

echinoderms Stocks

v4.66 (Nov-03-2024)

Not present Present Preferred

Stock	B/Bmsy	Time Series Types			
		U/Umsy	B/Bmgt	U/Umgt	
1. GURCH4RST [Green sea urchin Gulf of St. Lawrence]	TB SSB	ER F	TB SSB	ER F	
2. OFSC3Ps [Orange-footed sea cucumber St. Pierre Bank]	TB SSB	ER F	TB SSB	ER F	
3. OFSCIQCU3 [Orange-footed sea cucumber Inshore Quebec Unit 3]	TB SSB	ER F	TB SSB	ER F	
4. OFSCIQCUB [Orange-footed sea cucumber Inshore Quebec Unit B]	TB SSB	ER F	TB SSB	ER F	
5. OFSCIQCUC [Orange-footed sea cucumber Inshore Quebec Unit C]	TB SSB	ER F	TB SSB	ER F	

Green sea urchin Gulf of St. Lawrence [GURCH4RST]

Metadata	
Scientific Name	Strongylocentrotus droebachiensis
Current Assess ID	DFO-QUE-GURCH4RST-1991-2015-ASHBROOK
Area	Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Asmts in RAM	2011, 2015

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	589		
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

Green sea urchin Gulf of St. Lawrence [GURCH4RST]

TB*



SSB*



TN *



F*



ER*



Recruits*

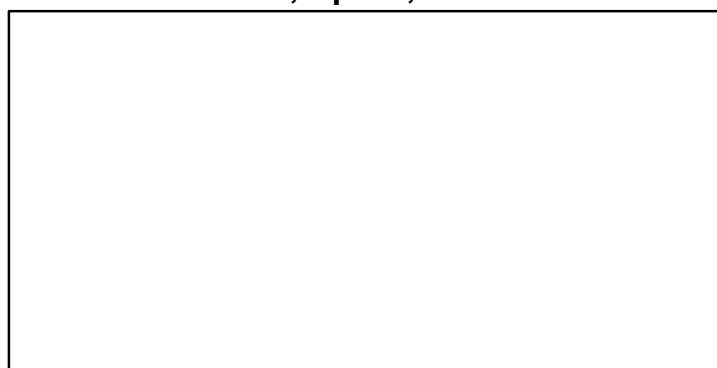
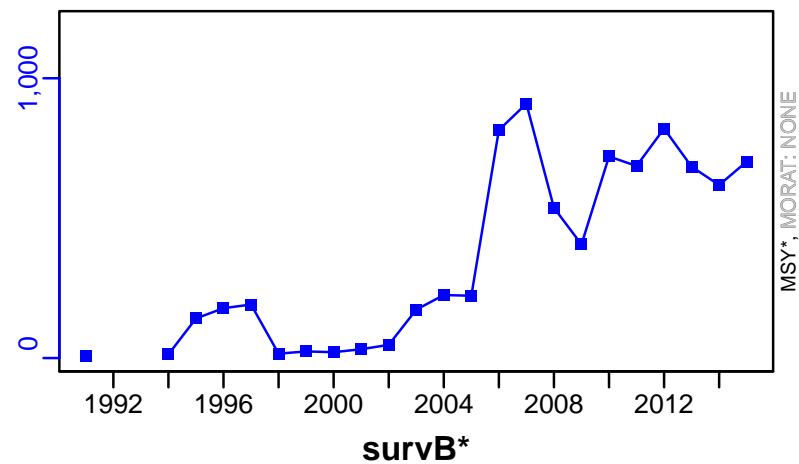


■ Listed time series	- - - Target BRP	— Rec-Est
- - - MSY-based BRP	· · · Lim BRP	* No Data

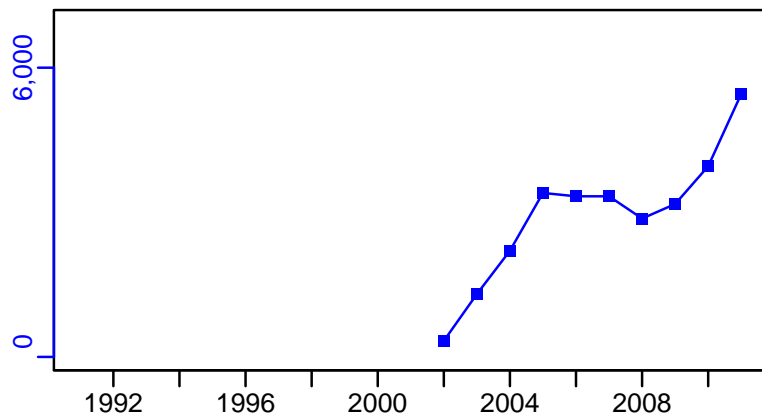
Green sea urchin Gulf of St. Lawrence [GURCH4RST]

