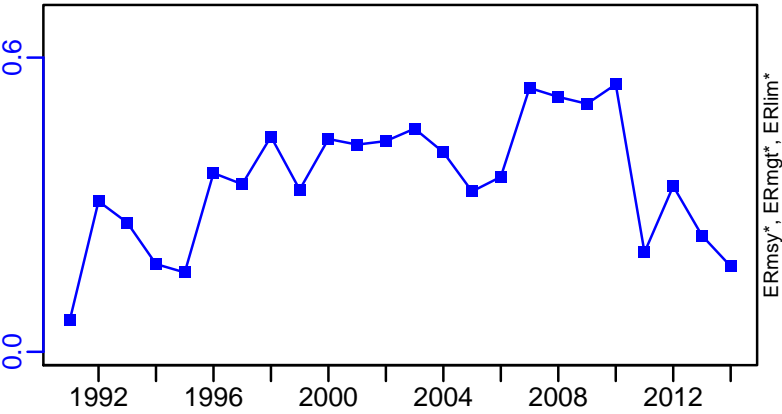


F*



ER-calc-ratio (1991-2014-SISIMP2016)

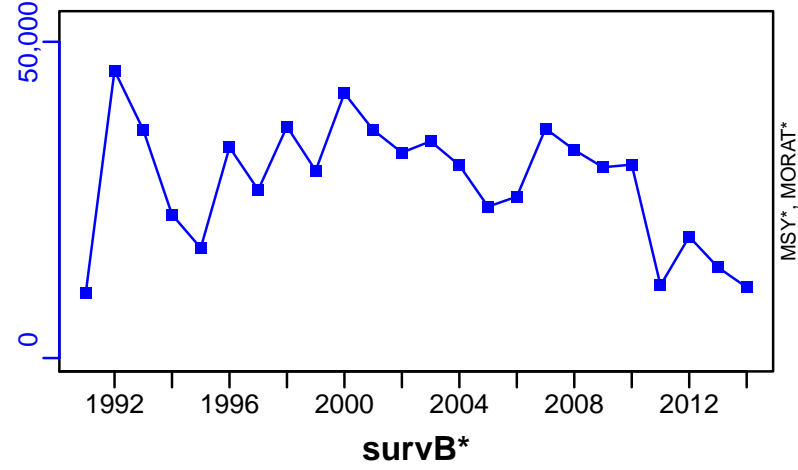
Recruits*



Pacific cod Aleutian Islands [PCODAI]

TC-MT, TL*, RecC* (1991-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Pacific cod Bering Sea [PCODBS]

Metadata	
Scientific Name	Gadus macrocephalus
Current Assess ID	AFSC-PCODBS-1977-2015-SISIMP2016
Area	Bering Sea
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	282,000
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	2015	1,670,000	-	0+
SSB	SSB-MT	2015	402,000	Females	4.9+
TN	-	-	-	-	-
R	R-E00	2015	5.38×10^8	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	239,000		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.42		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Pacific cod Bering Sea [PCODBS]

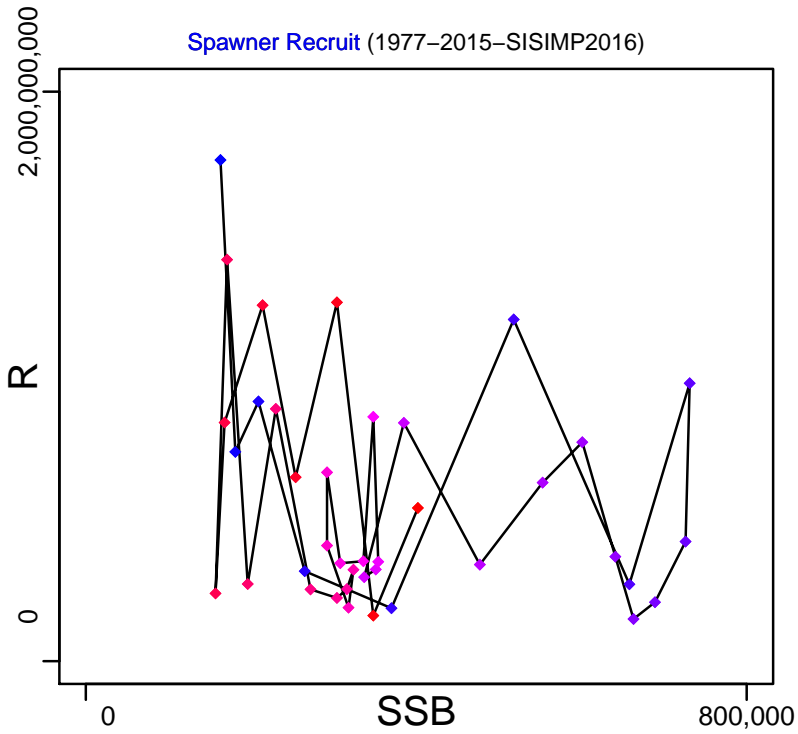
Kobe MSY*



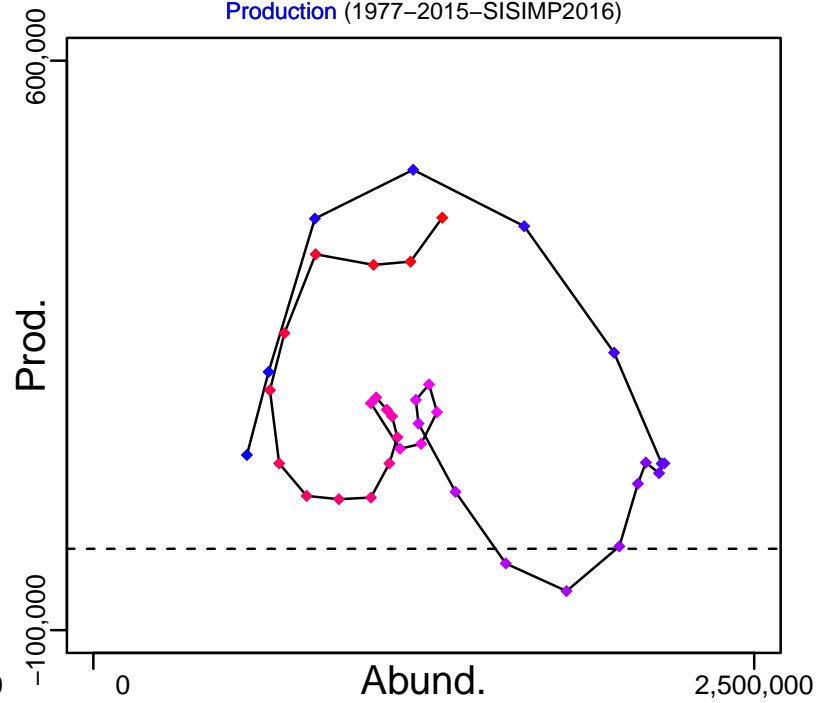
Kobe MGT*



Spawner Recruit (1977–2015–SISIMP2016)



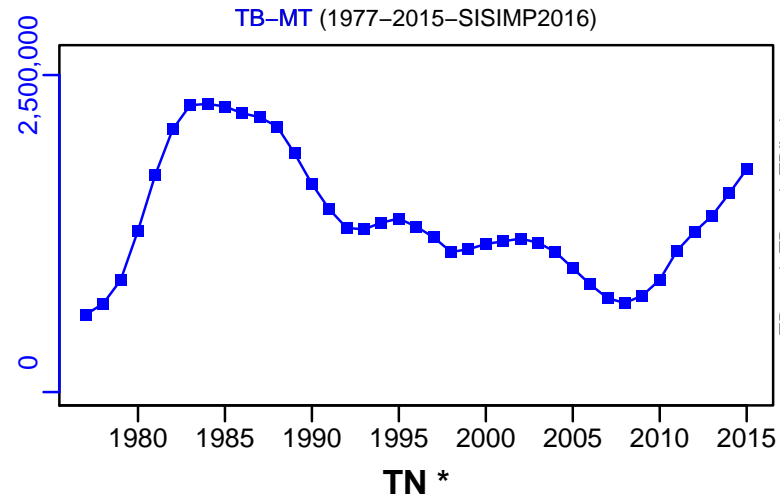
Production (1977–2015–SISIMP2016)



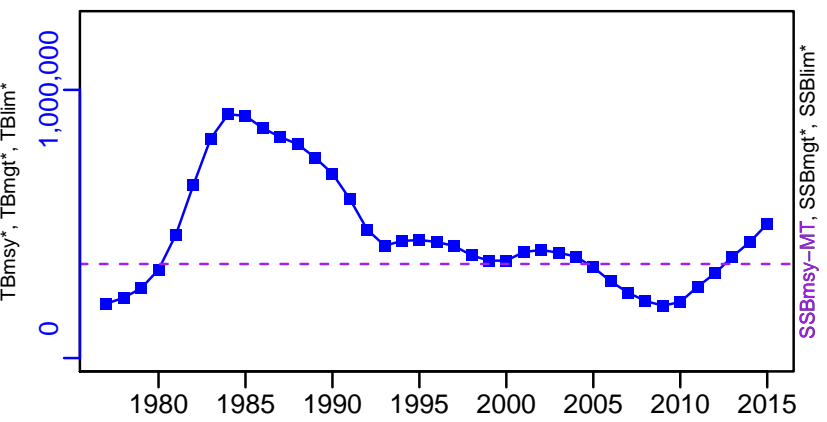
◆ Start Year ◆ End Year * No Data

Pacific cod Bering Sea [PCODBS]

TB-MT (1977-2015-SISIMP2016)



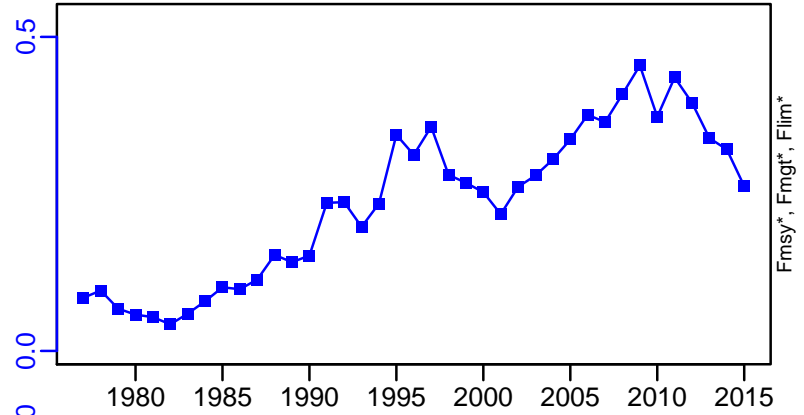
SSB-MT (1977-2015-SISIMP2016)



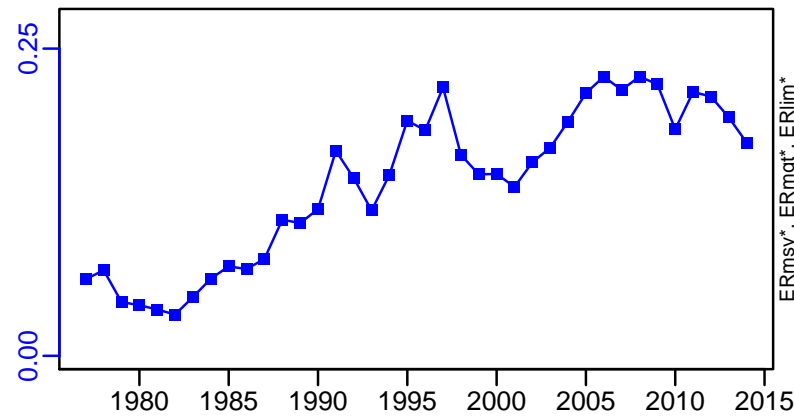
TN *



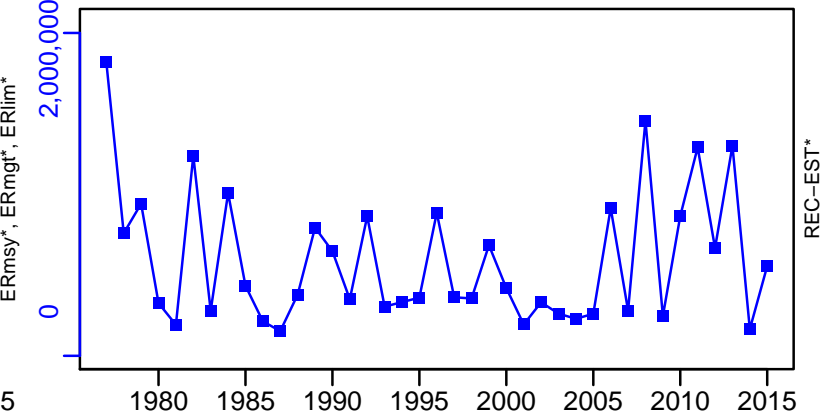
F-1/yr (1977-2015-SISIMP2016)



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



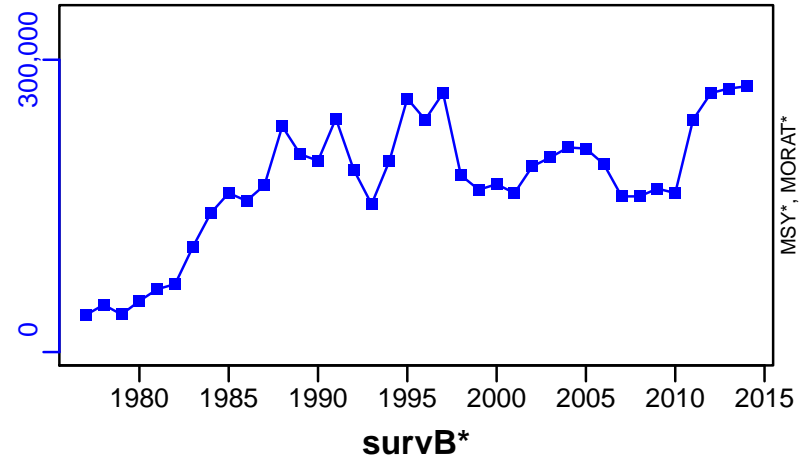
R-E00 (1977-2015-SISIMP2016)



Pacific cod Bering Sea [PCODBS]

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

TAC*, Cpair*, Cadv*



EFFORT*



Pacific cod Gulf of Alaska [PCODGA]

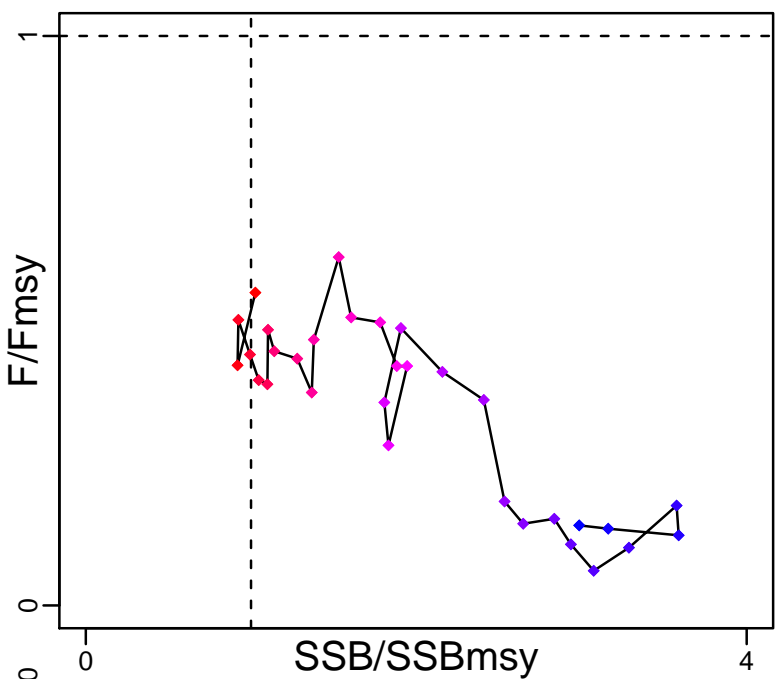
Metadata	
Scientific Name	Gadus macrocephalus
Current Assess ID	AFSC-PCODGA-1977-2015-SISIMP2016
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2014, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	113,800
Fmsy	Fmsy-pr-1/yr	2014	0.69
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2014	91,100
Fmgt	Fmgt-1/yr	2014	0.54
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2014	0.38
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

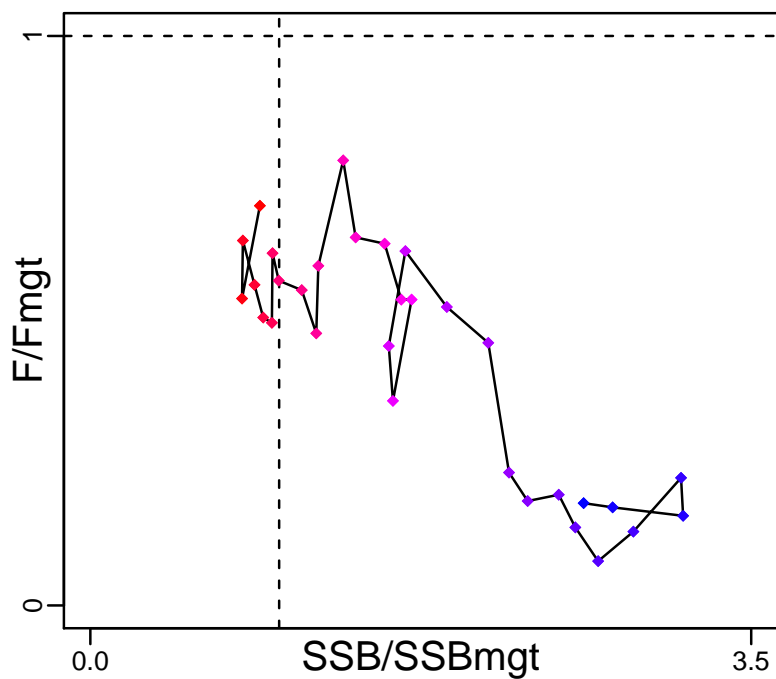
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	640,000	-	3+
SSB	SSB-MT	2015	203,000	Females	4.3+
TN	-	-	-	-	-
R	R-E00	2015	3.57×10^8	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	84,900		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.78		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2014	0.55		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	1.61		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	0.7		
ER/ERmgt	-	-	-		

Pacific cod Gulf of Alaska [PCODGA]

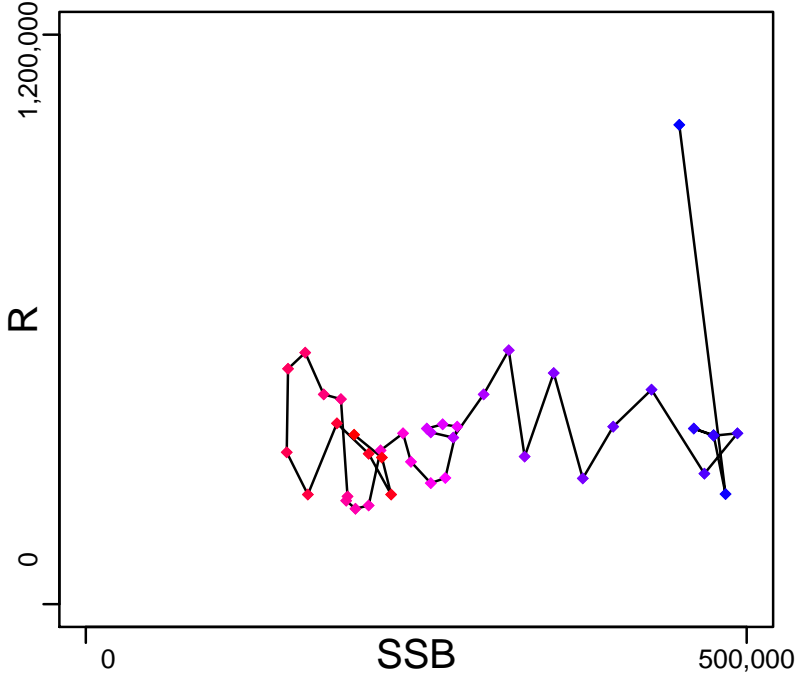
Kobe MSYpref (1977–2014–HIVELY)



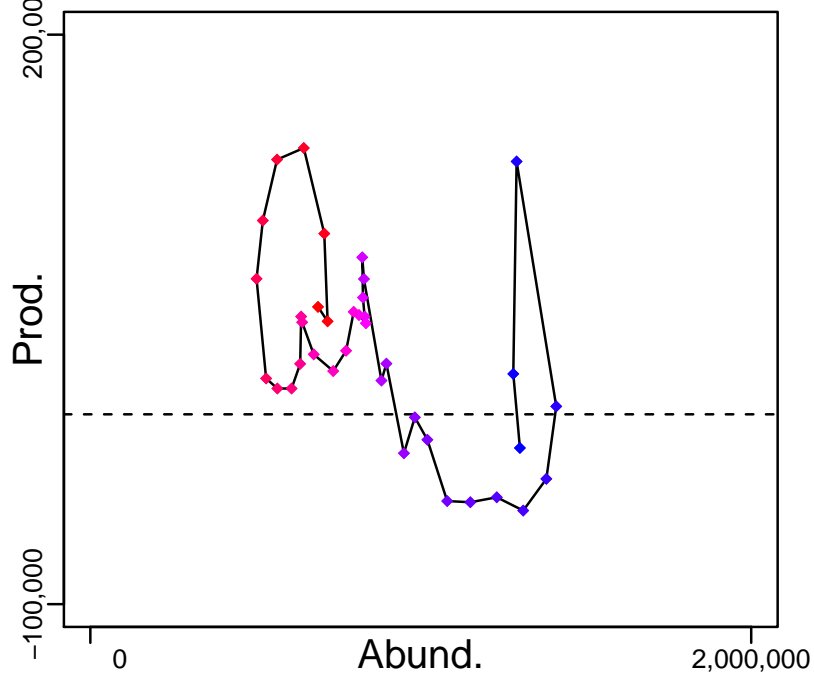
Kobe MGTpref (1977–2014–HIVELY)



Spawner Recruit (1977–2015–SISIMP2016)



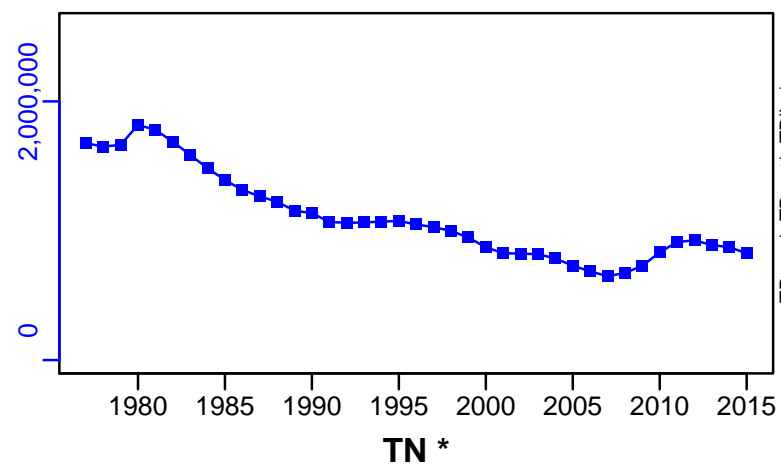
Production (1977–2015–SISIMP2016)



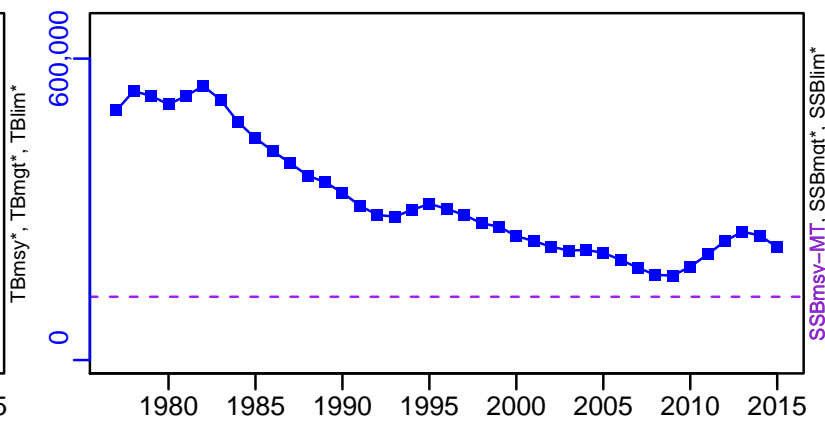
◆ Start Year ◆ End Year * No Data

Pacific cod Gulf of Alaska [PCODGA]

TB-MT (1977–2015–SISIMP2016)



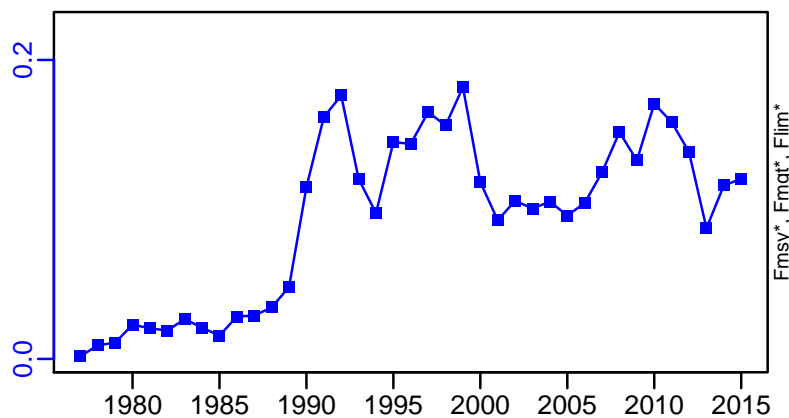
SSB-MT (1977–2015–SISIMP2016)



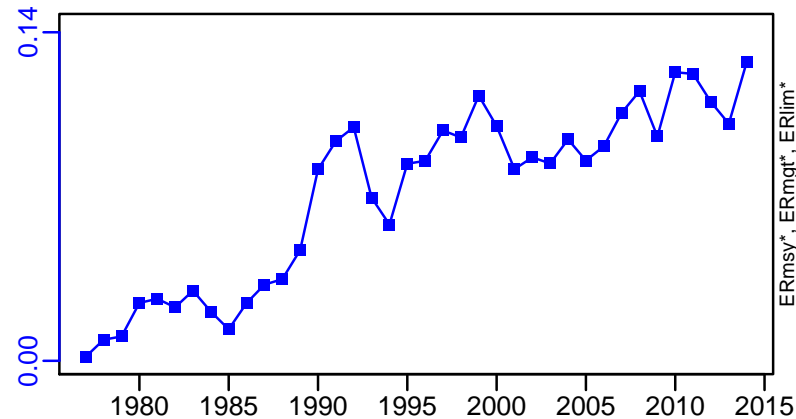
TN *



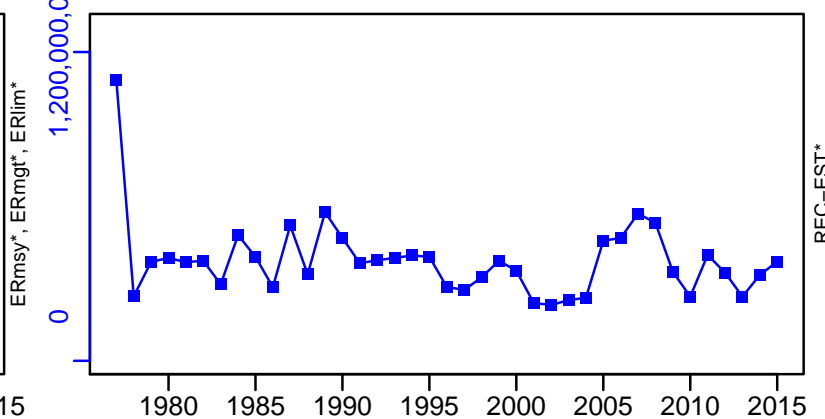
F-1/yr (1977–2015–SISIMP2016)



ER-calc-ratio (1977–2015–SISIMP2016)



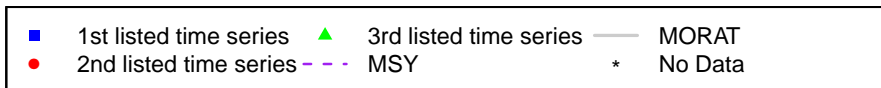
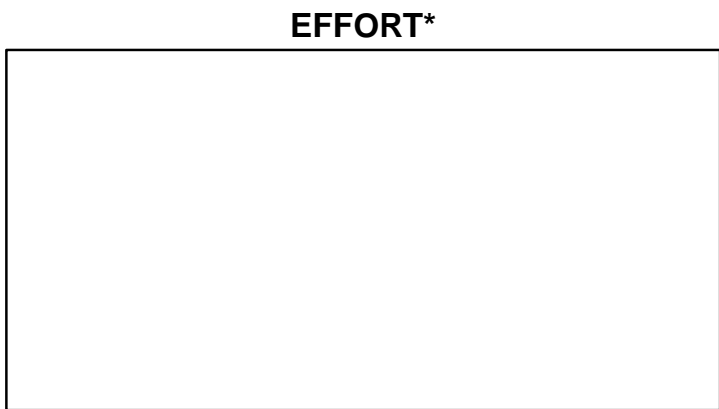
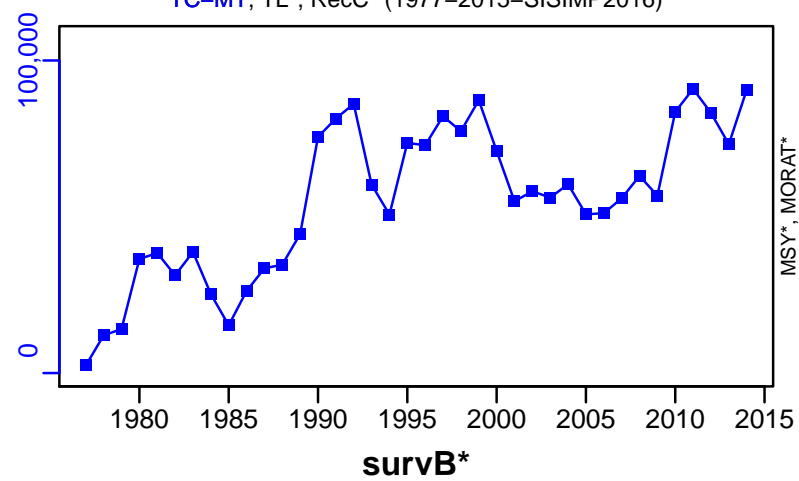
R-E00 (1977–2015–SISIMP2016)



Pacific cod Gulf of Alaska [PCODGA]

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

TAC*, Cpair*, Cadv*



Pacific Ocean perch Eastern Bering Sea and Aleutian Islands [PERCHEBSAI]

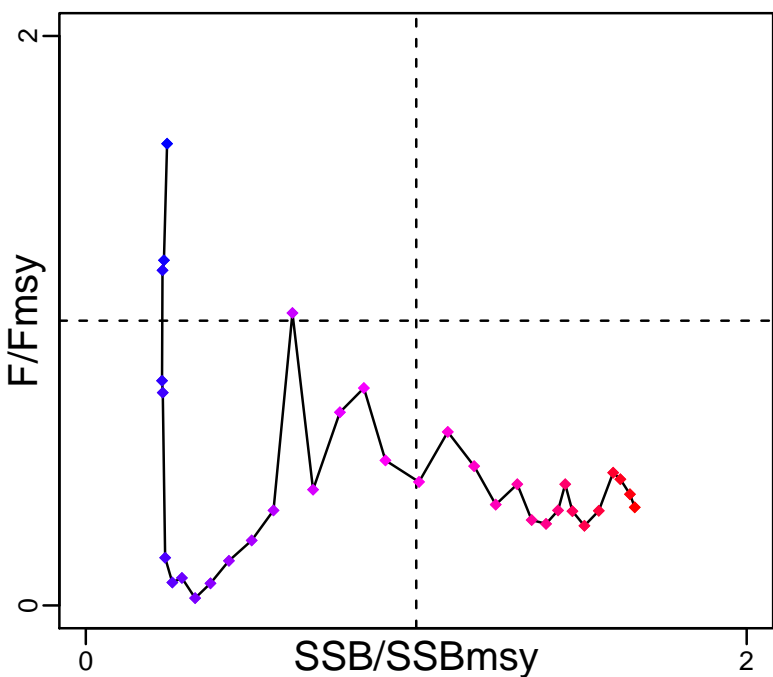
Metadata	
Scientific Name	Sebastes alutus
Current Assess ID	AFSC-PERCHEBSAI-1960-2015-SISIMP2016
Area	Eastern Bering Sea and Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2011, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	148,053
Fmsy	Fmsy-pr-1/yr	2011	0.07
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.06
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

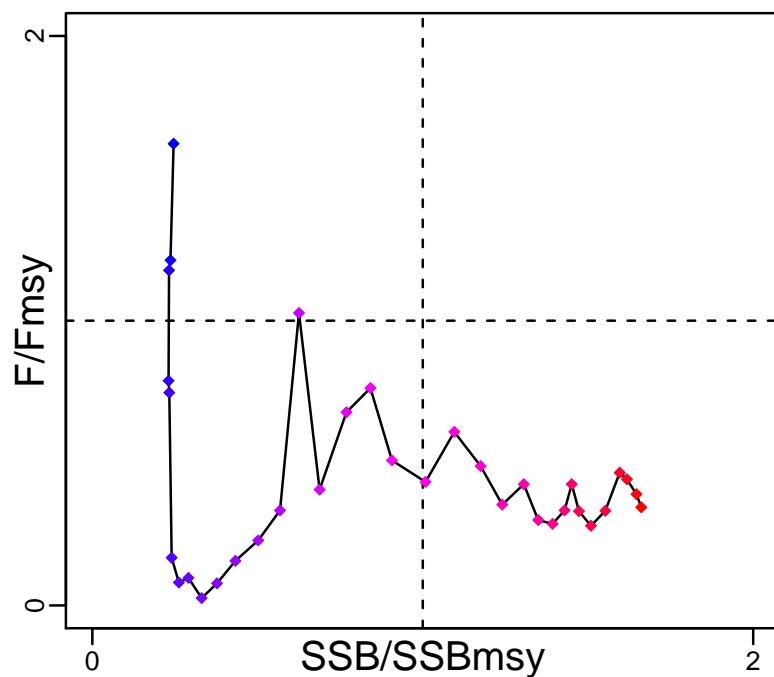
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	598,000	Both	3+
SSB	SSB-MT	2015	234,000	Females	9.1+
TN	-	-	-	-	-
R	R-E00	2015	82,100,000	-	3
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	32,400		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.58		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2011	0.34		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Pacific Ocean perch Eastern Bering Sea and Aleutian Islands [PERCHEBSAI]

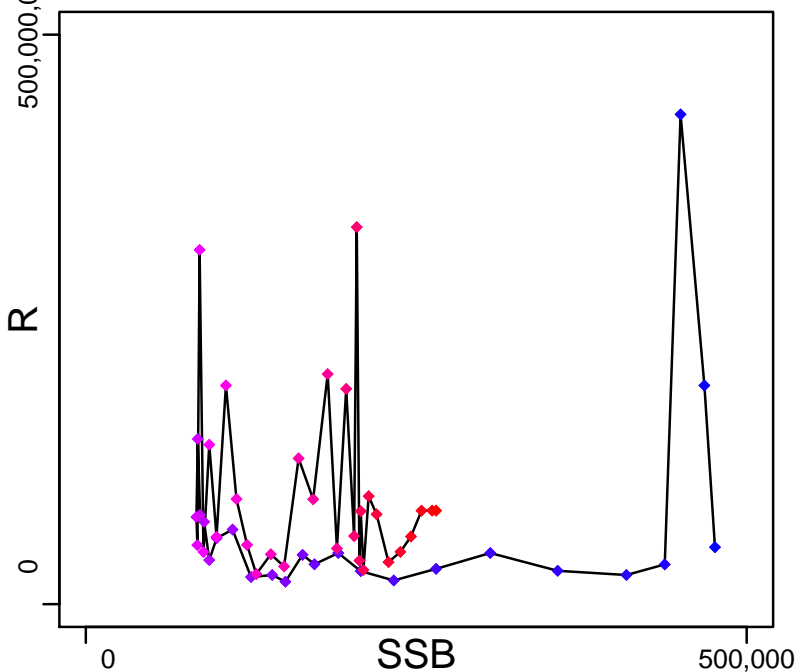
Kobe MSYpref (1960–2011–STACHURA)



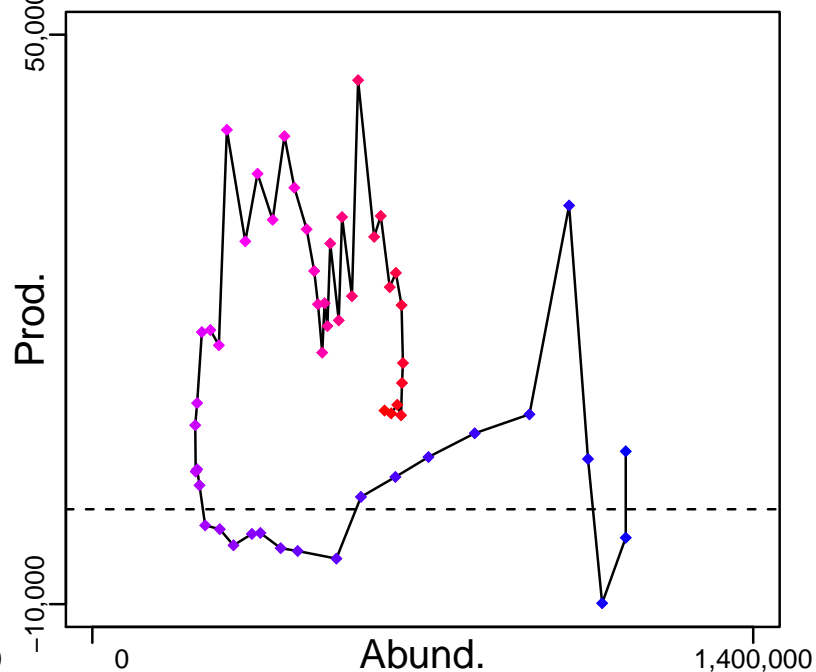
Kobe MGTpref (1960–2011–STACHURA)



Spawner Recruit (1960–2015–SISIMP2016)



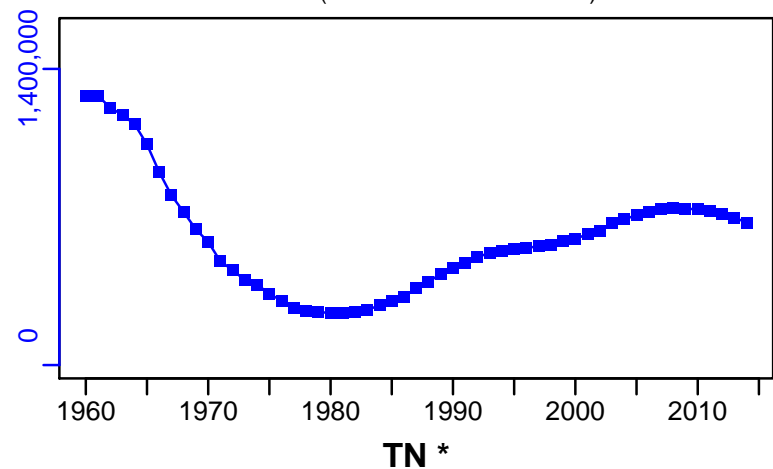
Production (1960–2015–SISIMP2016)



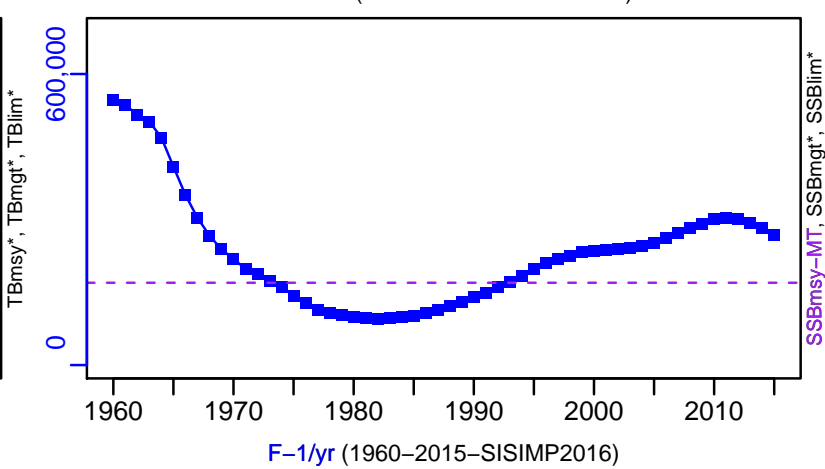
◆ Start Year ◆ End Year * No Data

Pacific Ocean perch Eastern Bering Sea and Aleutian Islands [PERCHEBSAI]

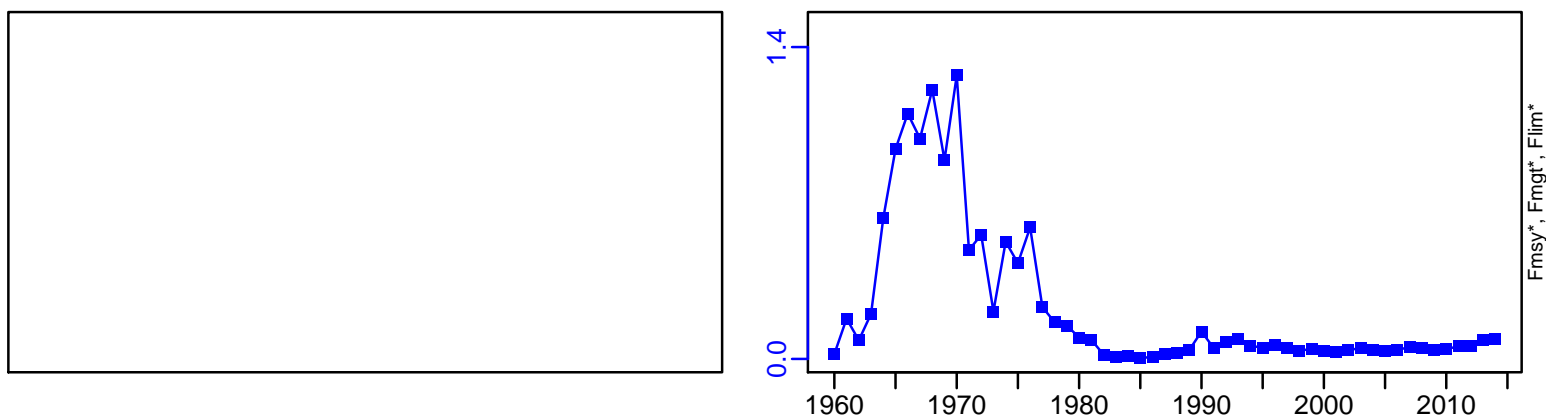
TB-MT (1960–2015–SISIMP2016)



