

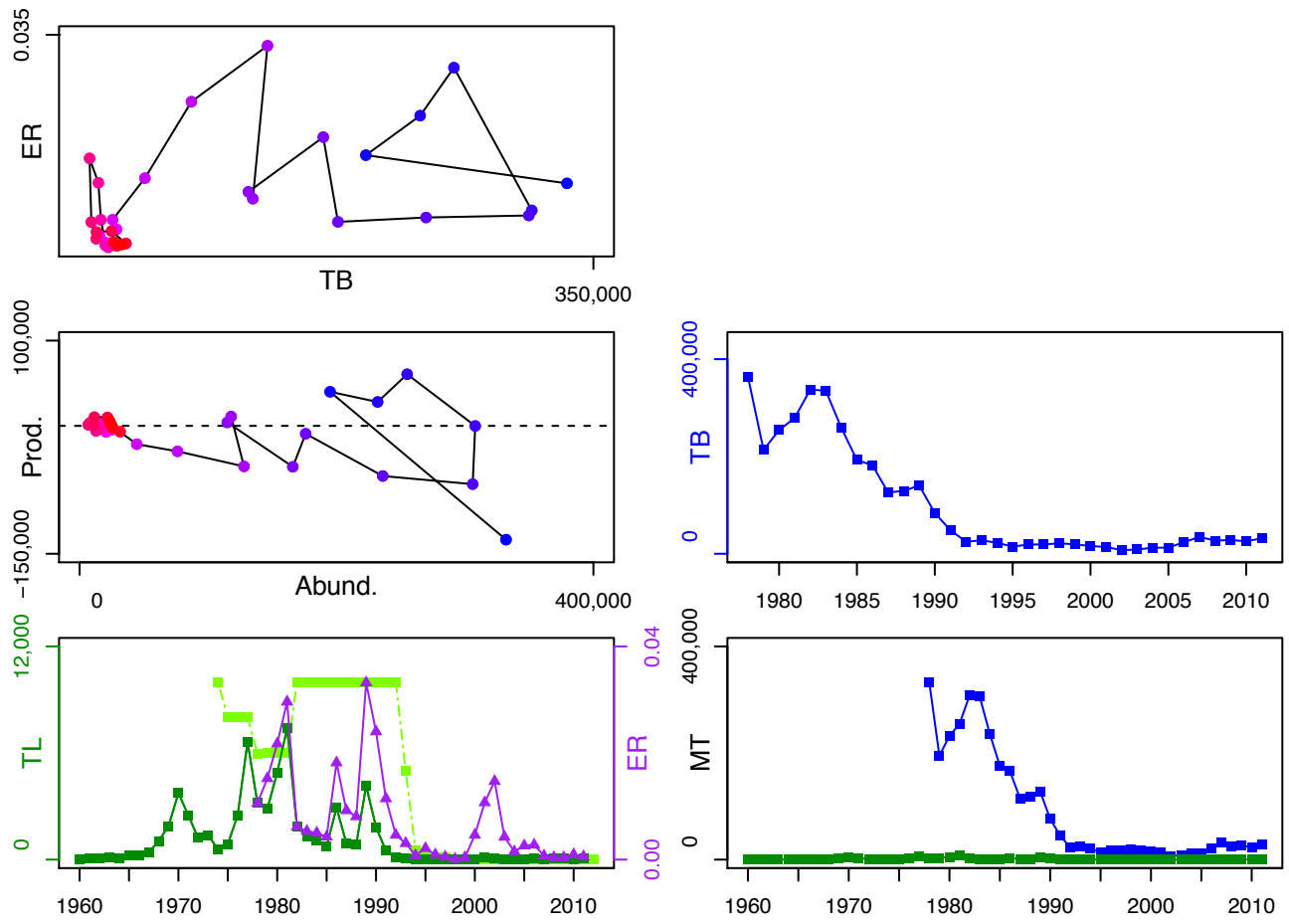
American Plaice NAFO-23K

Metadata	
Scientific Name	Hippoglossoides platessoides
Common Name	American Plaice
Stock ID	AMPL23K
Assess ID	DFO-AMPL23K-1960-2012-WATSON
Region	Canada East
Area	Labrador - NE Newfoundland
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1960-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	No.	-
Current Value	29,000	-	2.17×10^8	-
Time Series	TC	TL	F	U
Unit	MT	MT	-	Ratio
Current Value	17	65	-	0
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