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

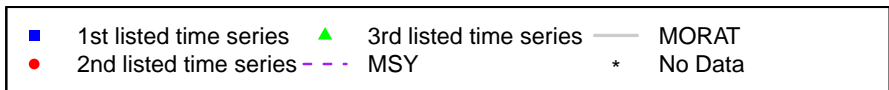
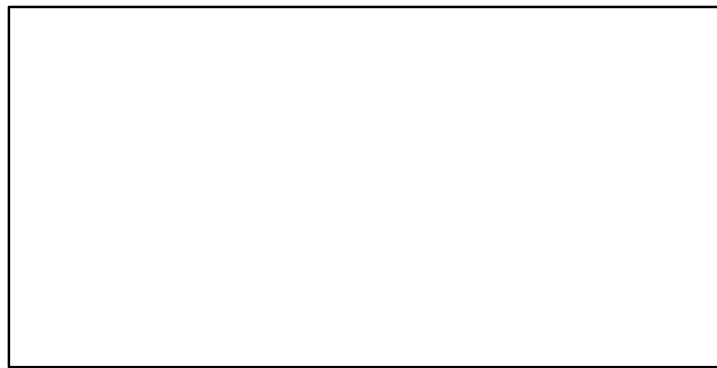
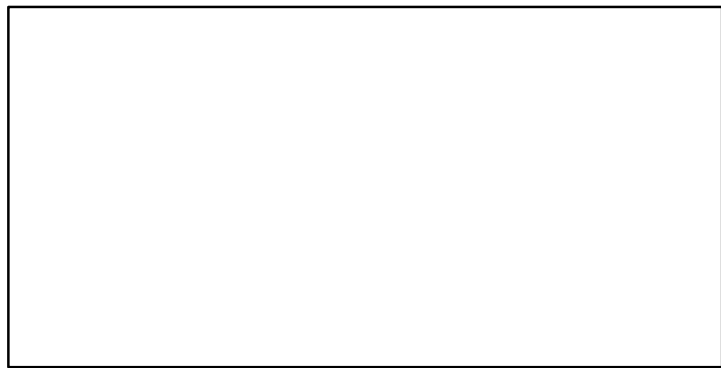
TAC*, Cpair*, Cadv*



CPUE-1-kg/day (1991-2011-CHING)



EFFORT*



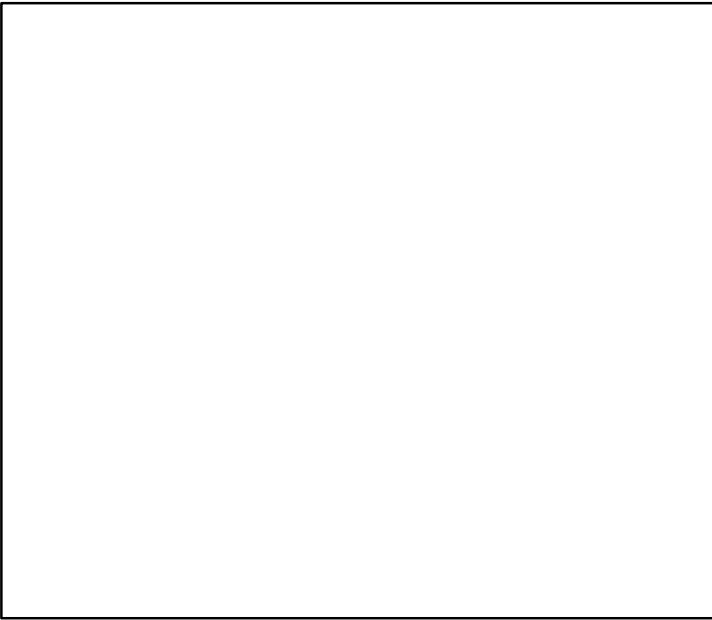
Orange-footed sea cucumber St. Pierre Bank [OFSC3Ps]

Metadata	
Scientific Name	Cucumaria frondosa
Current Assess ID	DFO-NFLD-OFSC3Ps-2003-2016-ASHBROOK
Area	St. Pierre Bank
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Newfoundland Region
Asmts in RAM	2016

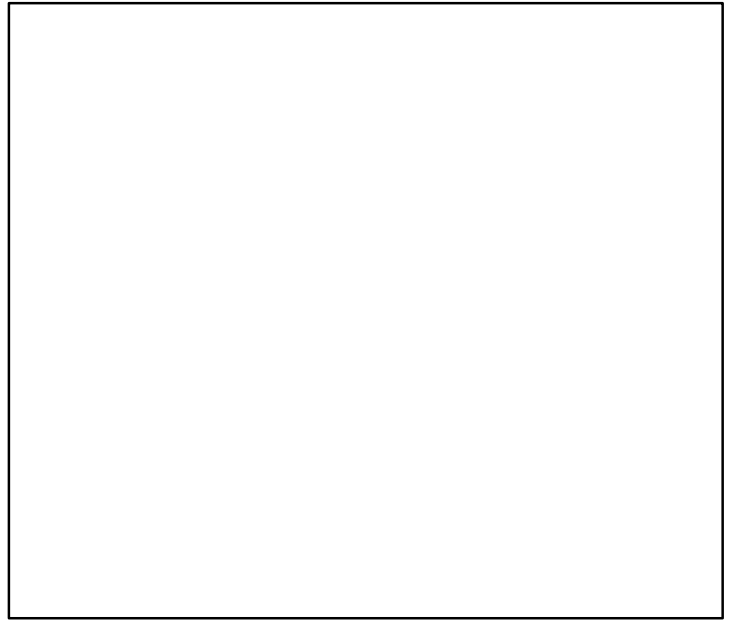
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	1571		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