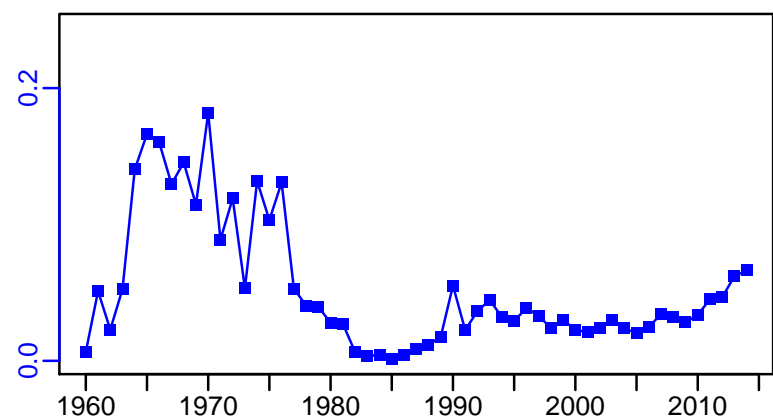
SSB-MT (1960–2015–SISIMP2016)



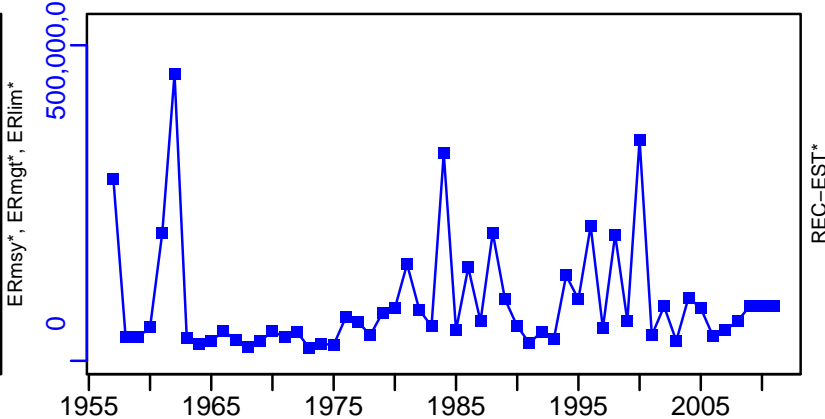
F-1/yr (1960–2015–SISIMP2016)



ER-calc-ratio (1960–2015–SISIMP2016)

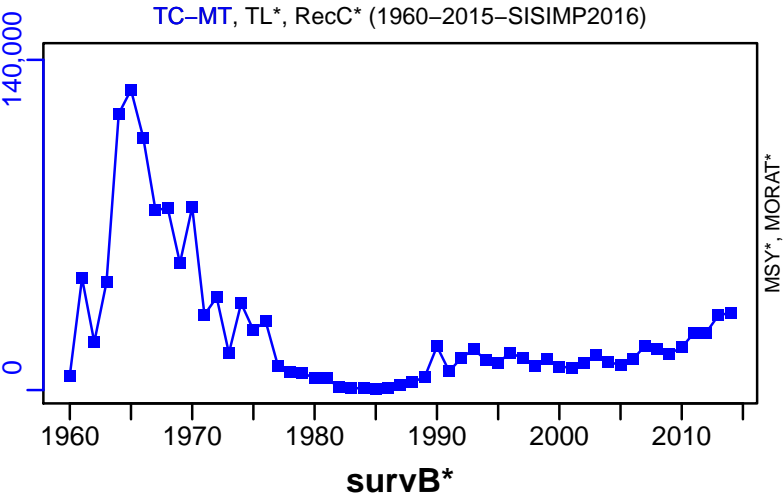


R-E00 (1960–2015–SISIMP2016)



Pacific Ocean perch Eastern Bering Sea and Aleutian Islands [PERCHEBSAI]

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



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Pacific halibut North Pacific [PHALNPAC]

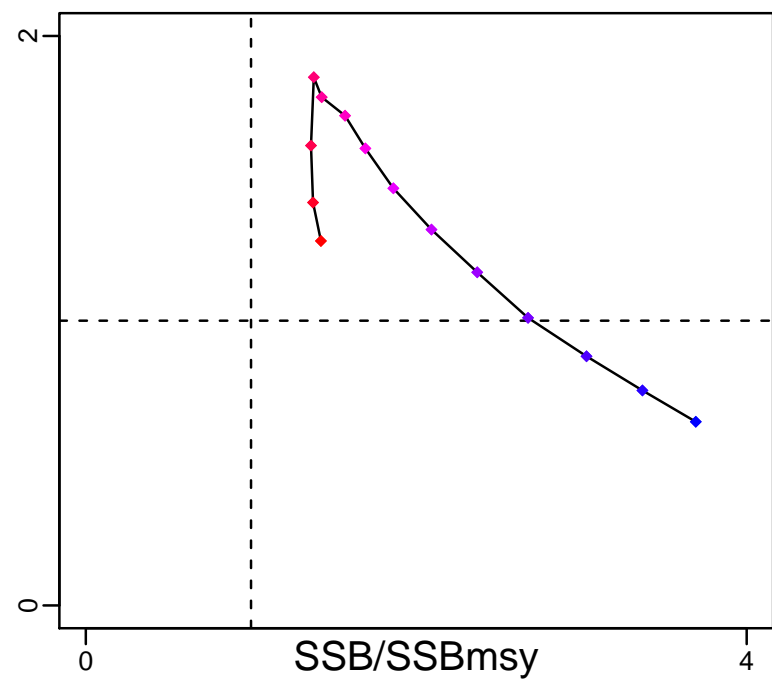
Metadata	
Scientific Name	Hippoglossus stenolepis
Current Assess ID	IPHC-PHALNPAC-1888-2014-HIVELY
Area	North Pacific
Management Authority	International Pacific Halibut Commission
Assessor	International Pacific Halibut Commission
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-pr-MT	2014	65,004
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2014	65,004
Fmgt	Fmgt-1/yr	2014	0.2
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

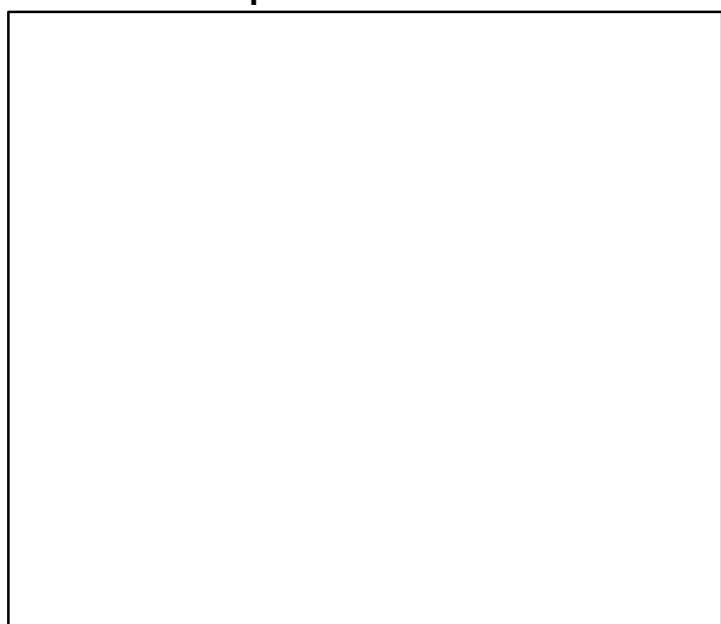
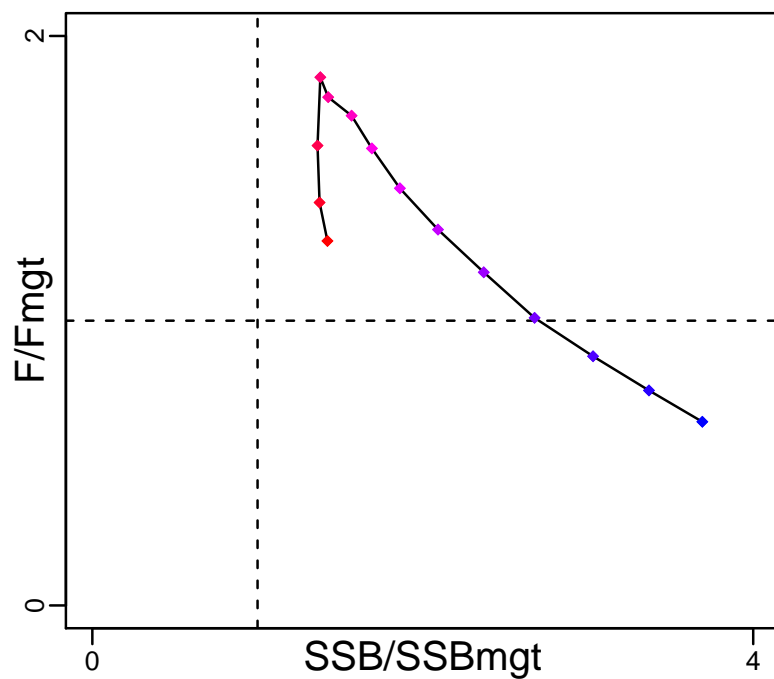
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	77,000	-	-
SSB	SSB-MT	2014	94,600	Females	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2014	0	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	10,700		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2014	1.46		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	1.46		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.28		
ER/ERmgt	-	-	-		

Pacific halibut North Pacific [PHALNPAC]

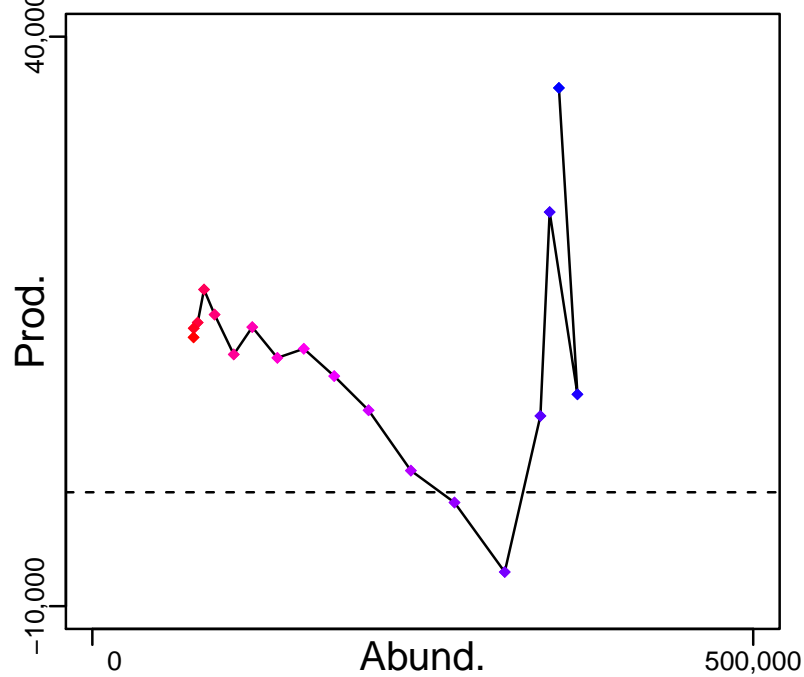
Kobe MSYpref (1888–2014–HIVELY)



Kobe MGTpref (1888–2014–HIVELY)



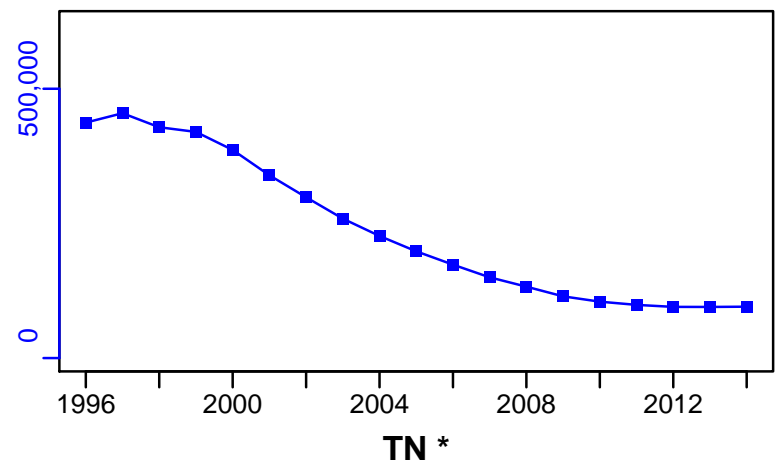
Production (1888–2014–HIVELY)



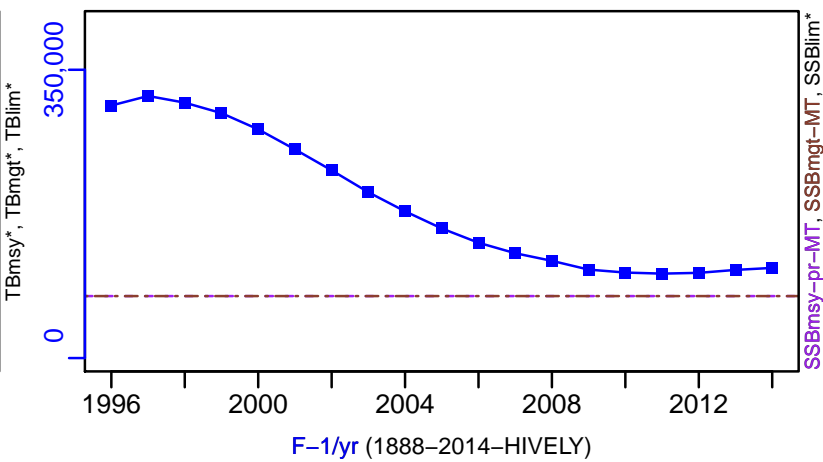
◆ Start Year ◆ End Year * No Data

Pacific halibut North Pacific [PHALNPAC]

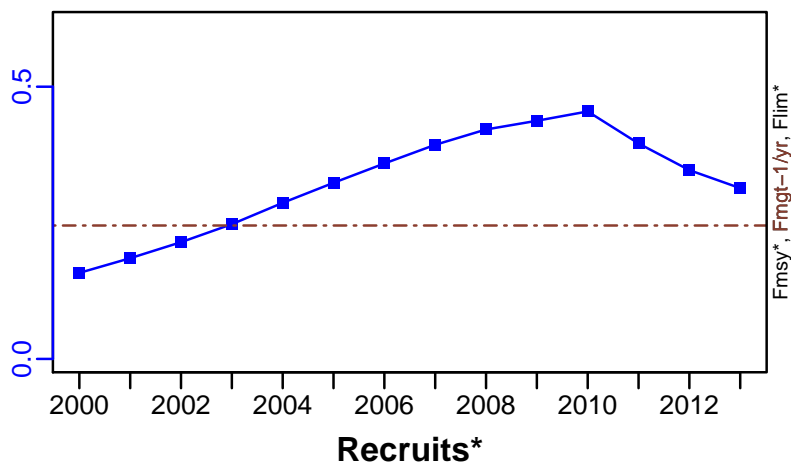
TB-MT (1888-2014-HIVELY)



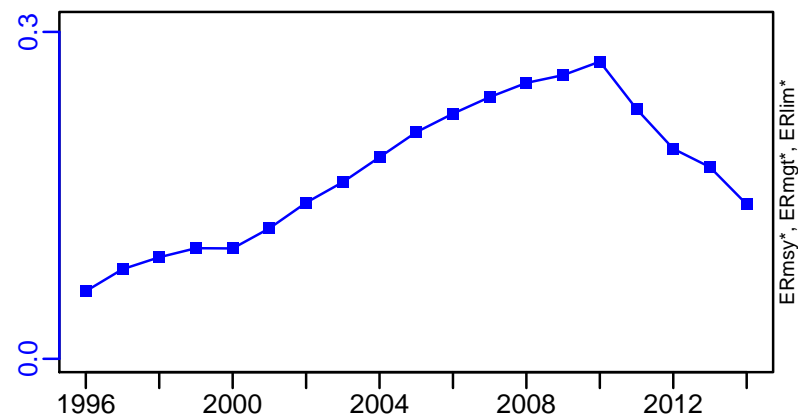
SSB-MT (1888-2014-HIVELY)



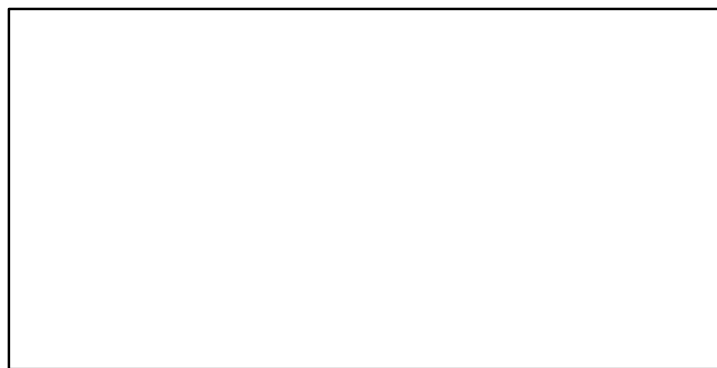
F-1/yr (1888-2014-HIVELY)



ER-calc-ratio (1888-2014-HIVELY)



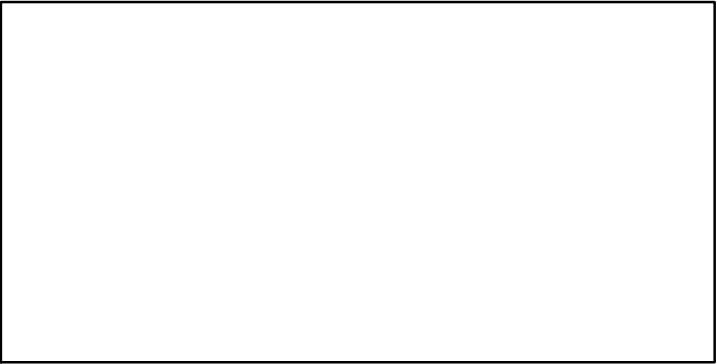
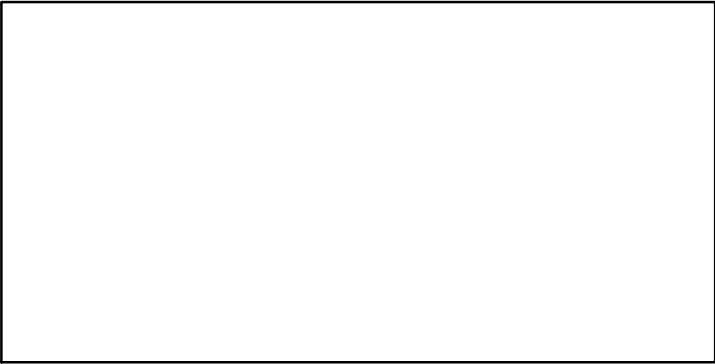
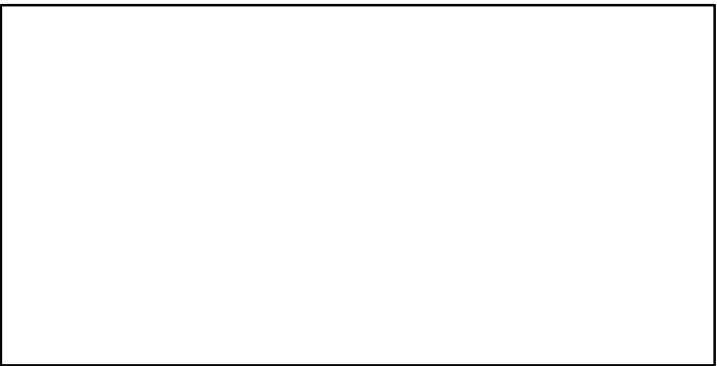
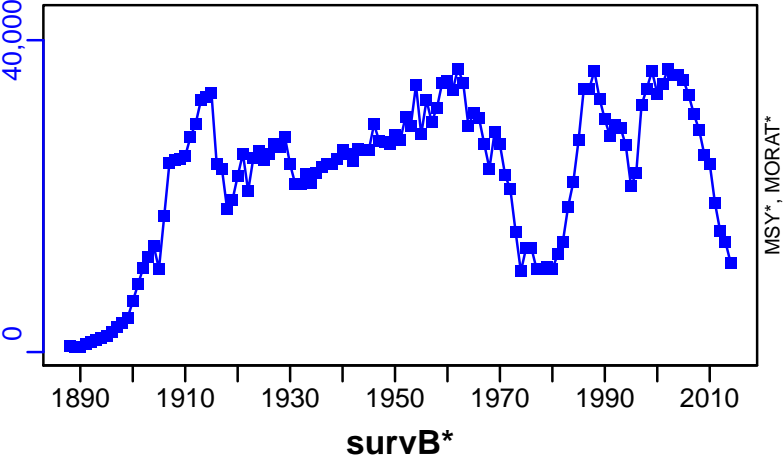
Recruits*



Pacific halibut North Pacific [PHALNPAC]

TC-MT, TL*, RecC* (1888-2014-HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*



Pacific ocean perch Gulf of Alaska [POPERCHGA]

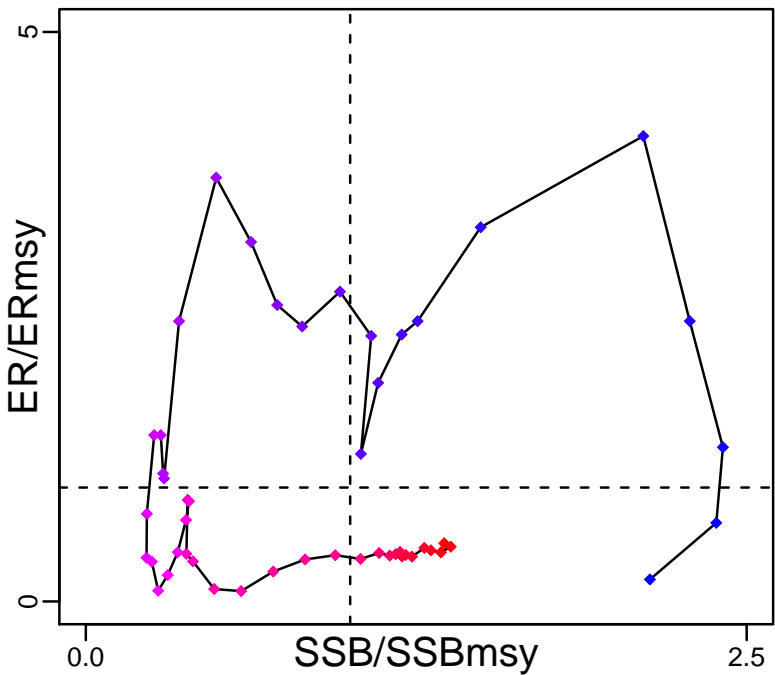
Metadata	
Scientific Name	Sebastes alutus
Current Assess ID	AFSC-POPERCHGA-1961-2015-SISIMP2016
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2010, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	99,865
Fmsy	Fmsy-pr-1/yr	2010	0.14
ERmsy	ERmsy-ratio	2010	0.08
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2010	20,243
M	M-1/yr	2010	0.06
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

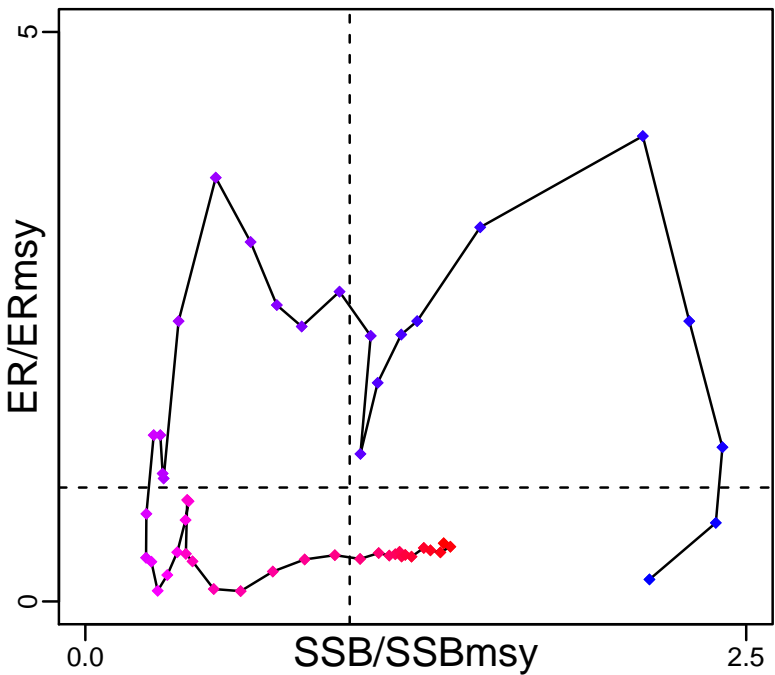
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	462,000	Both	2+
SSB	SSB-MT	2015	155,000	Females	10+
TN	-	-	-	-	-
R	R-E00	2015	52,900,000	-	2
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	17,600		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.55		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2010	0.61		
ER/ERmsy	ER-ratio/ERmsy-ratio	2010	0.51		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Pacific ocean perch Gulf of Alaska [POPERCHGA]

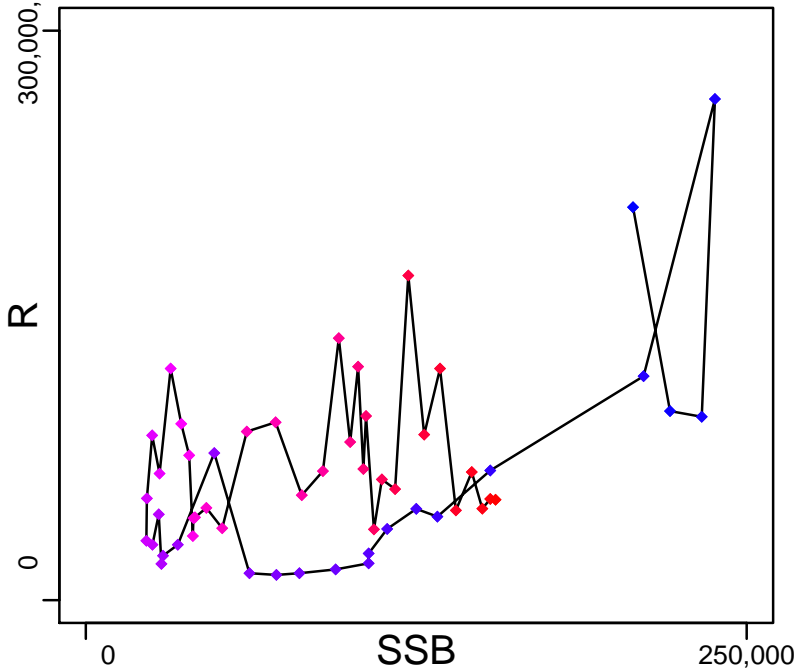
Kobe MSYpref (1959–2010–STACHURA)



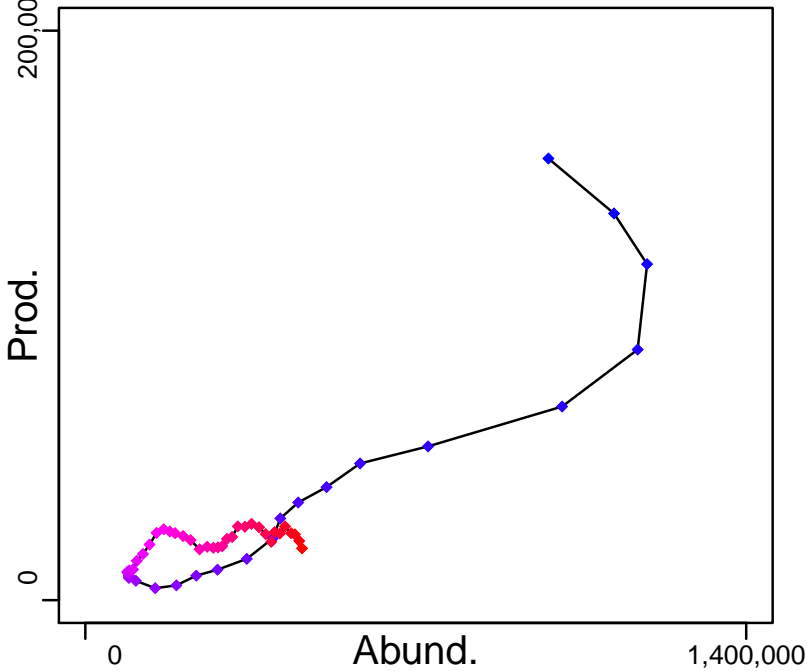
Kobe MGTpref (1959–2010–STACHURA)



Spawner Recruit (1961–2015–SISIMP2016)



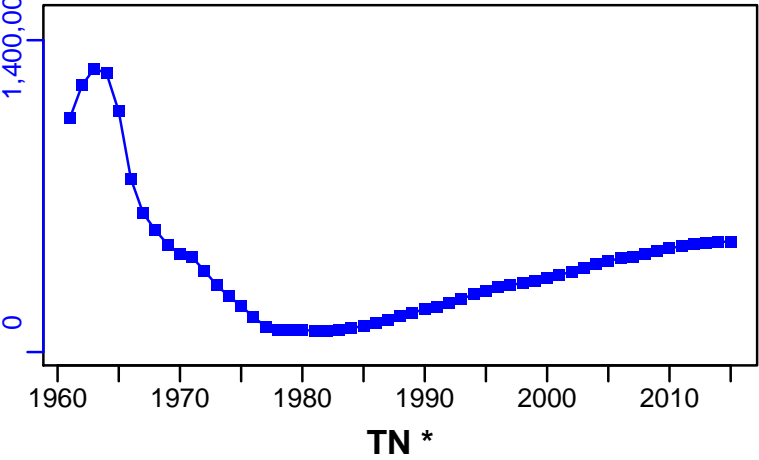
Production (1961–2015–SISIMP2016)



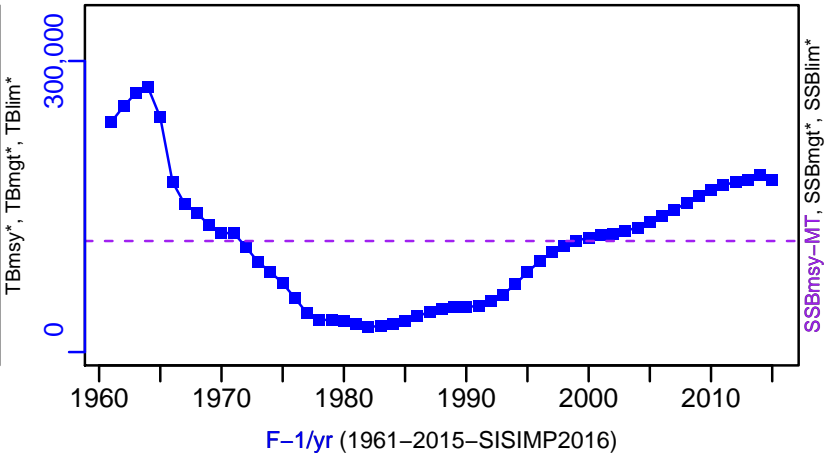
◆ Start Year ◆ End Year * No Data

Pacific ocean perch Gulf of Alaska [POPERCHGA]

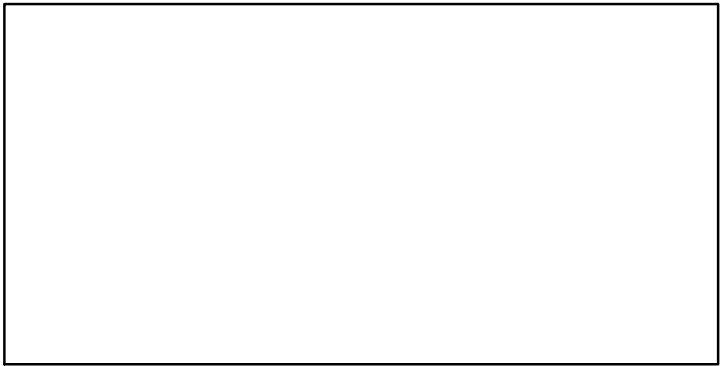
TB-MT (1961-2015-SISIMP2016)



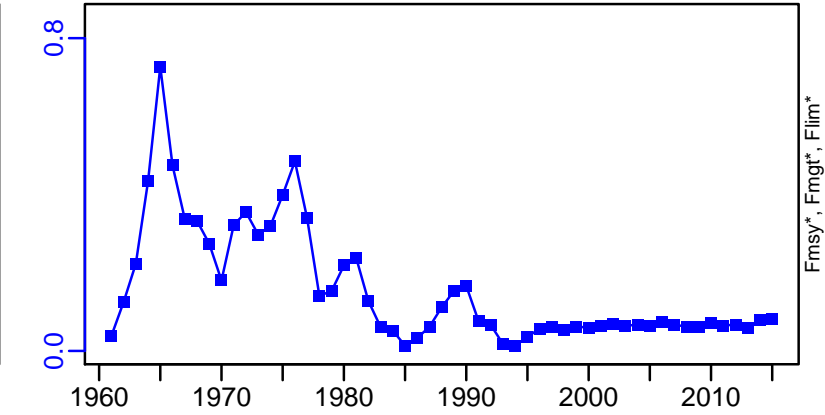
SSB-MT (1961-2015-SISIMP2016)



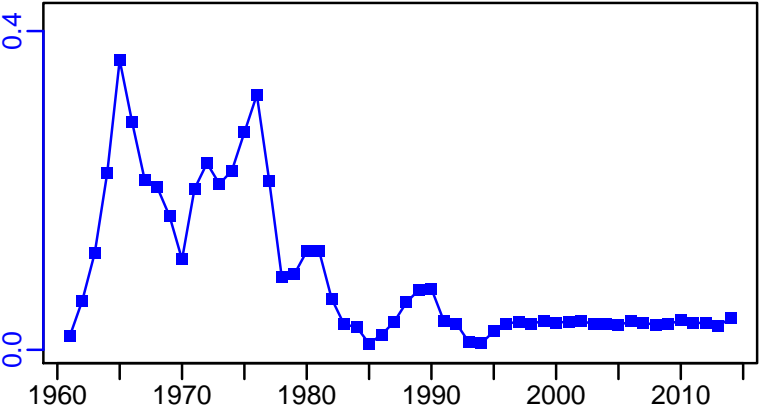
TN *



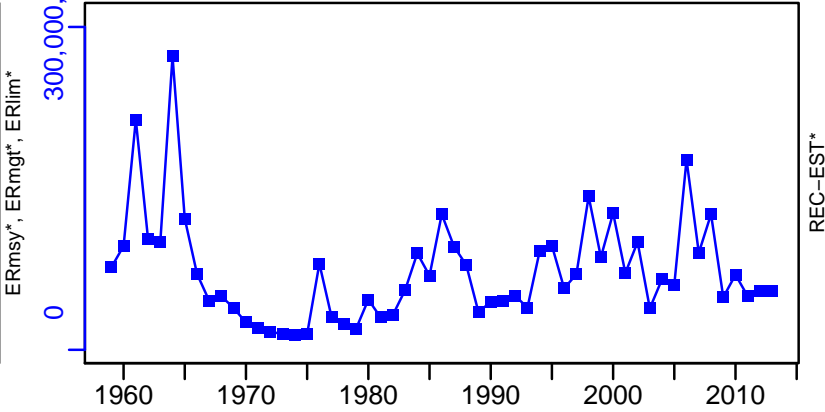
F-1/yr (1961-2015-SISIMP2016)



ER-calc-ratio (1961-2015-SISIMP2016)

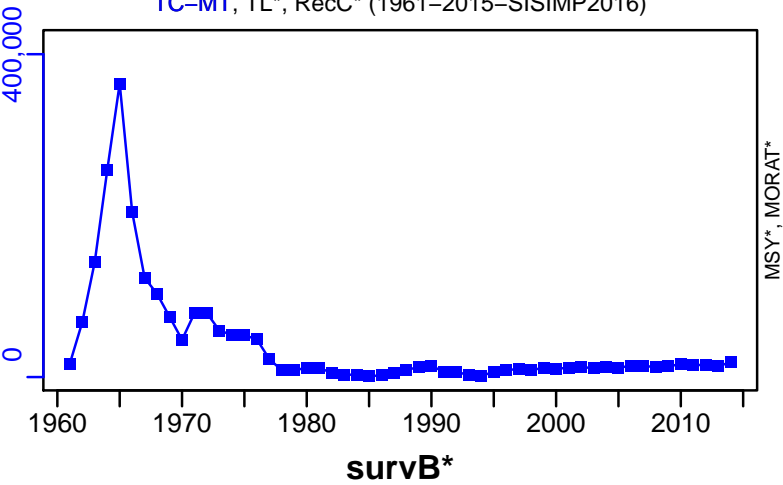


R-E00 (1961-2015-SISIMP2016)



Pacific ocean perch Gulf of Alaska [POPERCHGA]

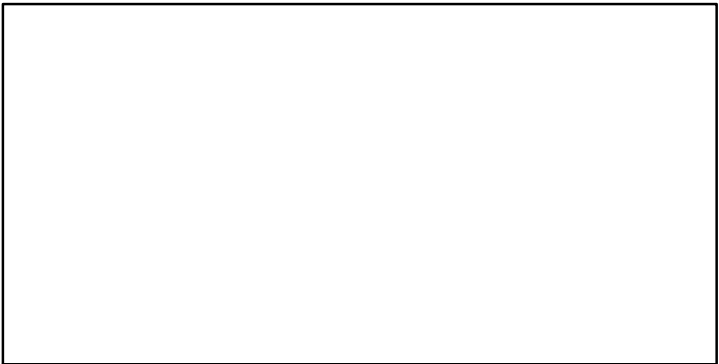
TC-MT, TL*, RecC* (1961-2015-SISIMP2016)



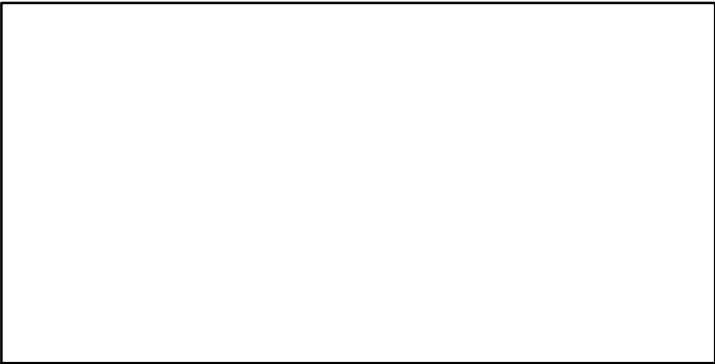
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*

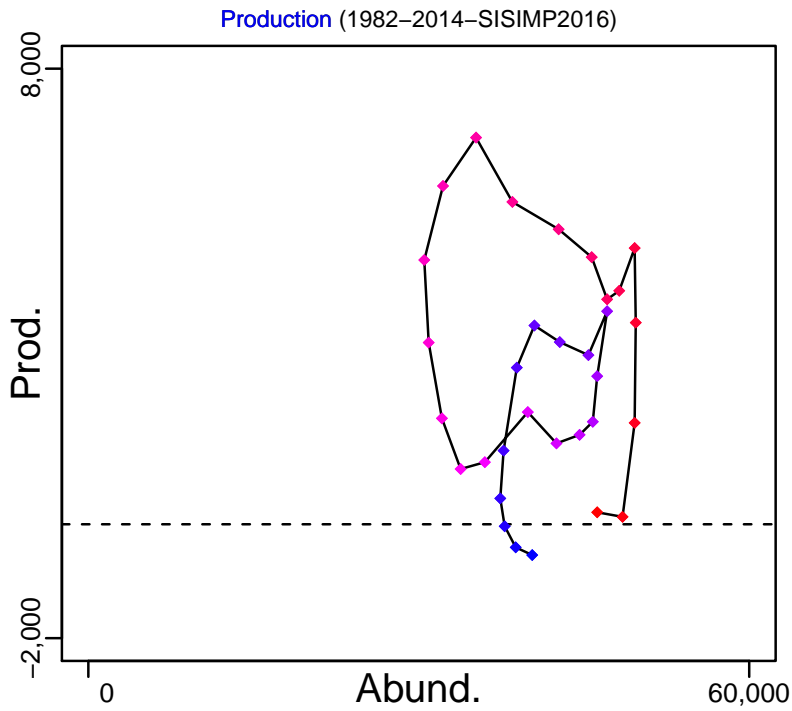
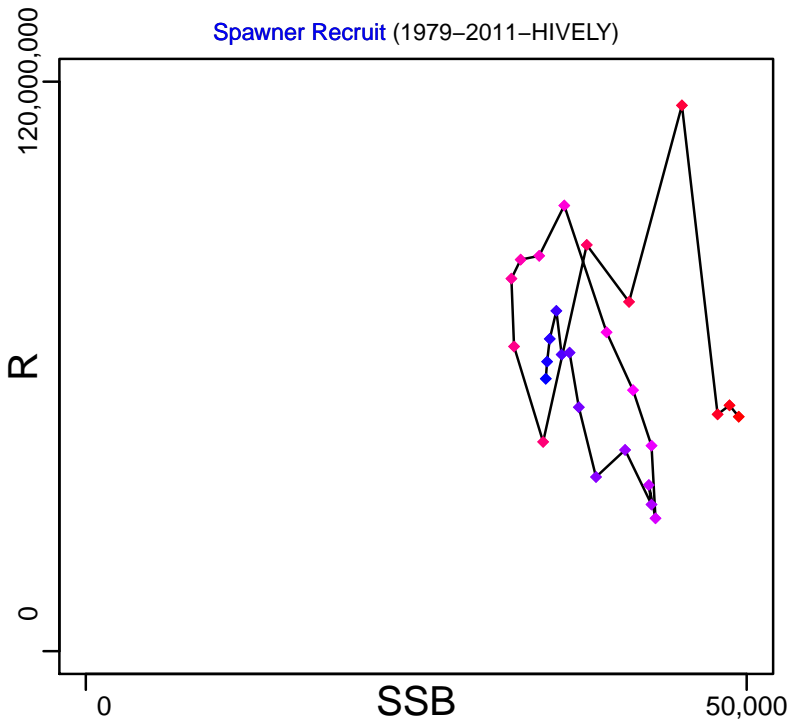
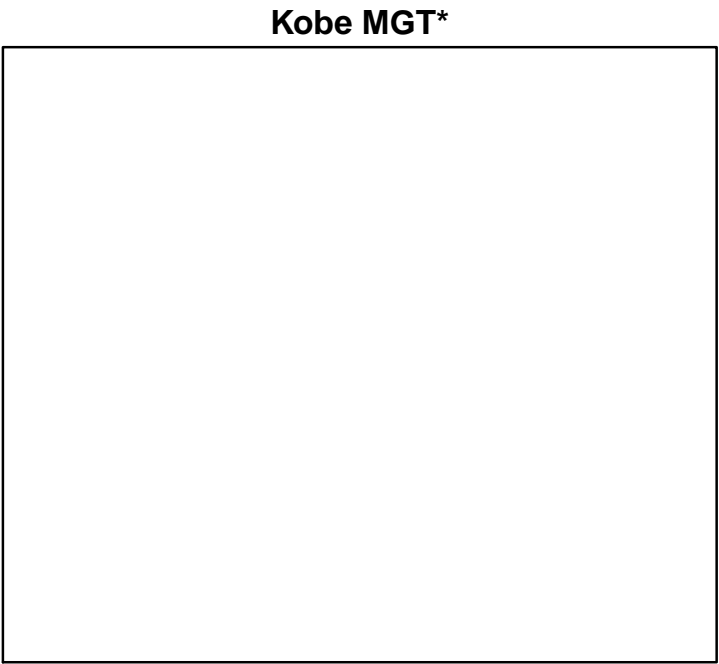
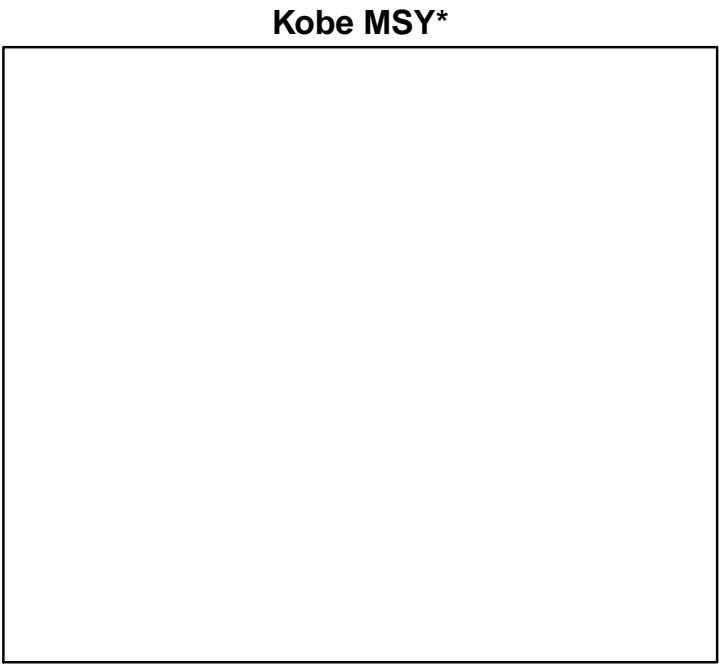