American Plaice NAFO-23K



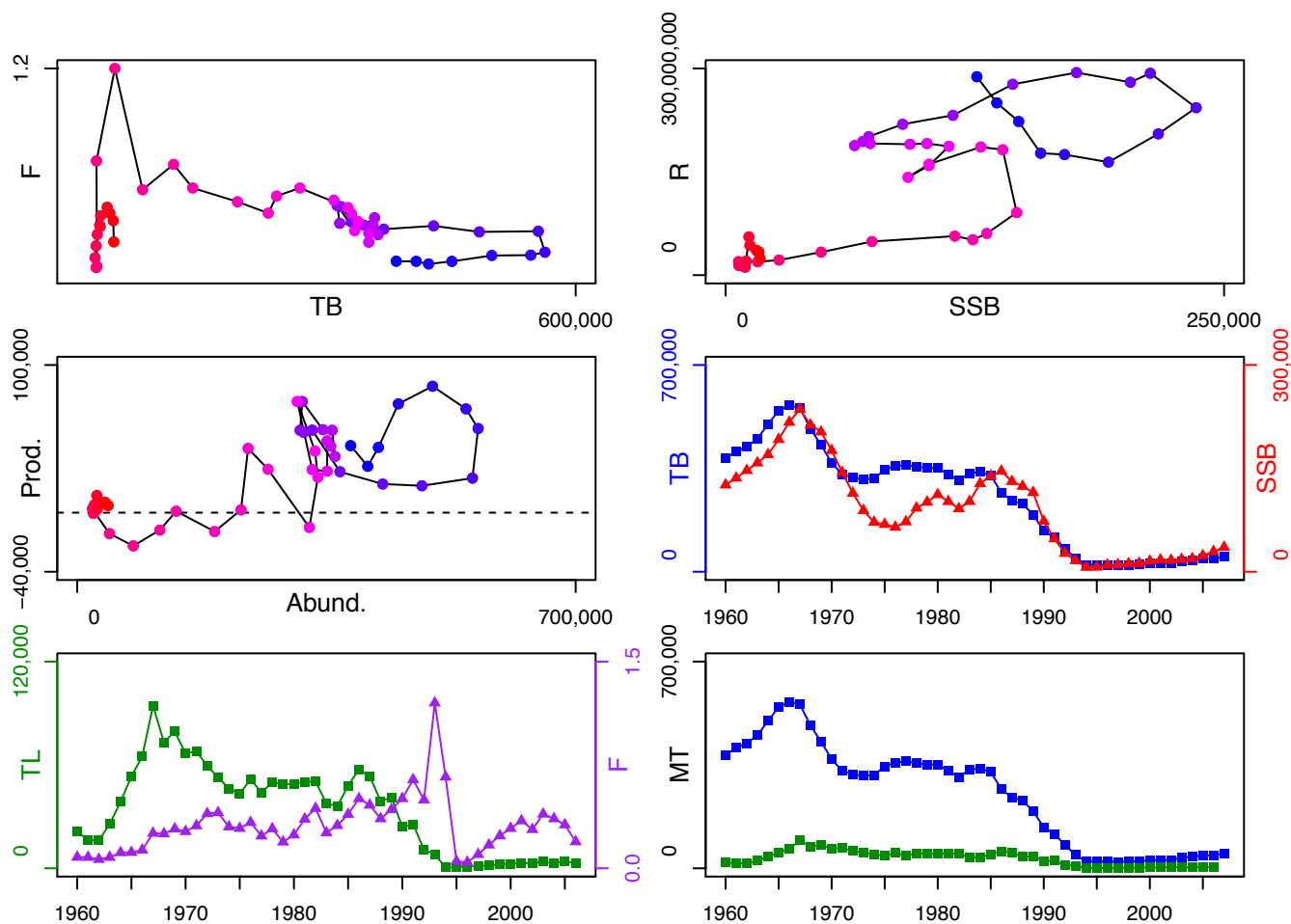
American Plaice NAFO-3LNO

Metadata	
Scientific Name	Hippoglossoides platessoides
Common Name	American Plaice
Stock ID	AMPL3LNO
Assess ID	NAFO-SC-AMPL3LNO-1955-2007-BAUM
Region	Canada East
Area	Grand Banks
Management Authority	Northwest Atlantic Fisheries Organization
Assessor	NAFO Scientific Council
Years	1955-2007

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	1/yr	
Value	-	-	-	0.2	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	-	No.
Current Value	50,500	35,500	-	33,500,000
Time Series	TC	TL	F	U
Unit	-	MT	1/yr	Ratio
Current Value	-	2830	0.19	0.06
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

American Plaice NAFO-3LNO



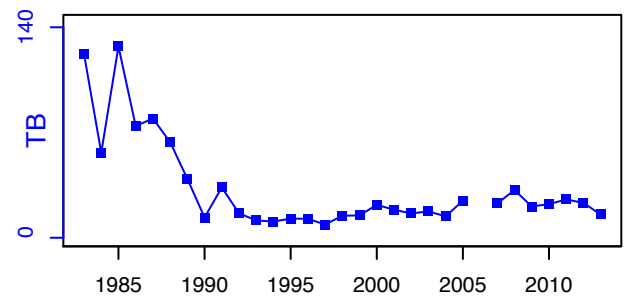
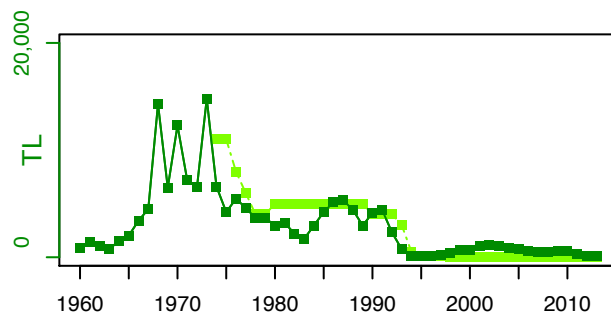
American Plaice NAFO-3Ps

Metadata	
Scientific Name	Hippoglossoides platessoides
Common Name	American Plaice
Stock ID	AMPL3Ps
Assess ID	DFO-AMPL3Ps-1960-2013-WATSON
Region	Canada East
Area	St. Pierre Bank
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1960-2013

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	Index	-	Index	-
Current Value	15	-	112	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	103	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