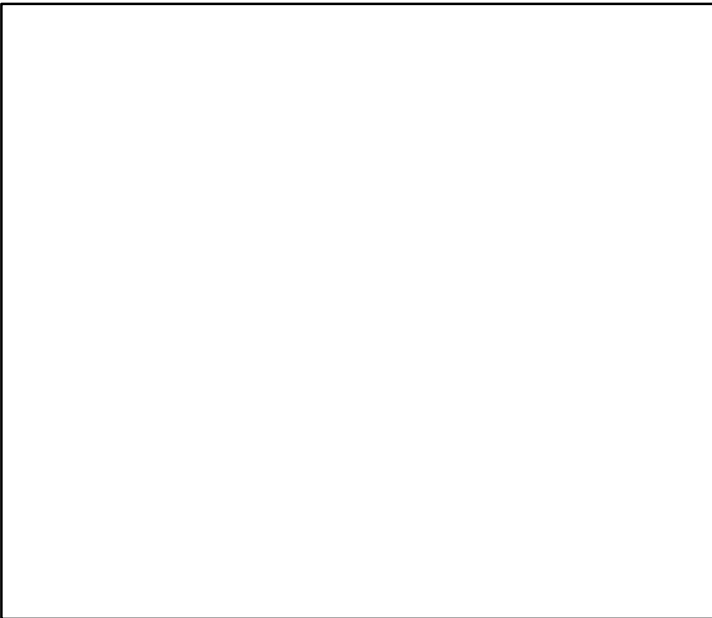
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Orange-footed sea cucumber St. Pierre Bank [OFSC3Ps]

TB*



SSB*



TN *



F*



ER*



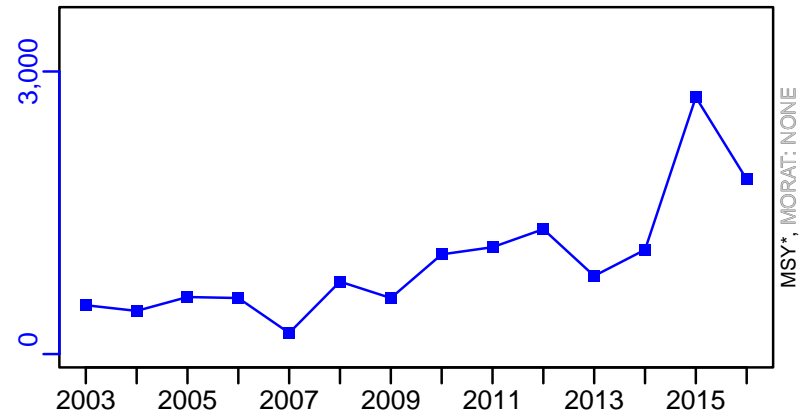
Recruits*



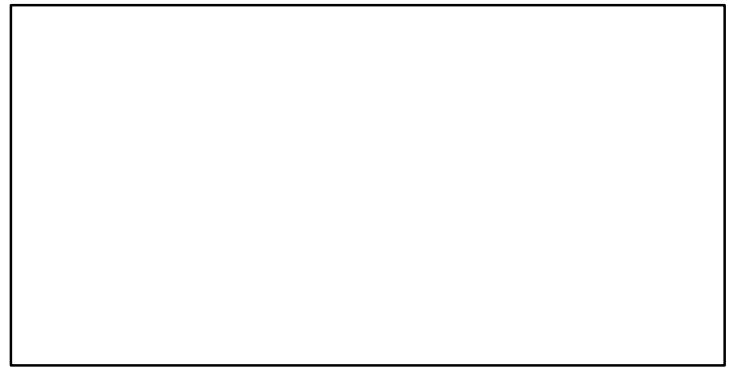
■ Listed time series	- - - Target BRP	— Rec-Est
- - - MSY-based BRP	- - - Lim BRP	* No Data

Orange-footed sea cucumber St. Pierre Bank [OFSC3Ps]

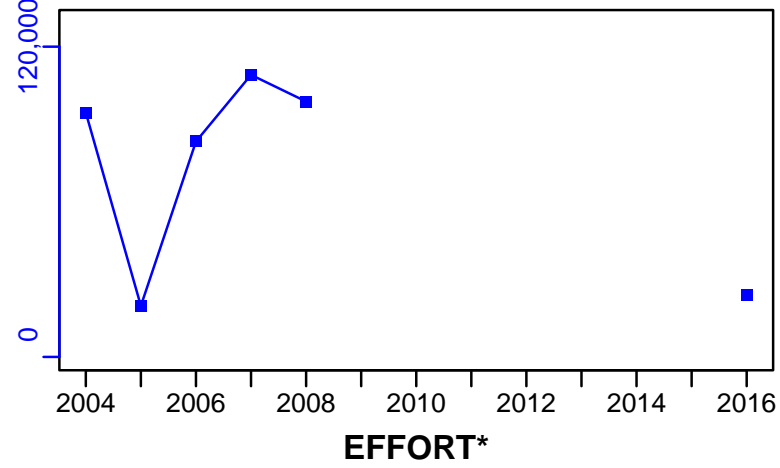
TC-MT, TL*, RecC* (2003–2016–ASHBROOK)