Rex sole Gulf of Alaska [REXSOLEGA]

Metadata	
Scientific Name	Glyptocephalus zachirus
Current Assess ID	AFSC-REXSOLEGA-1982-2014-SISIMP2016
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-pr-1/yr	2011	0.17
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.13
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.17
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

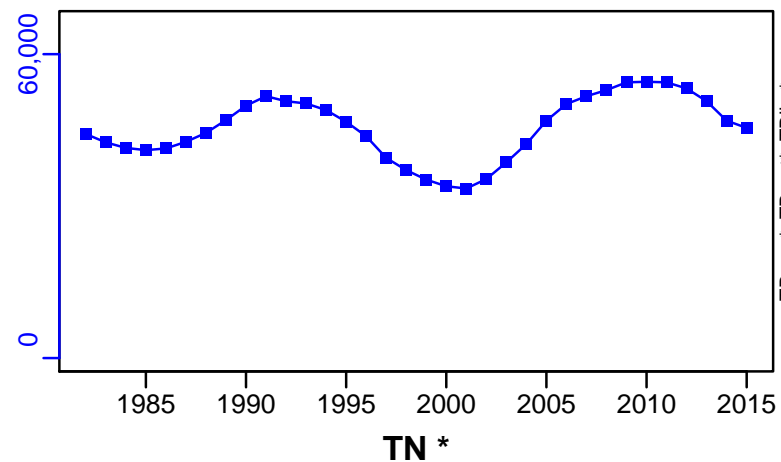
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	41,400	-	0+
SSB	SSB-MT	2011	52,600	Females	-
TN	-	-	-	-	-
R	R-E00	2011	49,400,000	-	3
F	F-1/yr	2011	0	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	3580		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2011	0.58		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	0.77		
ER/ERmgt	-	-	-		



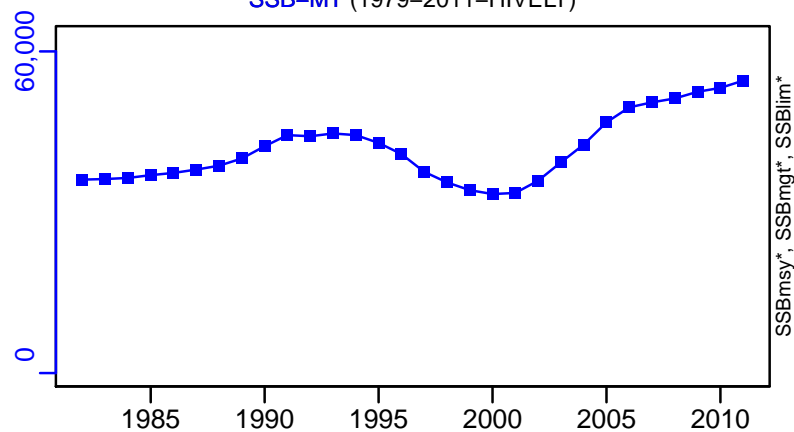
◆ Start Year ◆ End Year * No Data

Rex sole Gulf of Alaska [REXSOLEGA]

TB-MT (1982–2014–SISIMP2016)



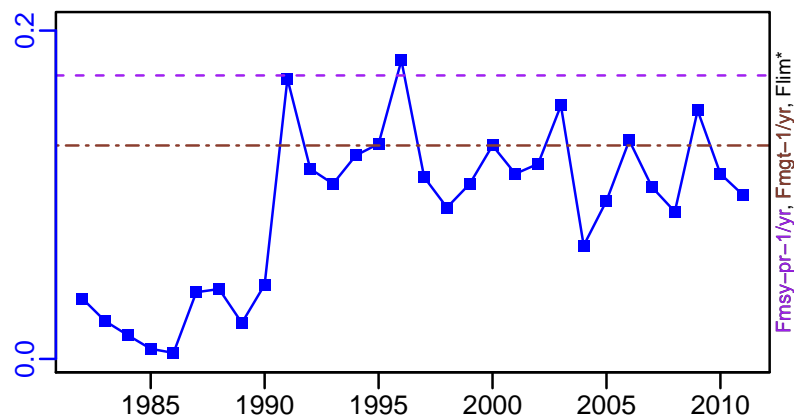
SSB-MT (1979–2011–HIVELY)



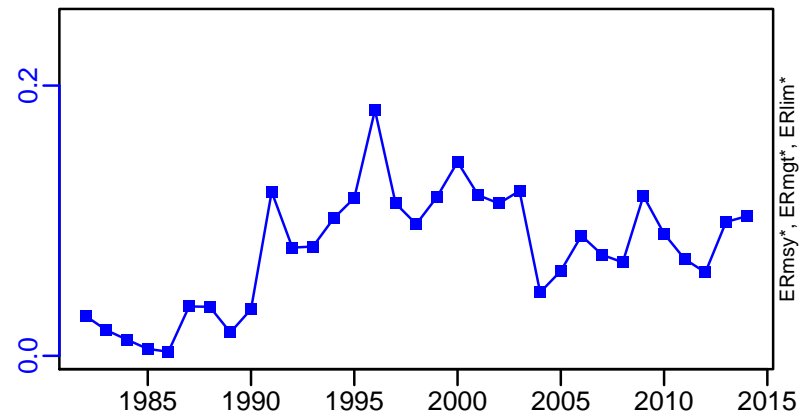
TN *



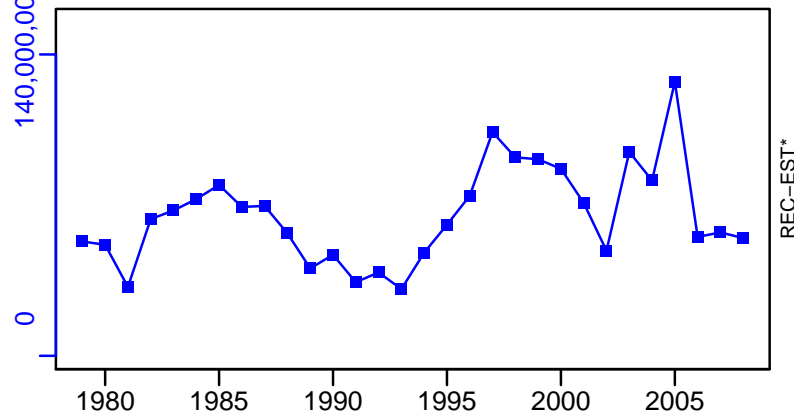
F-1/yr (1979–2011–HIVELY)



ER-calc-ratio (1982–2014–SISIMP2016)



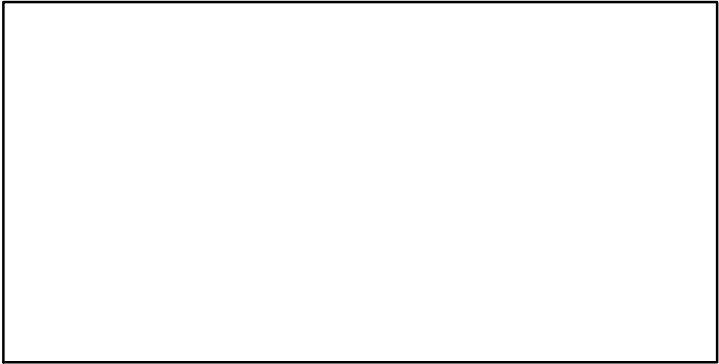
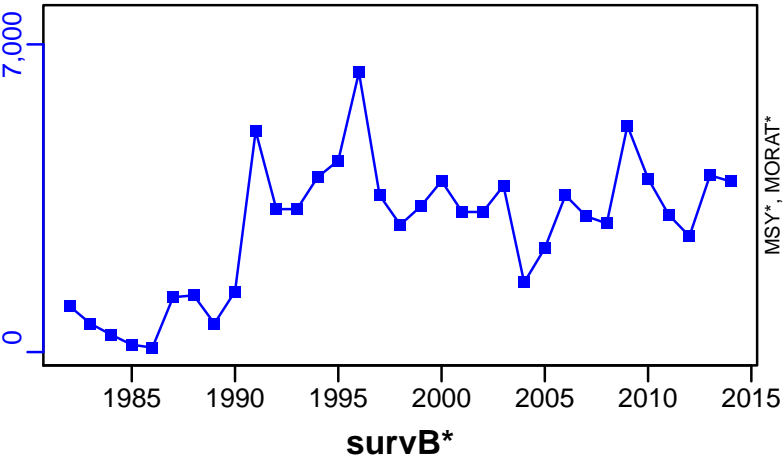
R-E00 (1979–2011–HIVELY)



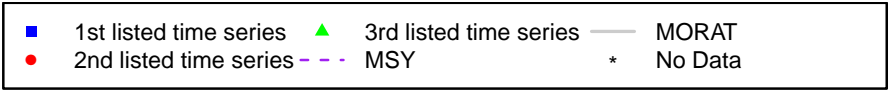
Rex sole Gulf of Alaska [REXSOLEGA]

TC-MT, TL*, RecC* (1982-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Rougheye rockfish Bering Sea and Aleutian Islands [REYEROCKBSAI]

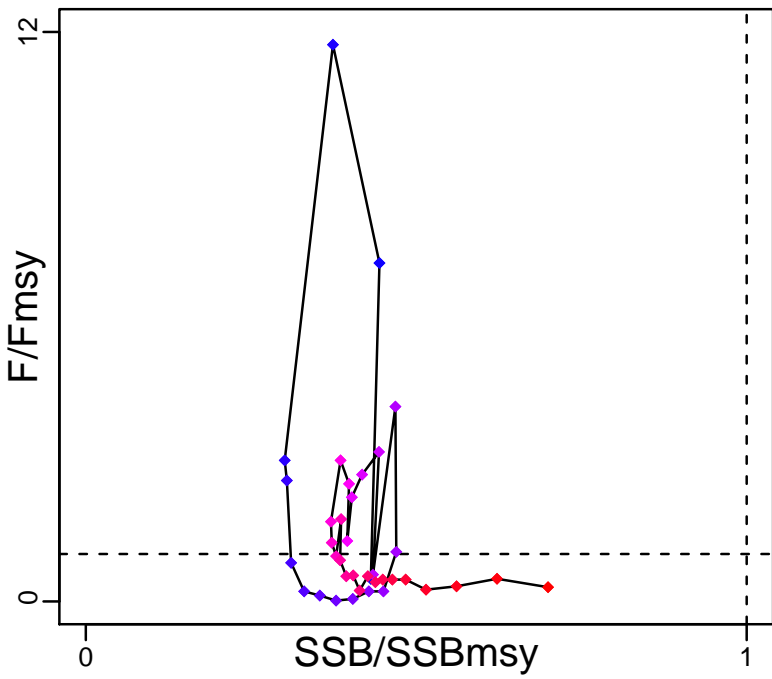
Metadata	
Scientific Name	Sebastes aleutianus
Current Assess ID	AFSC-REYEROCKBSAI-1974-2015-HIVELY
Area	Bering Sea and Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-pr-MT	2015	9977
Fmsy	Fmsy-pr-1/yr	2015	0.06
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2015	0.03
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

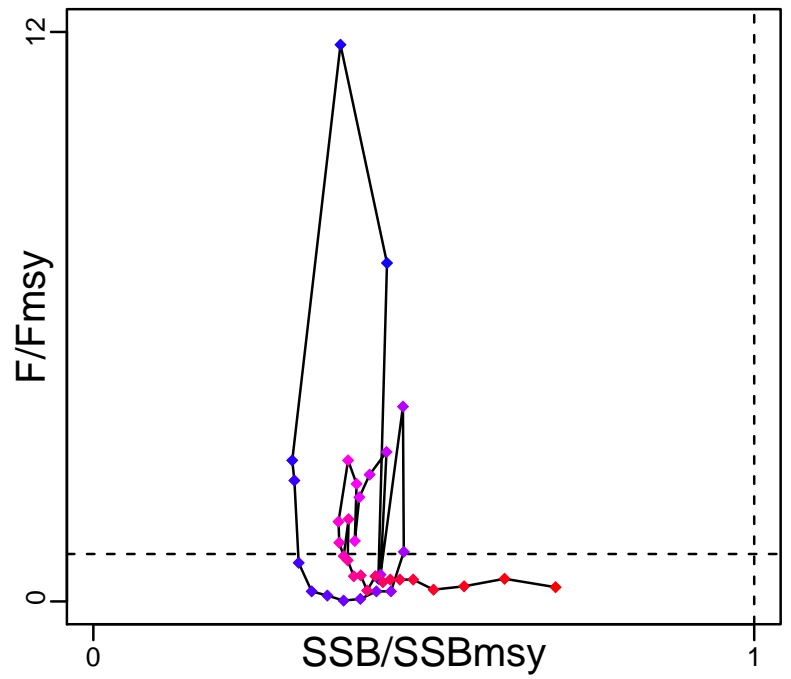
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	40,400	Both	3+
SSB	SSB-MT	2015	6980	Females	3+
TN	-	-	-	-	-
R	R-E00	2015	1,560,000	-	3
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	194		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2015	0.7		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2015	0.3		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Rougheye rockfish Bering Sea and Aleutian Islands [REYEROCKBSAI]

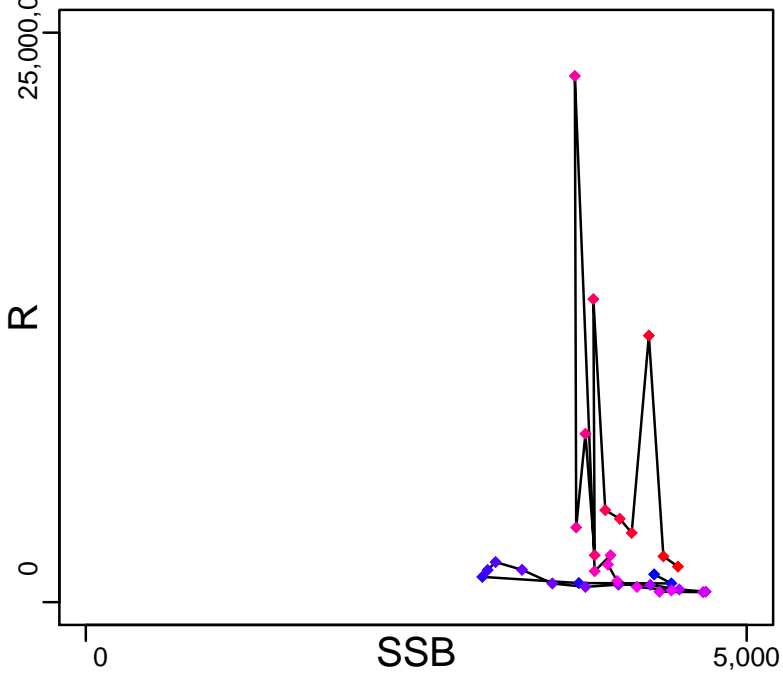
Kobe MSYpref (1974–2015–HIVELY)



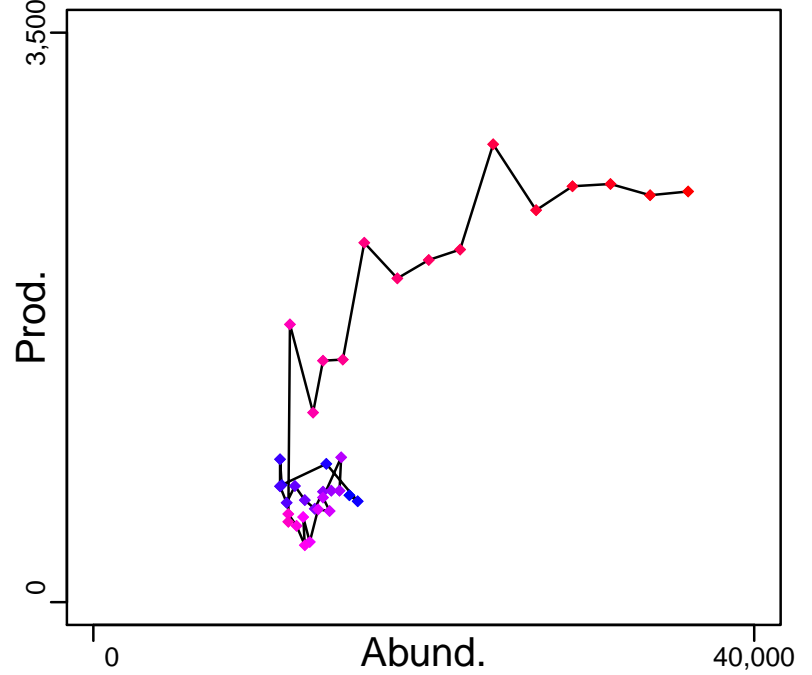
Kobe MGTpref (1974–2015–HIVELY)



Spawner Recruit (1974–2015–HIVELY)



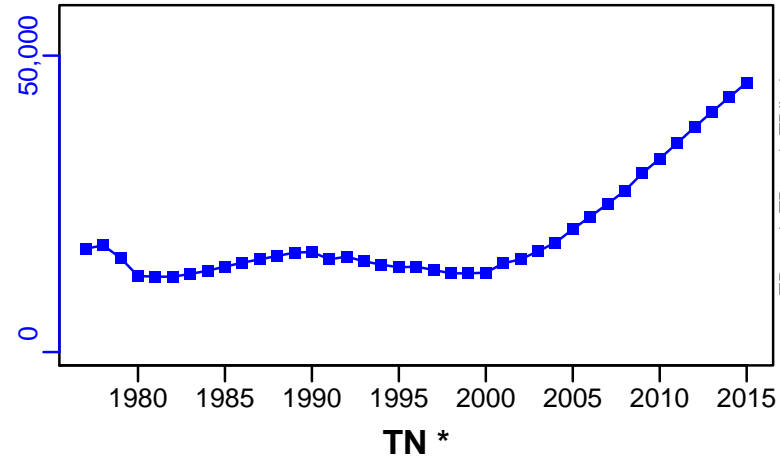
Production (1974–2015–HIVELY)



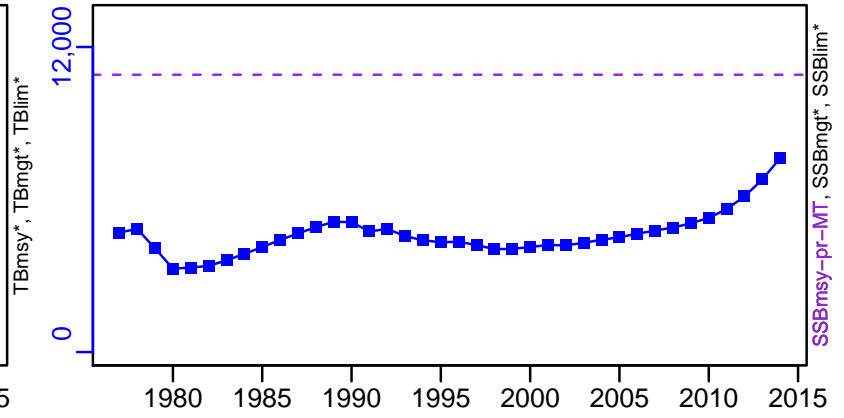
◆ Start Year ◆ End Year * No Data

Roughye rockfish Bering Sea and Aleutian Islands [REYEROCKBSAI]

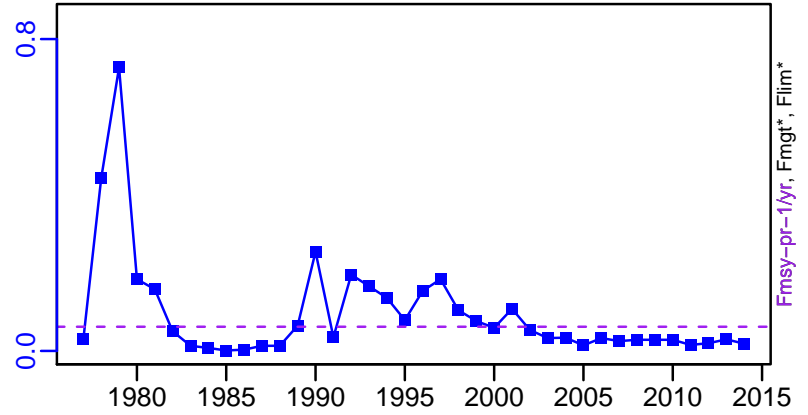
TB-MT (1974-2015-HIVELY)



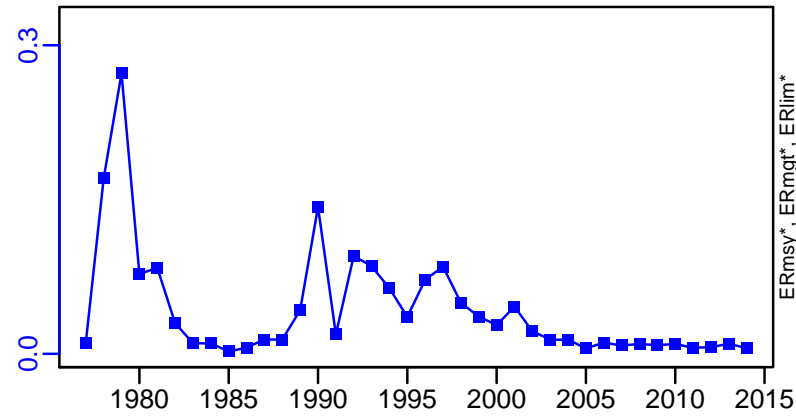
SSB-MT (1974-2015-HIVELY)



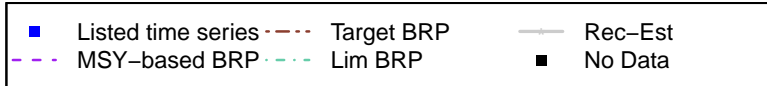
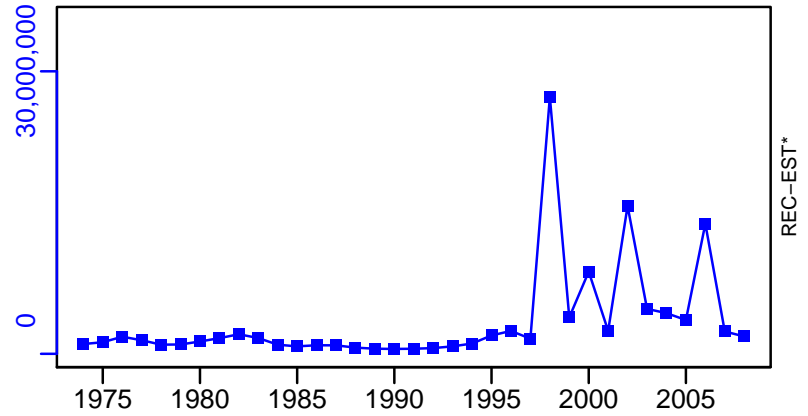
F-1/yr (1974-2015-HIVELY)



ER-calc-ratio (1974-2015-HIVELY)



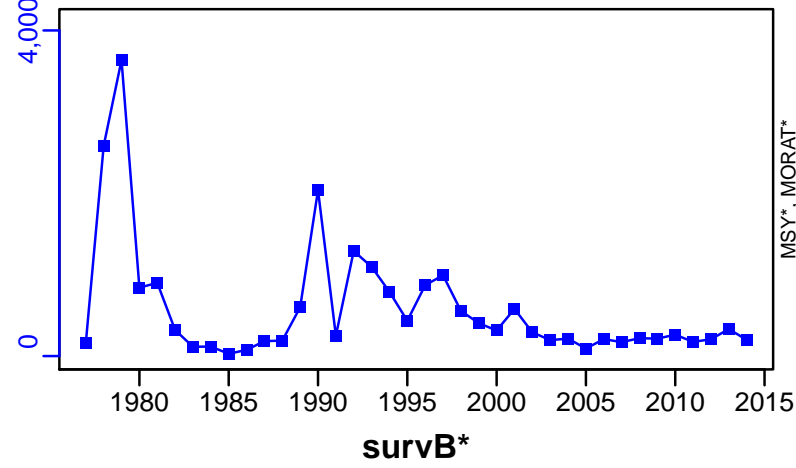
R-E00 (1974-2015-HIVELY)



Rougheye rockfish Bering Sea and Aleutian Islands [REYEROCKBSAI]

TC-MT, TL*, RecC* (1974-2015-HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*



Rougheye rockfish Gulf of Alaska [REYEROCKGA]

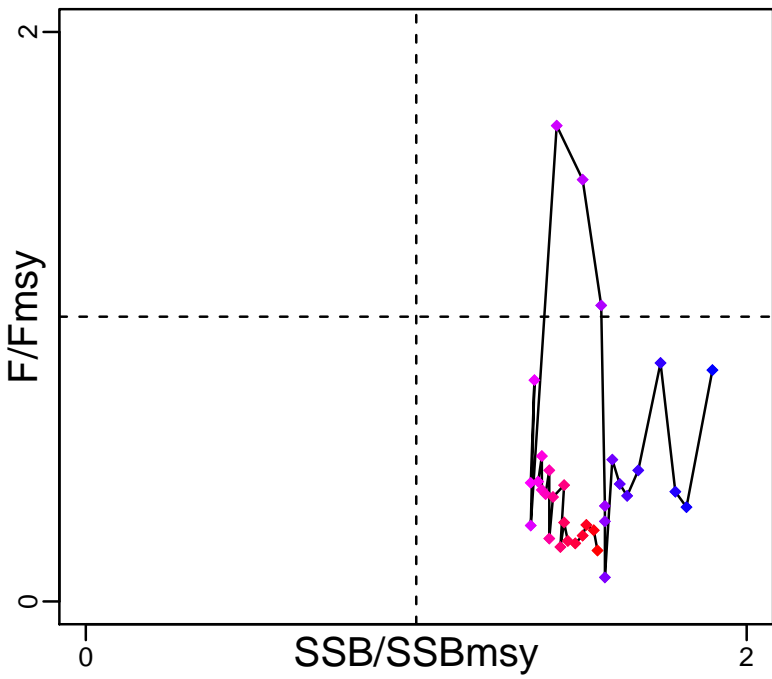
Metadata	
Scientific Name	Sebastes aleutianus
Current Assess ID	AFSC-REYEROCKGA-1974-2010-STACHURA
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-pr-MT	2010	8912
Fmsy	Fmsy-pr-1/yr	2010	0.05
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.03
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

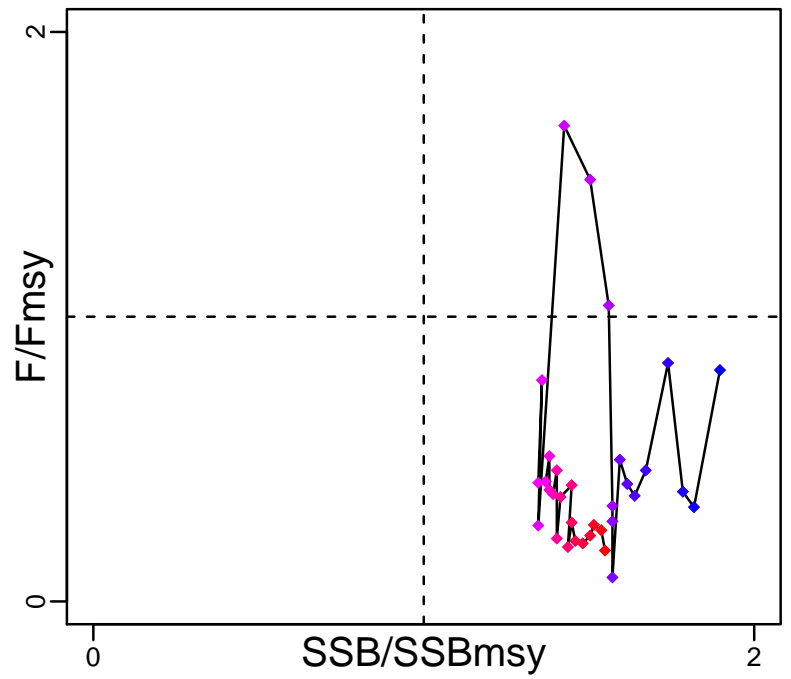
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2010	45,400	-	-
SSB	SSB-MT	2010	13,800	Females	19+
TN	-	-	-	-	-
R	R-E00	2010	1,160,000	-	-
F	F-1/yr	2010	0	-	-
ER	ER-ratio	2010	0	-	-
TC	TC-MT	2010	445		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2010	1.55		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2010	0.18		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Rougeye rockfish Gulf of Alaska [REYEROCKGA]

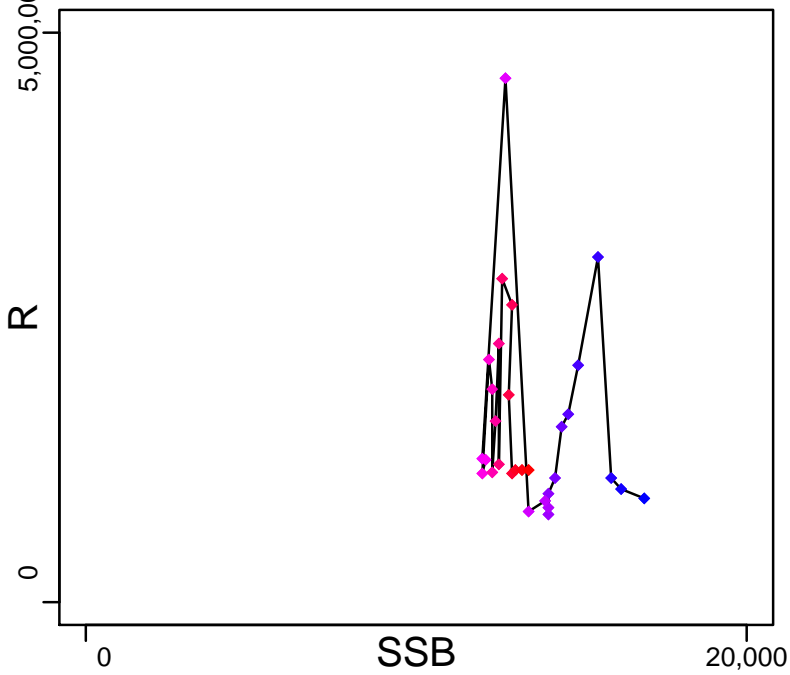
Kobe MSYpref (1974–2010–STACHURA)



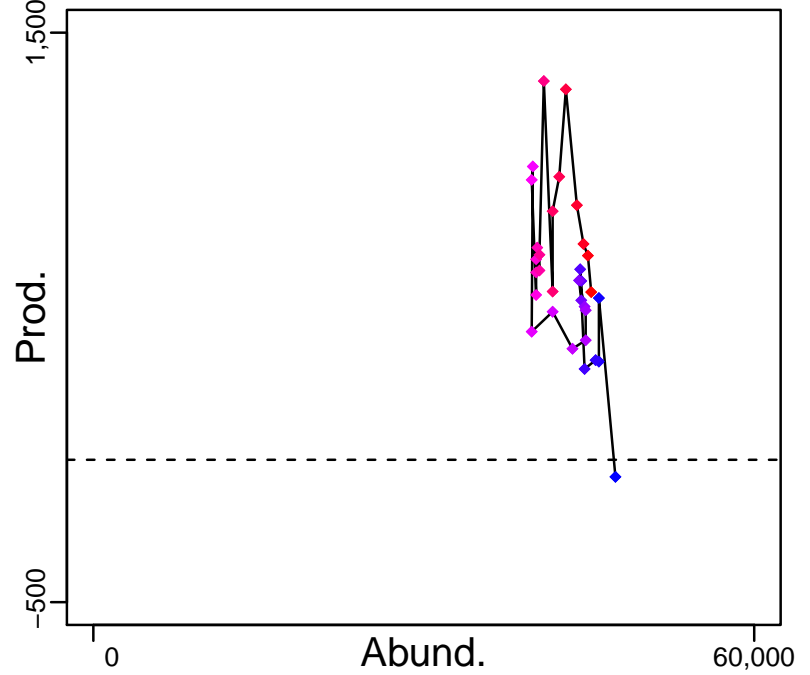
Kobe MGTpref (1974–2010–STACHURA)



Spawner Recruit (1974–2010–STACHURA)



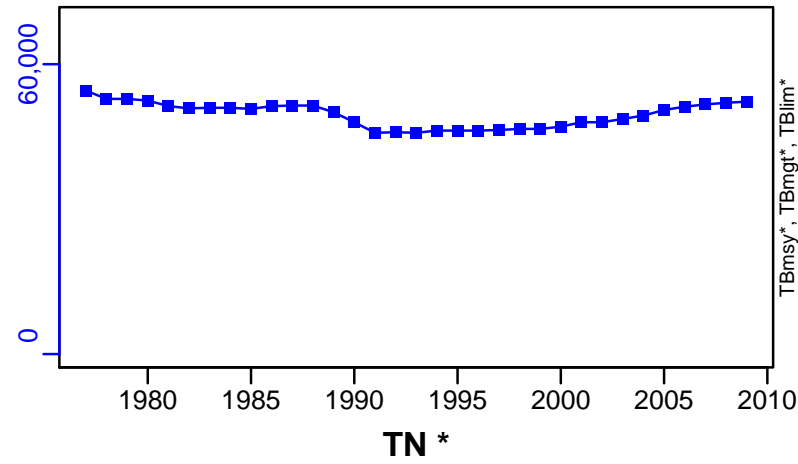
Production (1974–2010–STACHURA)



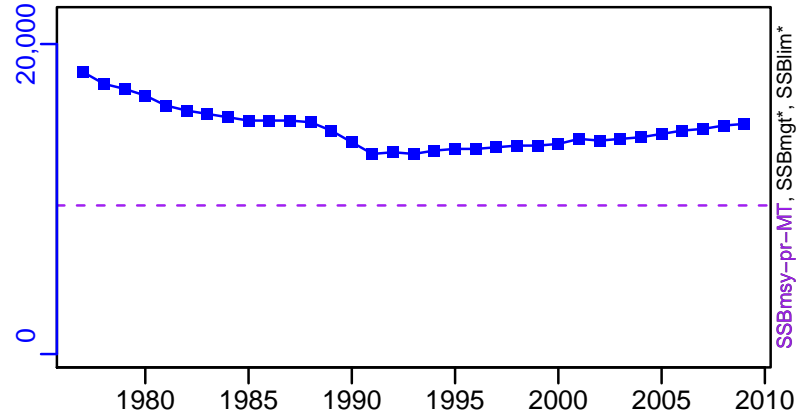
◆ Start Year ◆ End Year * No Data

Rougeye rockfish Gulf of Alaska [REYEROCKGA]

TB-MT (1974-2010-STACHURA)



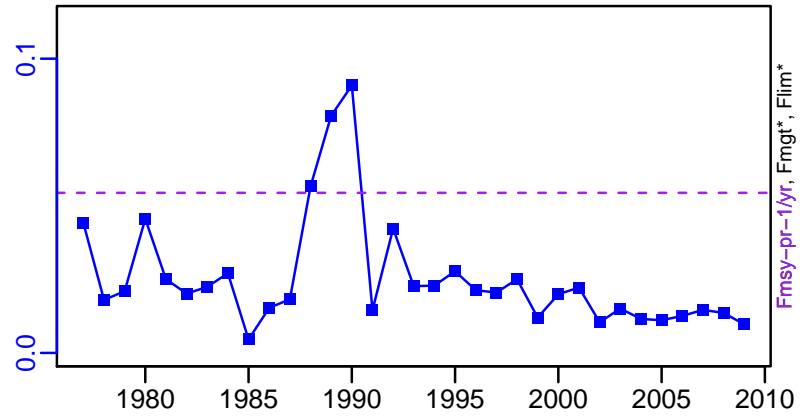
SSB-MT (1974-2010-STACHURA)



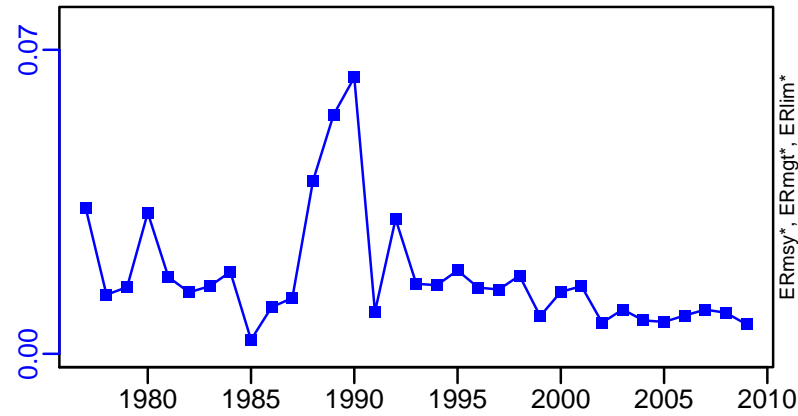
TN *



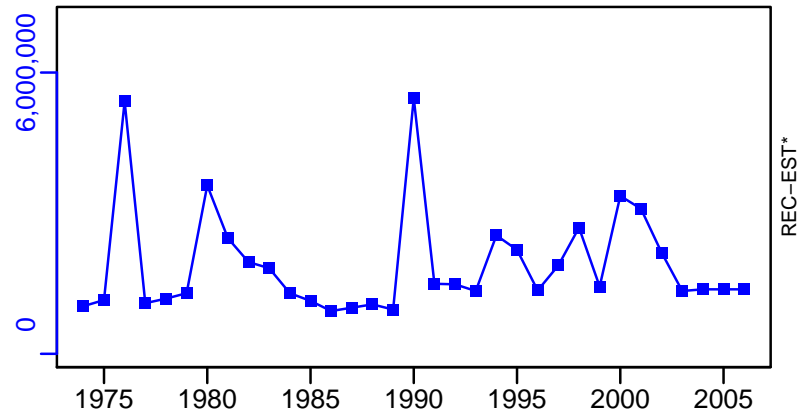
F-1/yr (1974-2010-STACHURA)



ER-ratio (1974-2010-STACHURA)

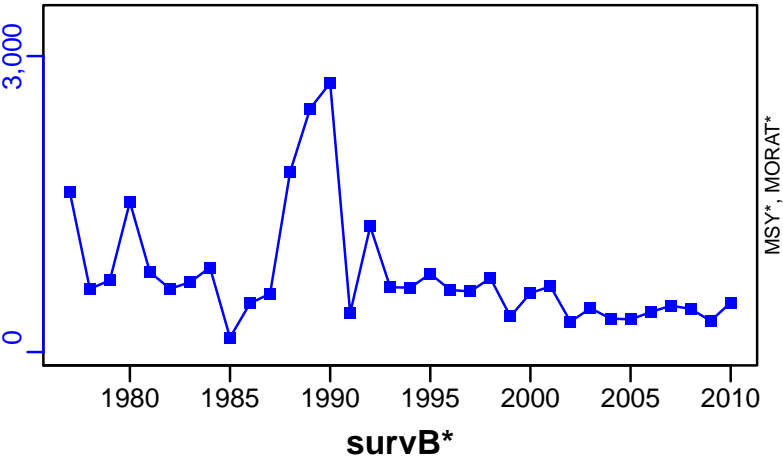


R-E00 (1974-2010-STACHURA)



Rougheye rockfish Gulf of Alaska [REYEROCKGA]

TC-MT, TL*, RecC* (1974-2010-STACHURA)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Red king crab Bristol Bay [RKCRA BBB]