American Plaice NAFO-3Ps



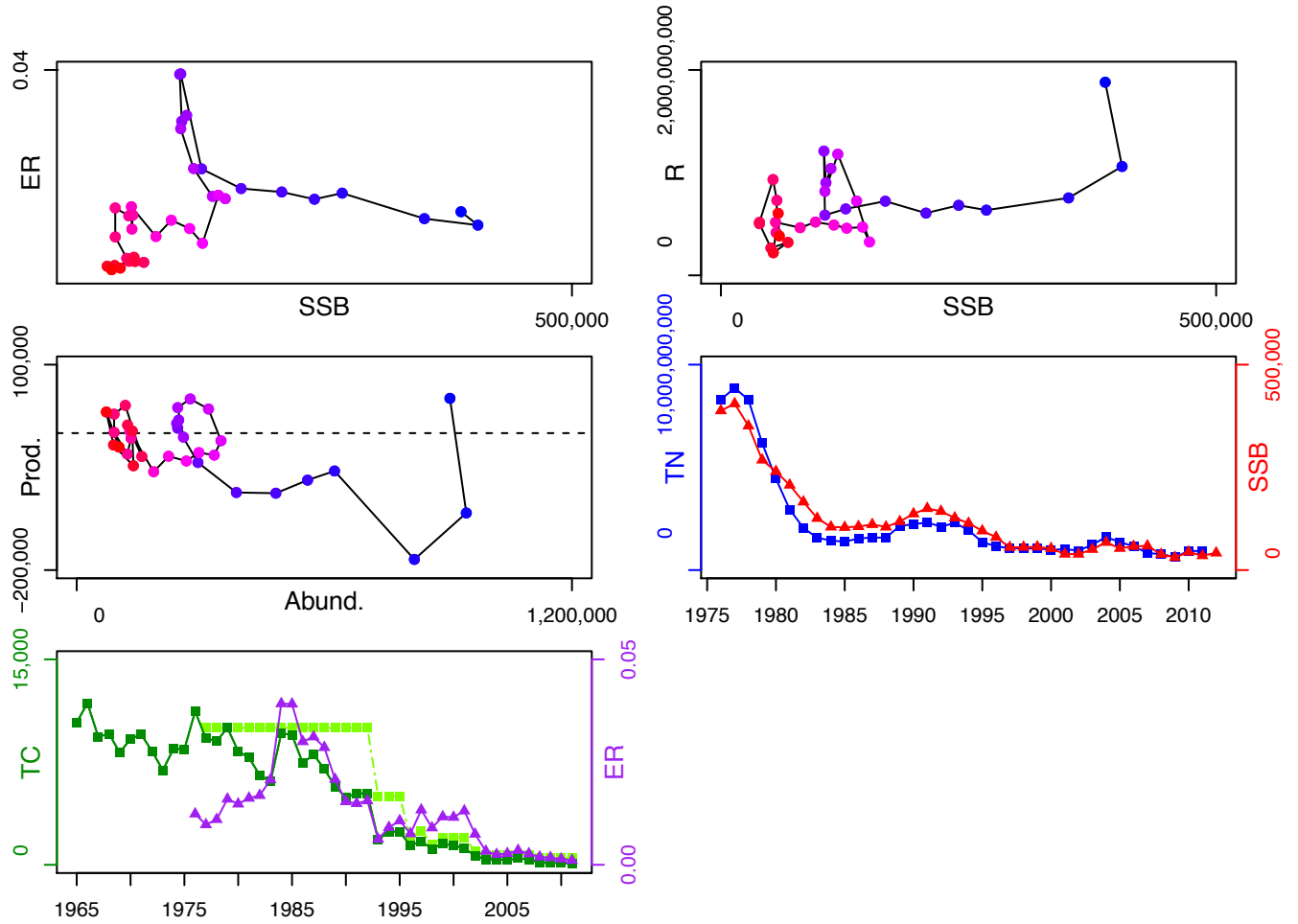
American plaice Southern Gulf of St. Lawrence

Metadata	
Scientific Name	Hippoglossoides platessoides
Common Name	American plaice
Stock ID	AMPL4T
Assess ID	DFO-AMPL4T-1965-2012-WATSON
Region	Canada East
Area	Southern Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1965-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	No.	No.
Current Value	-	41,700	9.26×10^8	3.84×10^8
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	90	-	-	0
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

American plaice Southern Gulf of St. Lawrence



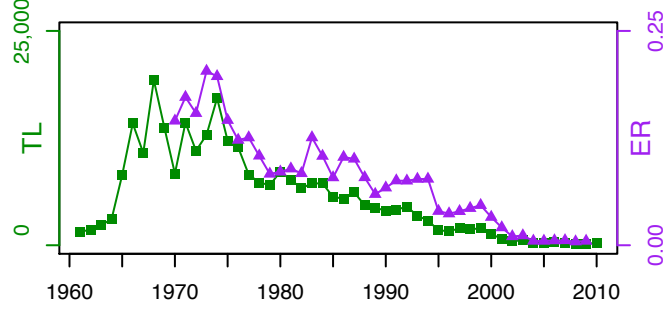
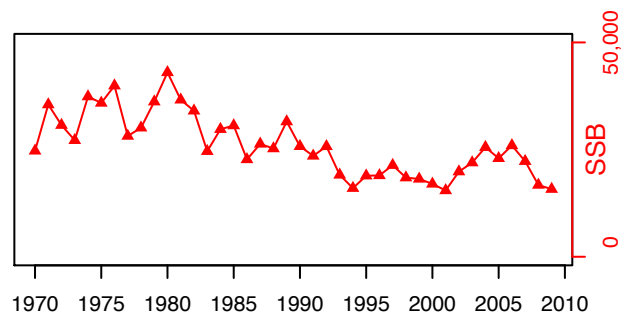
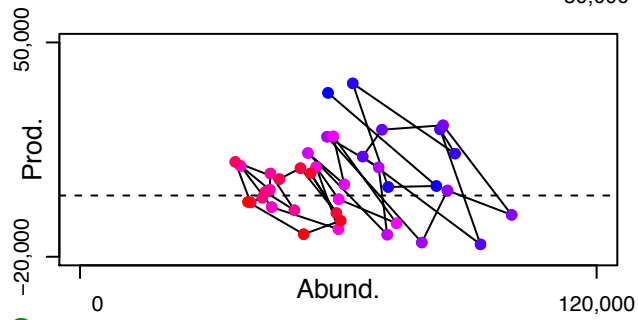
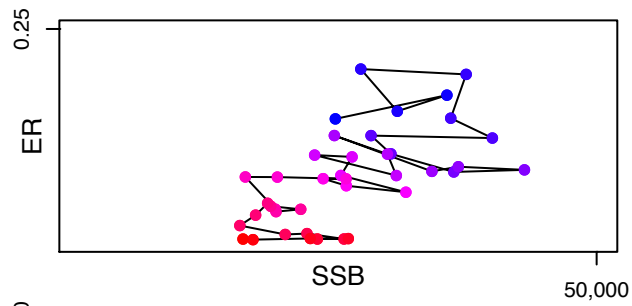
American plaice Scotian Shelf and Bay of Fundy

Metadata	
Scientific Name	Hippoglossoides platessoides
Common Name	American plaice
Stock ID	AMPL4VWX
Assess ID	DFO-AMPL4VWX-1961-2010-WATSON
Region	Canada East
Area	Scotian Shelf and Bay of Fundy
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1961-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	-	
Value	5113	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	-	-
Current Value	-	15,775	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	250	-	0
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