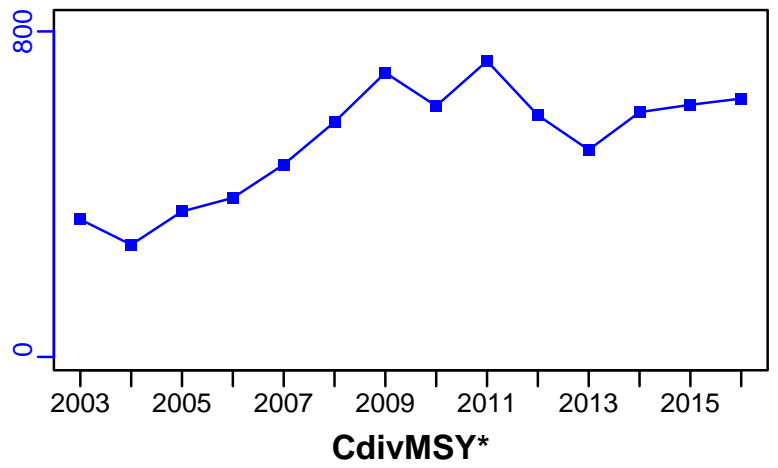
TAC*, Cpair*, Cadv*



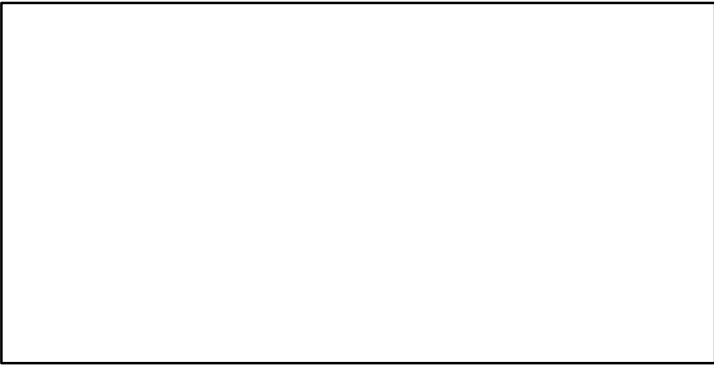
survB-1-MT (2003–2016–ASHBROOK)



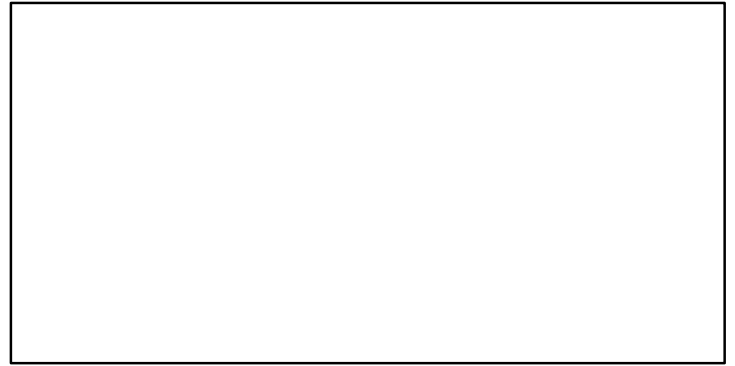
CPUE-index (2003–2016–ASHBROOK)



EFFORT*



CdivMSY*



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

Orange-footed sea cucumber Inshore Quebec Unit 3 [OFSCIQCU3]

Metadata	
Scientific Name	Cucumaria frondosa
Current Assess ID	DFO-QUE-OFSCIQCU3-2009-2016-ASHBROOK
Area	Inshore Quebec Unit 3
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Asmts in RAM	2016

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	526		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*