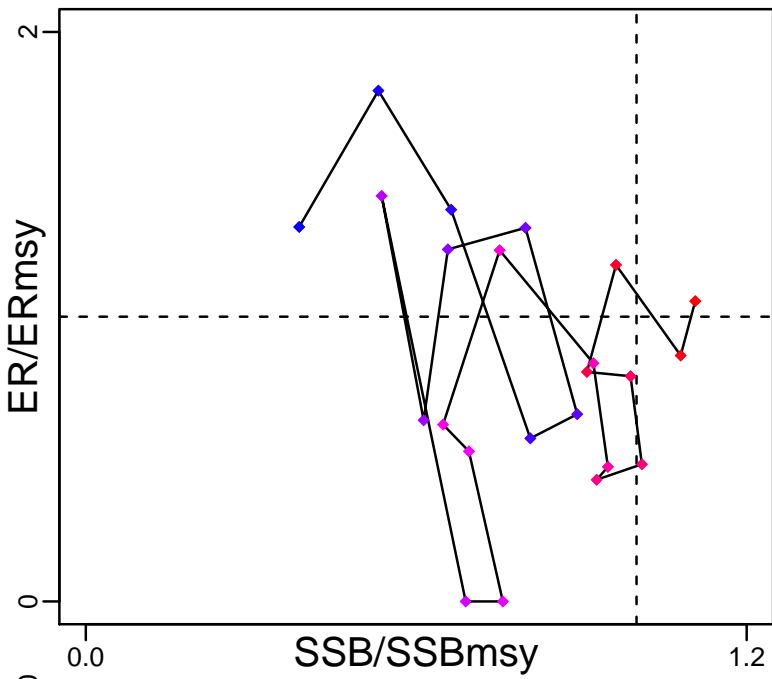
Metadata	
Scientific Name	Paralithodes camtschaticus
Current Assess ID	AFSC-RKCRA BBB-1975-2015-SISIMP2016
Area	Bristol Bay
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2008, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2015	26,100
SSBmsy	SSBmsy-MT	2008	34,070
Fmsy	-	-	-
ERmsy	ERmsy-pr-ratio	2008	0.33
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2008	23,646
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

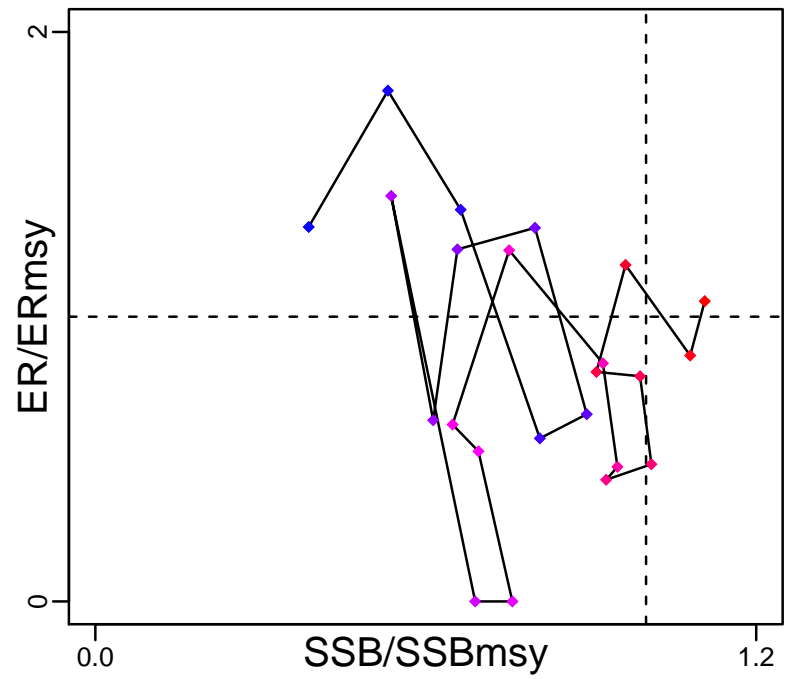
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	86,100	-	-
SSB	SSB-MT	2015	24,700	Females	-
TN	-	-	-	-	-
R	R-E00	2015	14,700,000	-	-
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	5430		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-MT	2015	3.3		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2008	1.27		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-pr-ratio	2008	1.05		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Red king crab Bristol Bay [RKCRA BBB]

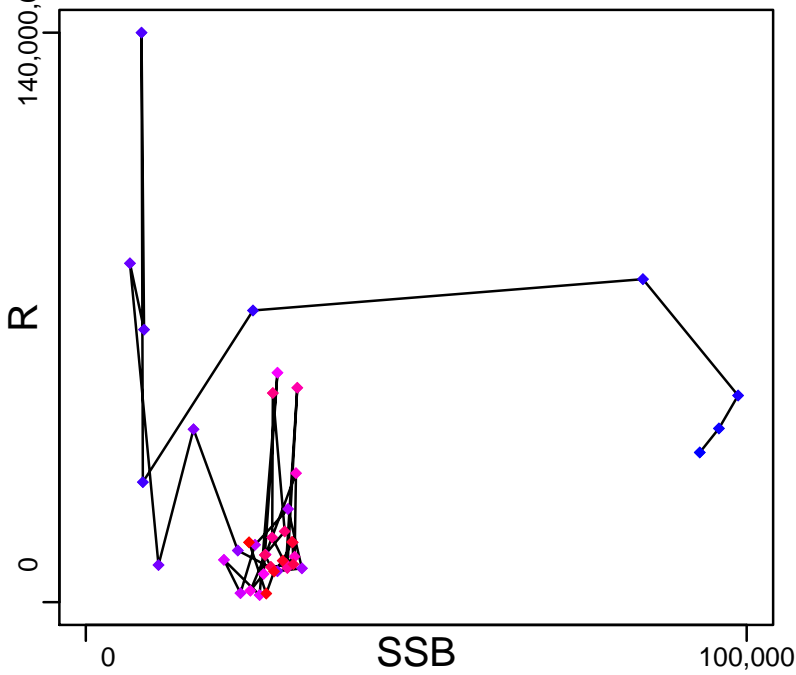
Kobe MSYpref (1960–2008–JENSEN)



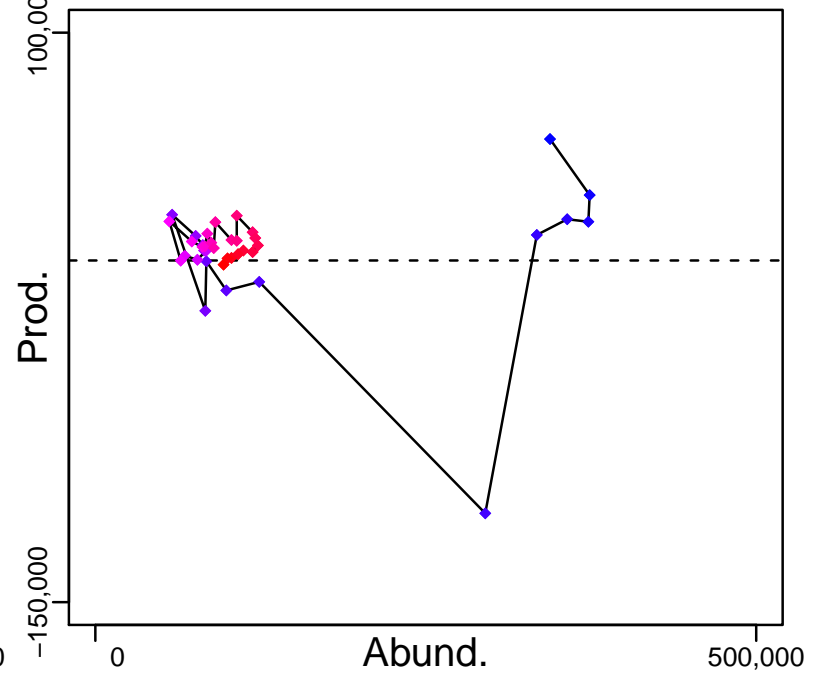
Kobe MGTpref (1960–2008–JENSEN)



Spawner Recruit (1975–2015–SISIMP2016)



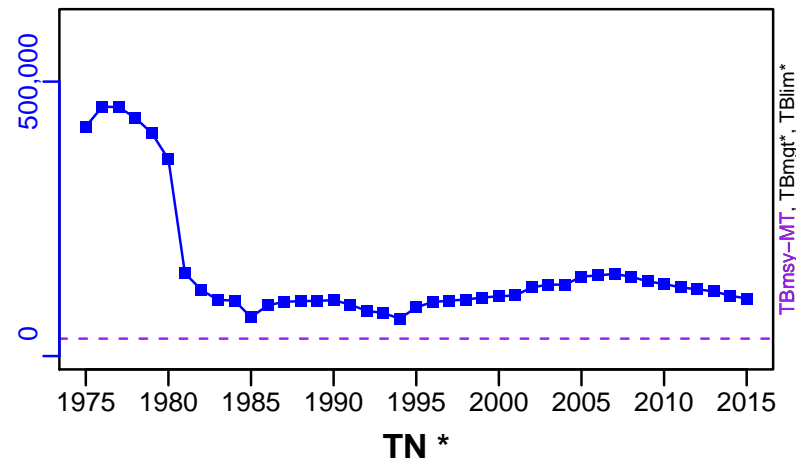
Production (1975–2015–SISIMP2016)



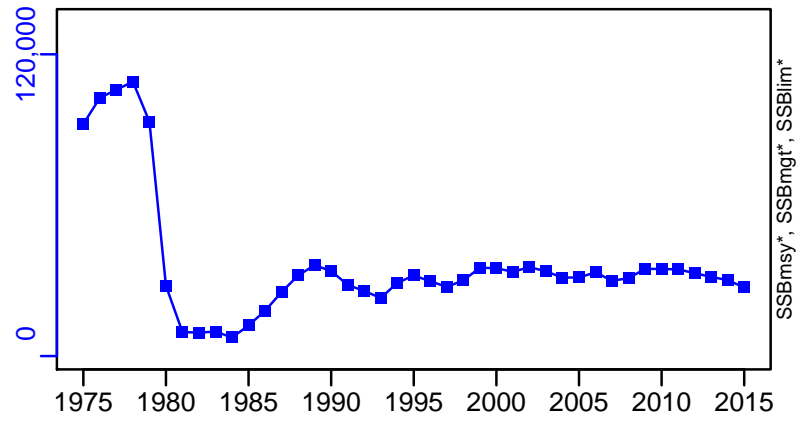
◆ Start Year ◆ End Year * No Data

Red king crab Bristol Bay [RKCRABBB]

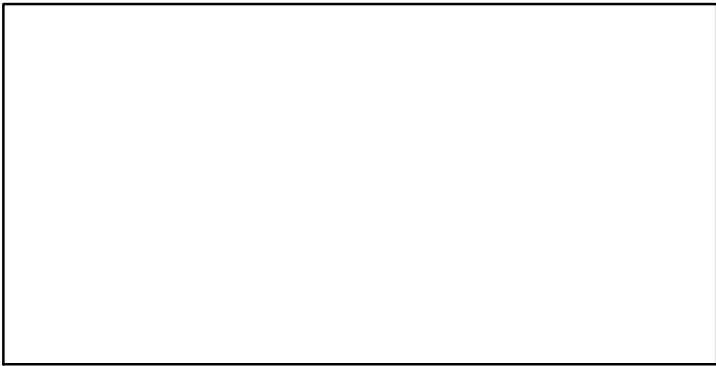
TB-MT (1975–2015–SISIMP2016)



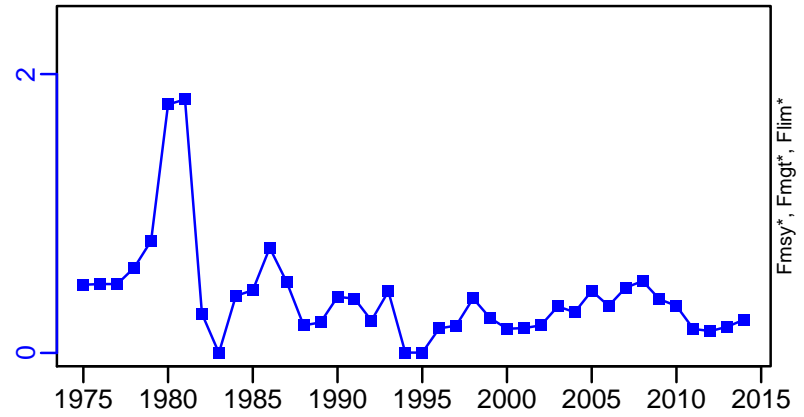
SSB-MT (1975–2015–SISIMP2016)



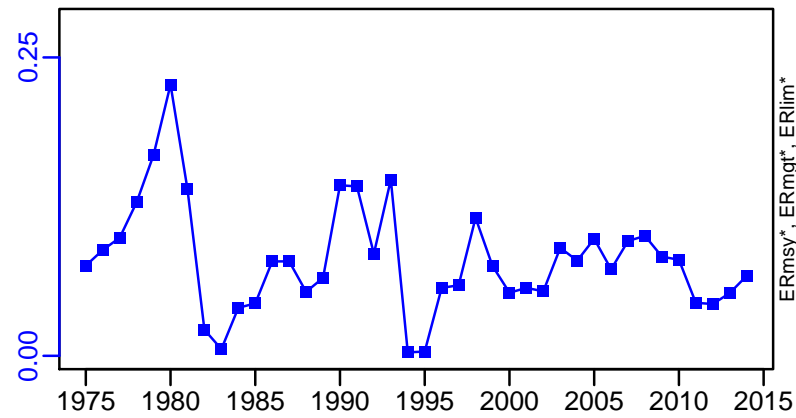
TN *



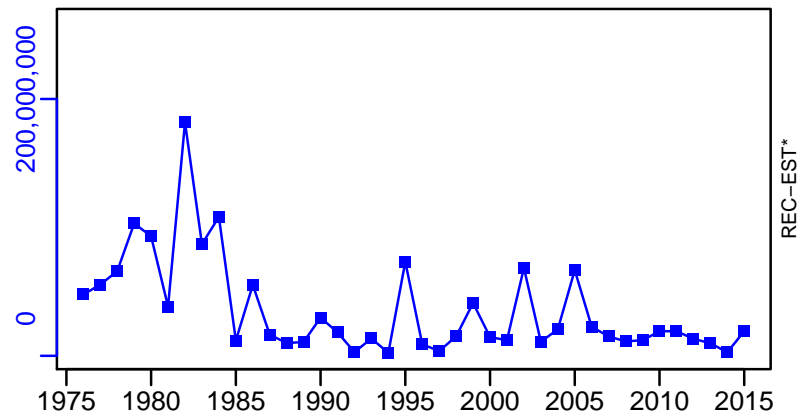
F-1/yr (1975–2015–SISIMP2016)



ER-calc-ratio (1975–2015–SISIMP2016)



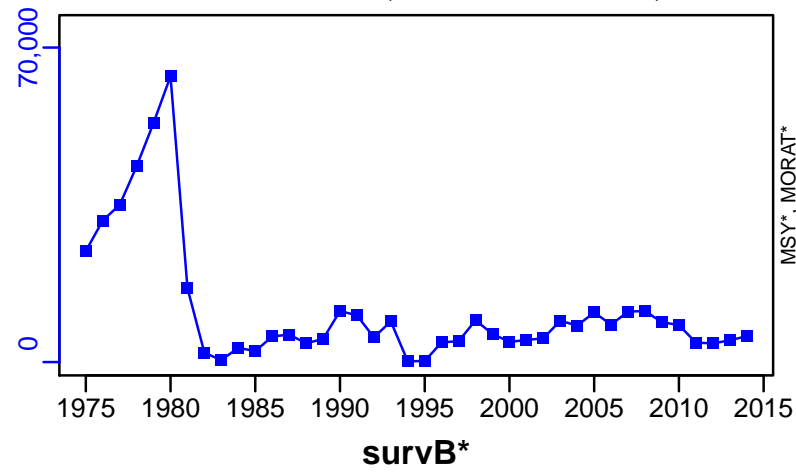
R-E00 (1975–2015–SISIMP2016)



Red king crab Bristol Bay [RKCRA BBB]

TC-MT, TL*, RecC* (1975-2015-SISIMP2016)

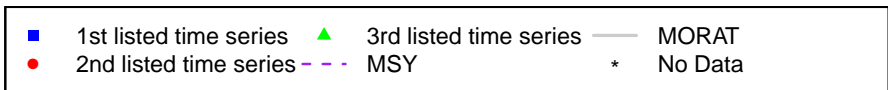
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Red king crab Norton Sound [RKCRA BNS]

Metadata	
Scientific Name	Paralithodes camtschaticus
Current Assess ID	AFSC-RKCRA BNS-1976-2008-JENSEN
Area	Norton Sound
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2008

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2008	1618
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	SSB-MT	2008	2380	Males	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2008	1.47		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Red king crab Norton Sound [RKCRA BNS]

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



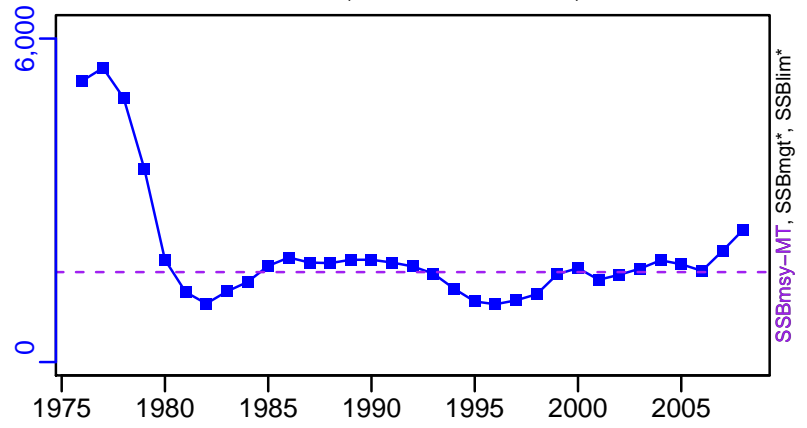
◆ Start Year ◆ End Year * No Data

Red king crab Norton Sound [RKCRABNS]

TB*



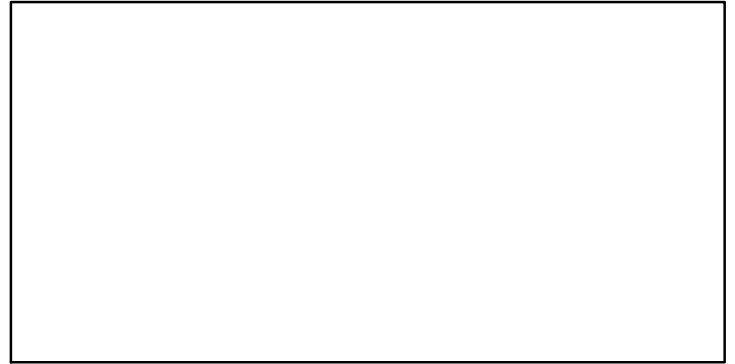
SSB-MT (1976-2008-JENSEN)



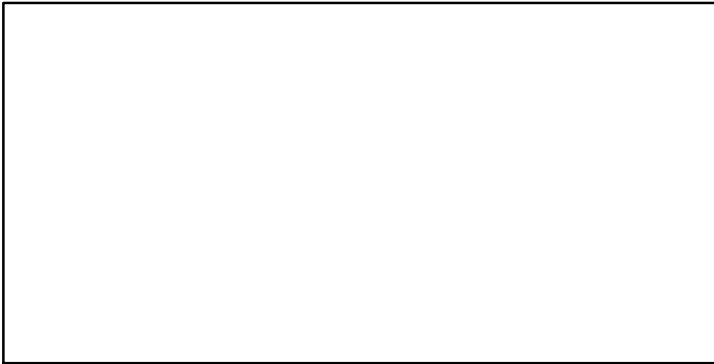
TN *



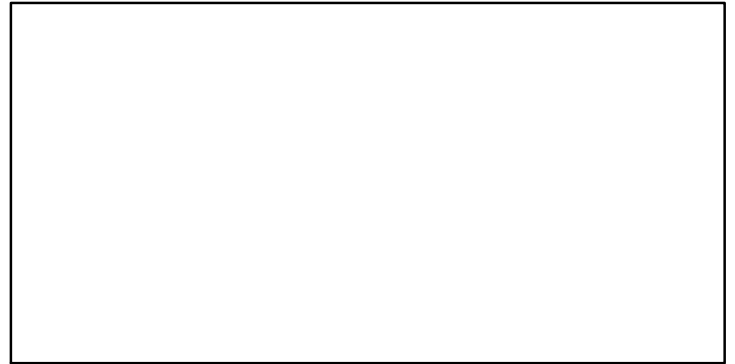
F*



ER*

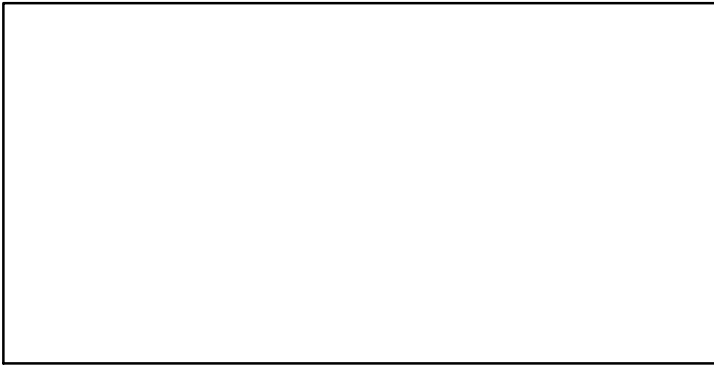


Recruits*

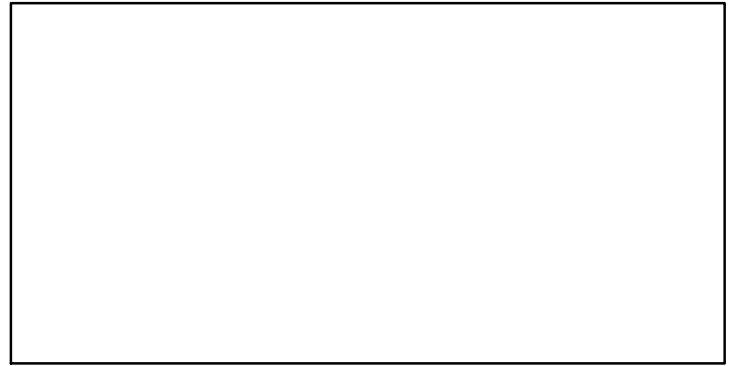


Red king crab Norton Sound [RKCRA BNS]

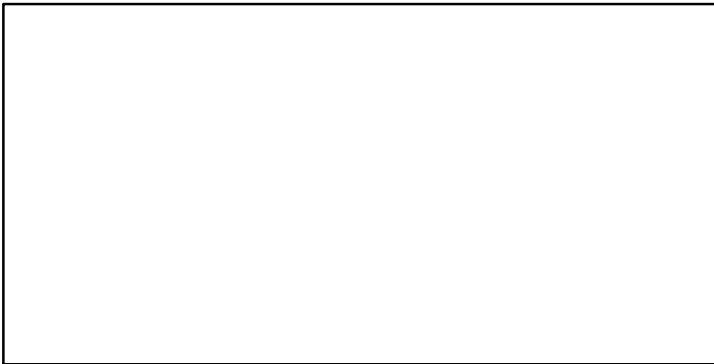
TC*, TL*, RecC*



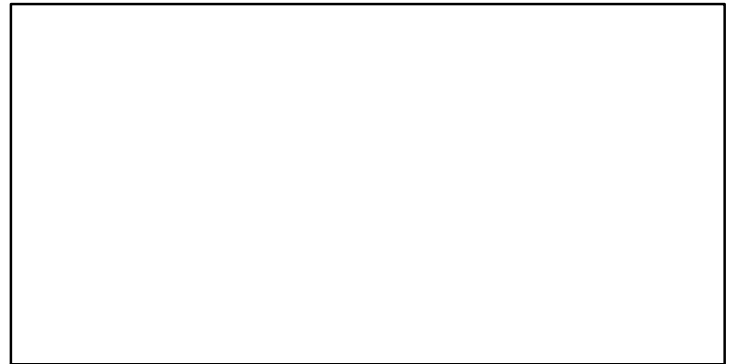
TAC*, Cpair*, Cadv*



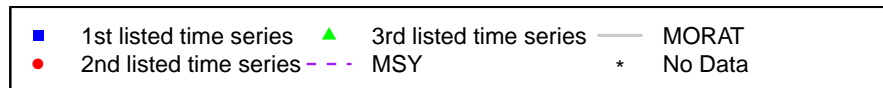
survB*



CPUE*



EFFORT*



Red king crab Pribilof Islands [RKCRAPI]

Metadata	
Scientific Name	Paralithodes camtschaticus
Current Assess ID	AFSC-RKCRAPI-1981-2009-JENSEN
Area	Pribilof Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2009	3928
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2009	0.18
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2009	7790	-	-
SSB	SSB-MT	2009	5670	Males	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2009	0	-	-
TC	TC-MT	2009	0		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2009	1.44		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Red king crab Pribilof Islands [RKCRABPI]

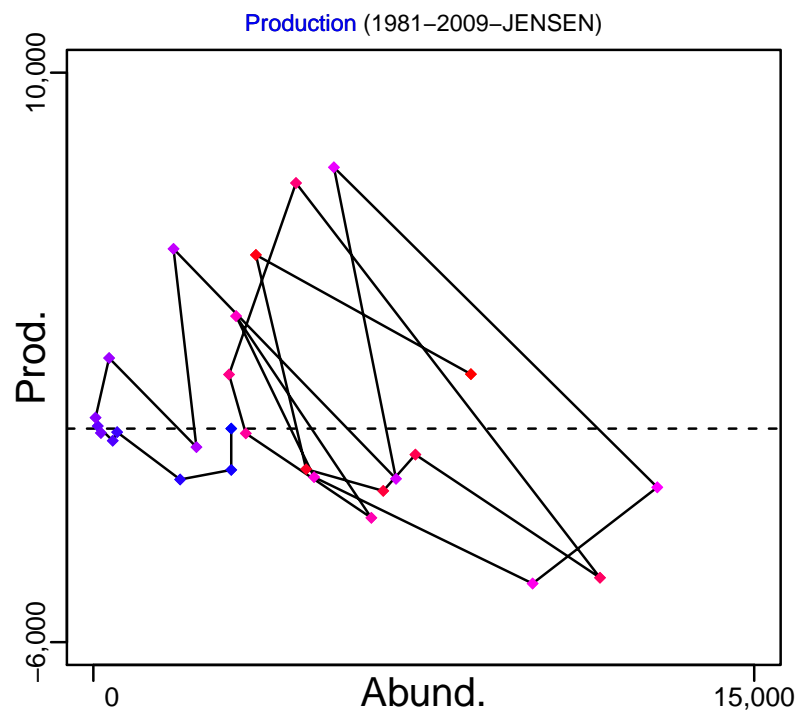
Kobe MSY*



Kobe MGT*



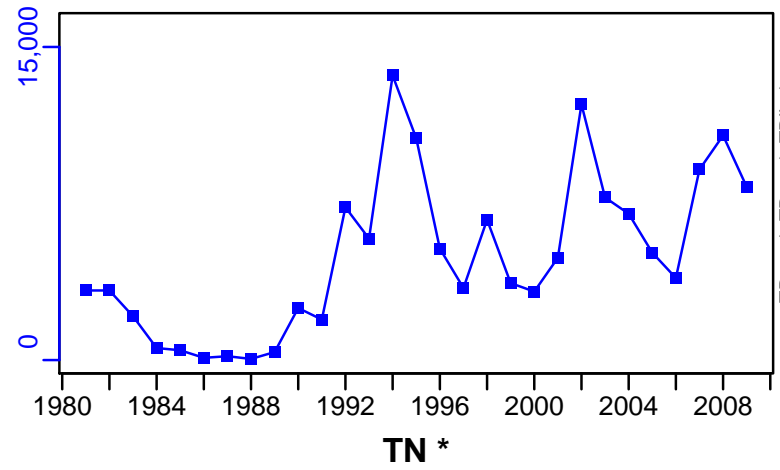
Spawner Recruit*



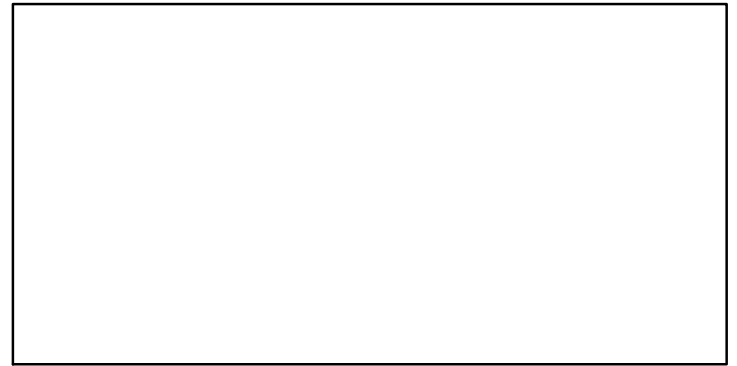
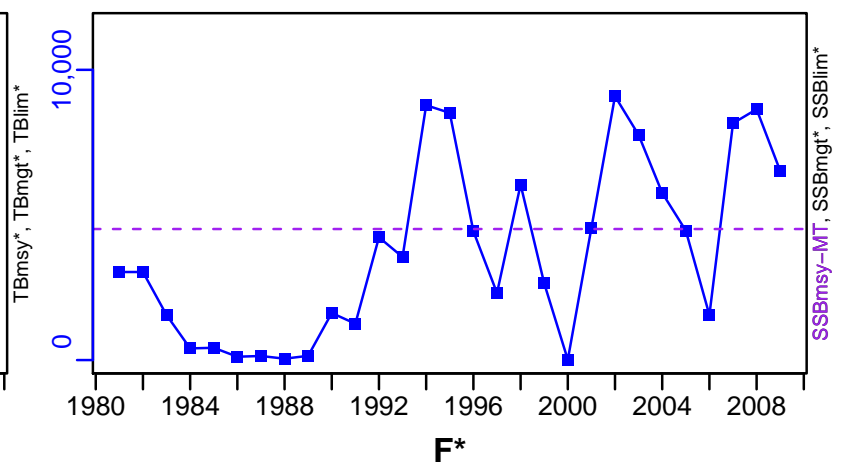
◆ Start Year ◆ End Year * No Data

Red king crab Pribilof Islands [RKCRABPI]

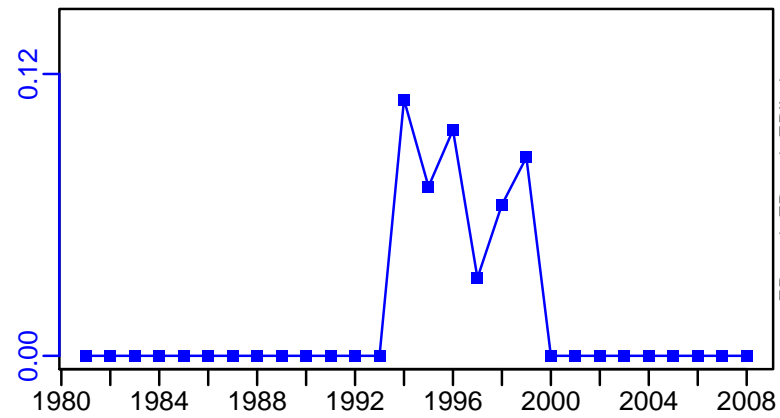
TB-MT (1981-2009-JENSEN)



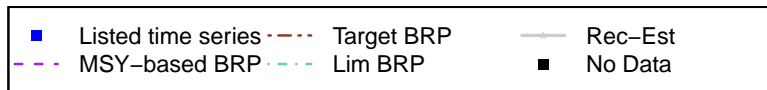
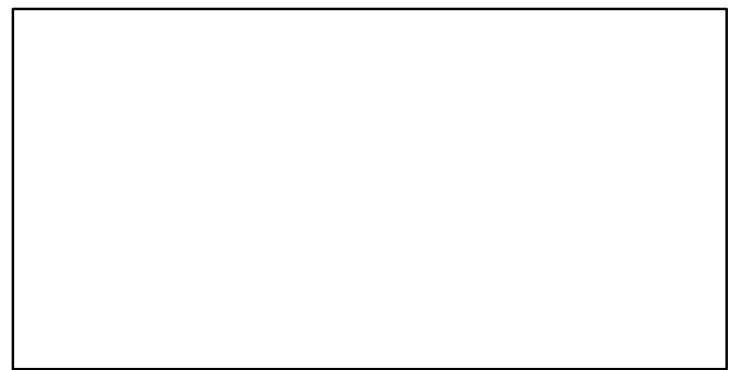
SSB-MT (1981-2009-JENSEN)



ER-calc-ratio (1981-2009-JENSEN)



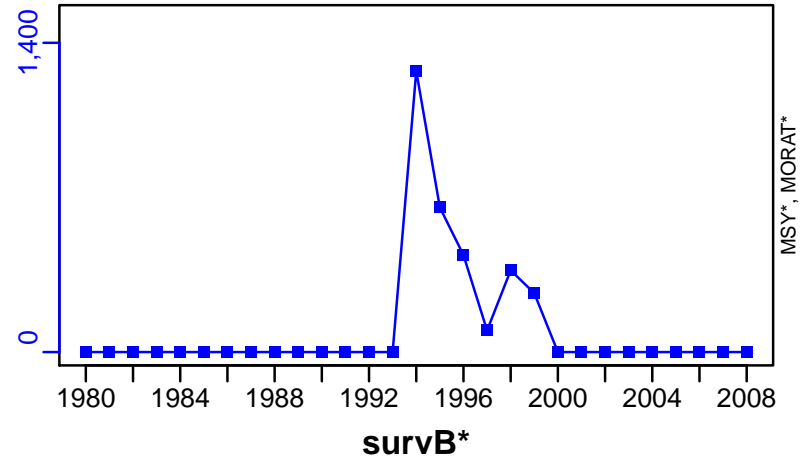
Recruits*



Red king crab Pribilof Islands [RKCRABPI]

TC-MT, TL*, RecC* (1981-2009-JENSEN)

TAC*, Cpair*, Cadv*



Rock sole Gulf of Alaska [RSOLEGA]

Metadata	
Scientific Name	Lepidopsetta bilineata
Current Assess ID	AFSC-RSOLEGA-1977-2015-SISIMP2016
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	32,700
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	2015	156,000	-	3+
SSB	SSB-MT	2015	84,000	Females	-
TN	-	-	-	-	-
R	R-E00	2015	2.22×10^8	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	1720		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	2.57		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Rock sole Gulf of Alaska [RSOLEGA]

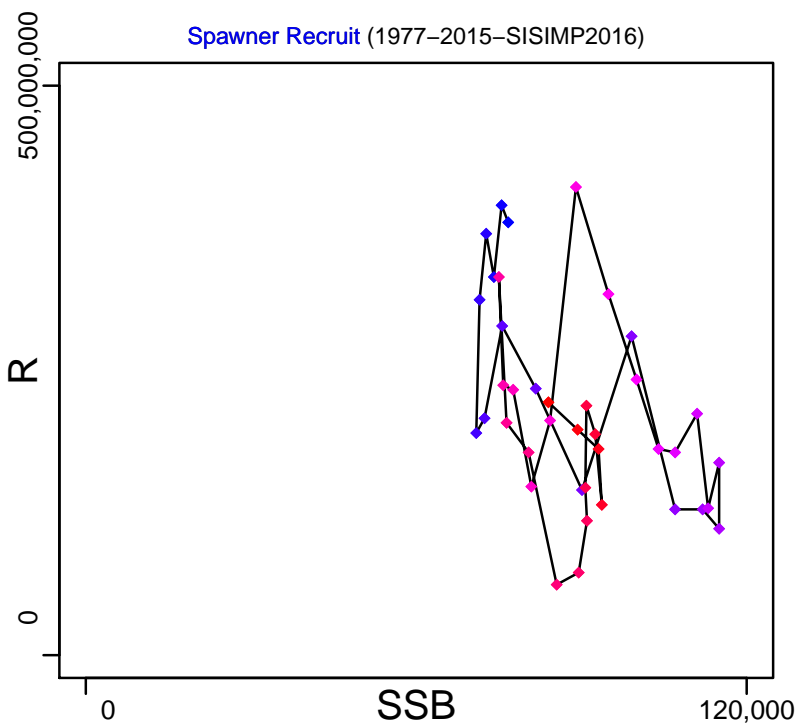
Kobe MSY*



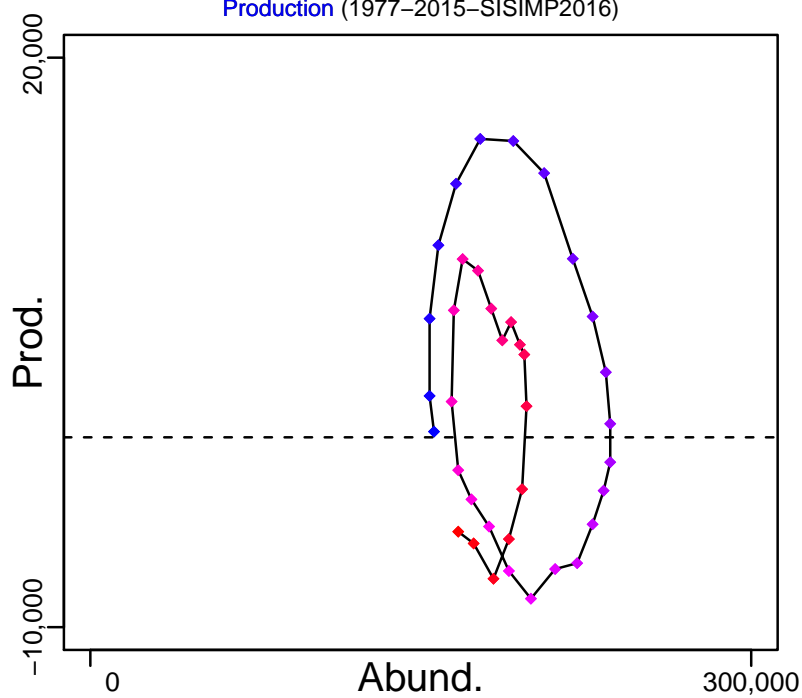
Kobe MGT*



Spawner Recruit (1977–2015–SISIMP2016)



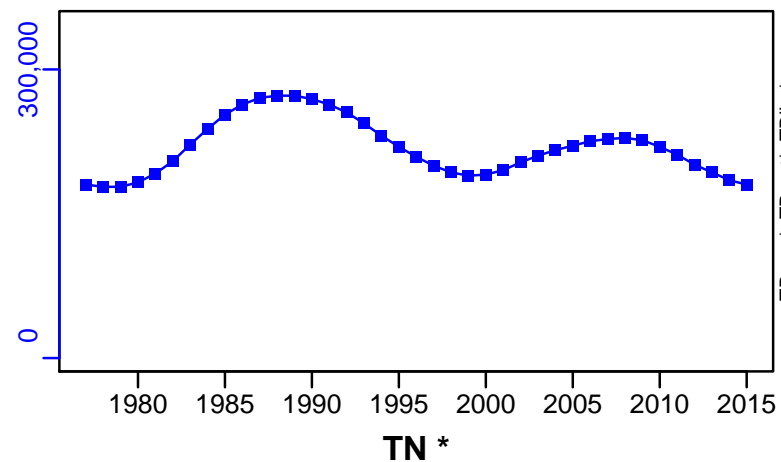
Production (1977–2015–SISIMP2016)



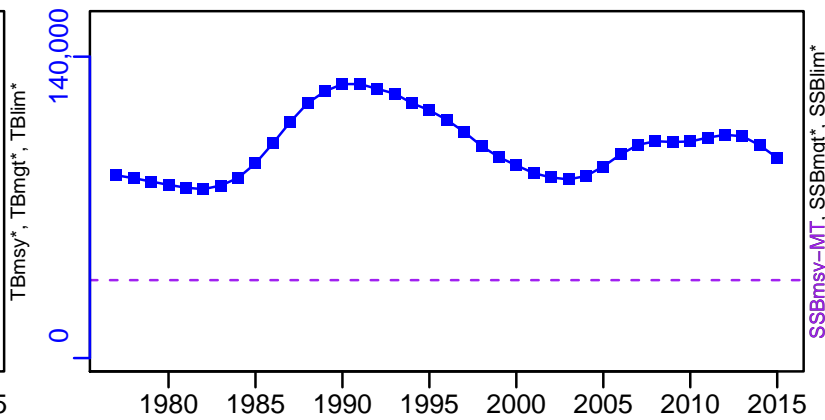
◆ Start Year ◆ End Year * No Data

Rock sole Gulf of Alaska [RSOLEGA]

TB-MT (1977-2015-SISIMP2016)



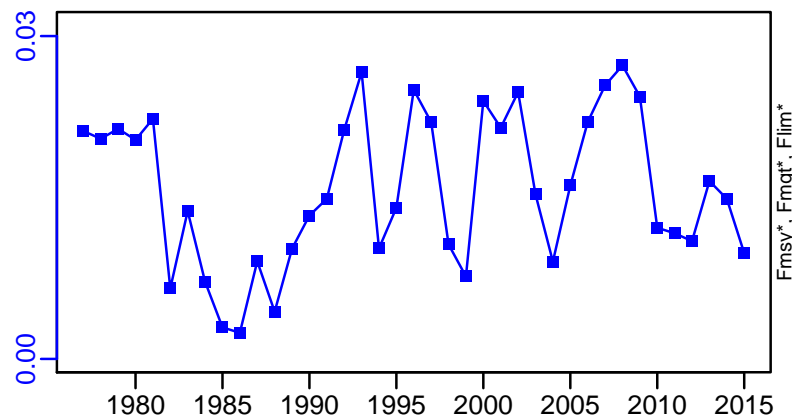
SSB-MT (1977-2015-SISIMP2016)