American plaice Scotian Shelf and Bay of Fundy



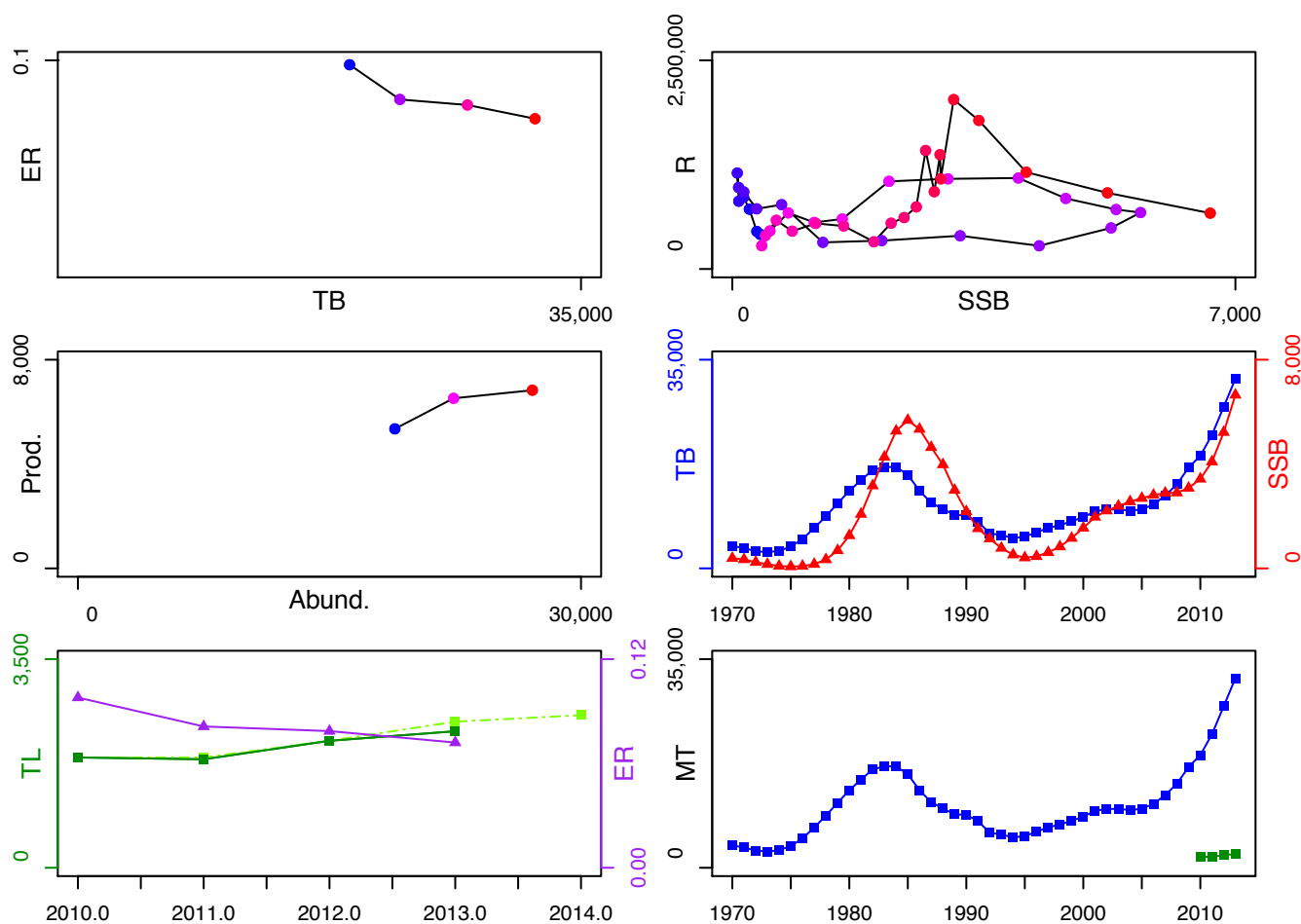
Atlantic halibut Scotian Shelf and Southern Grand Banks

Metadata	
Scientific Name	Hippoglossus hippoglossus
Common Name	Atlantic halibut
Stock ID	ATHAL3NOPs4VWX5Zc
Assess ID	DFO-ATHAL3NOPs4VWX5Zc-1970-2014-WATSON
Region	Canada East
Area	Scotian Shelf and Southern Grand Banks
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1970-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	No.	No.
Current Value	31,800	6650	3,460,000	669,000
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	2290	-	0.07
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Atlantic halibut Scotian Shelf and Southern Grand Banks



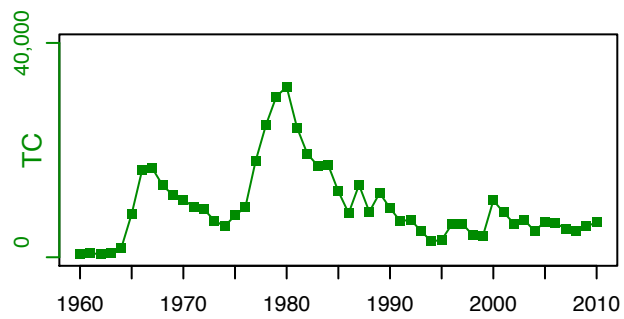
Greenland halibut NAFO 23KLMNO

Metadata	
Scientific Name	Reinhardtius hippoglossoides
Common Name	Greenland halibut
Stock ID	GHAL23KLMNO
Assess ID	NAFO-SC-GHAL23KLMNO-1960-2010-WATSON
Region	Canada East
Area	Labrador Shelf - Grand Banks
Management Authority	Northwest Atlantic Fisheries Organization
Assessor	NAFO Scientific Council
Years	1960-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	-
Current Value	6530	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Greenland halibut NAFO 23KLMNO