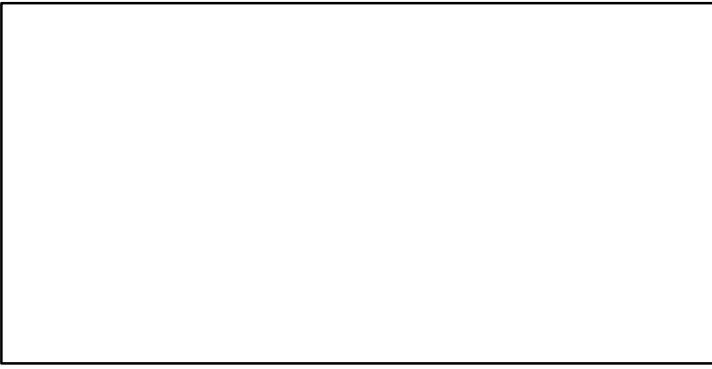


Production*

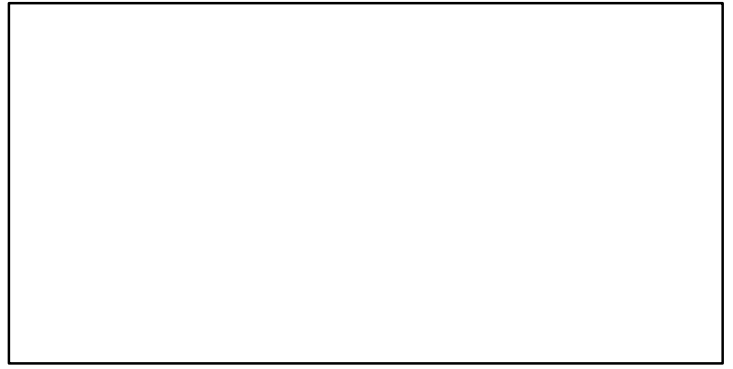


◆ Start Year ◆ End Year * No Data

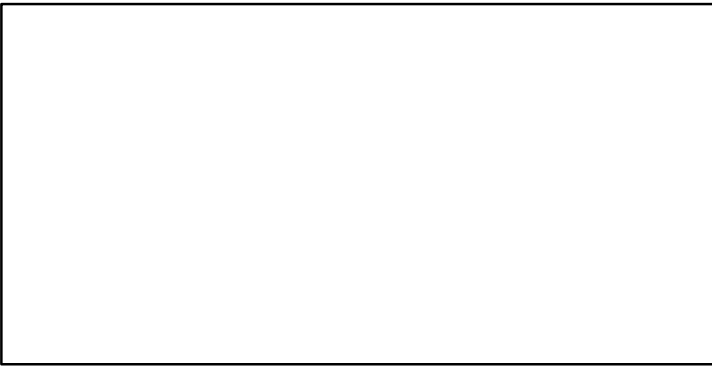
TB*



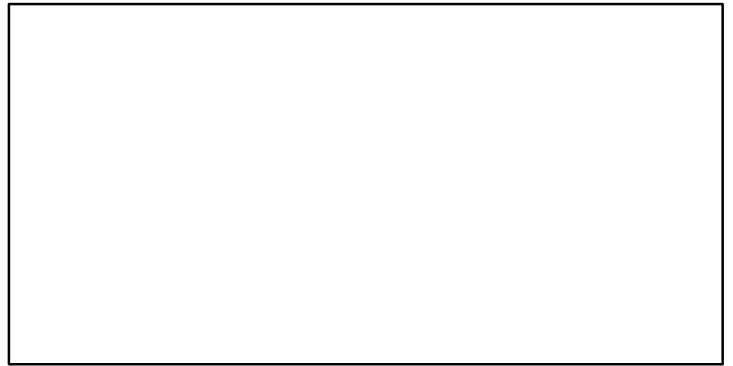
SSB*



TN *



F*



ER*



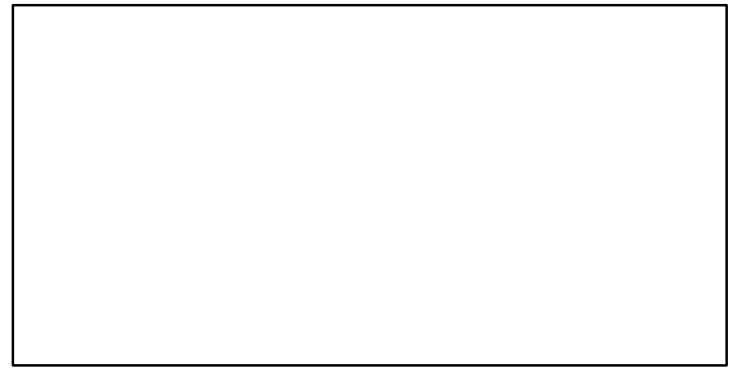
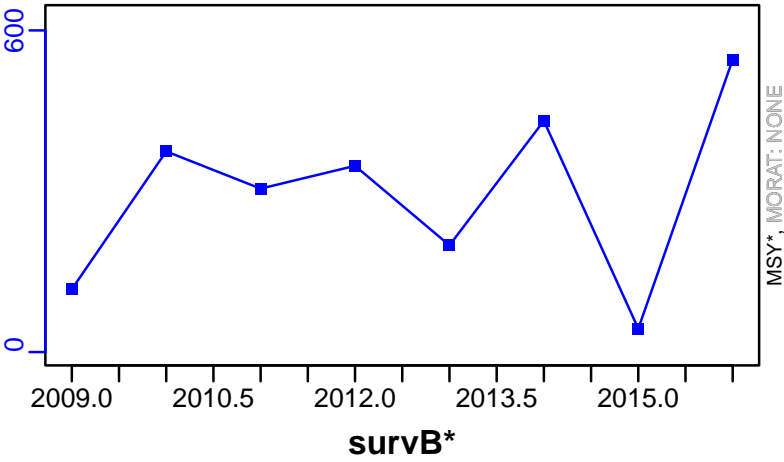
Recruits*



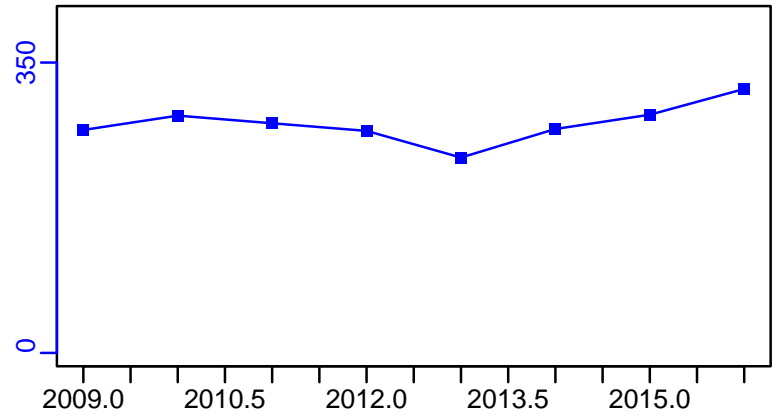
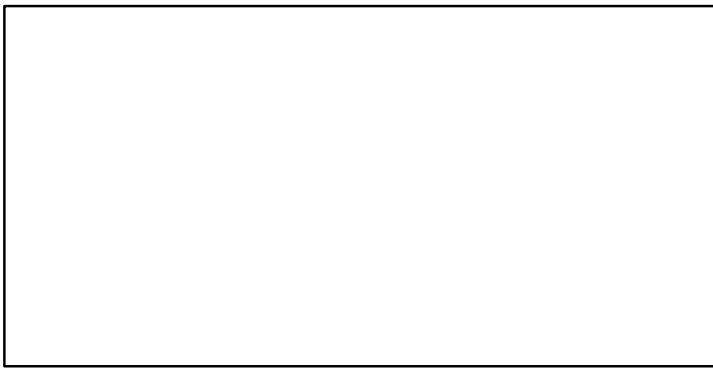
Orange-footed sea cucumber Inshore Quebec Unit 3 [OFSCIQCU3]

TL-MT, TC*, RecC* (2009-2016-ASHBROOK)