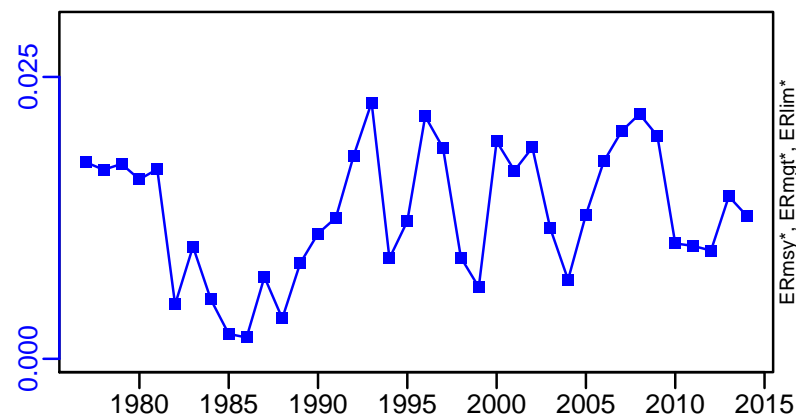
TN *



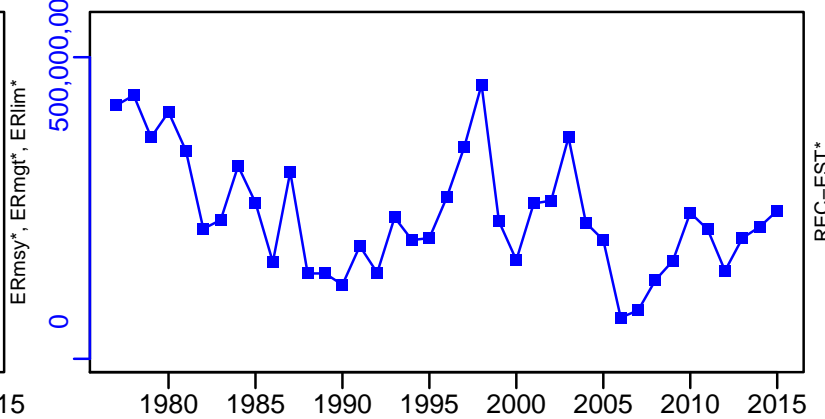
F-1/yr (1977-2015-SISIMP2016)



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



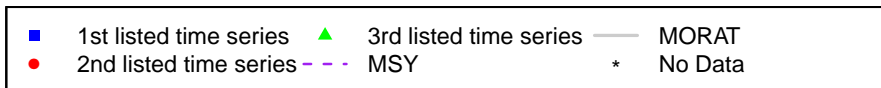
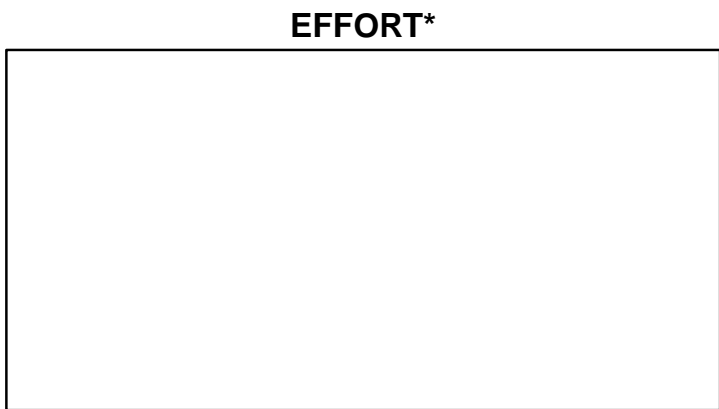
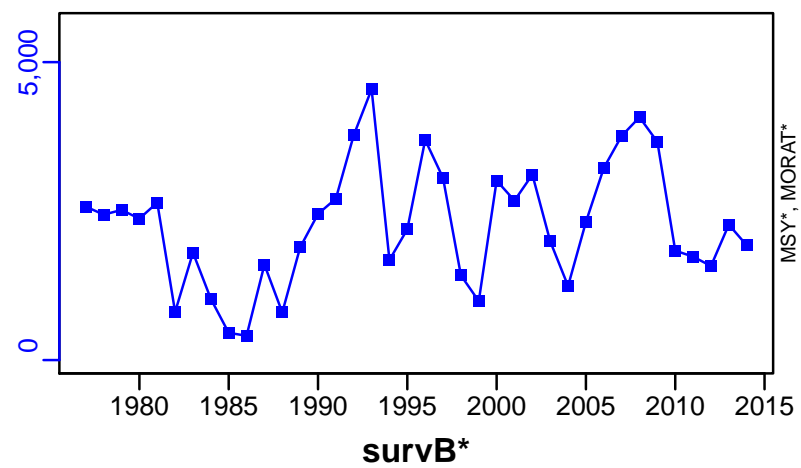
R-E00 (1977-2015-SISIMP2016)



Rock sole Gulf of Alaska [RSOLEGA]

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

TAC*, Cpair*, Cadv*



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

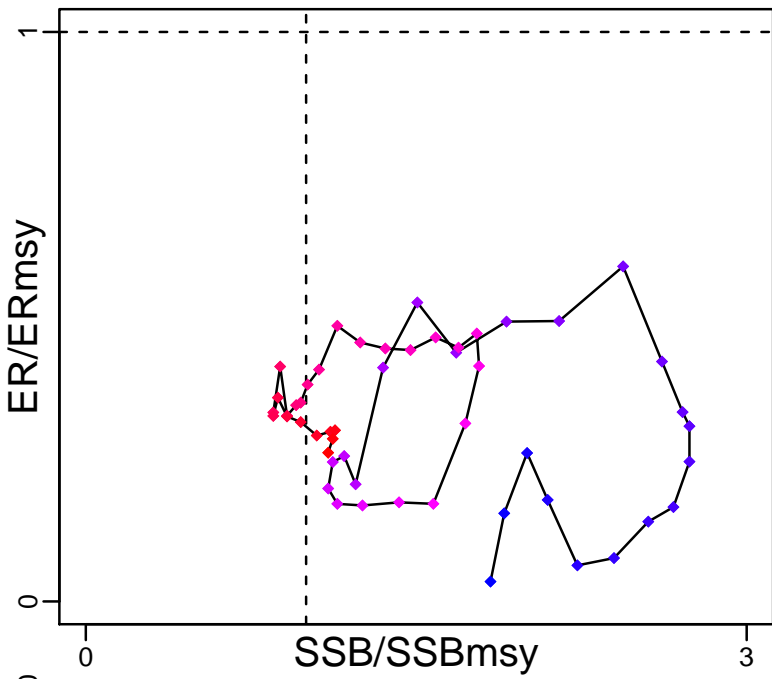
Metadata	
Scientific Name	Anoplopoma fimbria
Current Assess ID	AFSC-SABLEFEBSAIGA-1960-2015-SISIMP2016
Area	Eastern Bering Sea / Aleutian Islands / Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2010,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

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	89,956
Fmsy	Fmsy-pr-1/yr	2010	0.11
ERmsy	ERmsy-ratio	2010	0.2
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-MT	2010	275,270
MSY	MSY-MT	2010	18,950
M	M-1/yr	2010	0.1
TBlim	-	-	-
SSBlim	-	-	-
Flim	Flim-1/yr	2010	0.12
ERlim	-	-	-

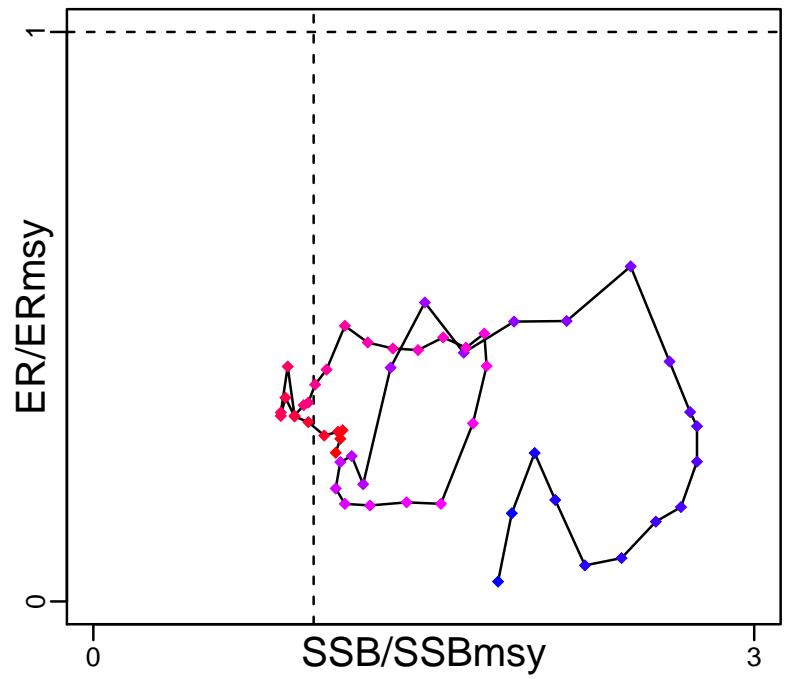
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	202,000	Both	2+
SSB	SSB-MT	2015	90,000	Females	6.6
TN	-	-	-	-	-
R	R-E00	2015	13,300,000	-	2
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	12,000		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2010	0.58		
ER/ERmsy	ER-calc-ratio/ERmsy-ratio	2010	0.26		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

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

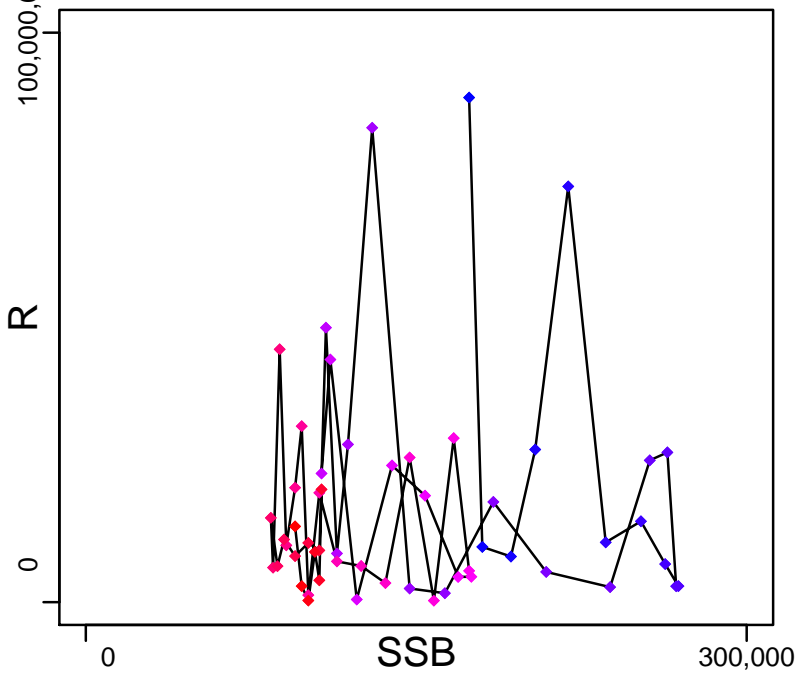
Kobe MSY_{pref} (1958–2010–STACHURA)



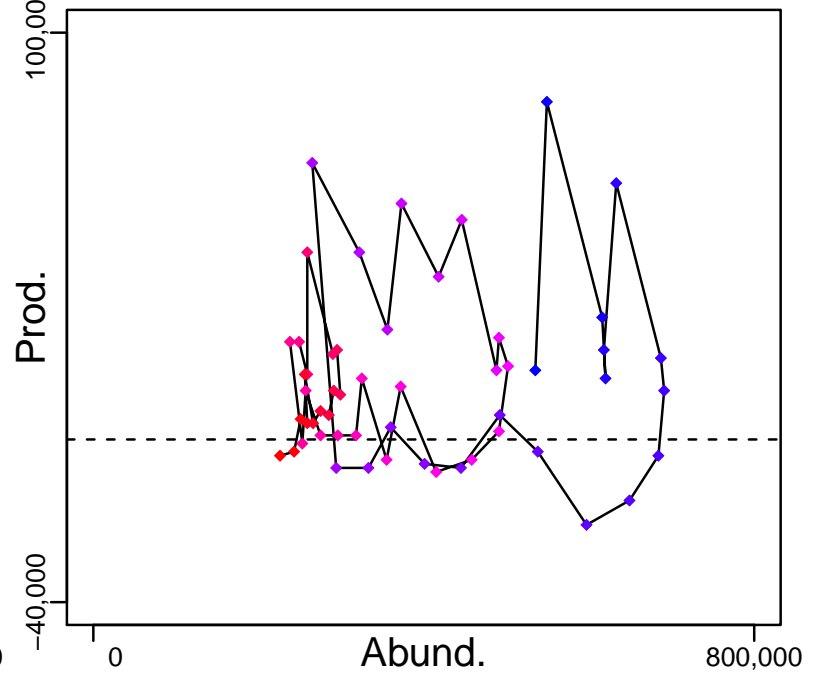
Kobe MGT_{pref} (1958–2010–STACHURA)



Spawner Recruit (1960–2015–SISIMP2016)



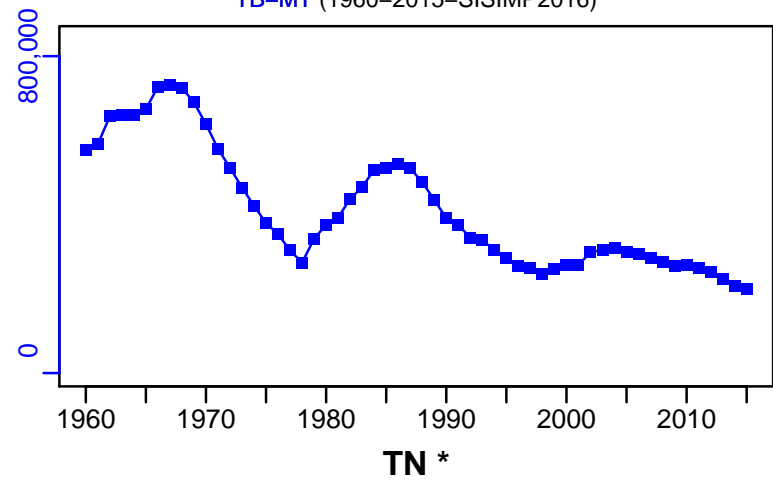
Production (1960–2015–SISIMP2016)



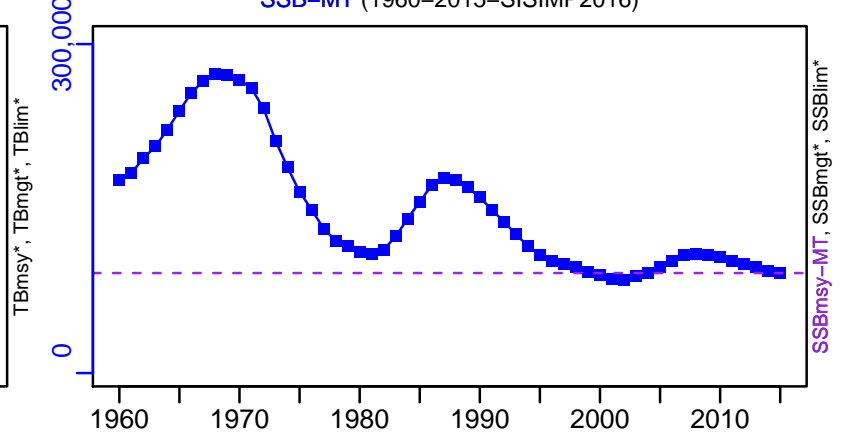
◆ Start Year ◆ End Year * No Data

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

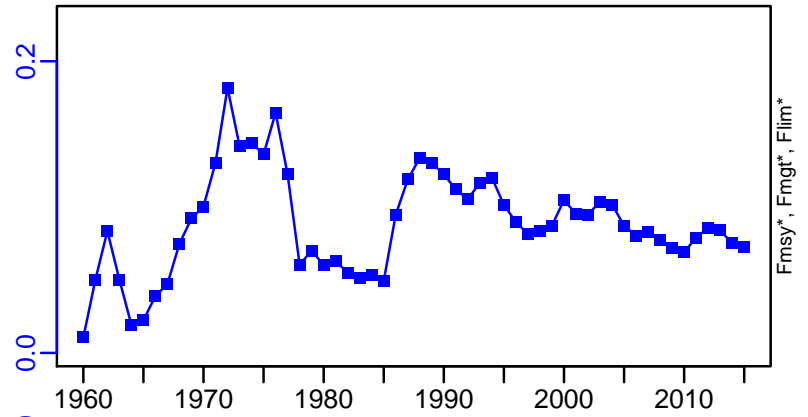
TB-MT (1960–2015–SISIMP2016)



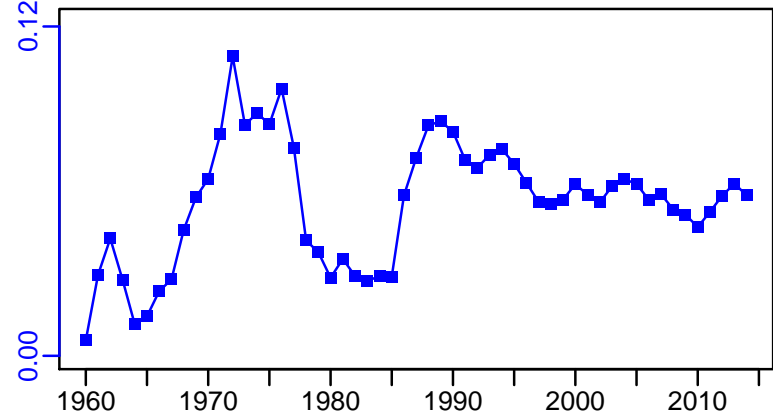
SSB-MT (1960–2015–SISIMP2016)



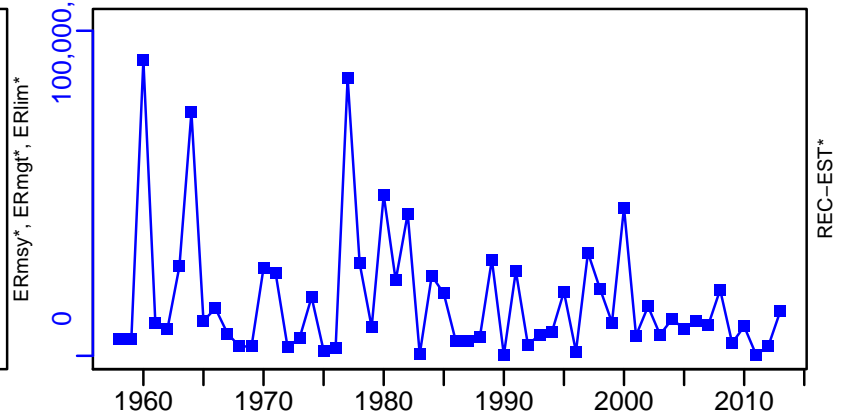
F-1/yr (1960–2015–SISIMP2016)



ER-calc-ratio (1960–2015–SISIMP2016)

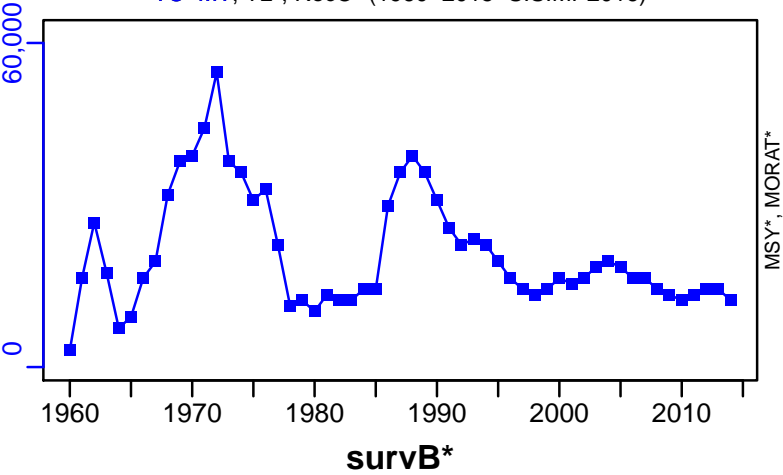


R-E00 (1960–2015–SISIMP2016)



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

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



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Snow crab Bering Sea [SNOWCRABBS]

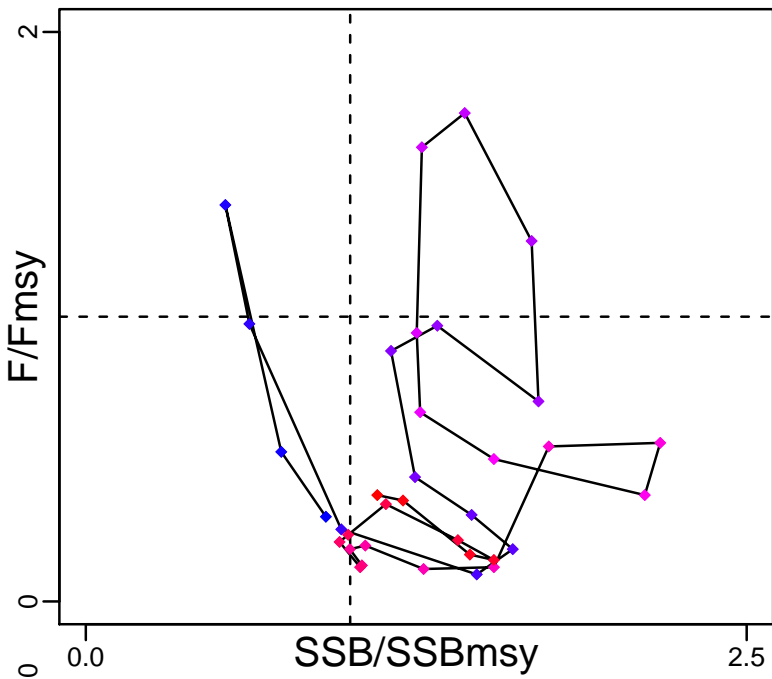
Metadata	
Scientific Name	Chionoecetes opilio
Current Assess ID	AFSC-SNOWCRABBS-1979-2015-SISIMP2016
Area	Bering Sea
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2013, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2015	146,357
SSBmsy	SSBmsy-pr-MT	2013	154,170
Fmsy	Fmsy-pr-1/yr	2013	1.58
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2013	0.18
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

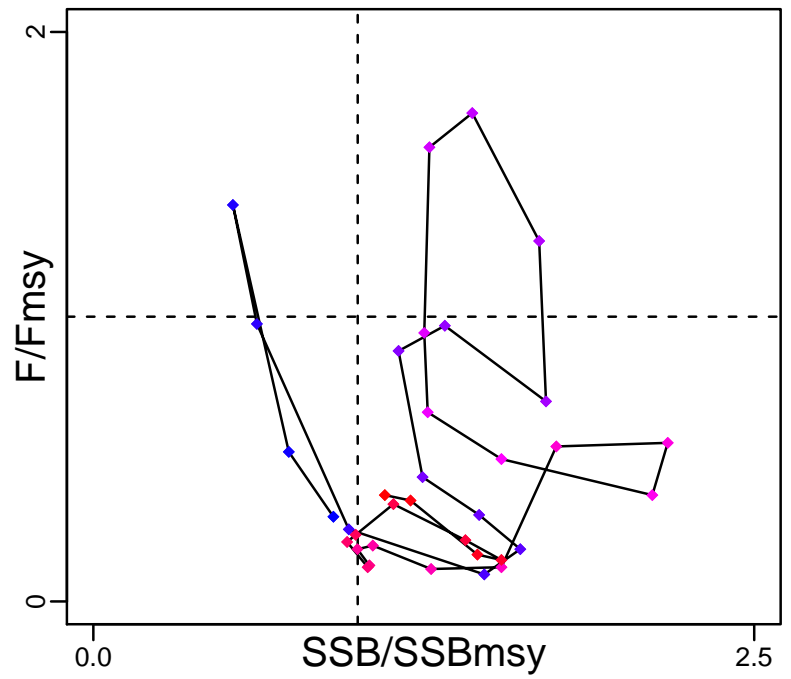
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	777,000	-	-
SSB	SSB-MT	2015	168,000	Females	-
TN	-	-	-	-	-
R	R-E00	2015	1.39×10^9	-	-
F	F-1/yr	2015	1	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	27,800		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-MT	2015	5.31		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2013	1.1		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2013	0.37		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Snow crab Bering Sea [SNOWCRABBS]

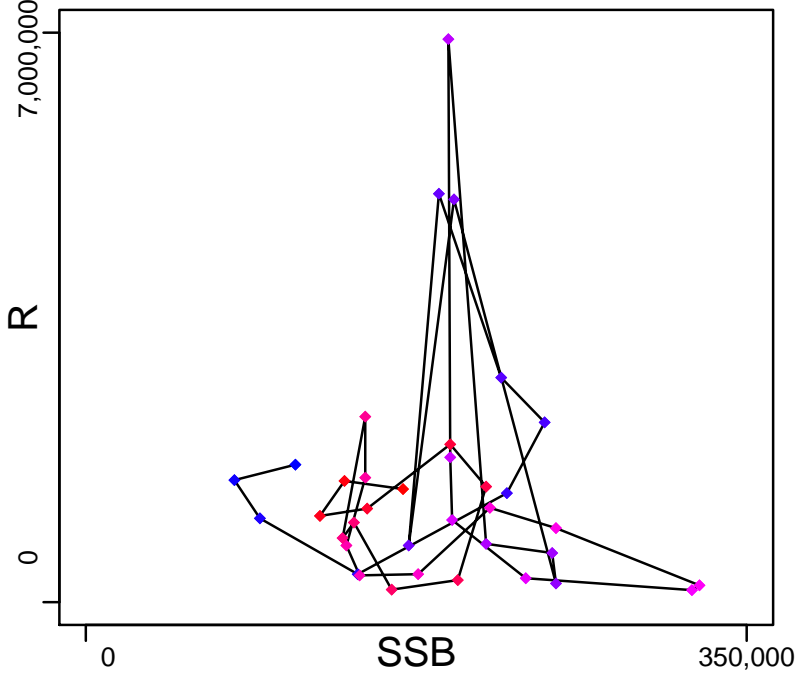
Kobe MSYpref (1978–2013–HIVELY)



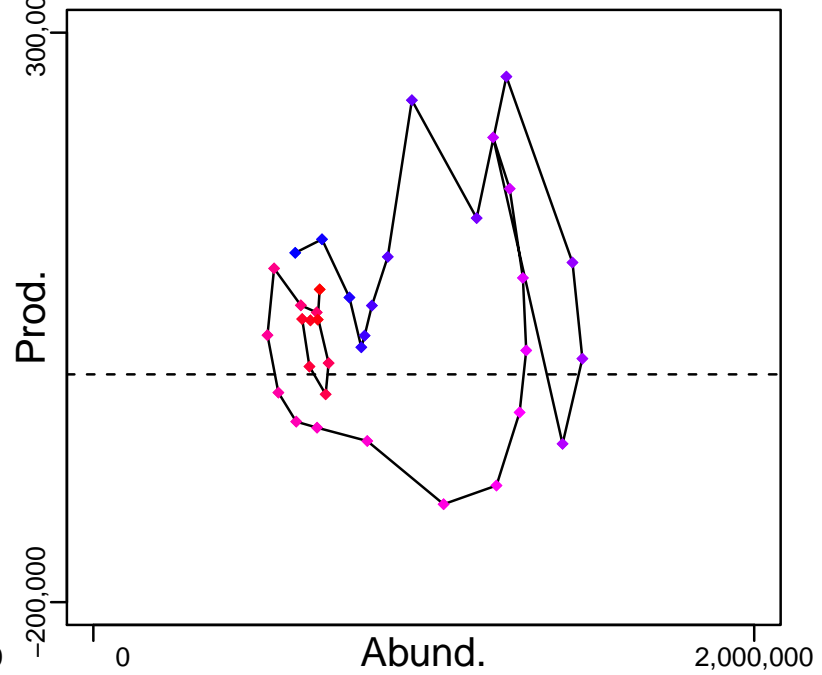
Kobe MGTpref (1978–2013–HIVELY)



Spawner Recruit (1979–2015–SISIMP2016)



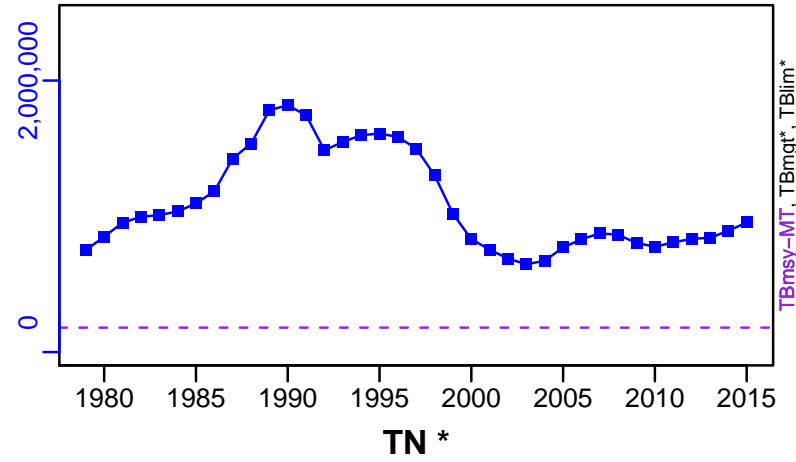
Production (1979–2015–SISIMP2016)



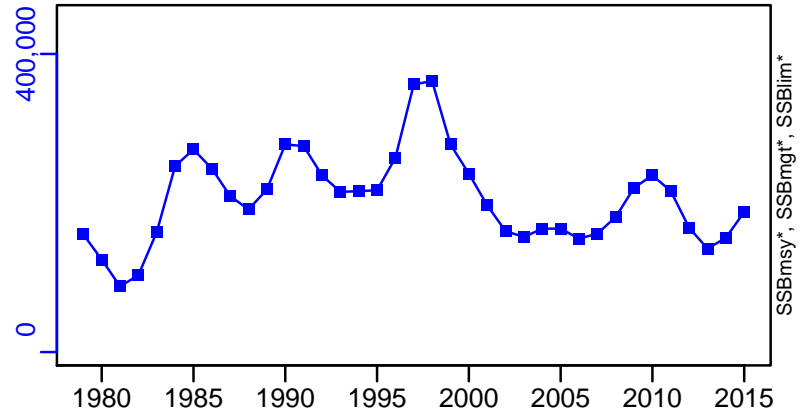
◆ Start Year ◆ End Year * No Data

Snow crab Bering Sea [SNOWCRABBS]

TB-MT (1979–2015–SISIMP2016)



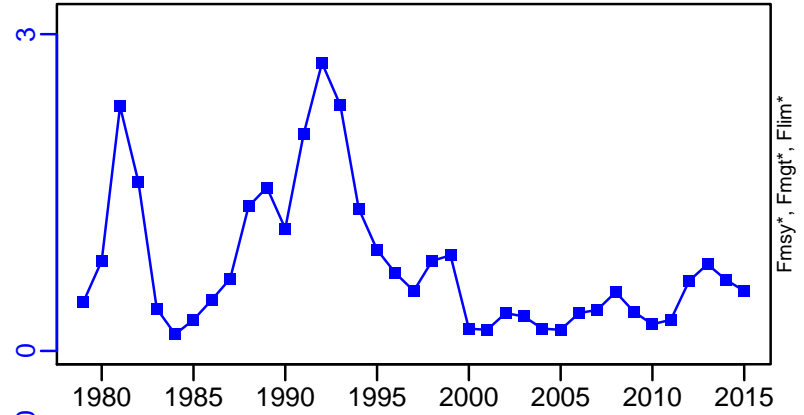
SSB-MT (1979–2015–SISIMP2016)



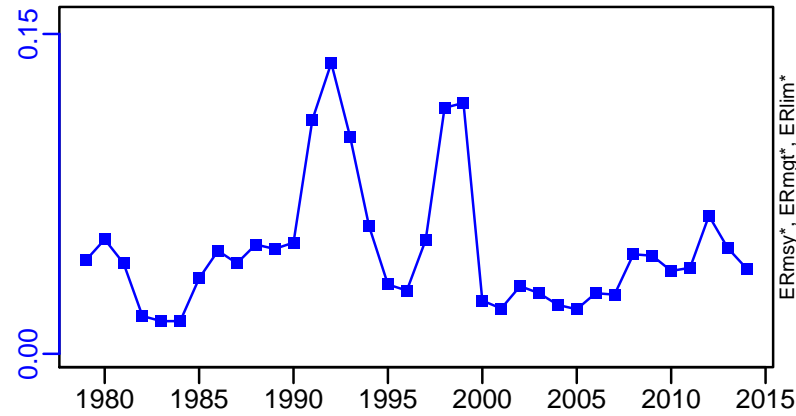
TN *



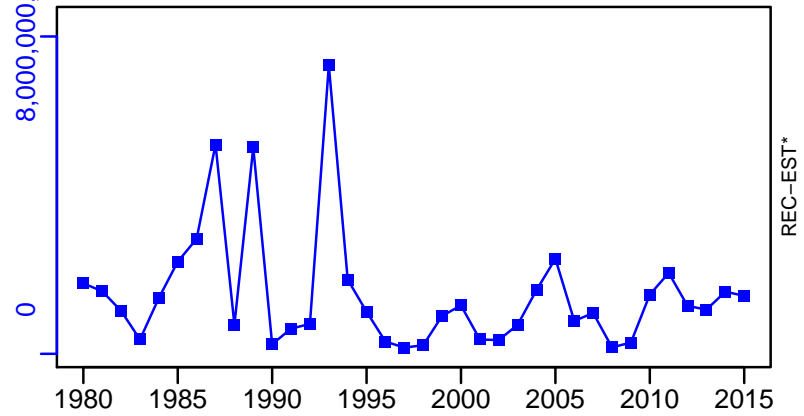
F-1/yr (1979–2015–SISIMP2016)



ER-calc-ratio (1979–2015–SISIMP2016)



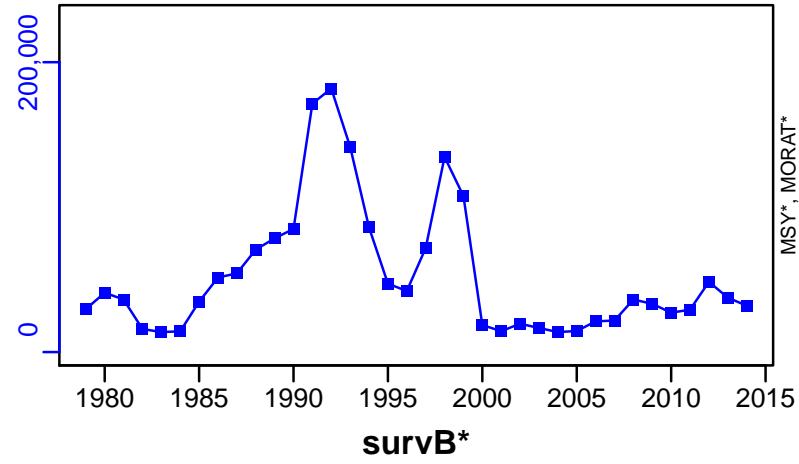
R-E00 (1979–2015–SISIMP2016)



Snow crab Bering Sea [SNOWCRABBS]

TC-MT, TL*, RecC* (1979-2015-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Shortraker rockfish Bering Sea and Aleutian Islands [SRAKEROCKBSAI]

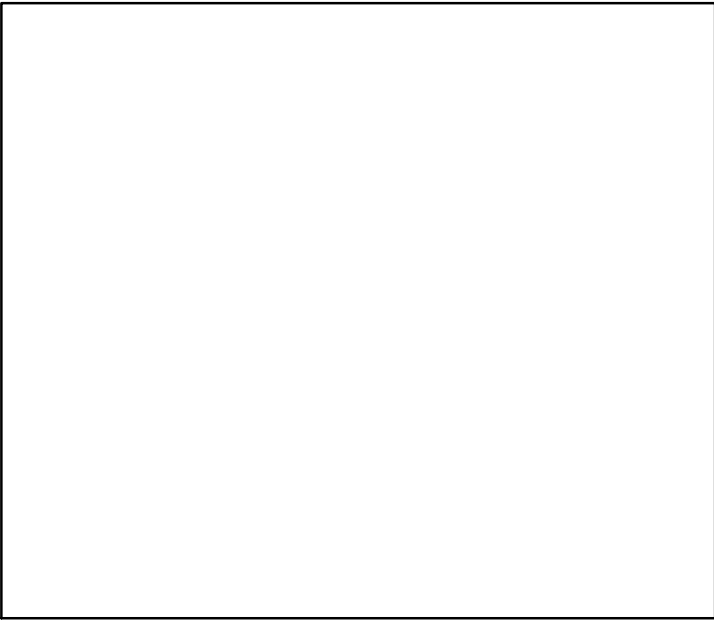
Metadata	
Scientific Name	Sebastes borealis
Current Assess ID	AFSC-SRAKEROCKBSAI-2004-2014-SISIMP2016
Area	Bering Sea and Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2010, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.03
TBlim	-	-	-
SSBlim	-	-	-
Flim	Flim-1/yr	2010	0.03
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	23,000	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2010	0	Both	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	197		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Shortraker rockfish Bering Sea and Aleutian Islands [SRAKEROCKBSAI]

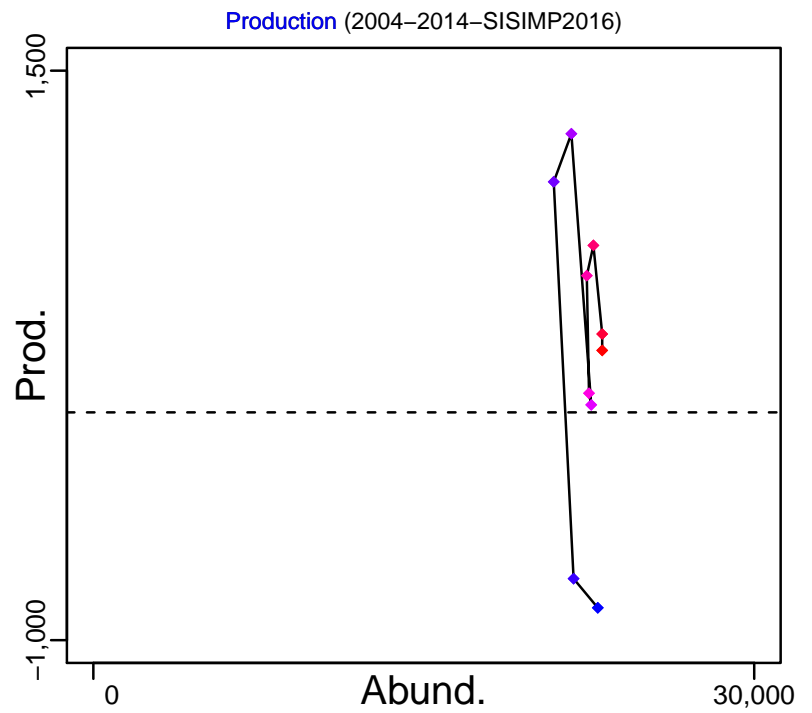
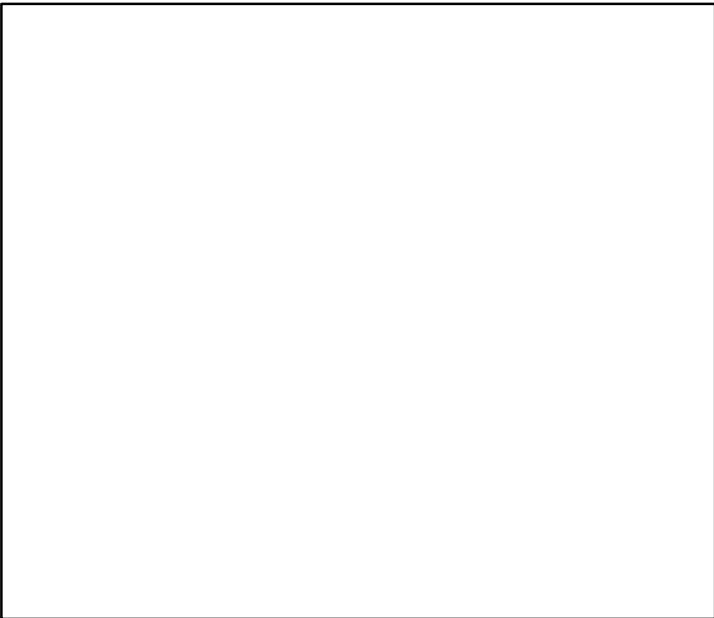
Kobe MSY*



Kobe MGT*



Spawner Recruit*

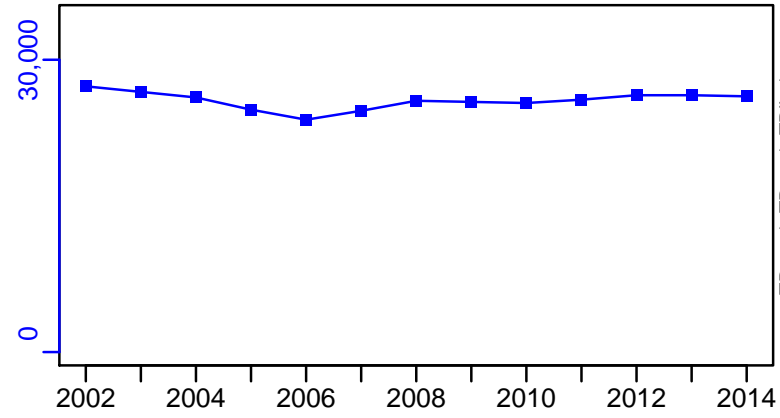


◆ Start Year ◆ End Year * No Data

Shortraker rockfish Bering Sea and Aleutian Islands [SRAKEROCKBSAI]

TB-MT (2004–2014–SISIMP2016)