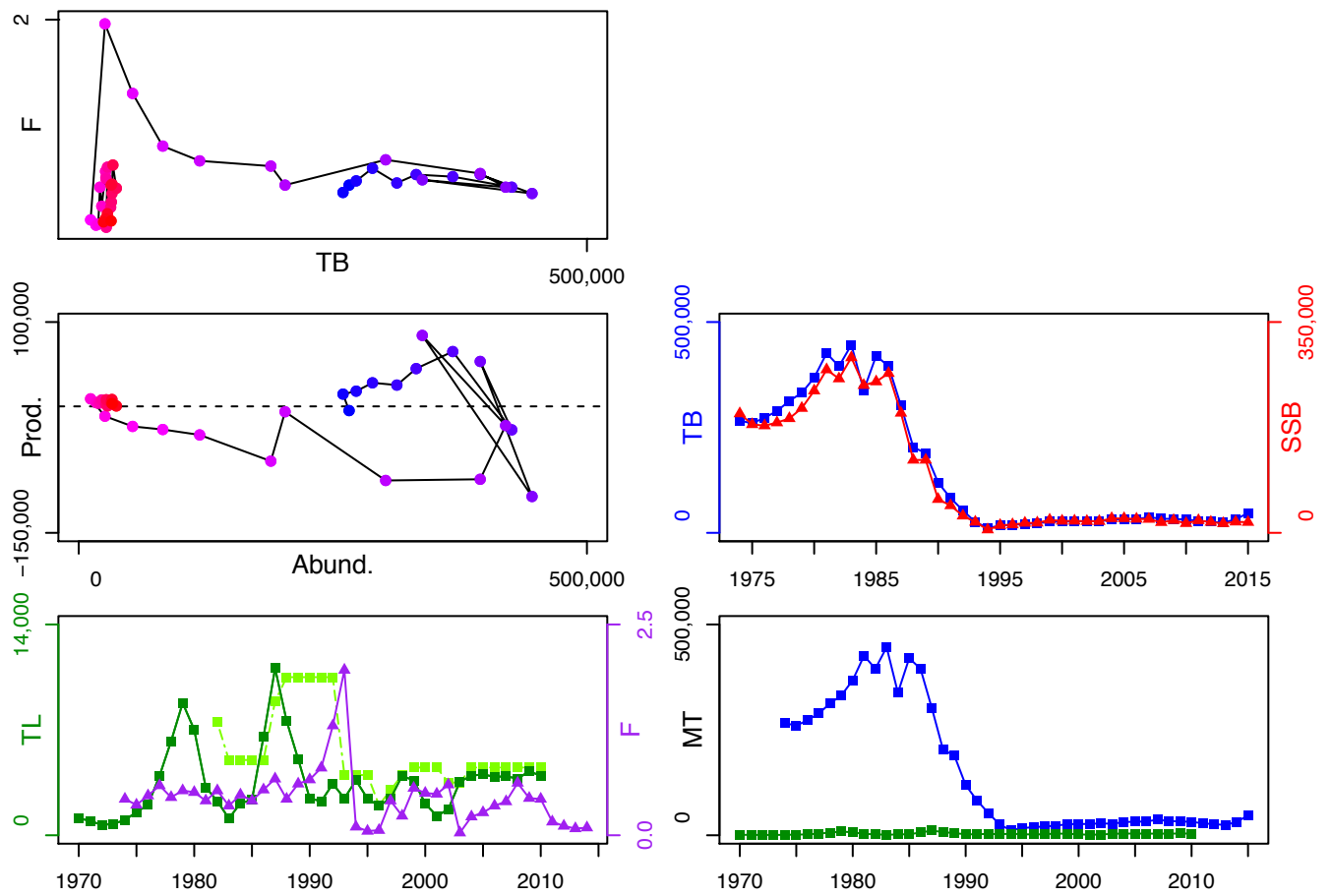
Greenland halibut NAFO 4RST

Metadata	
Scientific Name	Reinhardtius hippoglossoides
Common Name	Greenland halibut
Stock ID	GHAL4RST
Assess ID	DFO-GHAL4RST-1970-2015-WATSON
Region	Canada East
Area	Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1970-2015

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	No.	-
Current Value	47,100	17,700	1.44×10^8	-
Time Series	TC	TL	F	U
Unit	-	MT	1/yr	Ratio
Current Value	-	3950	0.09	0.07
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Greenland halibut NAFO 4RST



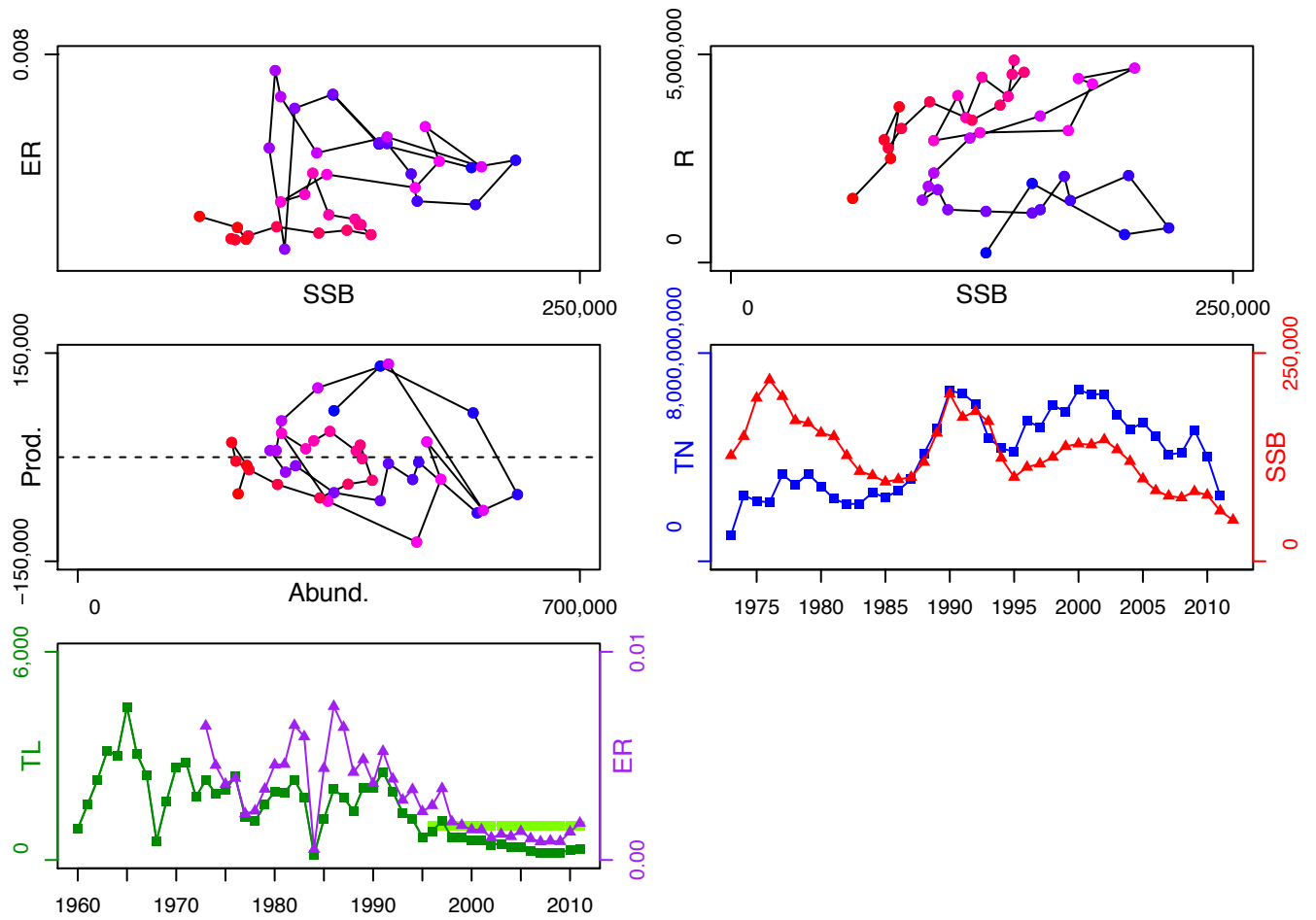
Winter flounder Southern Gulf of St. Lawrence