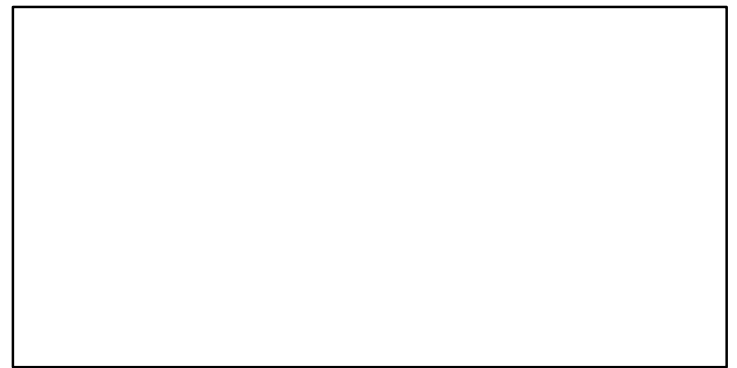
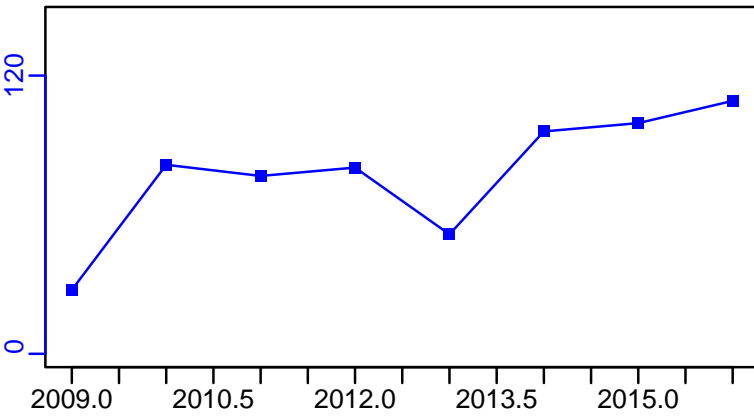
TAC*, Cpair*, Cadv*



CPUE-index (2009-2016-ASHBROOK)



EFFORT-day (2009-2016-ASHBROOK)



Orange-footed sea cucumber Inshore Quebec Unit B [OFSCIQCUB]

Metadata	
Scientific Name	Cucumaria frondosa
Current Assess ID	DFO-QUE-OFSCIQCUB-2009-2016-ASHBROOK
Area	Inshore Quebec Unit B
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Asmts in RAM	2016

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	160		
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

Orange-footed sea cucumber Inshore Quebec Unit B [OFSCIQCUB]

TB*



SSB*



TN *



F*



ER*

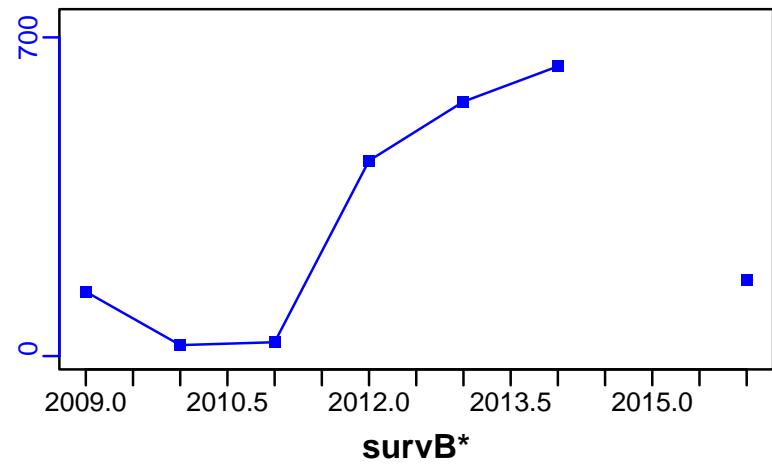


Recruits*

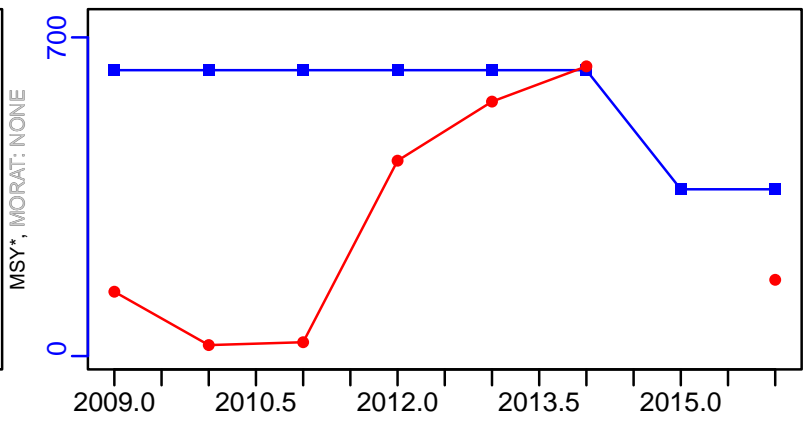


Orange-footed sea cucumber Inshore Quebec Unit B [OFSCIQCUB]

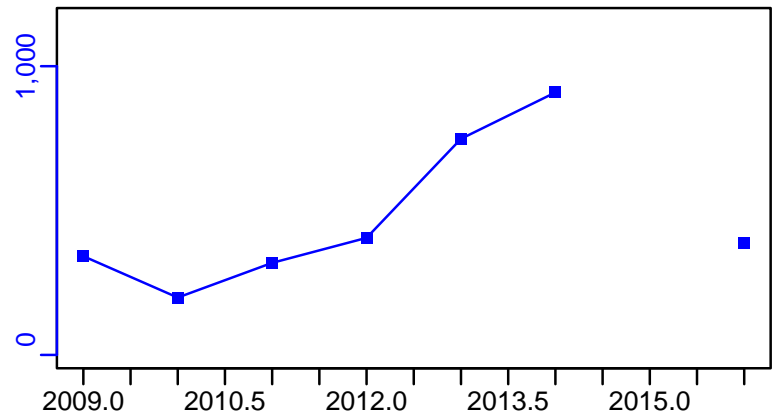
TL-MT, TC*, RecC* (2009-2016-ASHBROOK)