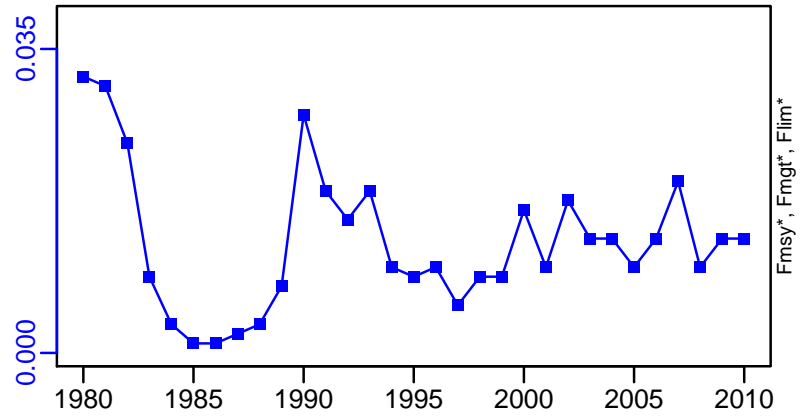
SSB*



TN *

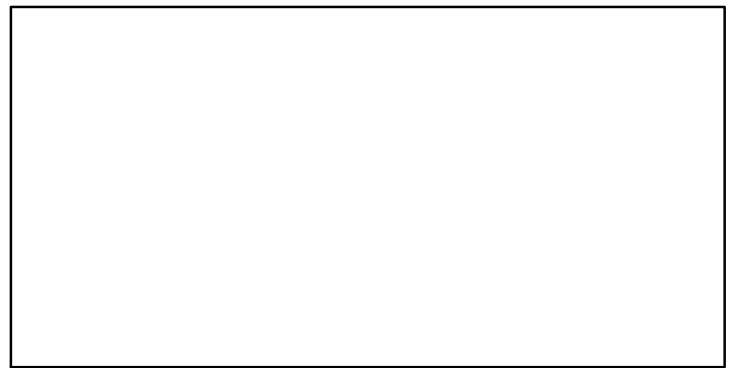
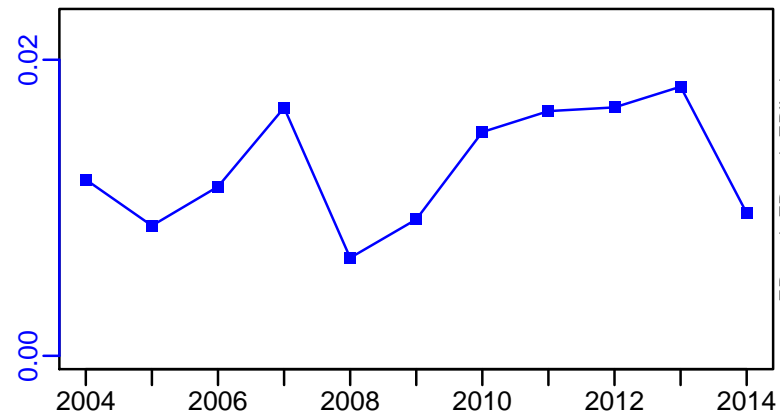


F-1/yr (1977–2010–STACHURA)



ER-calc-ratio (2004–2014–SISIMP2016)

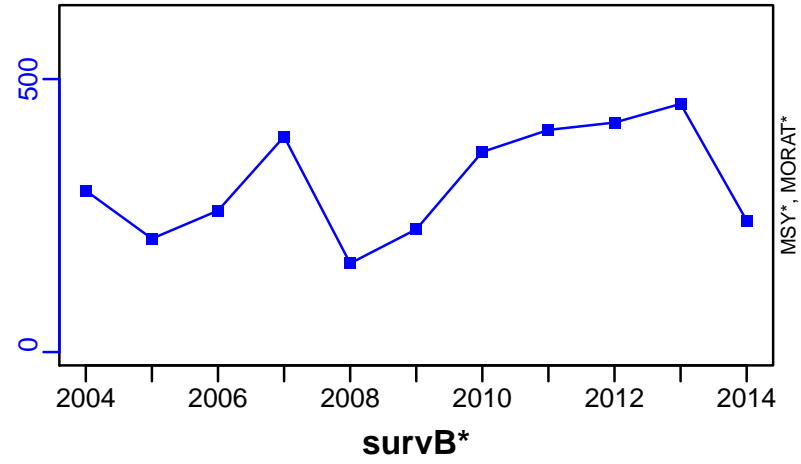
Recruits*



Shortraker rockfish Bering Sea and Aleutian Islands [SRAKEROCKBSAI]

TC-MT, TL*, RecC* (2004–2014–SISIMP2016)

TAC*, Cpair*, Cadv*

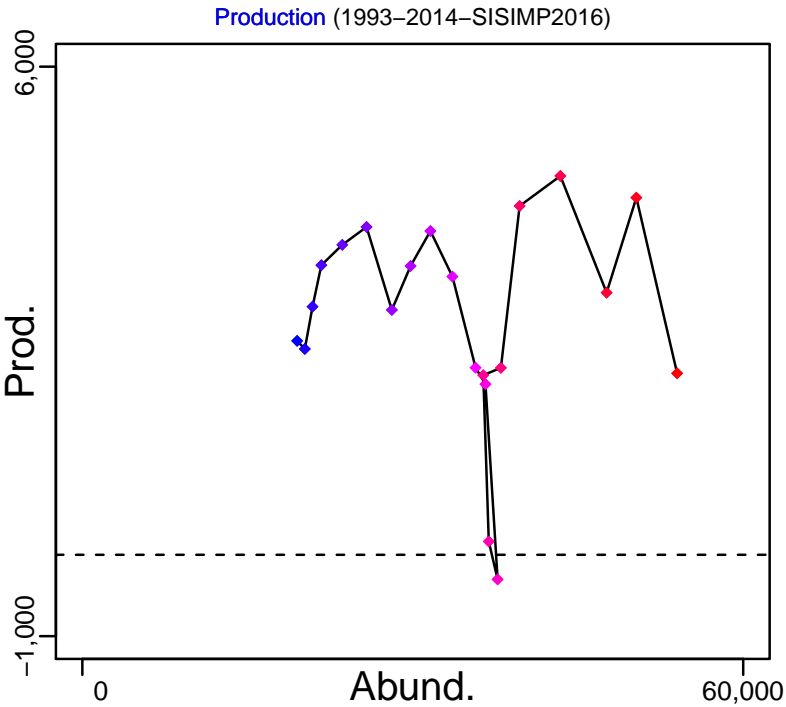


Shortraker rockfish Gulf of Alaska [SRAKEROCKGA]

Metadata	
Scientific Name	Sebastes borealis
Current Assess ID	AFSC-SRAKEROCKGA-1993-2014-SISIMP2016
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2014

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	57,200	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	685		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

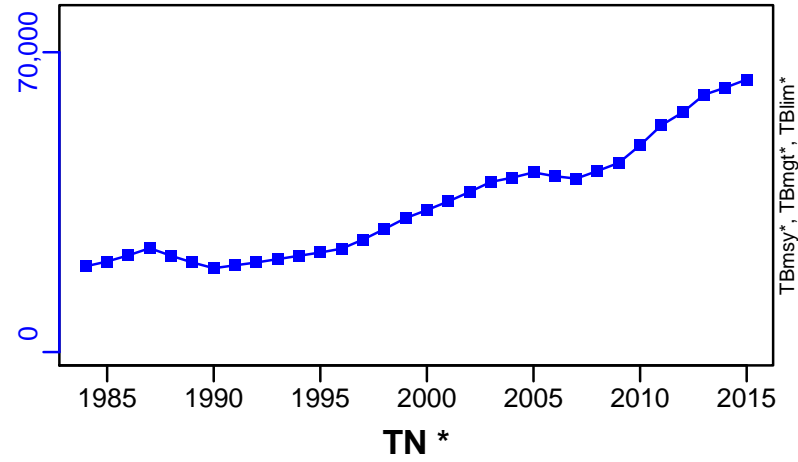


◆ Start Year ◆ End Year * No Data

Shortraker rockfish Gulf of Alaska [SRAKEROCKGA]

TB-MT (1993–2014–SISIMP2016)

SSB*

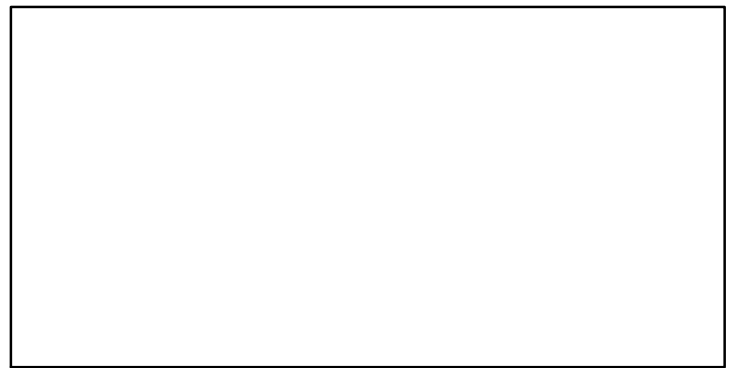
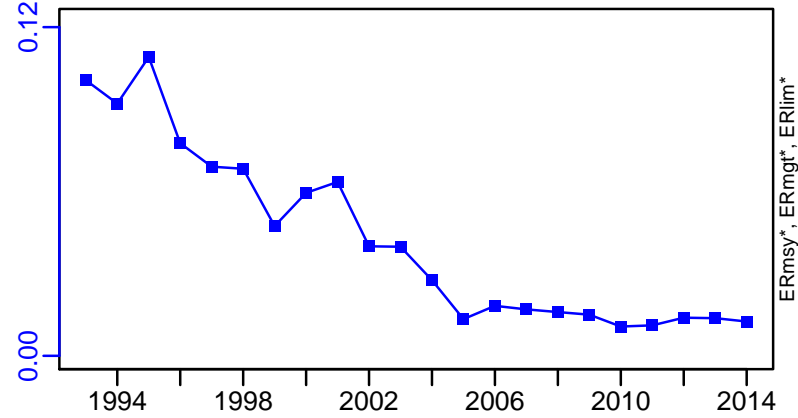


F*



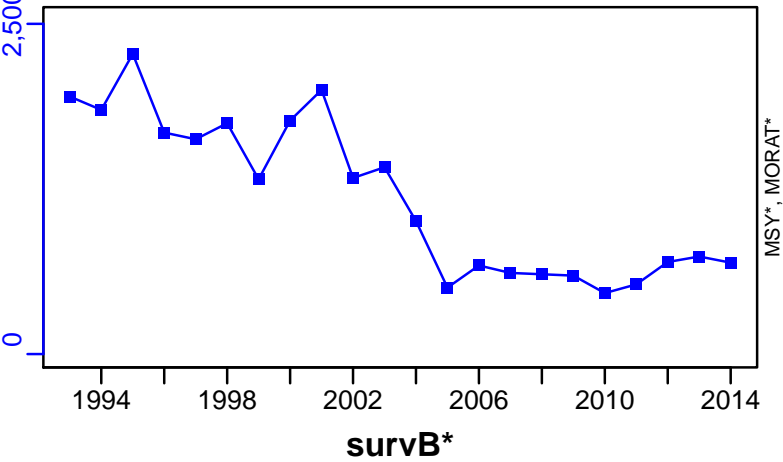
ER-calc-ratio (1993–2014–SISIMP2016)

Recruits*

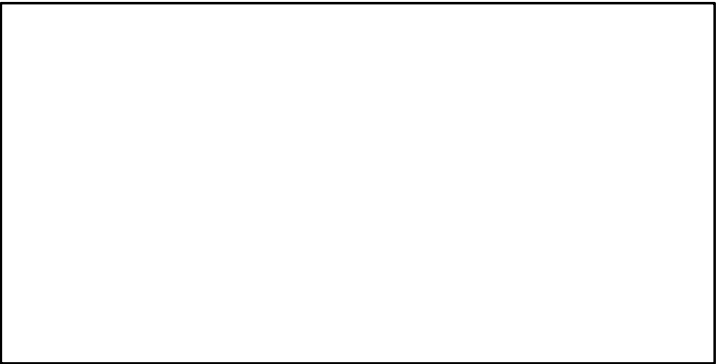


Shortraker rockfish Gulf of Alaska [SRAKEROCKGA]

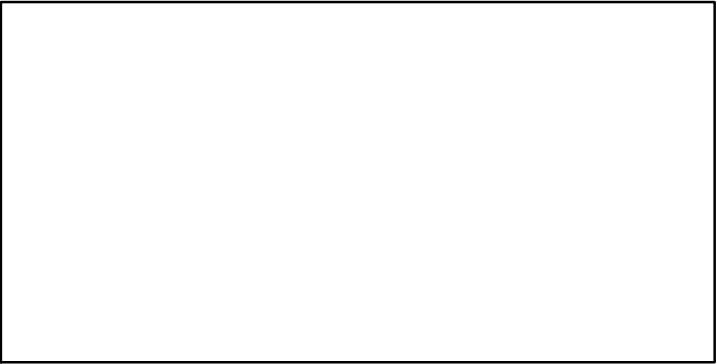
TC-MT, TL*, RecC* (1993-2014-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Shortspine thornyhead Gulf of Alaska [SSTHORNHGA]

Metadata	
Scientific Name	Sebastolobus alascanus
Current Assess ID	AFSC-SSTHORNHGA-1980-2014-SISIMP2016
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2014

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	87,200	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	1130		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Shortspine thornyhead Gulf of Alaska [SSTHORNHGA]

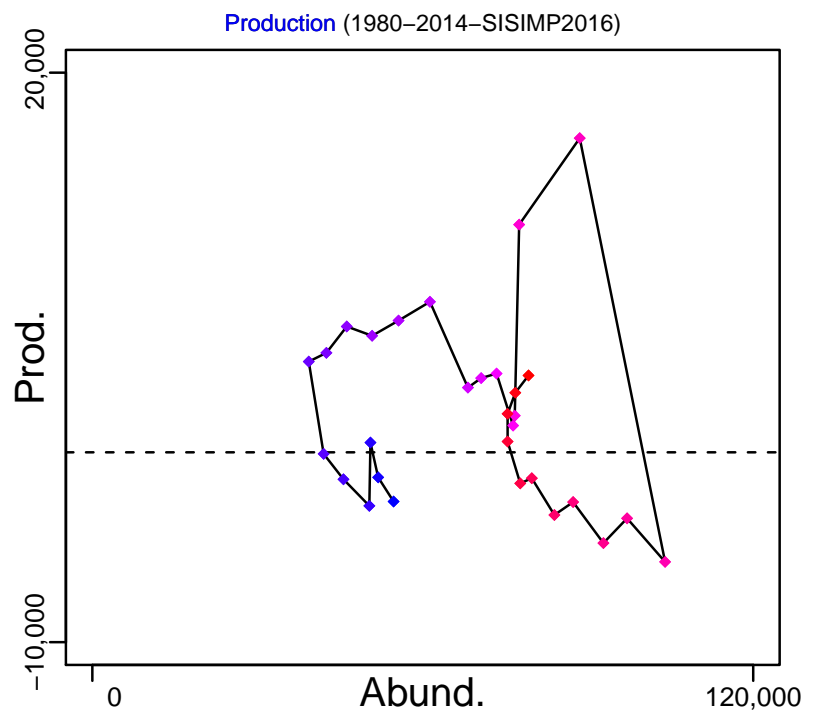
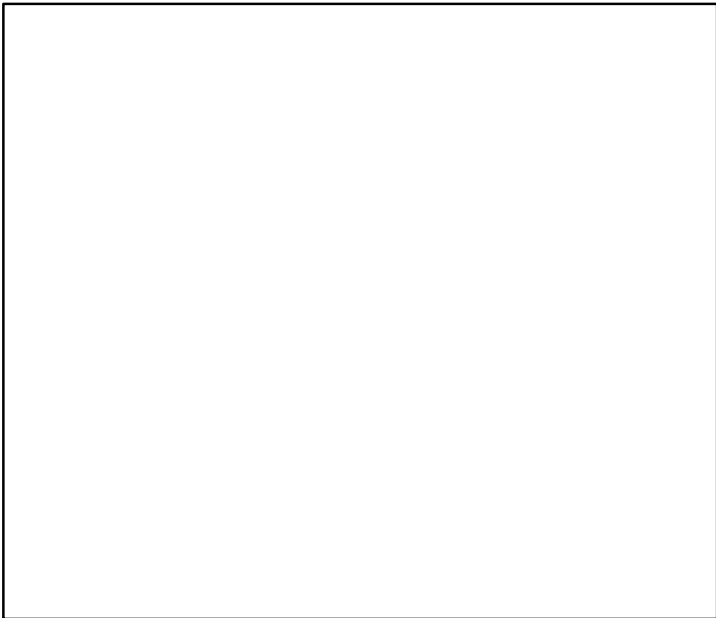
Kobe MSY*



Kobe MGT*



Spawner Recruit*

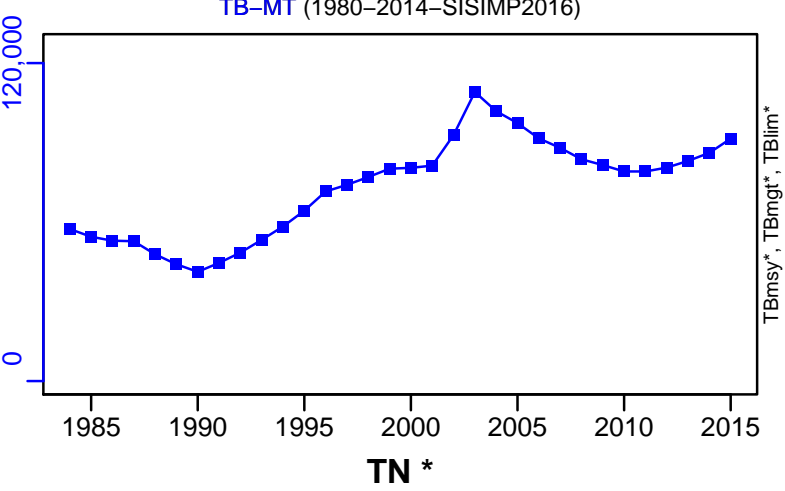


◆ Start Year ◆ End Year * No Data

Shortspine thornyhead Gulf of Alaska [SSTHORNHGA]

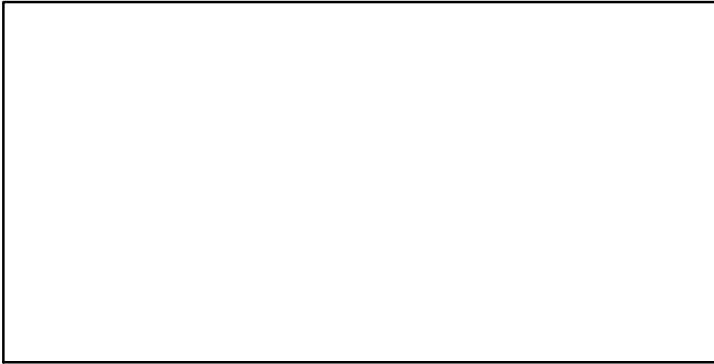
TB-MT (1980-2014-SISIMP2016)

SSB*



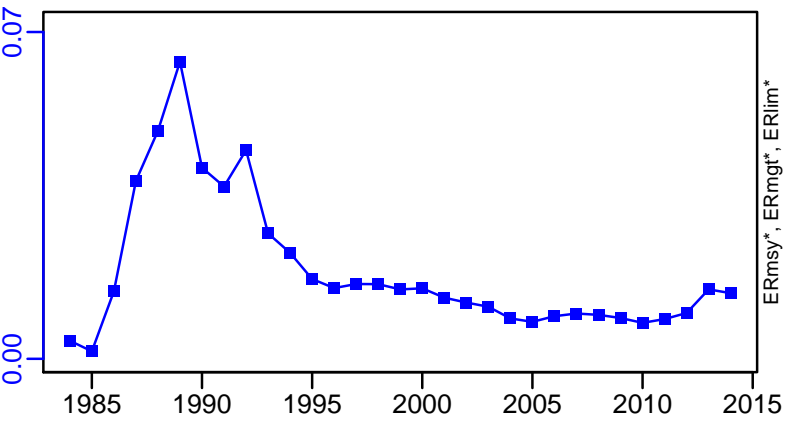
TN *

F*



ER-calc-ratio (1980-2014-SISIMP2016)

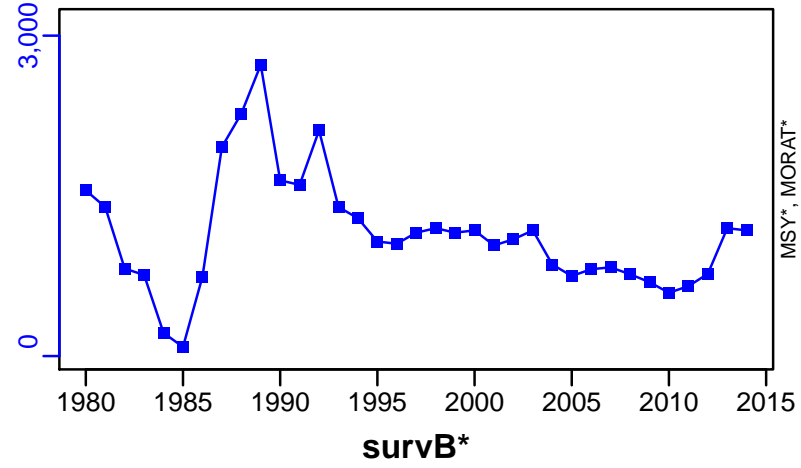
Recruits*



Shortspine thornyhead Gulf of Alaska [SSTHORNHGA]

TC-MT, TL*, RecC* (1980-2014-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Tanner crab Bering Sea and Aleutian Islands [TANNERCRABBSAI]

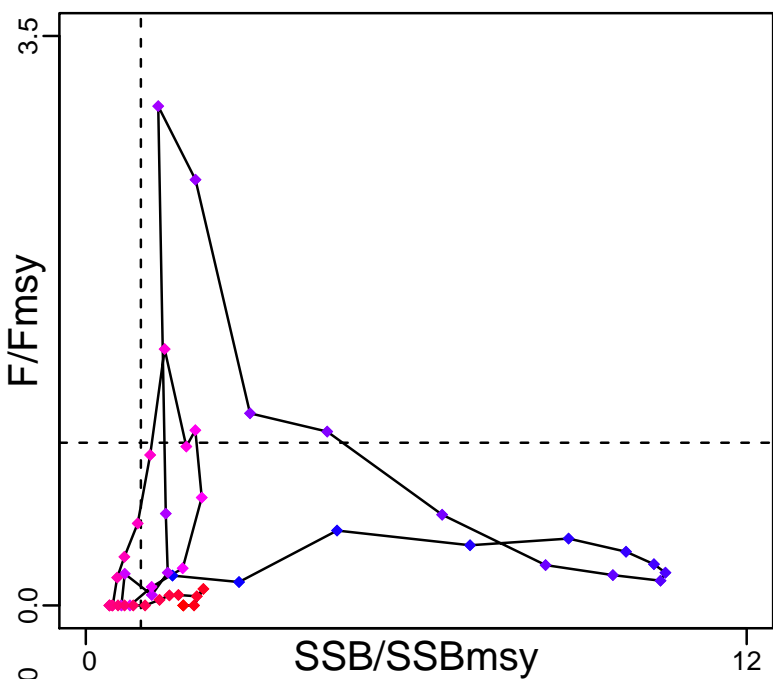
Metadata	
Scientific Name	Chionoecetes bairdi
Current Assess ID	AFSC-TANNERCRABBSAI-1965-2015-SISIMP2016
Area	Bering Sea and Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2013, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2015	26,791
SSBmsy	SSBmsy-pr-MT	2013	33,540
Fmsy	Fmsy-pr-1/yr	2013	0.73
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2013	33,540
Fmgt	Fmgt-1/yr	2013	0.73
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

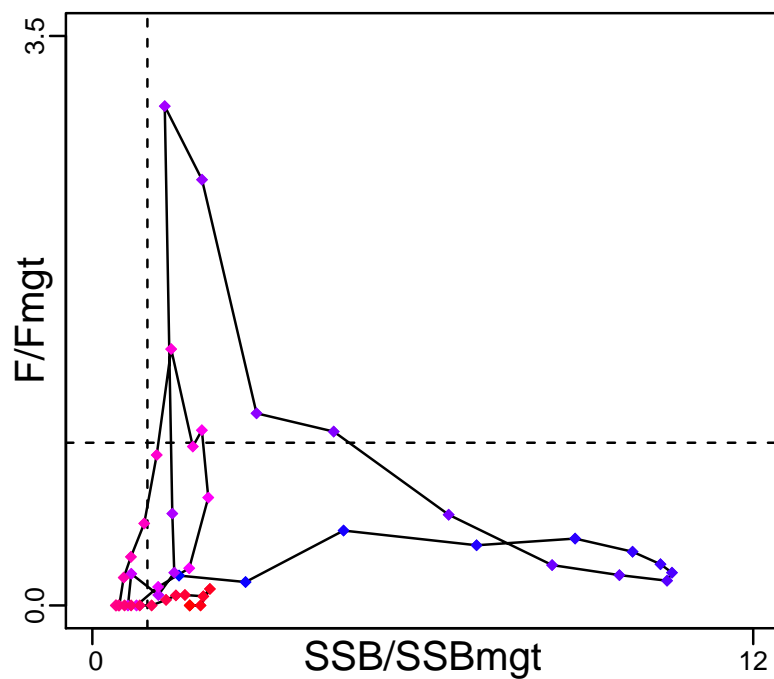
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	137,000	-	-
SSB	SSB-MT	2015	53,700	Females	-
TN	-	-	-	-	-
R	R-E00	2015	80,700,000	-	-
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	6430		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-MT	2015	5.12		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2013	1.77		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2013	0		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2013	1.77		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	0		
ER/ERmgt	-	-	-		

Tanner crab Bering Sea and Aleutian Islands [TANNERCRABBSAI]

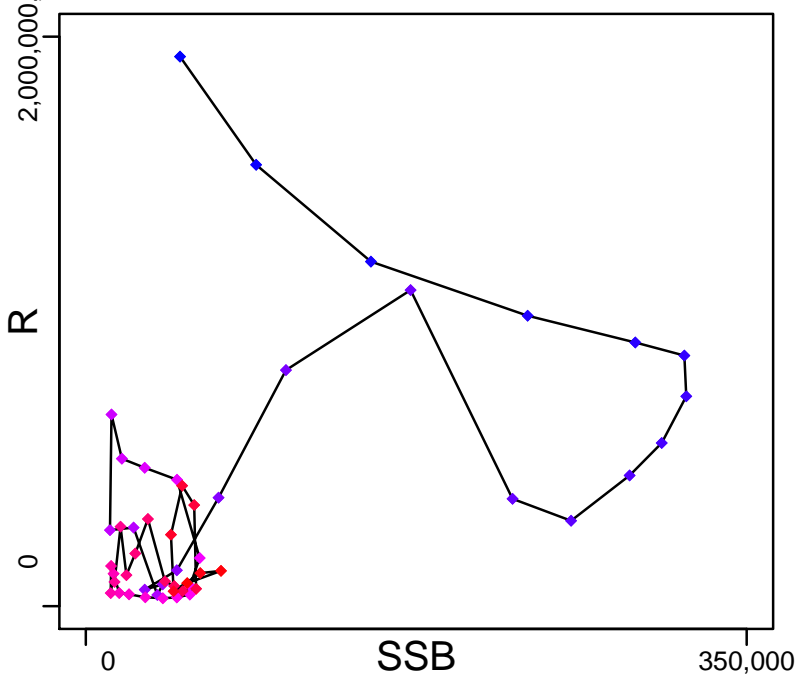
Kobe MSYpref (1949–2013–HIVELY)



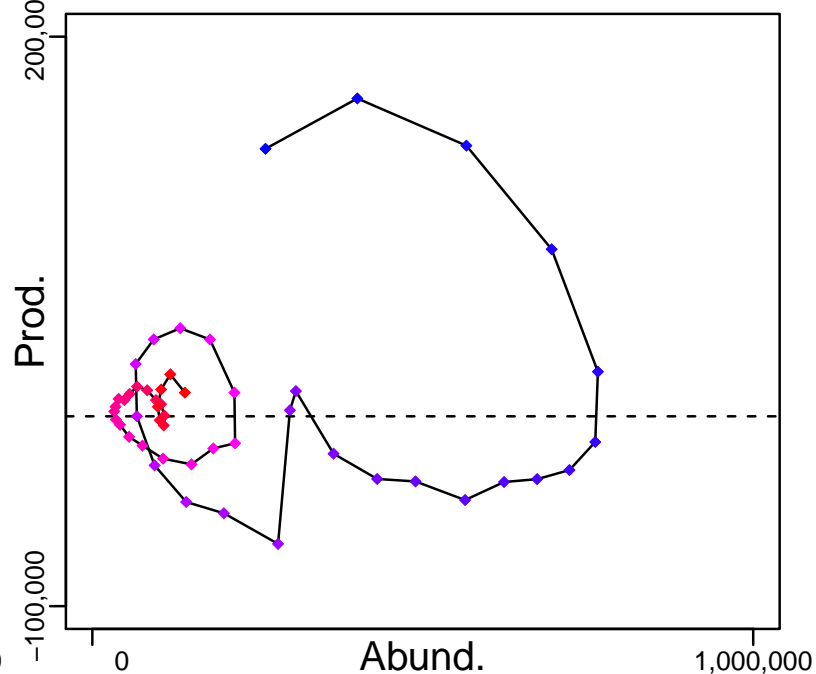
Kobe MGTpref (1949–2013–HIVELY)



Spawner Recruit (1965–2015–SISIMP2016)

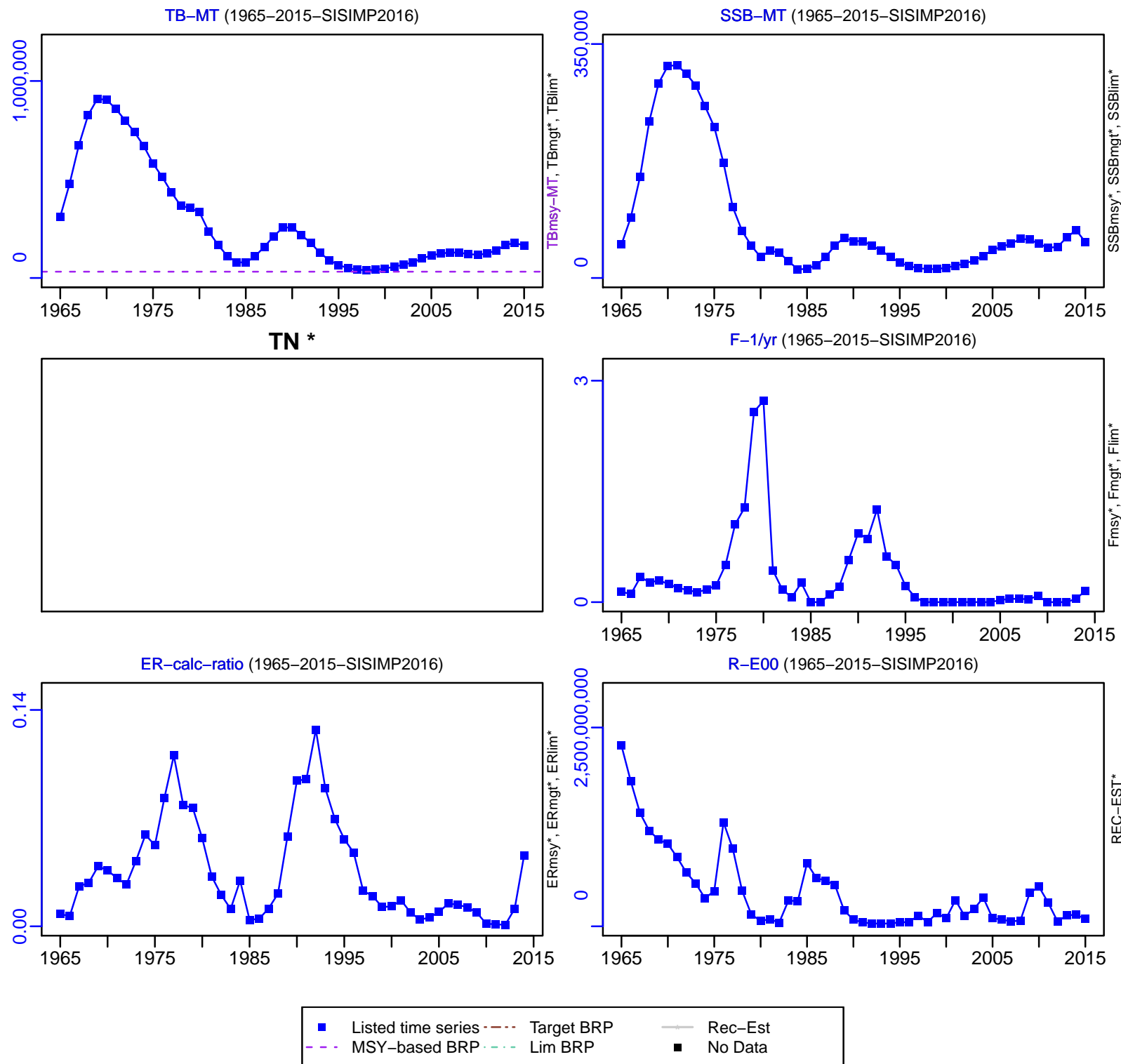


Production (1965–2015–SISIMP2016)



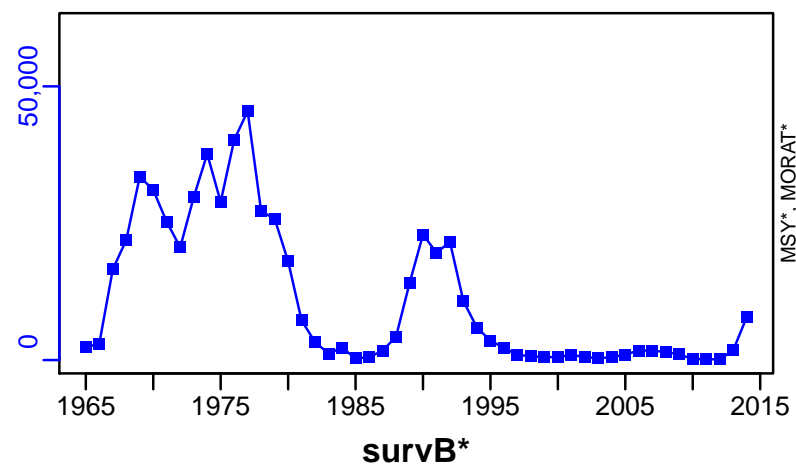
◆ Start Year ◆ End Year * No Data

Tanner crab Bering Sea and Aleutian Islands [TANNERCRABBSAI]

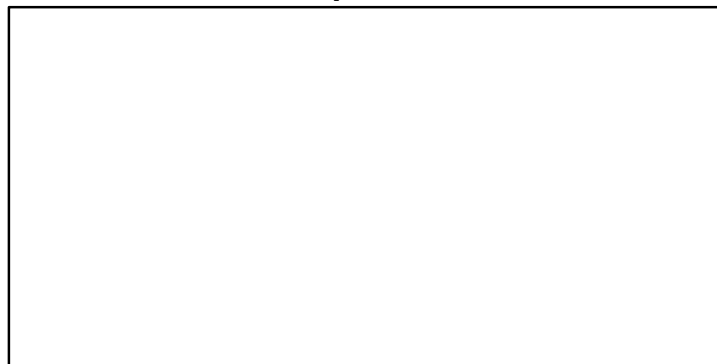


Tanner crab Bering Sea and Aleutian Islands [TANNERCRABBSAI]

TC-MT, TL*, RecC* (1965-2015-SISIMP2016)



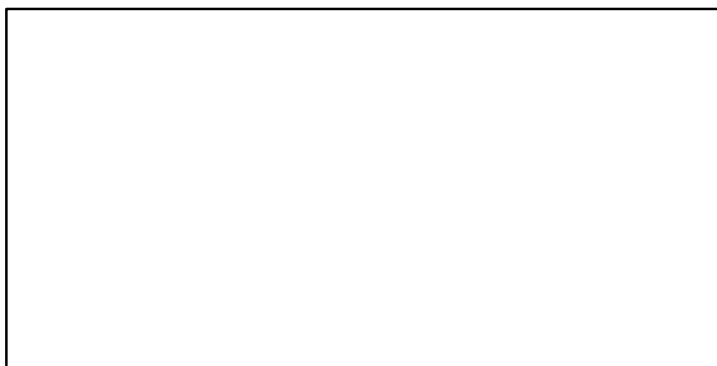
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Walleye pollock Aleutian Islands [WPOLLAI]

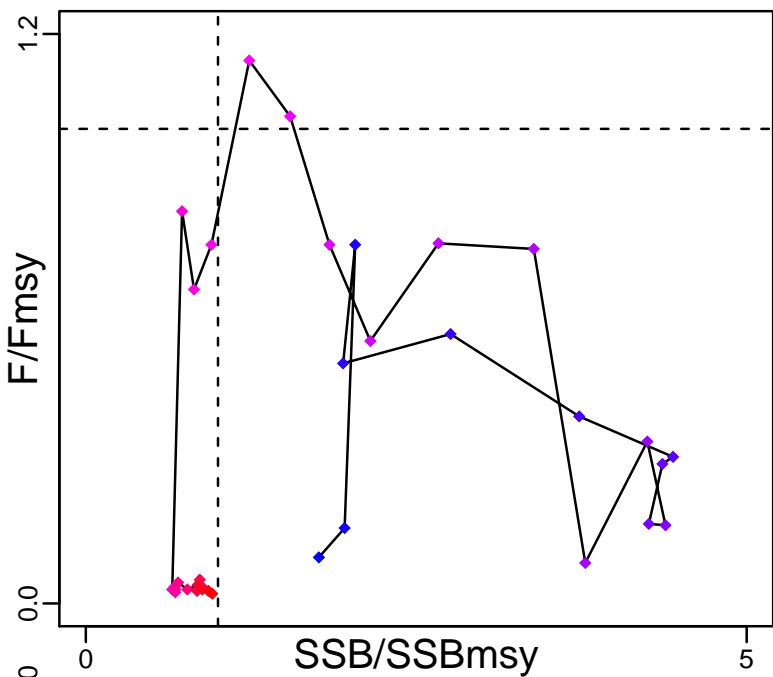
Metadata	
Scientific Name	Theragra chalcogramma
Current Assess ID	AFSC-WPOLLAI-1978-2015-SISIMP2016
Area	Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2013, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	72,437
Fmsy	Fmsy-pr-1/yr	2013	0.34
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

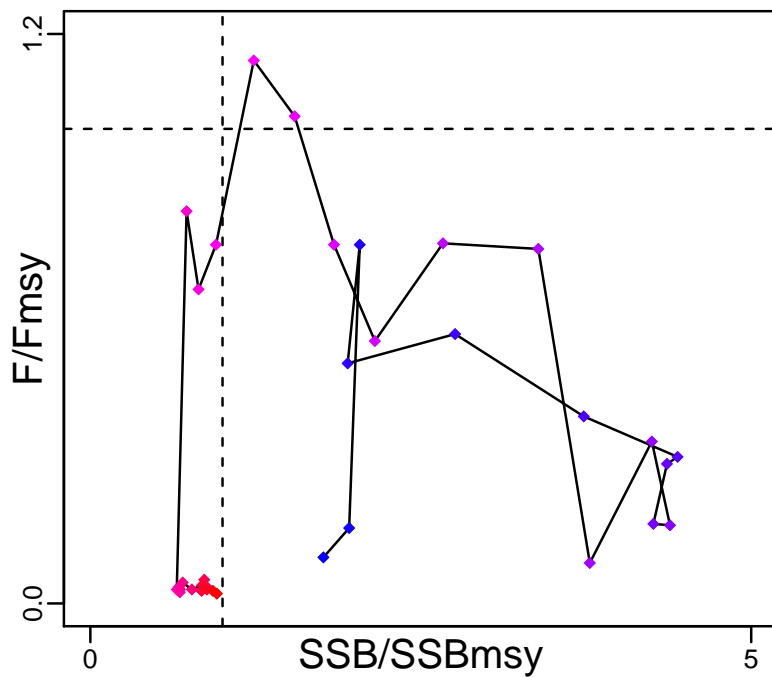
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	216,000	-	1+
SSB	SSB-MT	2015	70,200	Females	4+
TN	-	-	-	-	-
R	R-E00	2015	68,200,000	-	0
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	2380		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	0.97		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2013	0.02		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Walleye pollock Aleutian Islands [WPOLLAI]

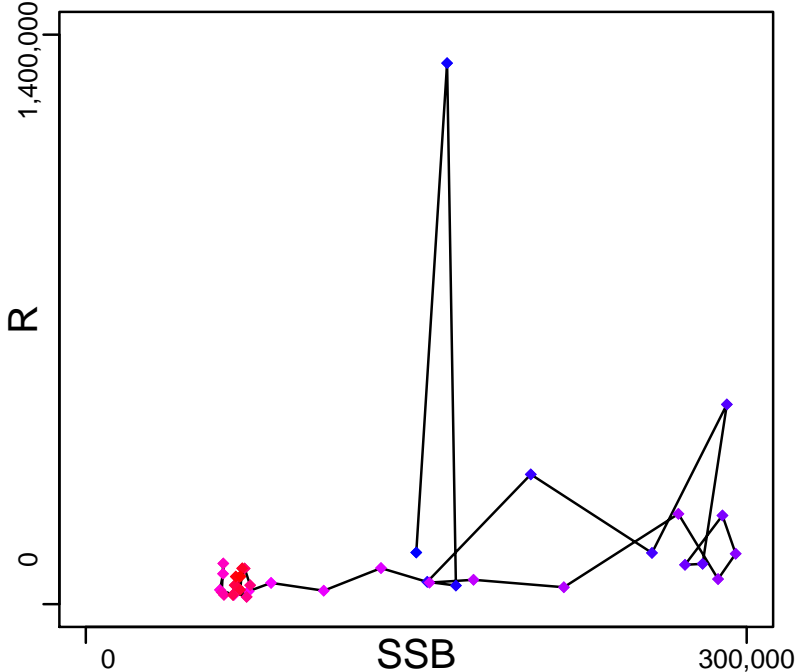
Kobe MSYpref (1976–2013–CHING)



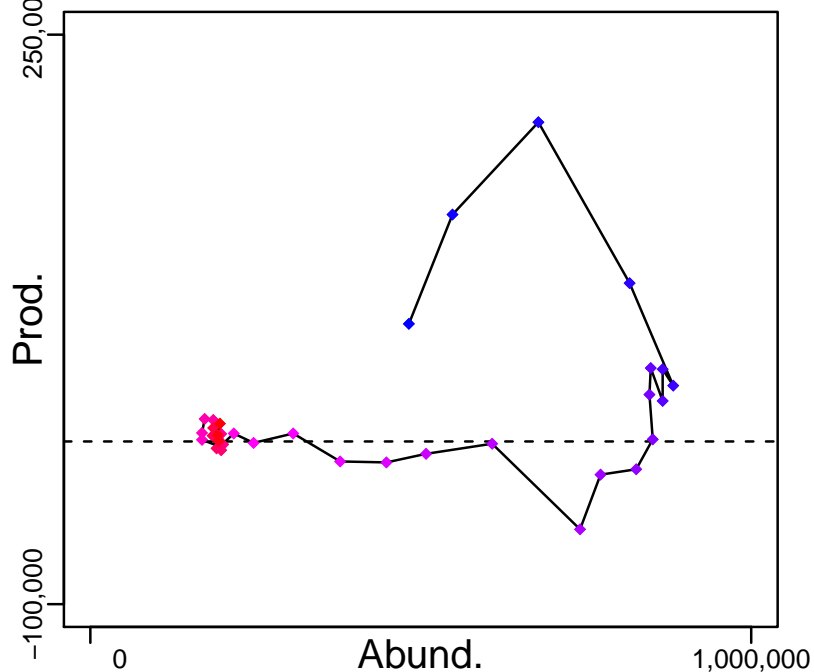
Kobe MGTpref (1976–2013–CHING)