Metadata	
Scientific Name	Pseudopleuronectes americanus
Common Name	Winter flounder
Stock ID	WINFLOUN4T
Assess ID	DFO-SG-WINFLOUN4T-1960-2012-OSGOOD
Region	Canada East
Area	Southern Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Southern Gulf Region
Years	1960-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	1/yr	
Value	-	-	-	0.83	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	No.	No.
Current Value	-	49,500	2.52×10^9	1,540,000
Time Series	TC	TL	F	U
Unit	No.	MT	-	Ratio
Current Value	1.47×10^9	302	-	0
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Winter flounder Southern Gulf of St. Lawrence



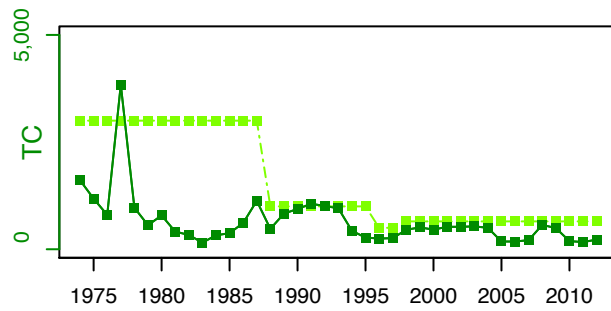
Witch flounder NAFO-3Ps

Metadata	
Scientific Name	Glyptocephalus cynoglossus
Common Name	Witch flounder
Stock ID	WITFLOUN3Ps
Assess ID	DFO-NFLD-WITFLOUN3Ps-1974-2013-OSGOOD
Region	Canada East
Area	St. Pierre Bank
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Newfoundland Region
Years	1974-2013

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	267	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Witch flounder NAFO-3Ps