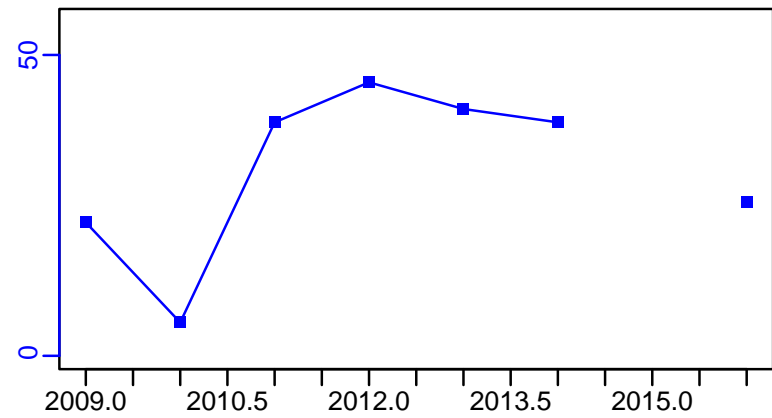
TAC-MT, Cpair-MT, Cadv* (2009-2016-ASHBROOK)



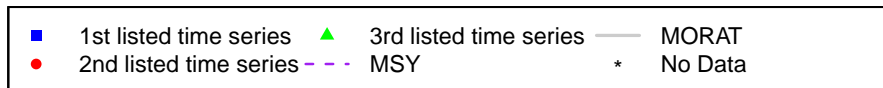
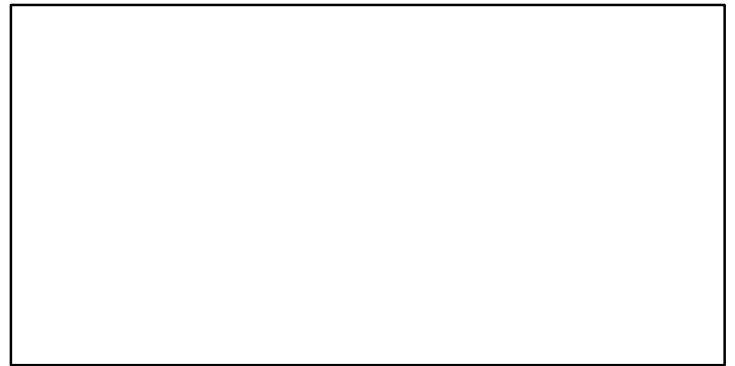
CPUE-index (2009-2016-ASHBROOK)



EFFORT-day (2009-2016-ASHBROOK)



CdivMSY*



Orange-footed sea cucumber Inshore Quebec Unit C [OFSCIQCUC]

Metadata	
Scientific Name	Cucumaria frondosa
Current Assess ID	DFO-QUE-OFSCIQCUC-2008-2016-ASHBROOK
Area	Inshore Quebec Unit C
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Asmts in RAM	2016

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	351		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

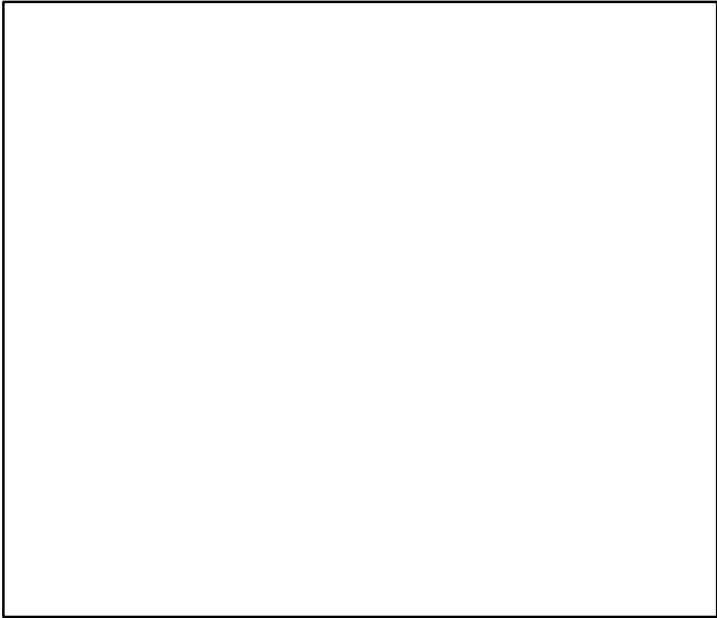
Kobe MSY*



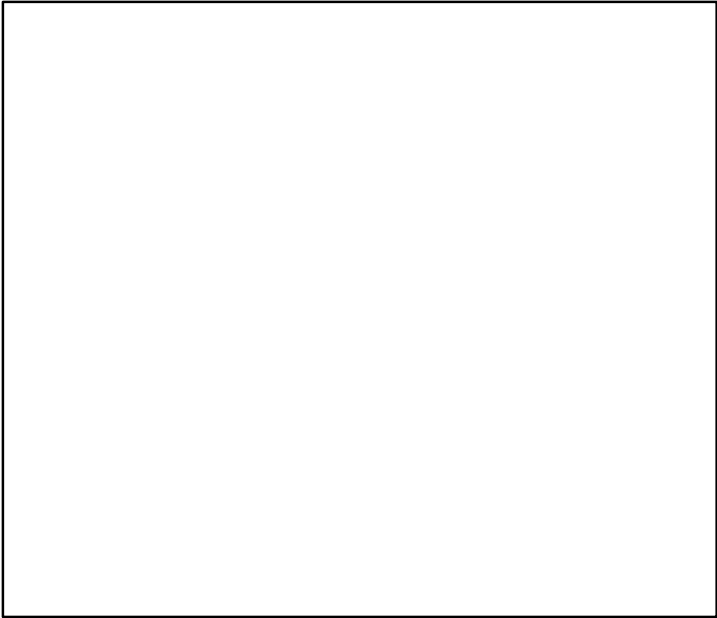
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Orange-footed sea cucumber Inshore Quebec Unit C [OFSCIQCUC]