Spawner Recruit (1978–2015–SISIMP2016)

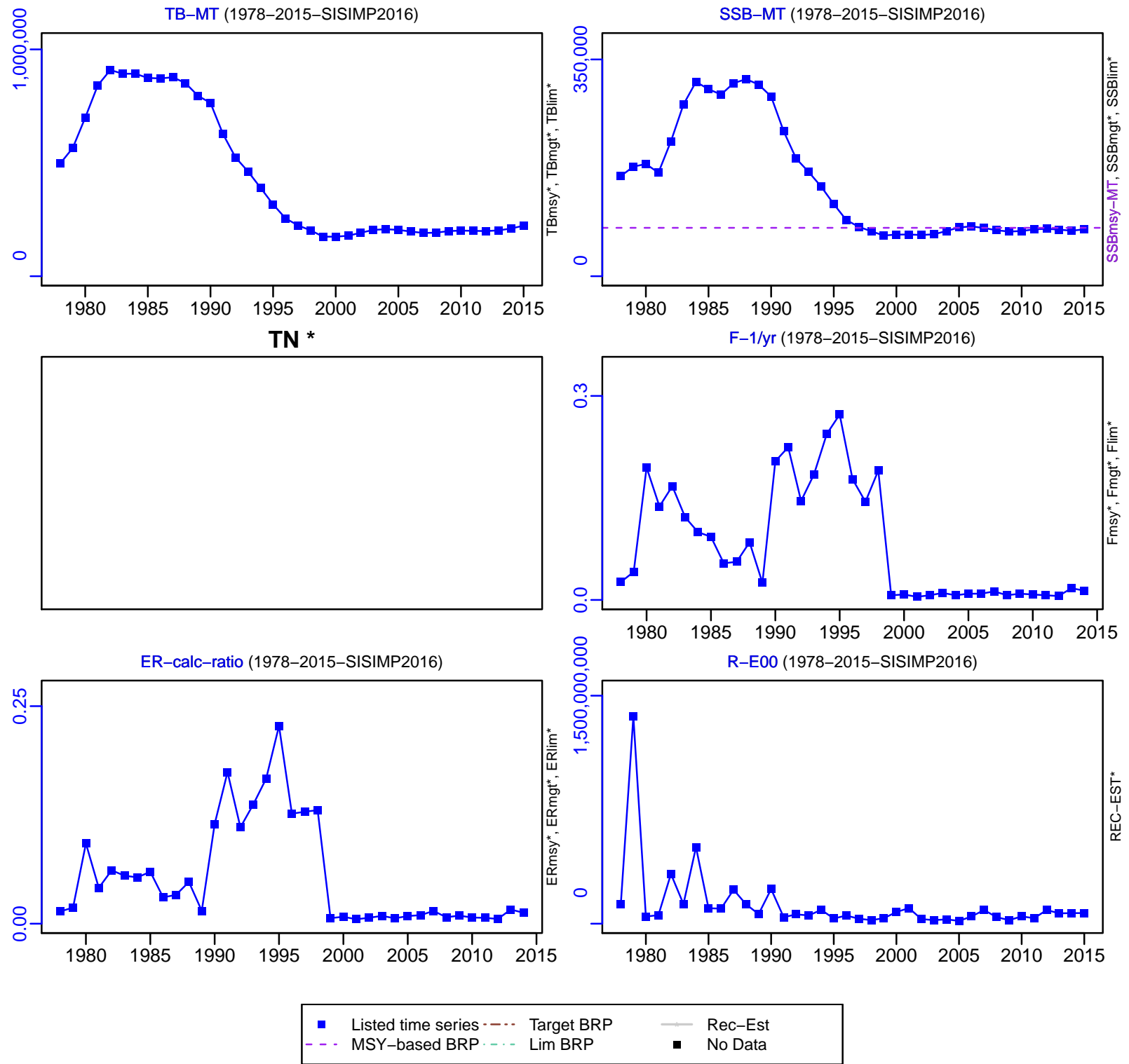


Production (1978–2015–SISIMP2016)



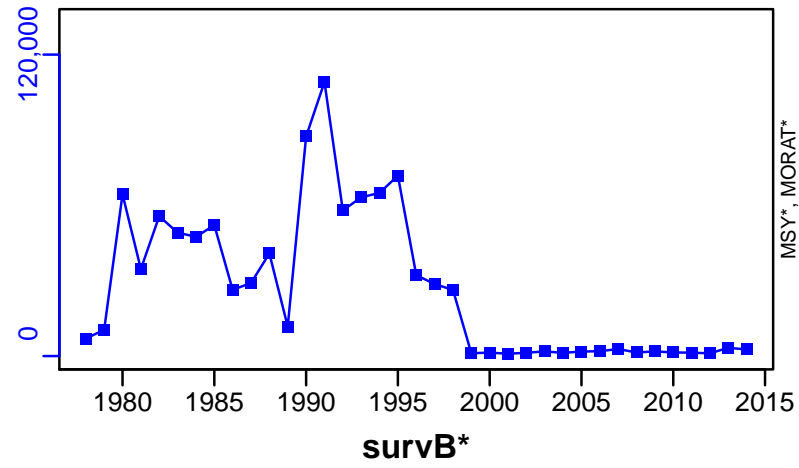
◆ Start Year ◆ End Year * No Data

Walleye pollock Aleutian Islands [WPOLLAI]

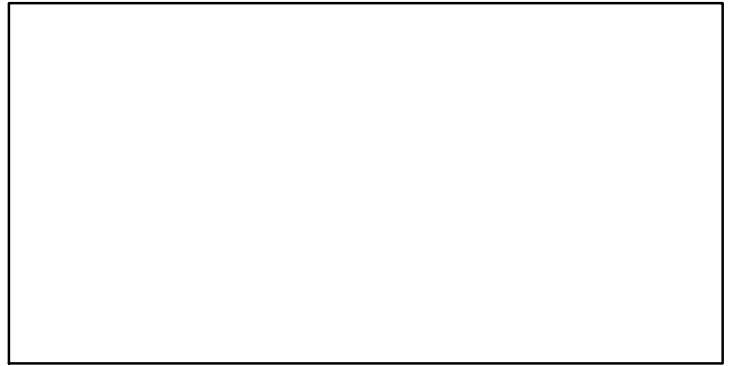


Walleye pollock Aleutian Islands [WPOLLAI]

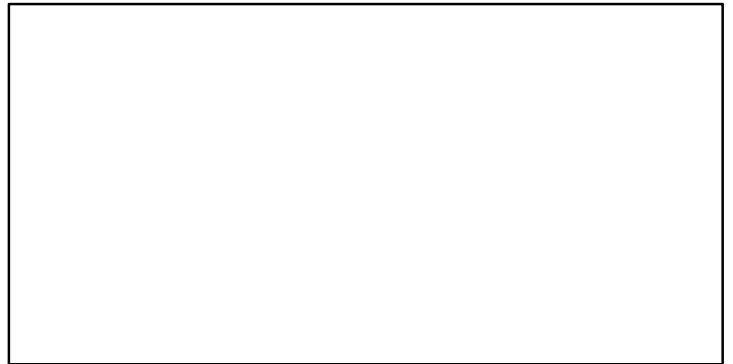
TC-MT, TL*, RecC* (1978-2015-SISIMP2016)



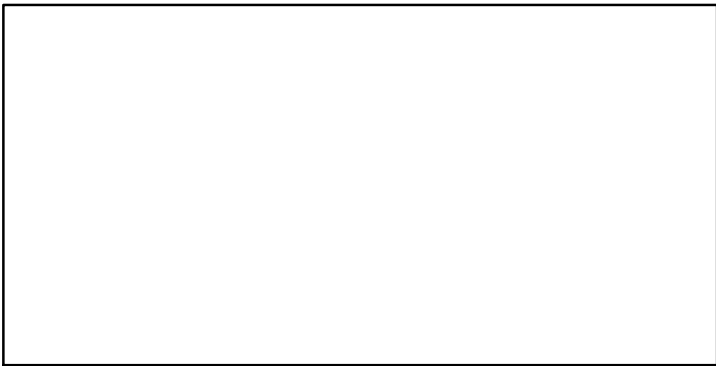
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Walleye pollock Bogoslof [WPOLLBOGO]

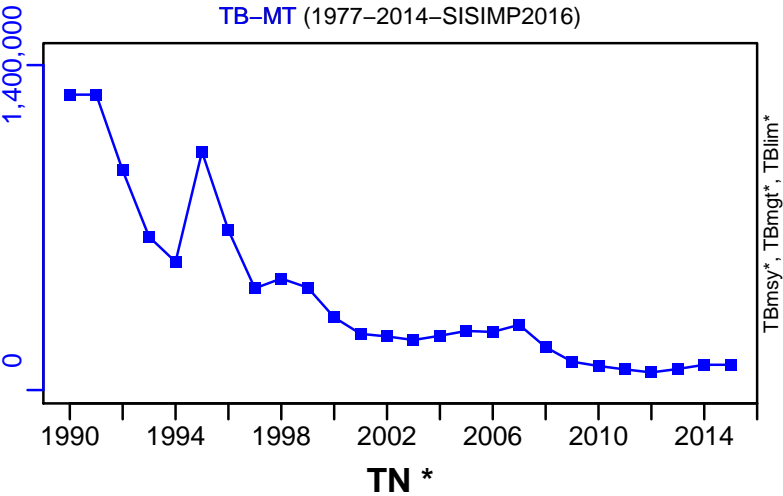
Metadata	
Scientific Name	Theragra chalcogramma
Current Assess ID	AFSC-WPOLLBOGO-1977-2014-SISIMP2016
Area	Bogoslof
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2014

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	106,000	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	428		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Walleye pollock Bogoslof [WPOLLBOGO]

TB-MT (1977-2014-SISIMP2016)



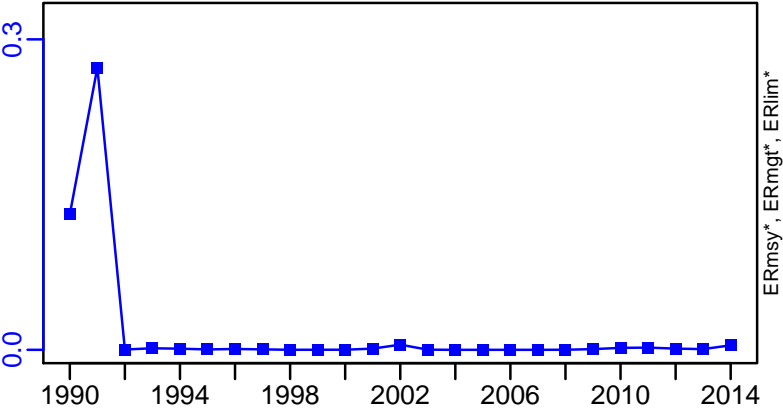
SSB*



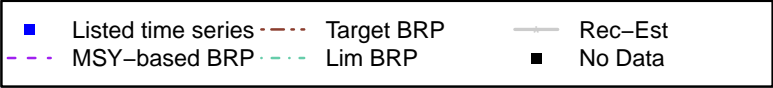
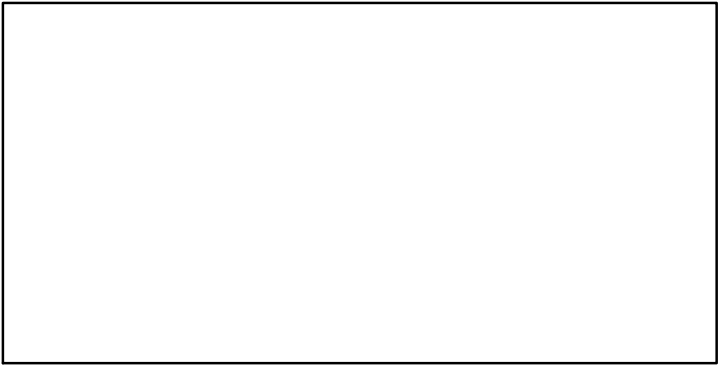
F*



ER-calc-ratio (1977-2014-SISIMP2016)

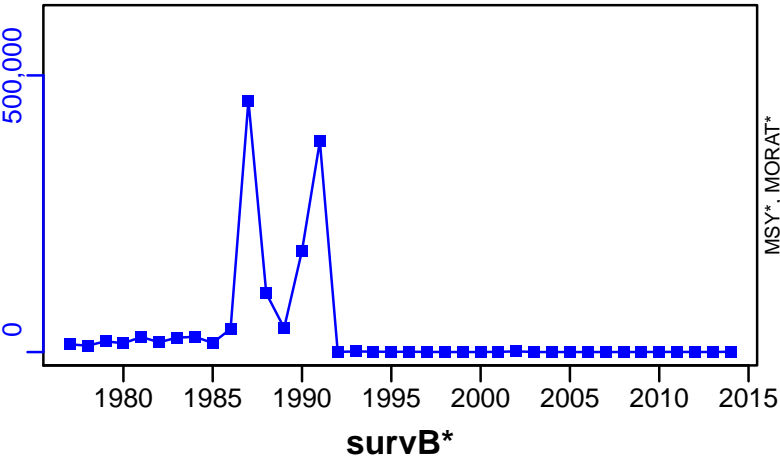


Recruits*



Walleye pollock Bogoslof [WPOLLBOGO]

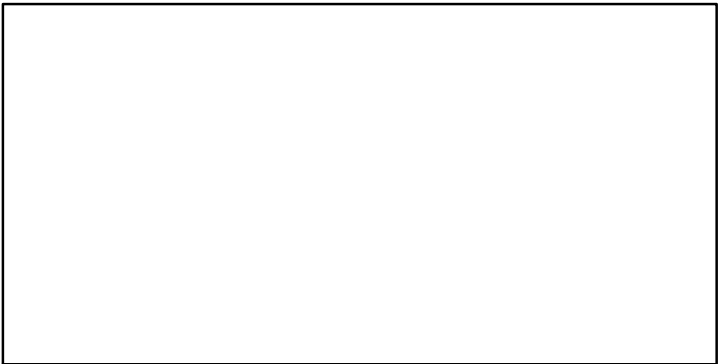
TC-MT, TL*, RecC* (1977-2014-SISIMP2016)



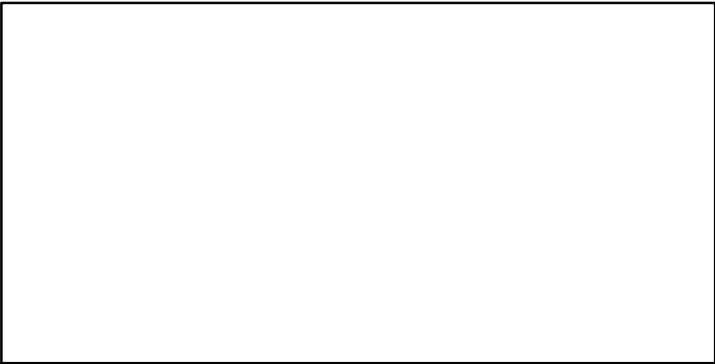
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Walleye pollock Central Western Gulf of Alaska [WPOLLCWGA]

Metadata	
Scientific Name	Theragra chalcogramma
Current Assess ID	AFSC-WPOLLCWGA-1970-2015-SISIMP2016
Area	Central Western Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	262,344
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	2015	1,730,000	-	3+
SSB	SSB-MT	2015	251,000	Females	5+
TN	-	-	-	-	-
R	R-E00	2015	8.93×10^8	-	1
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	143,000		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	0.96		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Walleye pollock Central Western Gulf of Alaska [WPOLLCWGA]

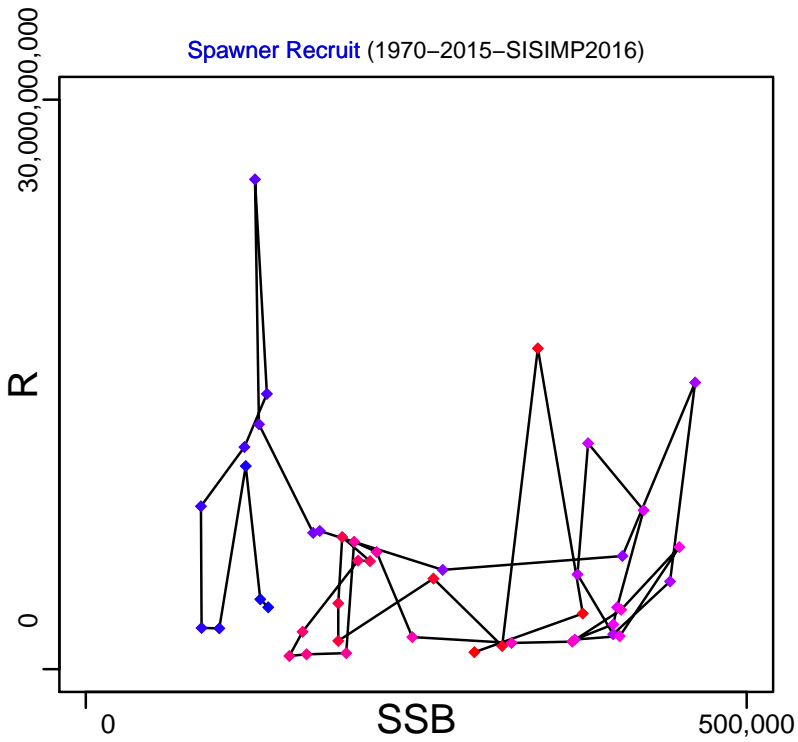
Kobe MSY*



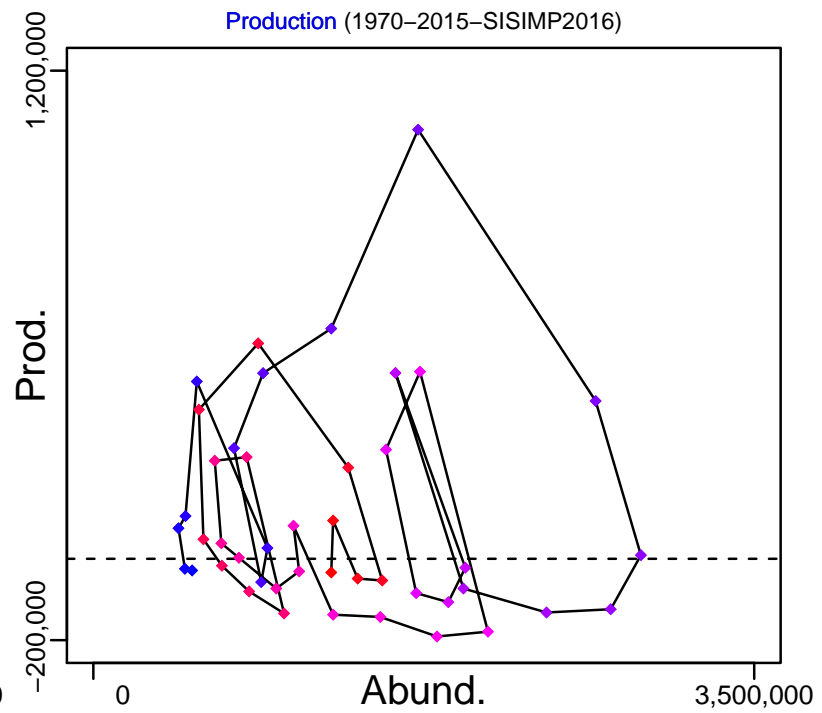
Kobe MGT*



Spawner Recruit (1970–2015–SISIMP2016)



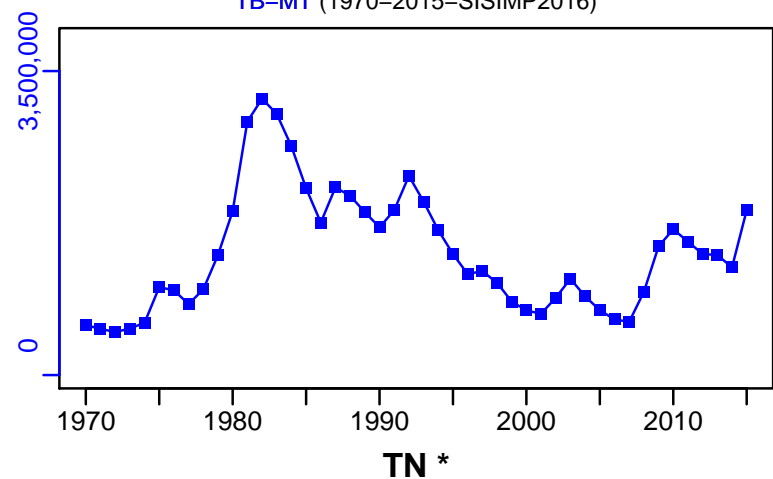
Production (1970–2015–SISIMP2016)



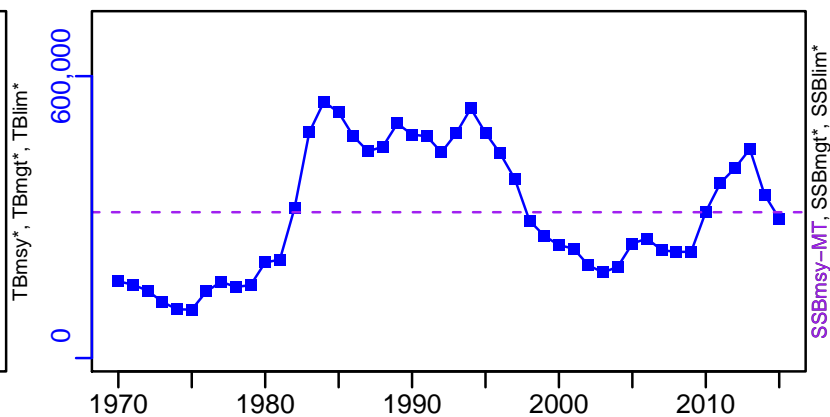
◆ Start Year ◆ End Year * No Data

Walleye pollock Central Western Gulf of Alaska [WPOLLCWGA]

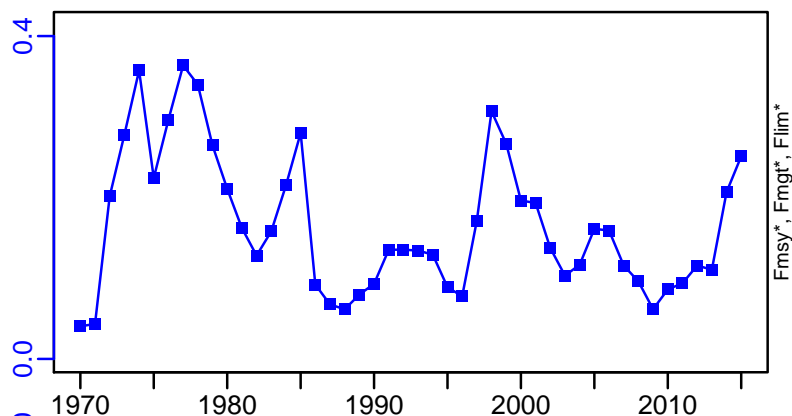
TB-MT (1970-2015-SISIMP2016)



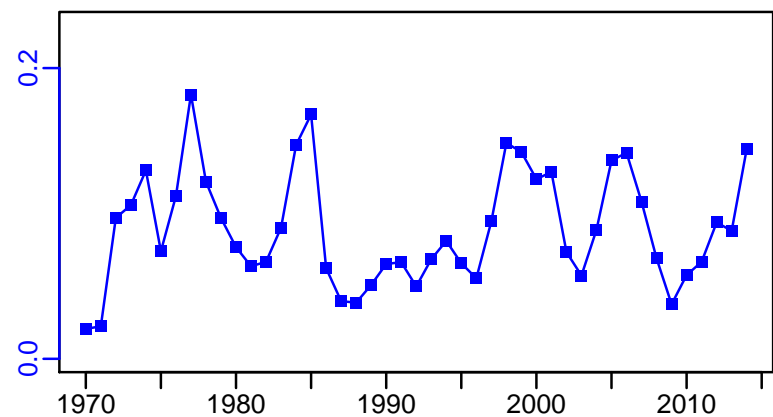
SSB-MT (1970-2015-SISIMP2016)



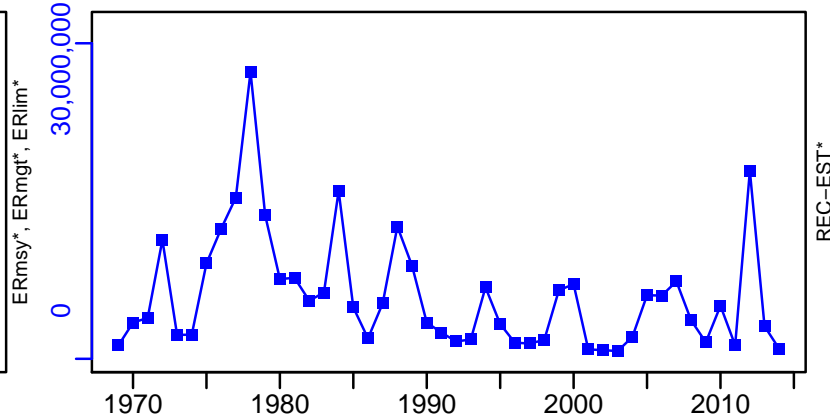
F-1/yr (1970-2015-SISIMP2016)



ER-calc-ratio (1970-2015-SISIMP2016)

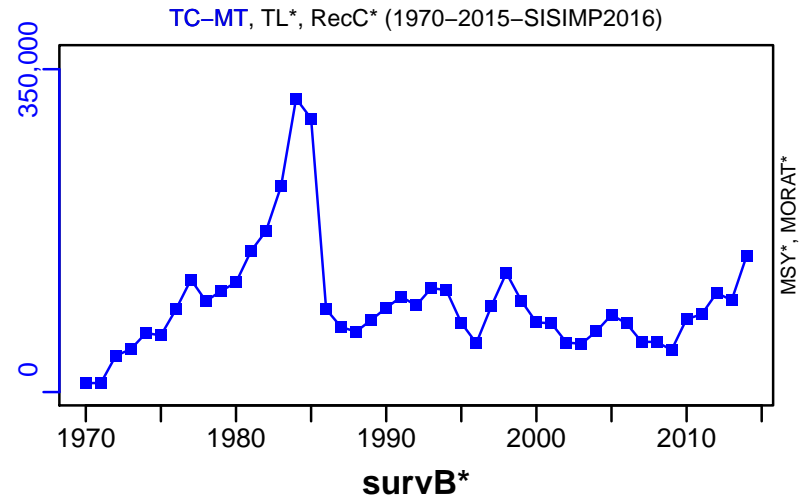


R-E00 (1970-2015-SISIMP2016)



Walleye pollock Central Western Gulf of Alaska [WPOLLCWGA]

TC-MT, TL*, RecC* (1970-2015-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Walleye pollock Eastern Bering Sea [WPOLLEBS]

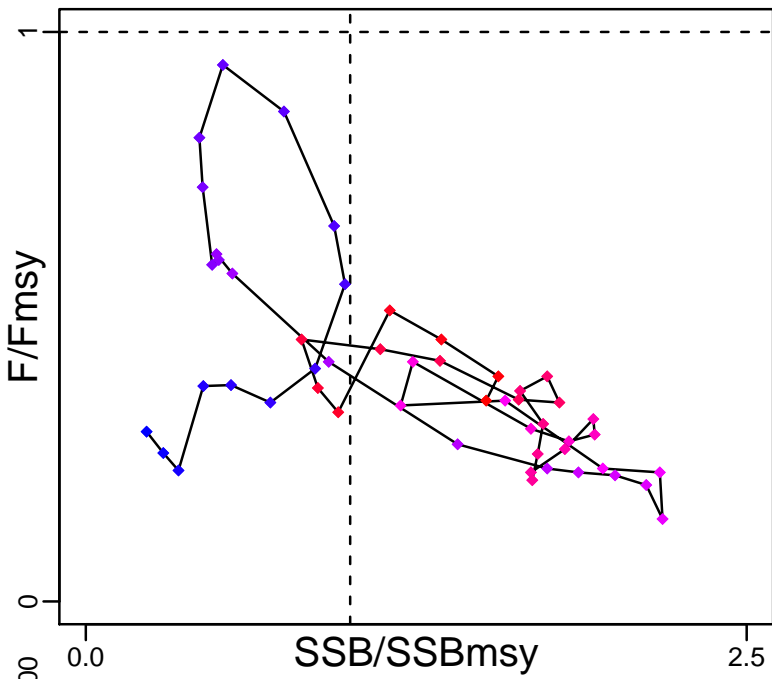
Metadata	
Scientific Name	Theragra chalcogramma
Current Assess ID	AFSC-WPOLLEBS-1963-2015-HIVELY
Area	Eastern Bering Sea
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	1,948,000
Fmsy	Fmsy-1/yr	2015	0.59
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	SSB0-MT	2015	5,162,000
MSY	-	-	-
M	M-1/yr	2015	0.3
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

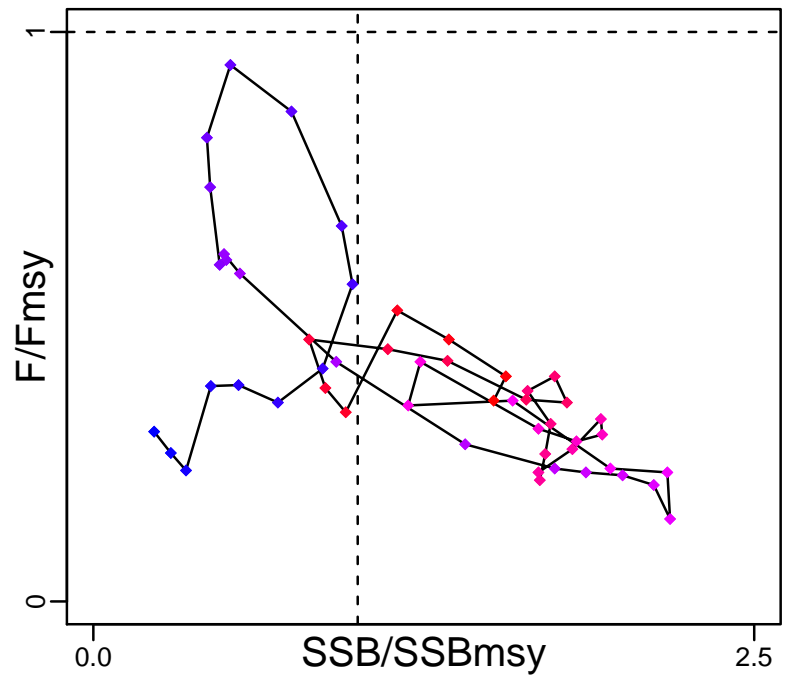
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	7,780,000	-	3+
SSB	SSB-MT	2015	2,950,000	Females	4+
TN	-	-	-	-	-
R	R-E00	2015	2.37×10^{10}	-	1
F	F-1/yr	2015	0	-	3 to 8
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	1,290,000		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.51		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.35		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Walleye pollock Eastern Bering Sea [WPOLLEBS]

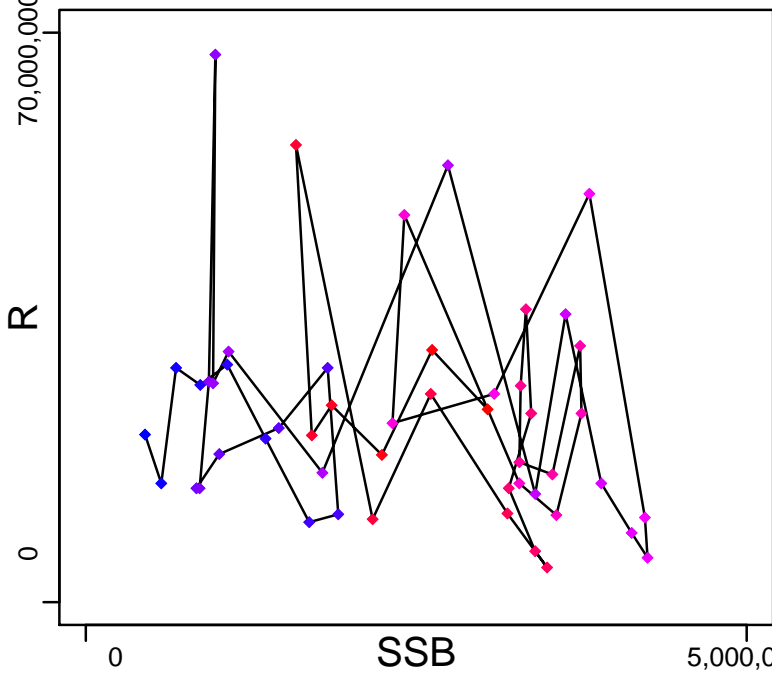
Kobe MSYpref (1963–2015–HIVELY)



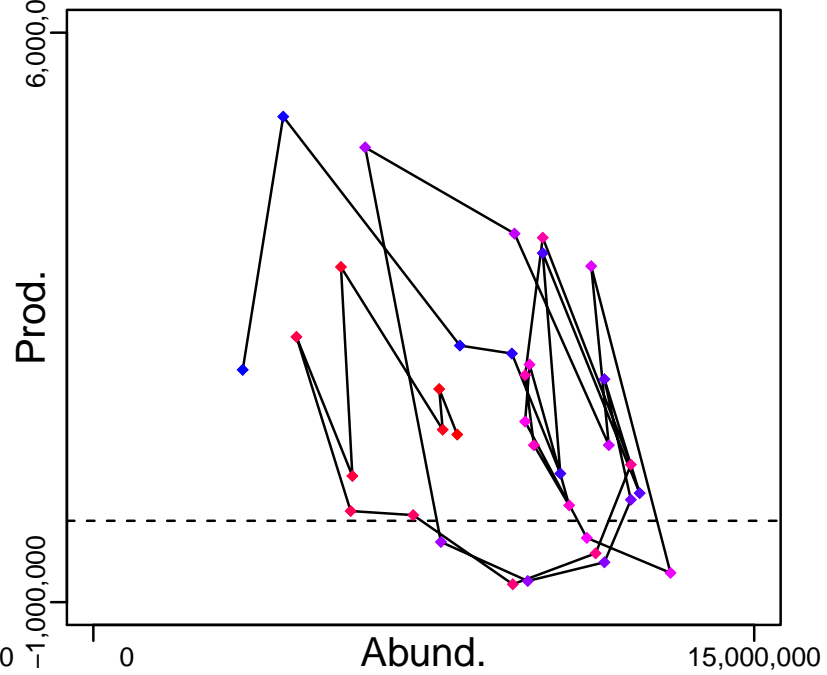
Kobe MGTpref (1963–2015–HIVELY)



Spawner Recruit (1963–2015–HIVELY)

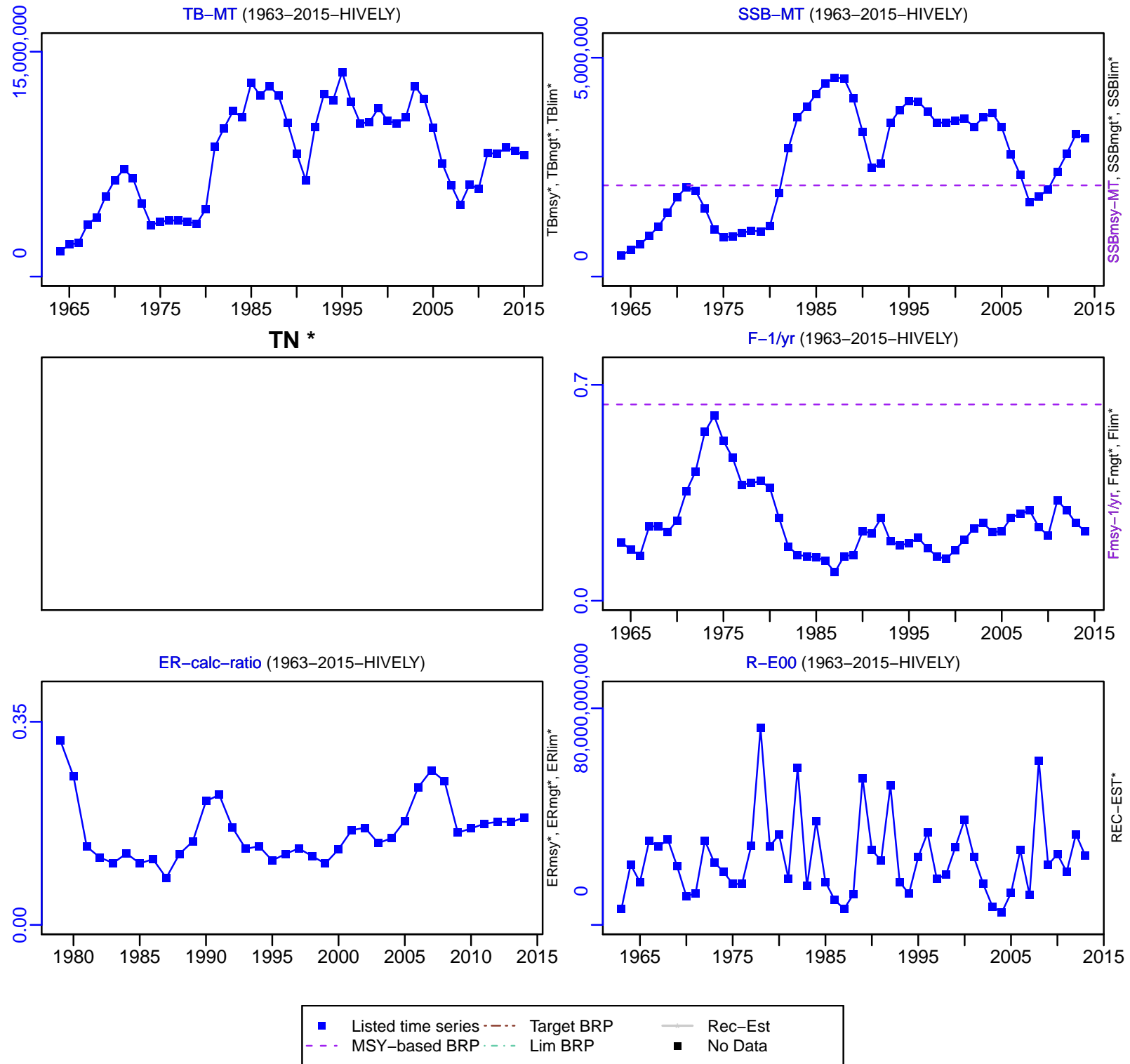


Production (1963–2015–HIVELY)



◆ Start Year ◆ End Year * No Data

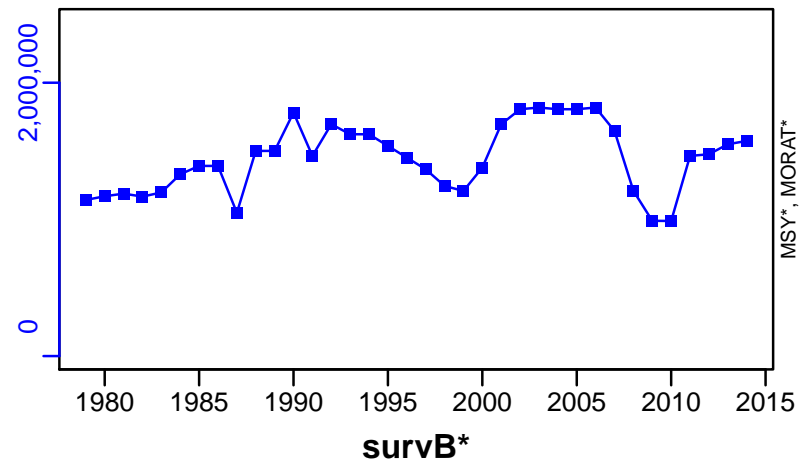
Walleye pollock Eastern Bering Sea [WPOLLEBS]



Walleye pollock Eastern Bering Sea [WPOLLEBS]

TC-MT, TL*, RecC* (1963-2015-HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*



Walleye pollock Gulf of Alaska [WPOLLGA]

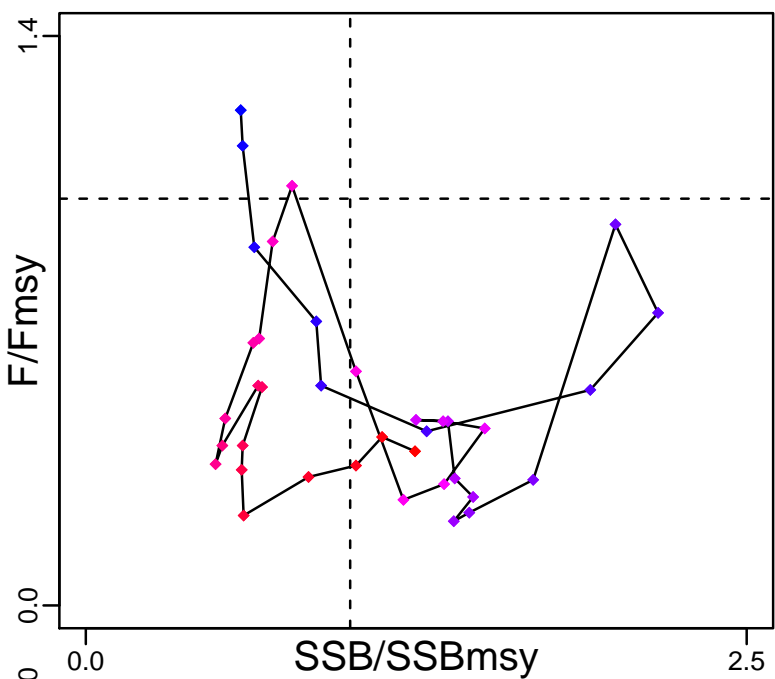
Metadata	
Scientific Name	Theragra chalcogramma
Current Assess ID	AFSC-WPOLLGA-1970-2014-HIVELY
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-pr-MT	2014	273,000
Fmsy	Fmsy-pr-1/yr	2014	0.28
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2014	312,000
Fmgt	Fmgt-1/yr	2014	0.24
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2014	0.3
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