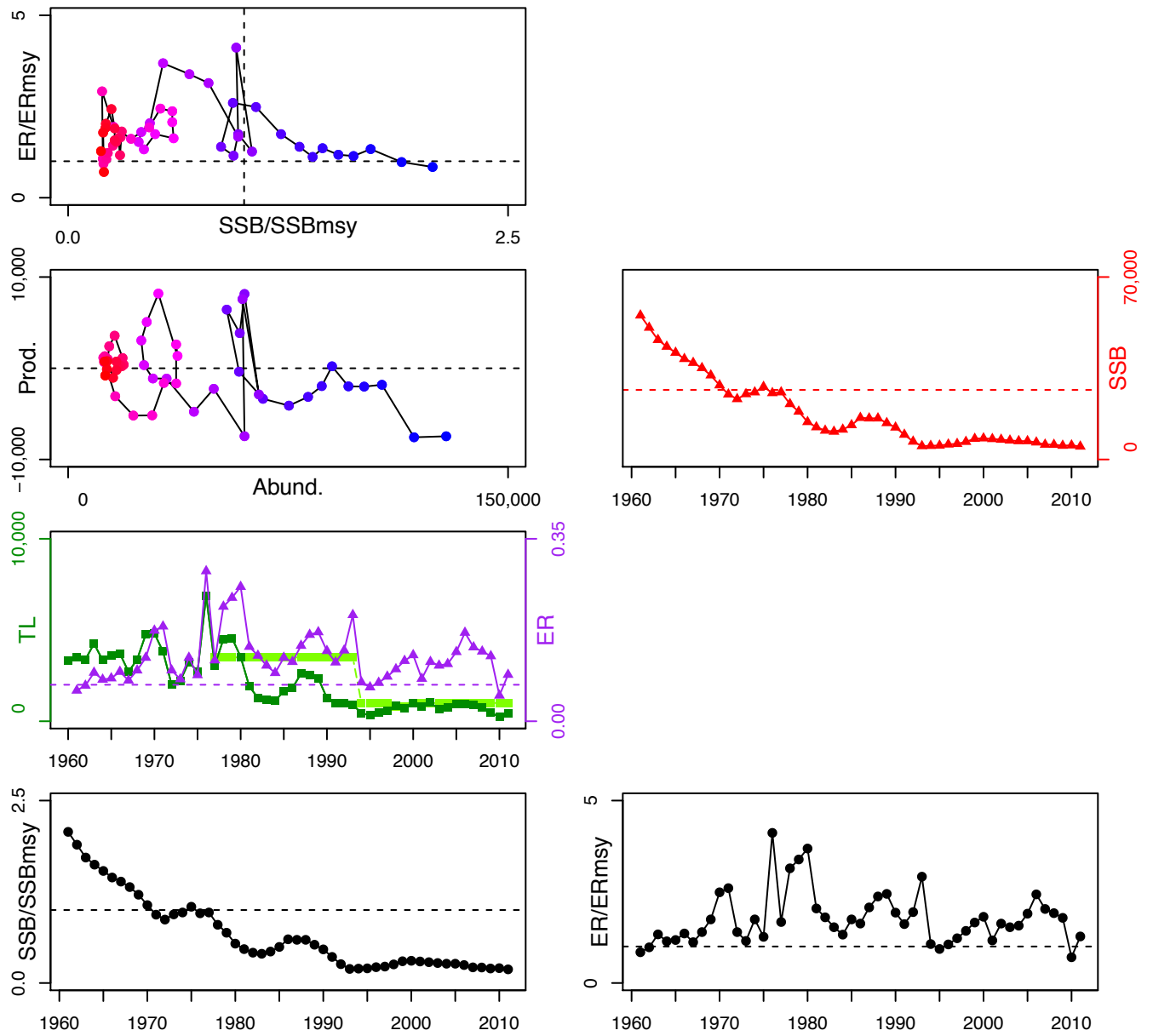
Witch flounder Gulf of St. Lawrence

Metadata	
Scientific Name	Glyptocephalus cynoglossus
Common Name	Witch flounder
Stock ID	WITFLOUN4RST
Assess ID	DFO-SG-WITFLOUN4RST-1960-2011-OSGOOD
Region	Canada East
Area	Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Southern Gulf Region
Years	1960-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	MT	-	-	-
Value	-	26,700	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	Ratio	-	
Value	1990	-	0.07	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	-	-
Current Value	-	4990	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	442	-	0.09
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	0.19	-	1.28

Witch flounder Gulf of St. Lawrence



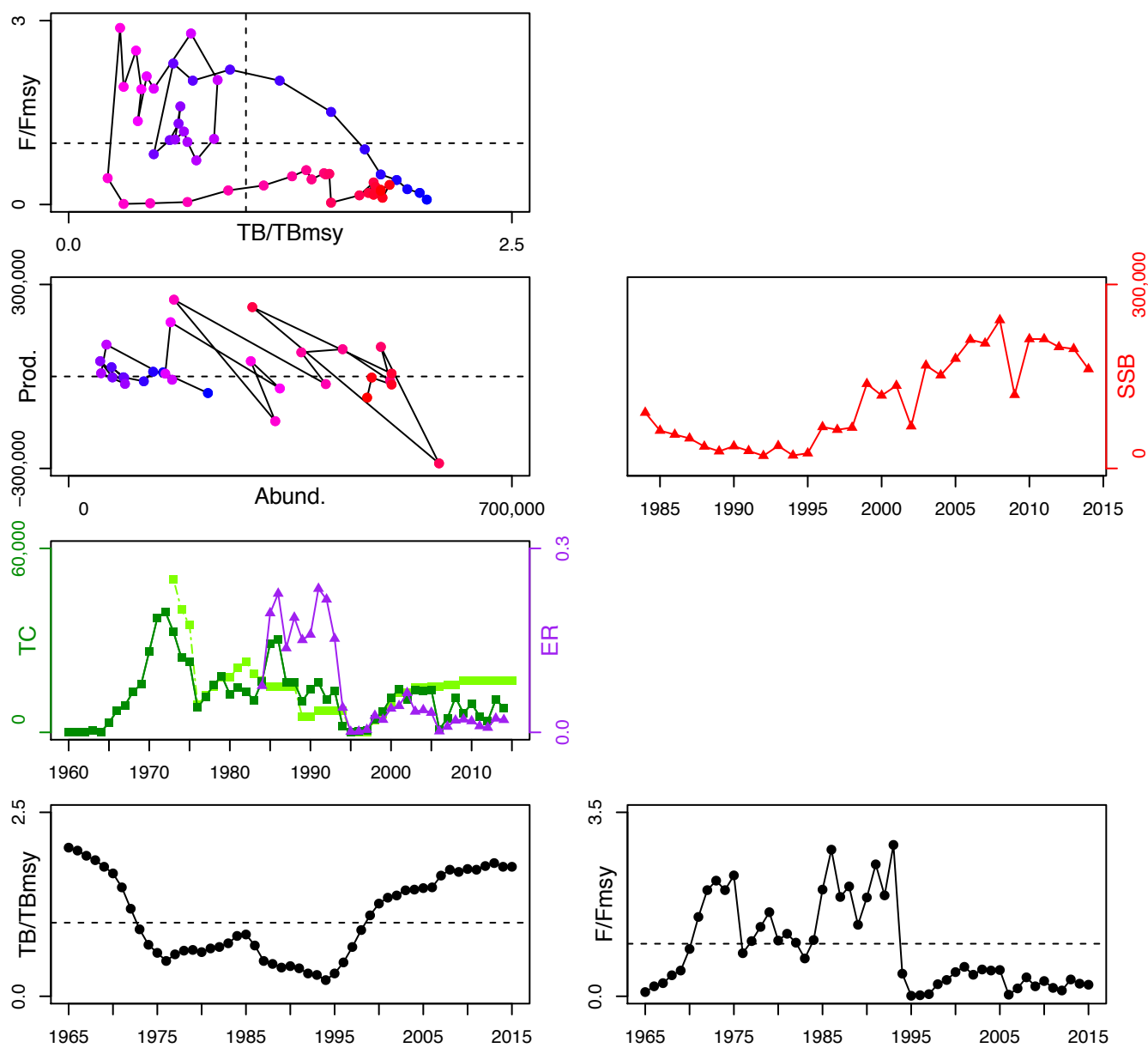
Yellowtail Flounder NAFO 3LNO

Metadata	
Scientific Name	Limanda ferruginea
Common Name	Yellowtail Flounder
Stock ID	YELL3LNO
Assess ID	NAFO-SC-YELL3LNO-1960-2015-WATSON
Region	Canada East
Area	Grand Banks
Management Authority	Northwest Atlantic Fisheries Organization
Assessor	NAFO Scientific Council
Years	1960-2015

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	-	
Value	18,730	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	-	-
Current Value	-	162,000	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	7990	-	-	0.02
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	1.76	-	0.22	-