TB*



SSB*



TN *



F*



ER*

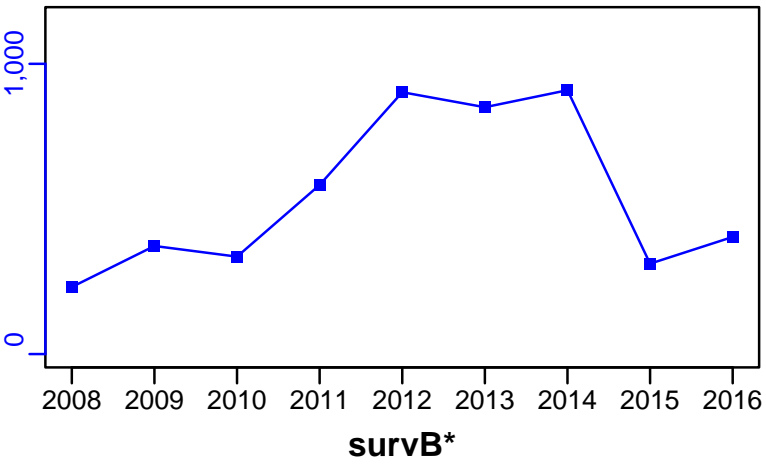


Recruits*

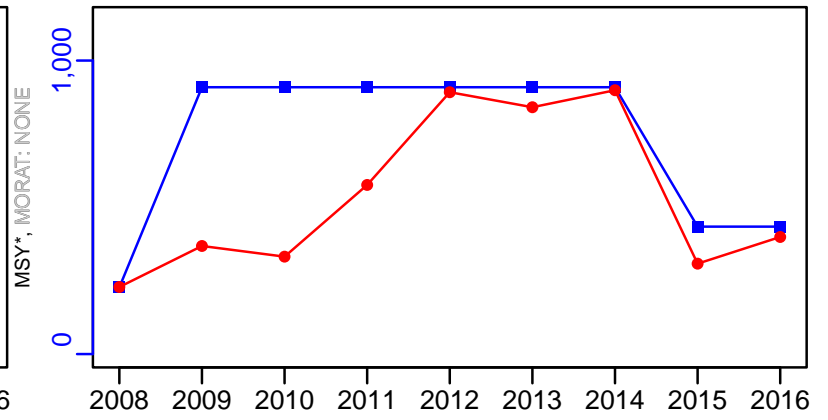


Orange-footed sea cucumber Inshore Quebec Unit C [OFSCIQCUC]

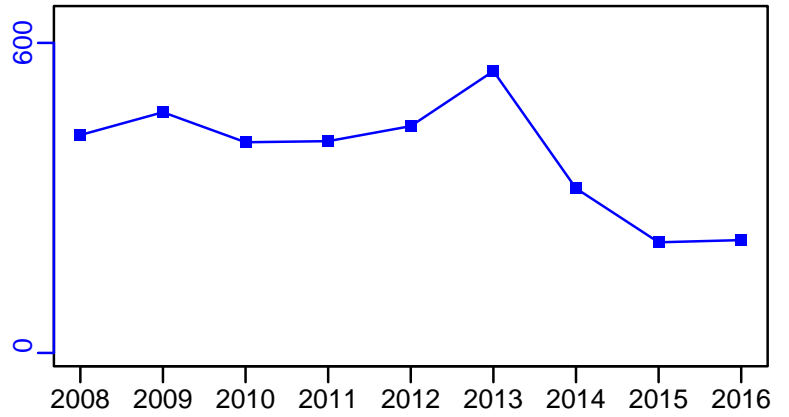
TL-MT, TC*, RecC* (2008–2016–ASHBROOK)



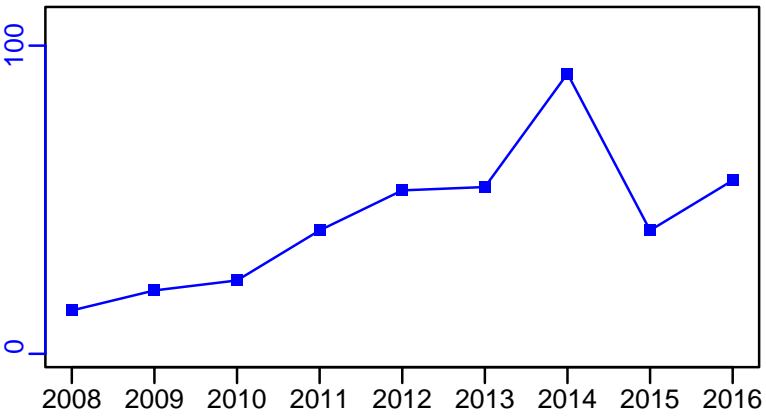
TAC-MT, Cpair-MT, Cadv* (2008–2016–ASHBROOK)



CPUE-index (2008–2016–ASHBROOK)



EFFORT-day (2008–2016–ASHBROOK)



CdivMSY*