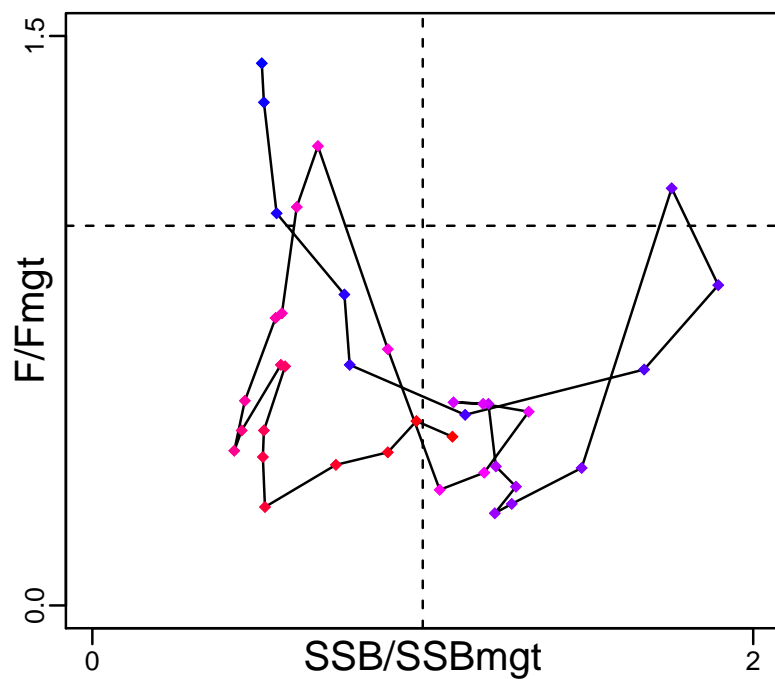
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2014	1,070,000	-	3+
SSB	SSB-MT	2014	340,000	Females	5+
TN	-	-	-	-	-
R	R-E00	2014	4.08×10^9	-	1
F	F-1/yr	2014	0	-	-
ER	ER-ratio	2014	0	-	-
TC	TC-MT	2014	96,400		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2014	1.25		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2014	0.62		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	1.09		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	0.73		
ER/ERmgt	-	-	-		

Walleye pollock Gulf of Alaska [WPOLLGA]

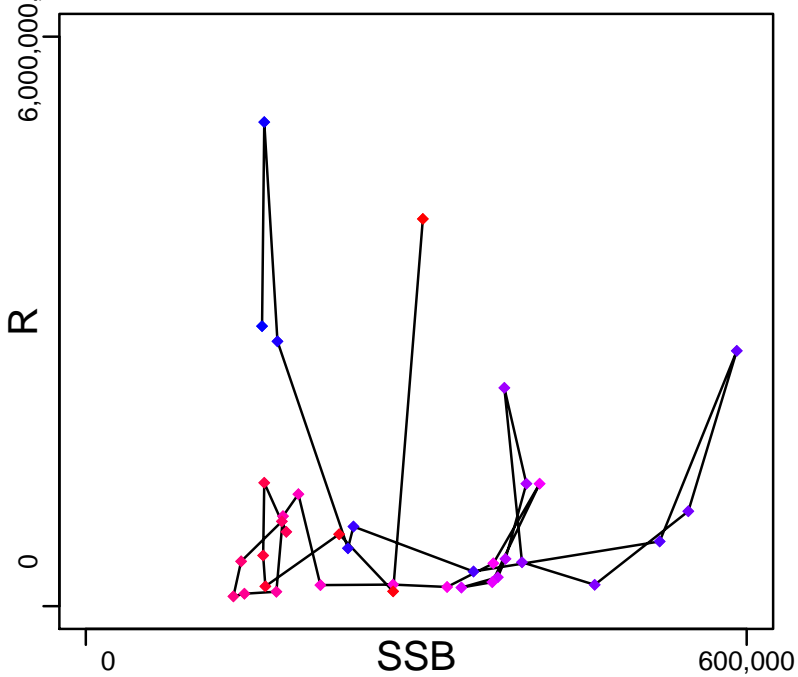
Kobe MSYpref (1970–2014–HIVELY)



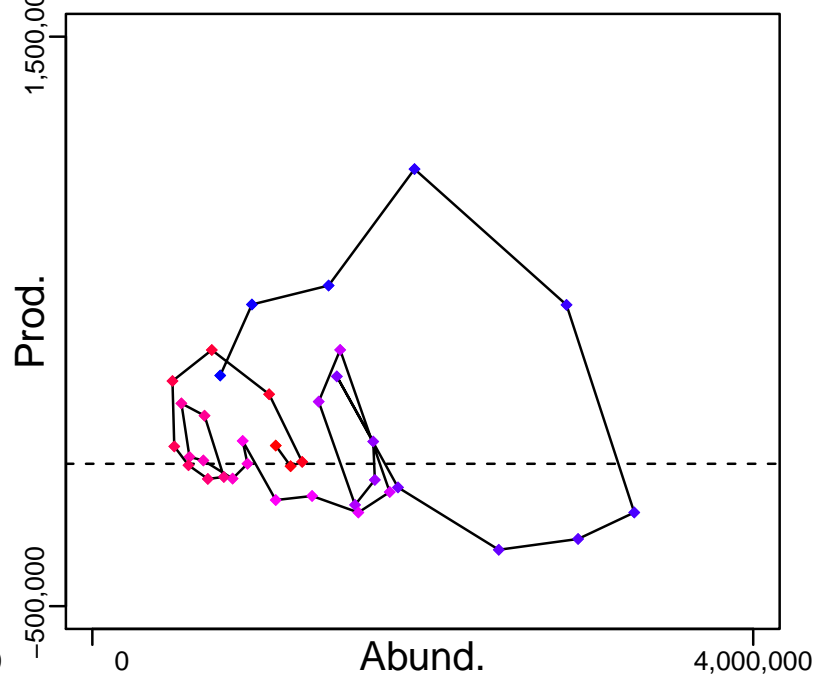
Kobe MGTpref (1970–2014–HIVELY)



Spawner Recruit (1970–2014–HIVELY)



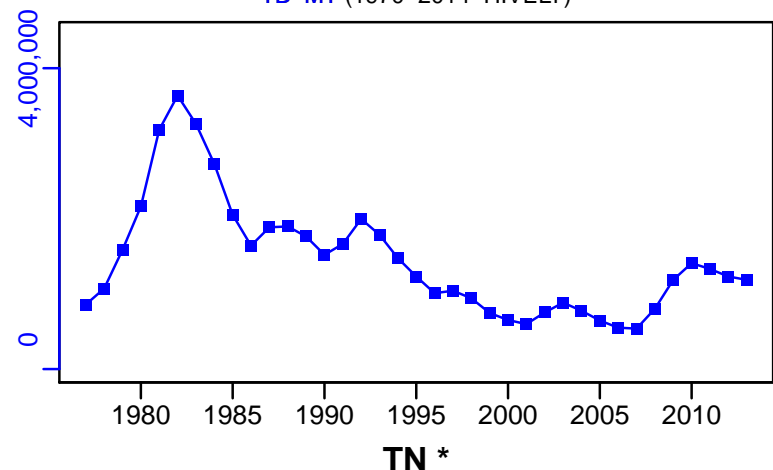
Production (1970–2014–HIVELY)



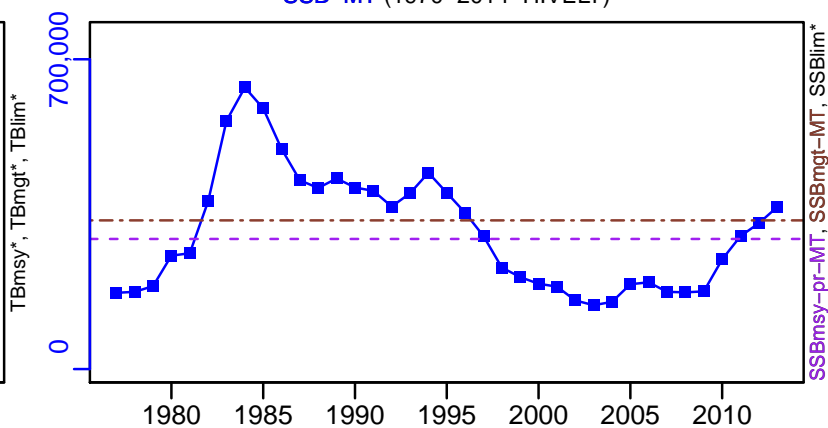
◆ Start Year ◆ End Year * No Data

Walleye pollock Gulf of Alaska [WPOLLGA]

TB-MT (1970–2014–HIVELY)



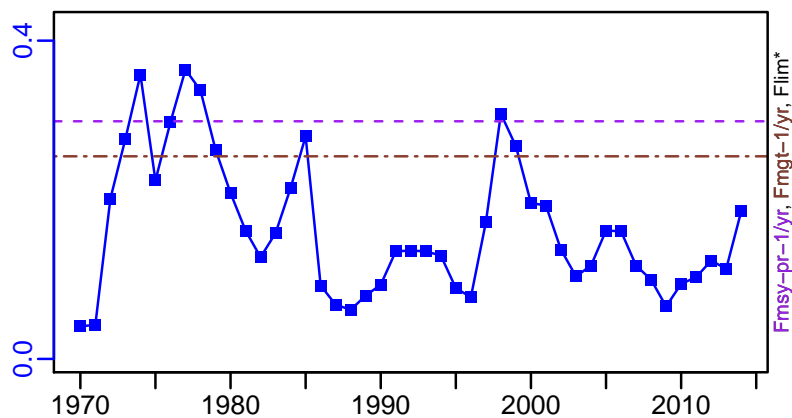
SSB-MT (1970–2014–HIVELY)



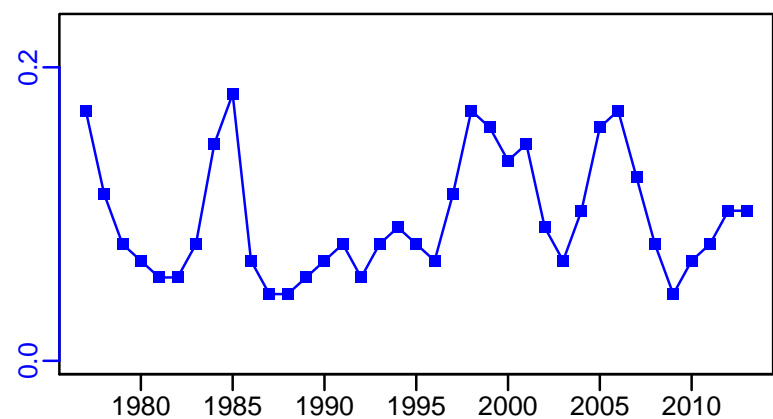
TN *



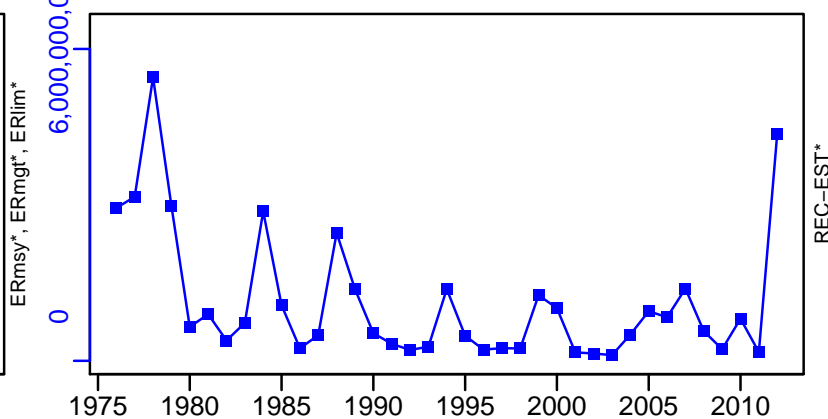
F-1/yr (1970–2014–HIVELY)



ER-ratio (1970–2014–HIVELY)



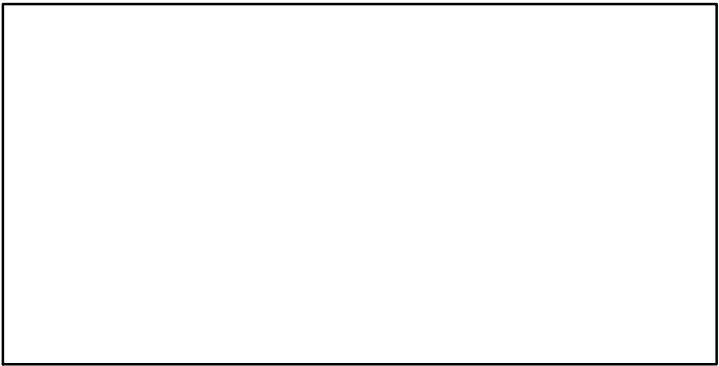
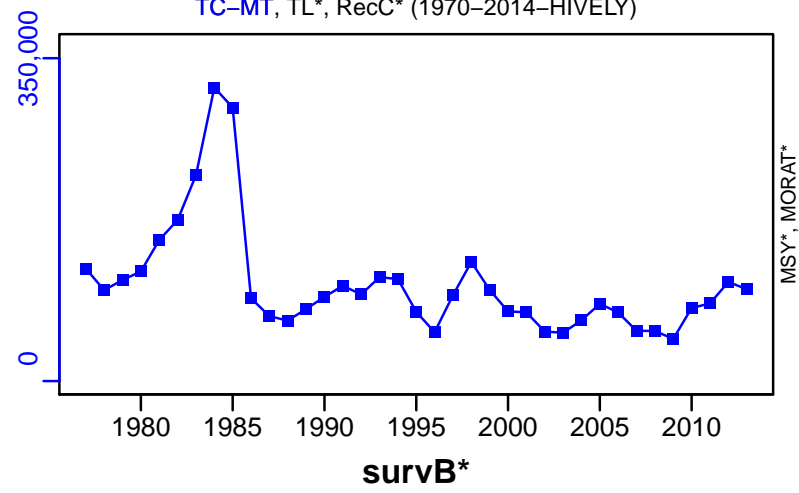
R-E00 (1970–2014–HIVELY)



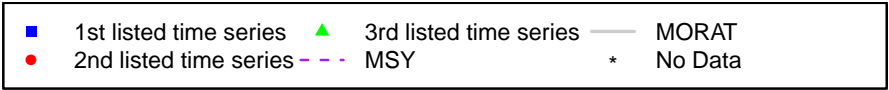
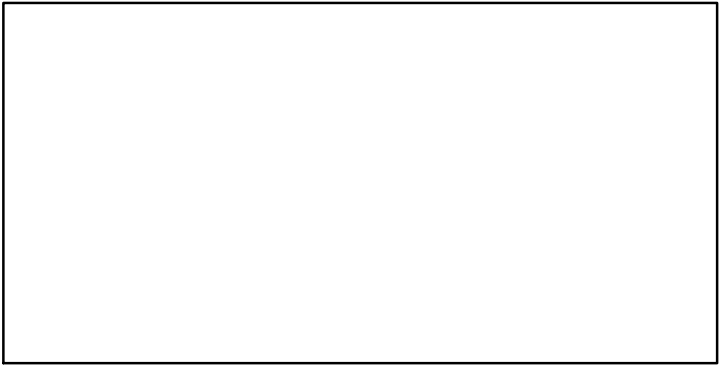
Walleye pollock Gulf of Alaska [WPOLLGA]

TC-MT, TL*, RecC* (1970-2014-HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*



Weathervane scallop Alaska [WVSCALLALASKA]

Metadata	
Scientific Name	Patinopecten caurinus
Current Assess ID	AFSC-WVSCALLALASKA-1994-2015-SISIMP2016
Area	Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2015	582
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2015	140		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



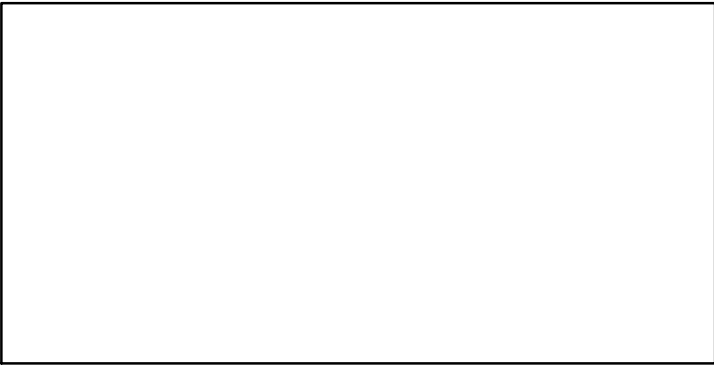
Production*



◆ Start Year ◆ End Year * No Data

Weathervane scallop Alaska [WVSCALLALASKA]

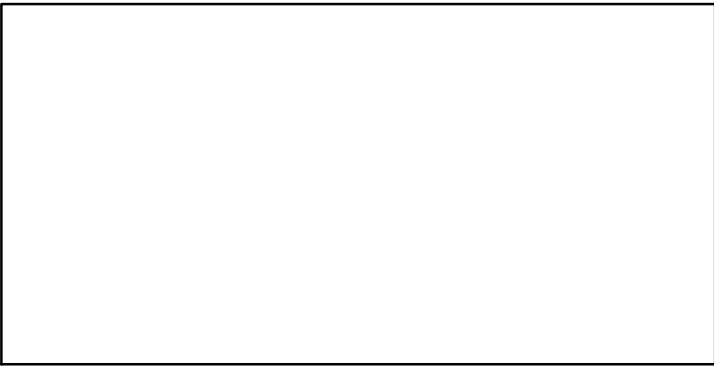
TB*



SSB*



TN *



F*



ER*



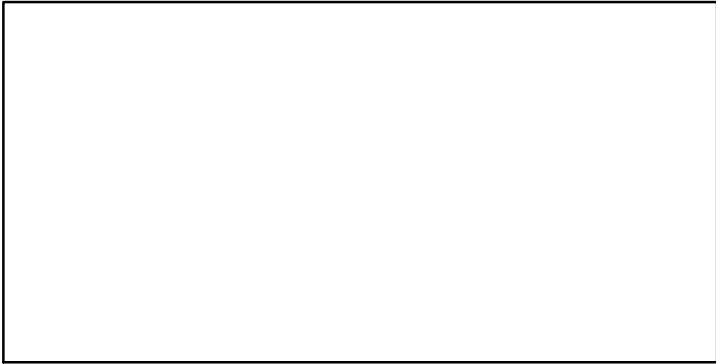
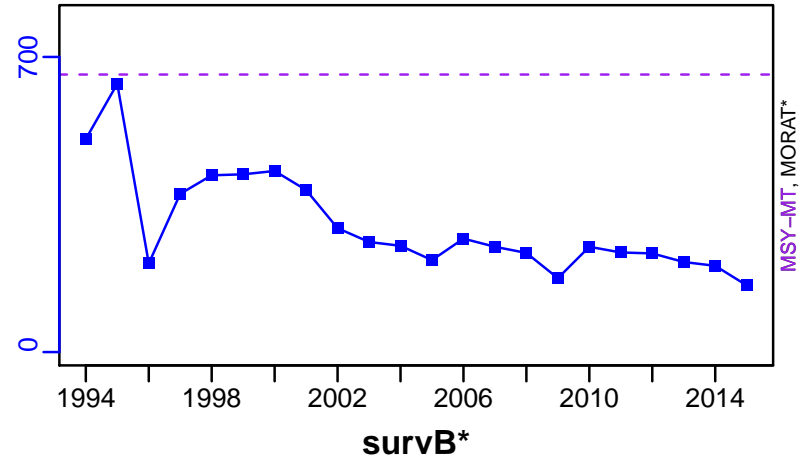
Recruits*



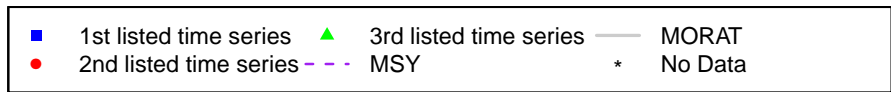
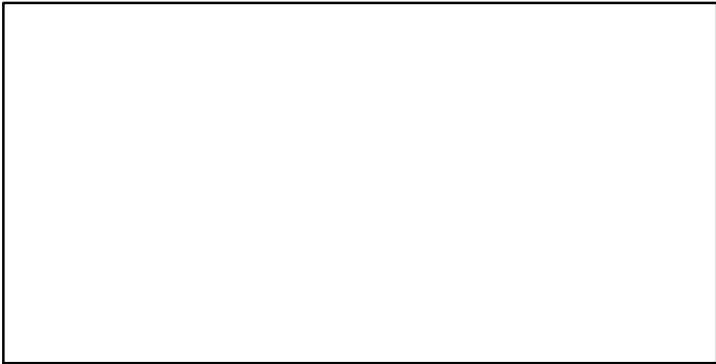
Weathervane scallop Alaska [WVSCALLALASKA]

TC-MT, TL*, RecC* (1994-2015-SISIMP2016)

TAC*, Cpair*, Cadv*



EFFORT*



Yelloweye rockfish Gulf of Alaska [YEYEROCKGA]

Metadata	
Scientific Name	Sebastes ruberrimus
Current Assess ID	AFSC-YEYEROCKGA-1990-2014-SISIMP2016
Area	Gulf of Alaska
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2014

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2014	98		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

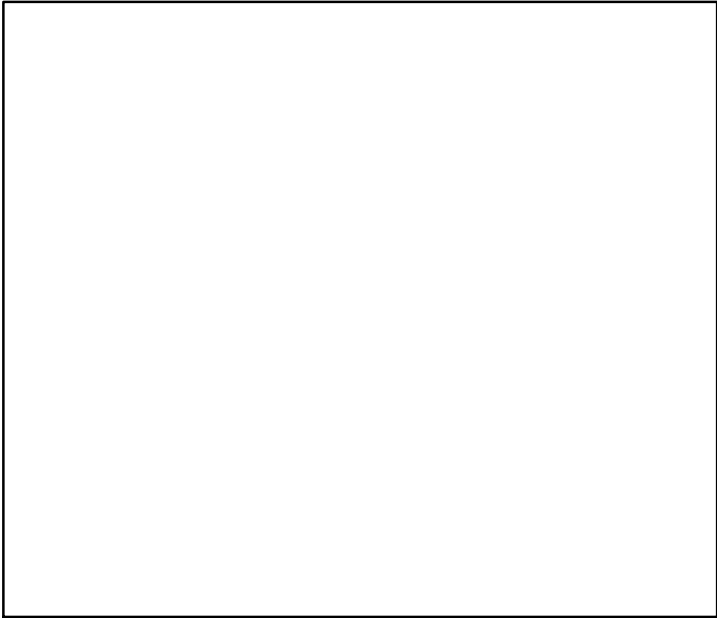
Kobe MSY*



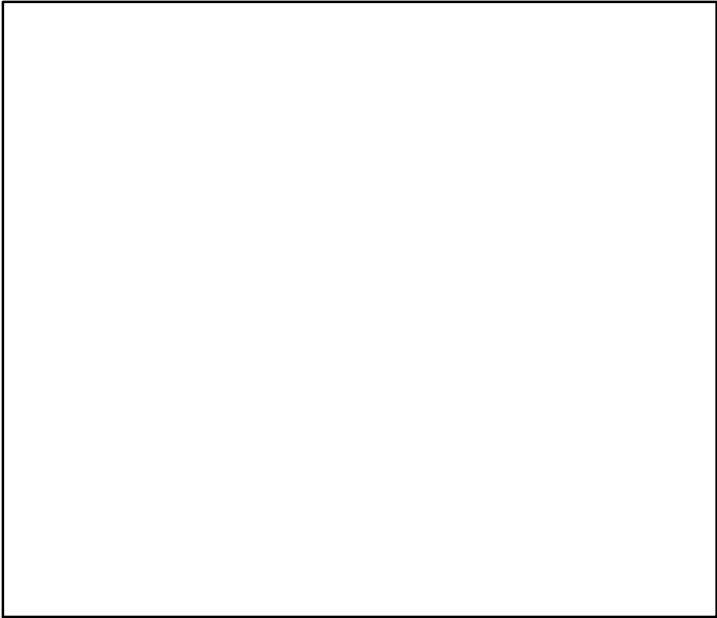
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Yelloweye rockfish Gulf of Alaska [YEYEROCKGA]

TB*



SSB*



TN *



F*



ER*

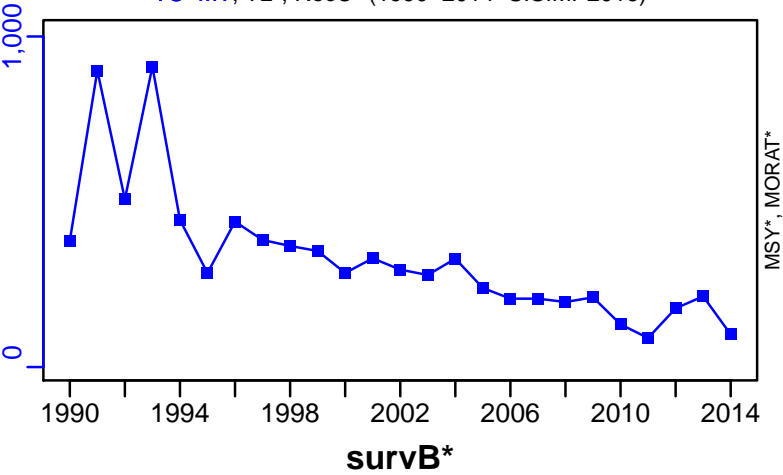


Recruits*



Yelloweye rockfish Gulf of Alaska [YEYEROCKGA]

TC-MT, TL*, RecC* (1990-2014-SISIMP2016)



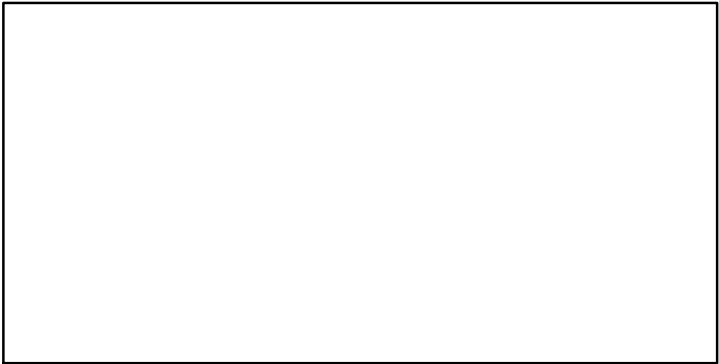
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Yellowfin sole Bering Sea and Aleutian Islands [YSOLEBSAI]

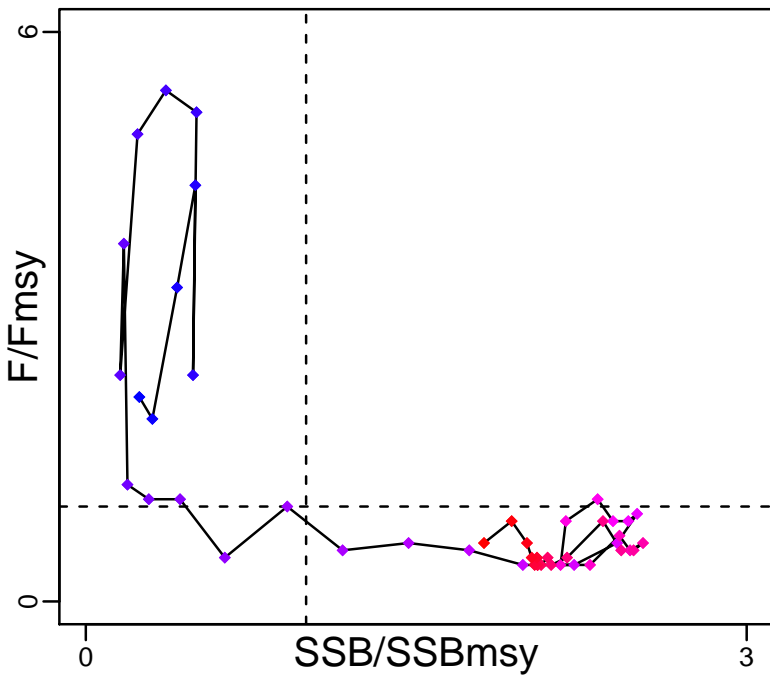
Metadata	
Scientific Name	Limanda aspera
Current Assess ID	AFSC-YSOLEBSAI-1954-2015-SISIMP2016
Area	Bering Sea and Aleutian Islands
Management Authority	National Marine Fisheries Service, US national management
Assessor	Alaska Fisheries Science Center
Asmts in RAM	2010, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2015	435,000
Fmsy	Fmsy-pr-1/yr	2010	0.13
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.12
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

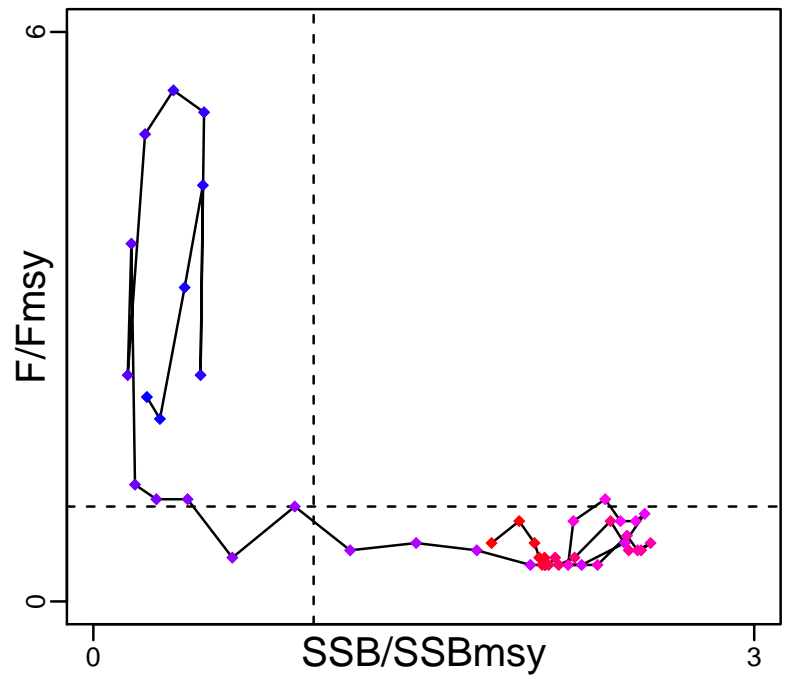
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	2,310,000	-	1+
SSB	SSB-MT	2015	697,000	Females	10.5+
TN	-	-	-	-	-
R	R-E00	2015	2,220,000	-	1
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	157,000		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2015	1.6		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2010	0.62		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Yellowfin sole Bering Sea and Aleutian Islands [YSOLEBSAI]

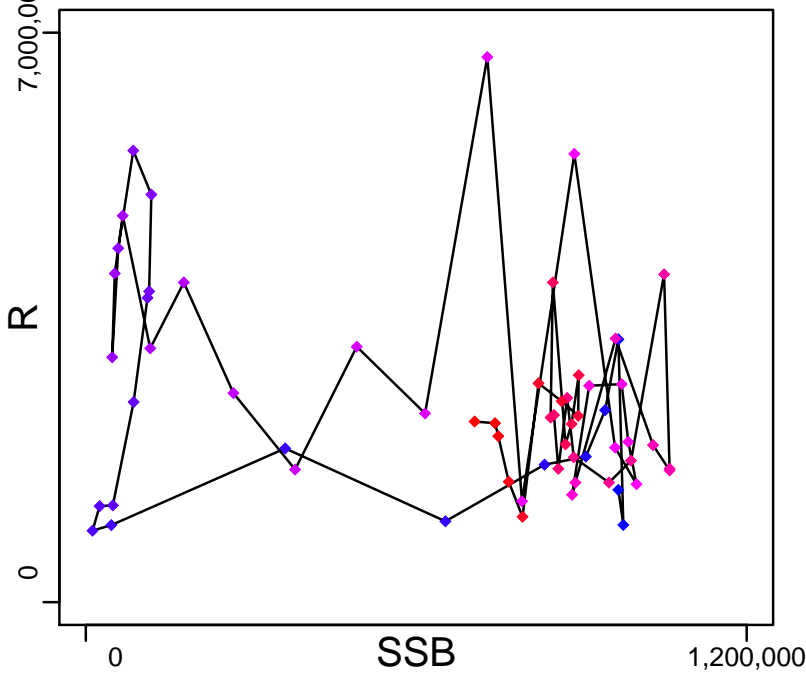
Kobe MSYpref (1949–2010–STACHURA)



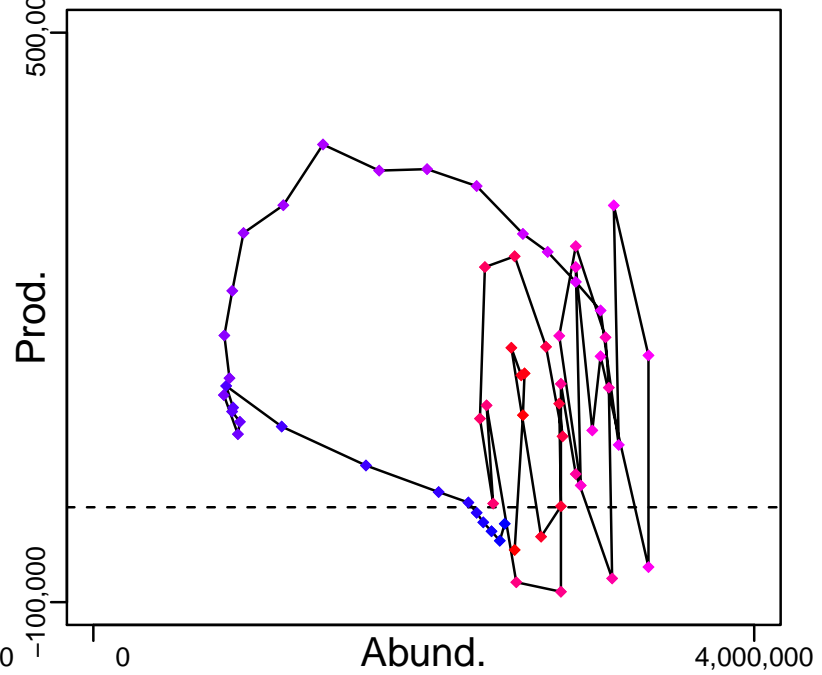
Kobe MGTpref (1949–2010–STACHURA)



Spawner Recruit (1954–2015–SISIMP2016)



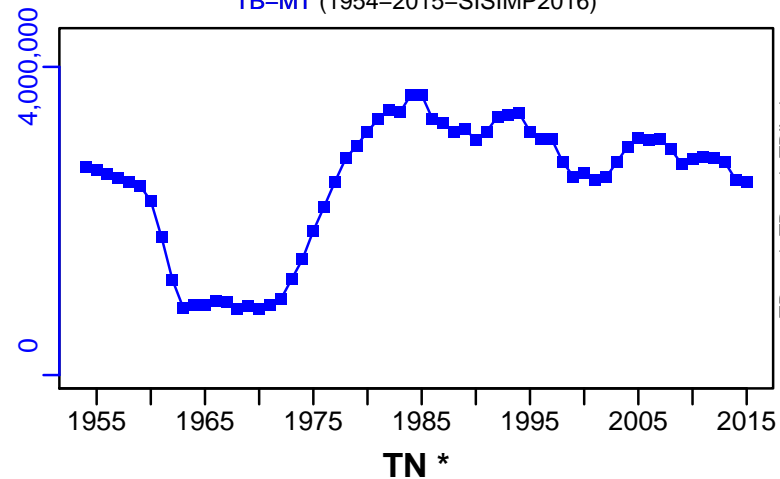
Production (1954–2015–SISIMP2016)



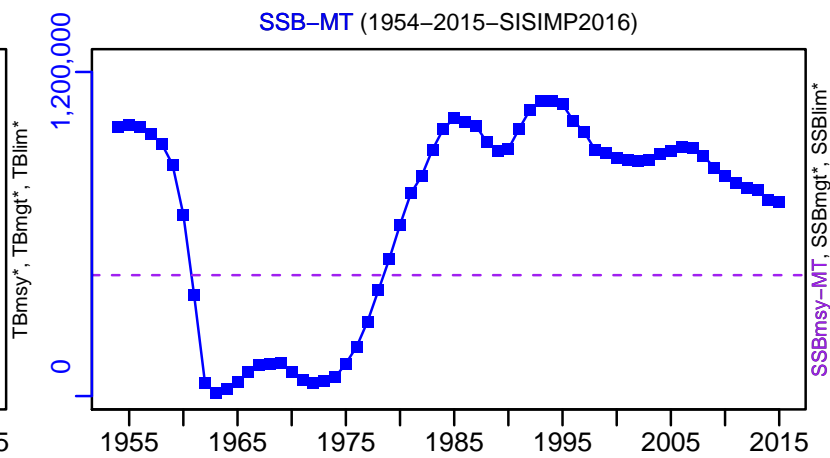
◆ Start Year ◆ End Year * No Data

Yellowfin sole Bering Sea and Aleutian Islands [YSOLEBSAI]

TB-MT (1954-2015-SISIMP2016)

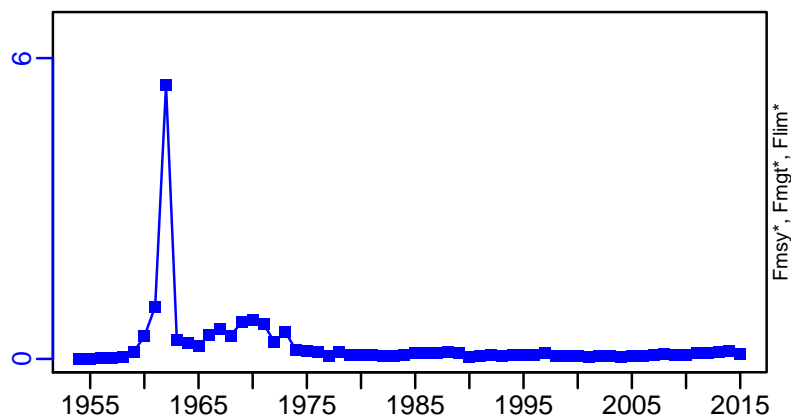
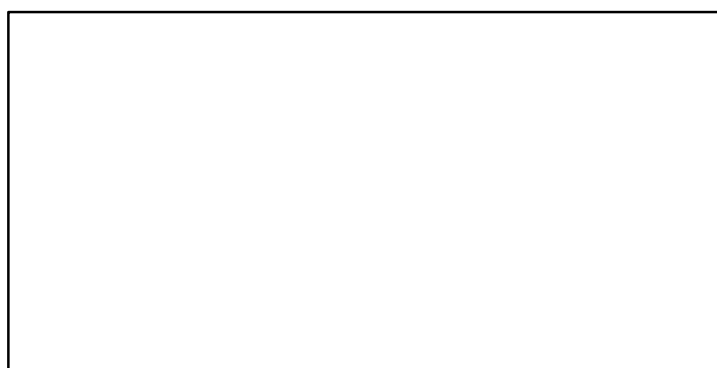


SSB-MT (1954-2015-SISIMP2016)

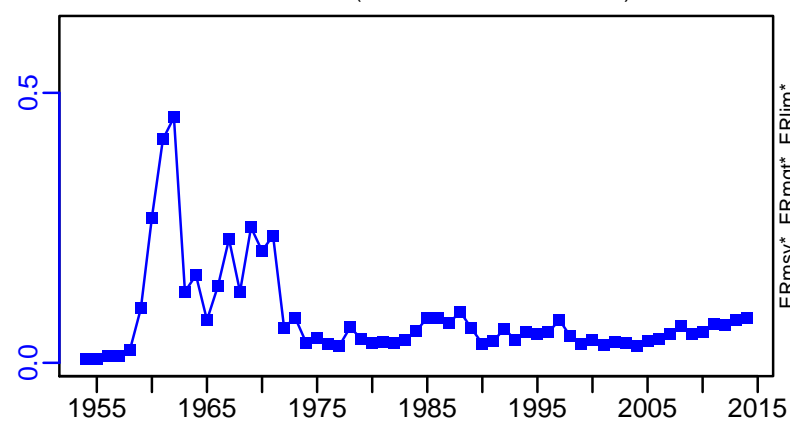


TN *

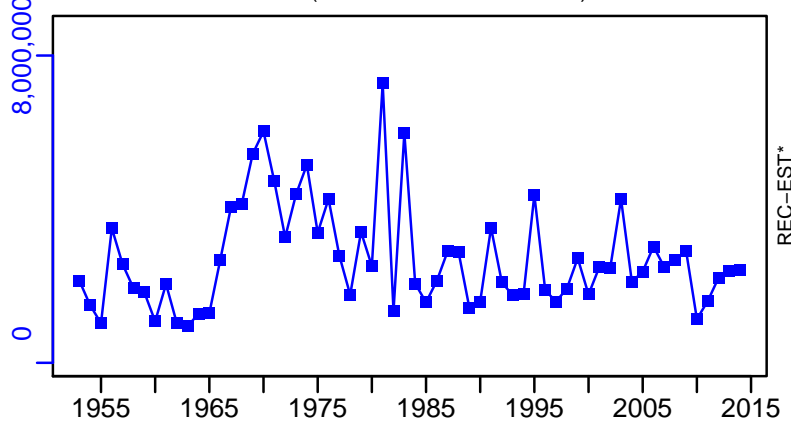
F-1/yr (1954-2015-SISIMP2016)



ER-calc-ratio (1954-2015-SISIMP2016)

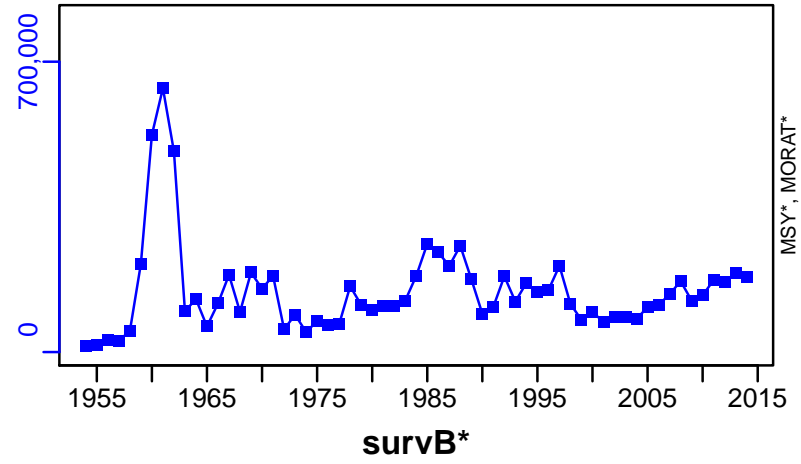


R-E00 (1954-2015-SISIMP2016)



Yellowfin sole Bering Sea and Aleutian Islands [YSOLEBSAI]

TC-MT, TL*, RecC* (1954-2015-SISIMP2016)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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