Yellowtail Flounder NAFO 3LNO



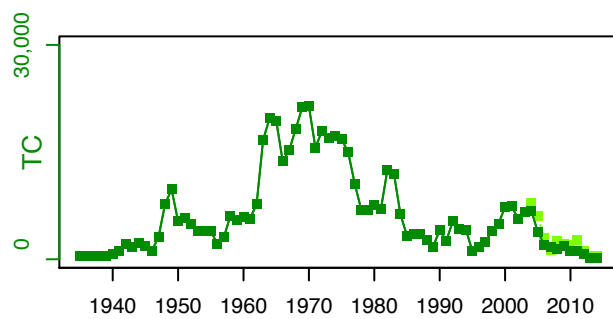
Yellowtail flounder Georges Bank

Metadata	
Scientific Name	Limanda ferruginea
Common Name	Yellowtail flounder
Stock ID	YELLGB
Assess ID	TRAC-YELLGB-1935-2015-WATSON
Region	Canada East
Area	Georges Bank
Management Authority	Transboundary Resource Assessment Committee (USA and Canada)
Assessor	Transboundary Resource Assessment Committee (USA and Canada)
Years	1935-2015

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	MT	-	-
Current Value	159	71	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Yellowtail flounder Georges Bank



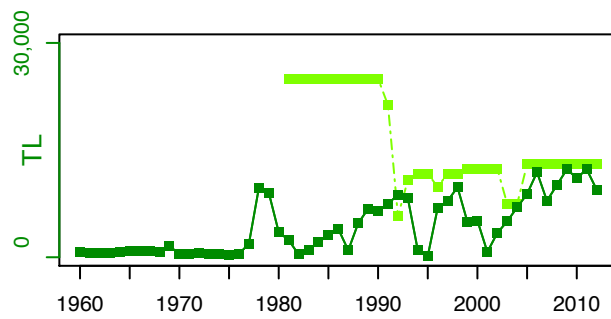
Capelin Gulf of St. Lawrence

Metadata	
Scientific Name	Mallotus villosus
Common Name	Capelin
Stock ID	CAPE4RST
Assess ID	DFO-CAPE4RST-1960-2012-WATSON
Region	Canada East
Area	Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1960-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	9470	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Capelin Gulf of St. Lawrence



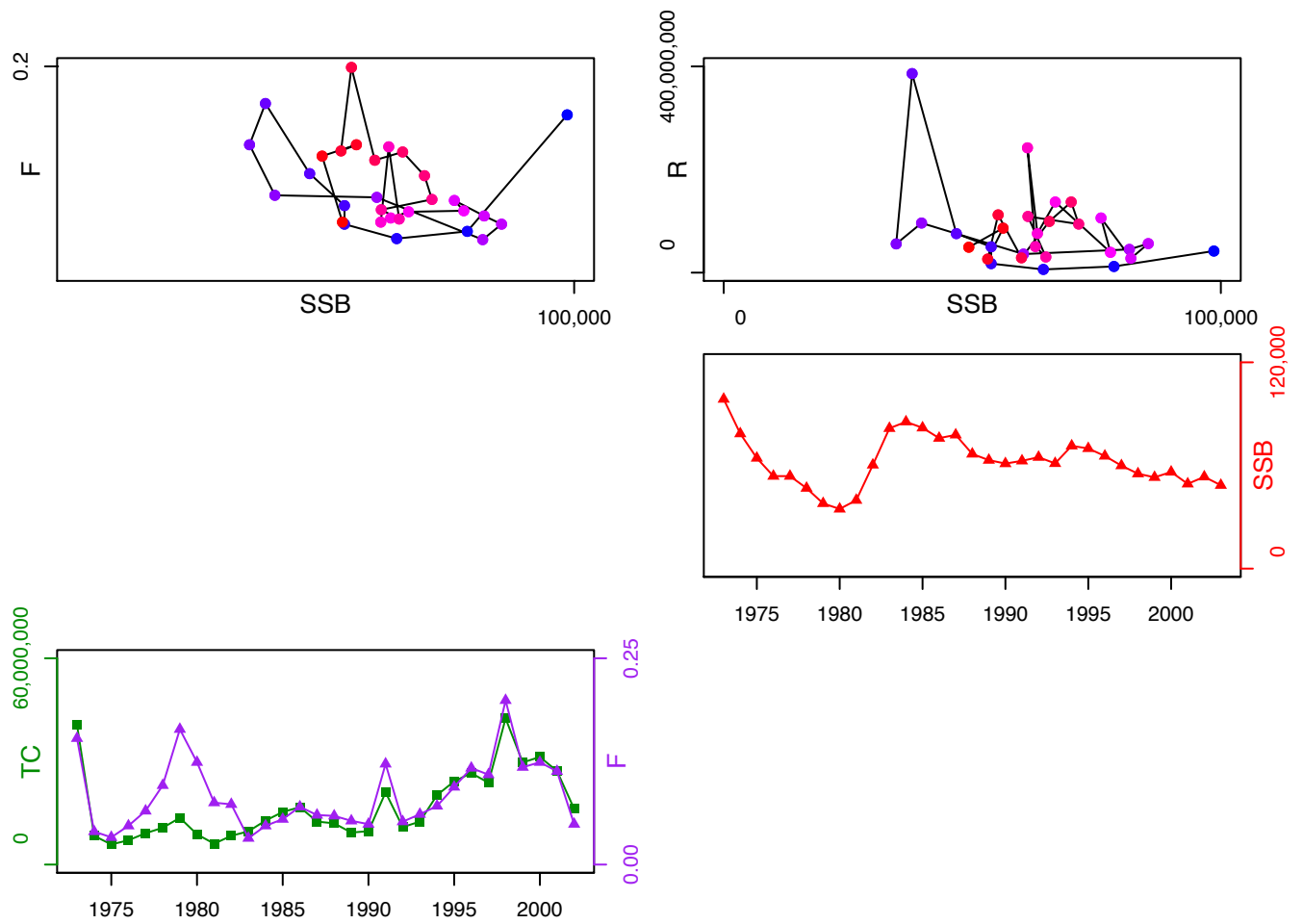
Herring NAFO 4R fall spawners

Metadata	
Scientific Name	Clupea harengus
Common Name	Herring
Stock ID	HERR4RFA
Assess ID	DFO-QUE-HERR4RFA-1971-2003-PREFONTAINE
Region	Canada East
Area	NAFO division 4R
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Years	1971-2003

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	1/yr	
Value	-	-	-	0.2	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	-	No.
Current Value	-	48,500	-	49,300,000
Time Series	TC	TL	F	U
Unit	No.	-	1/yr	-
Current Value	16,200,000	-	0.05	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Herring NAFO 4R fall spawners



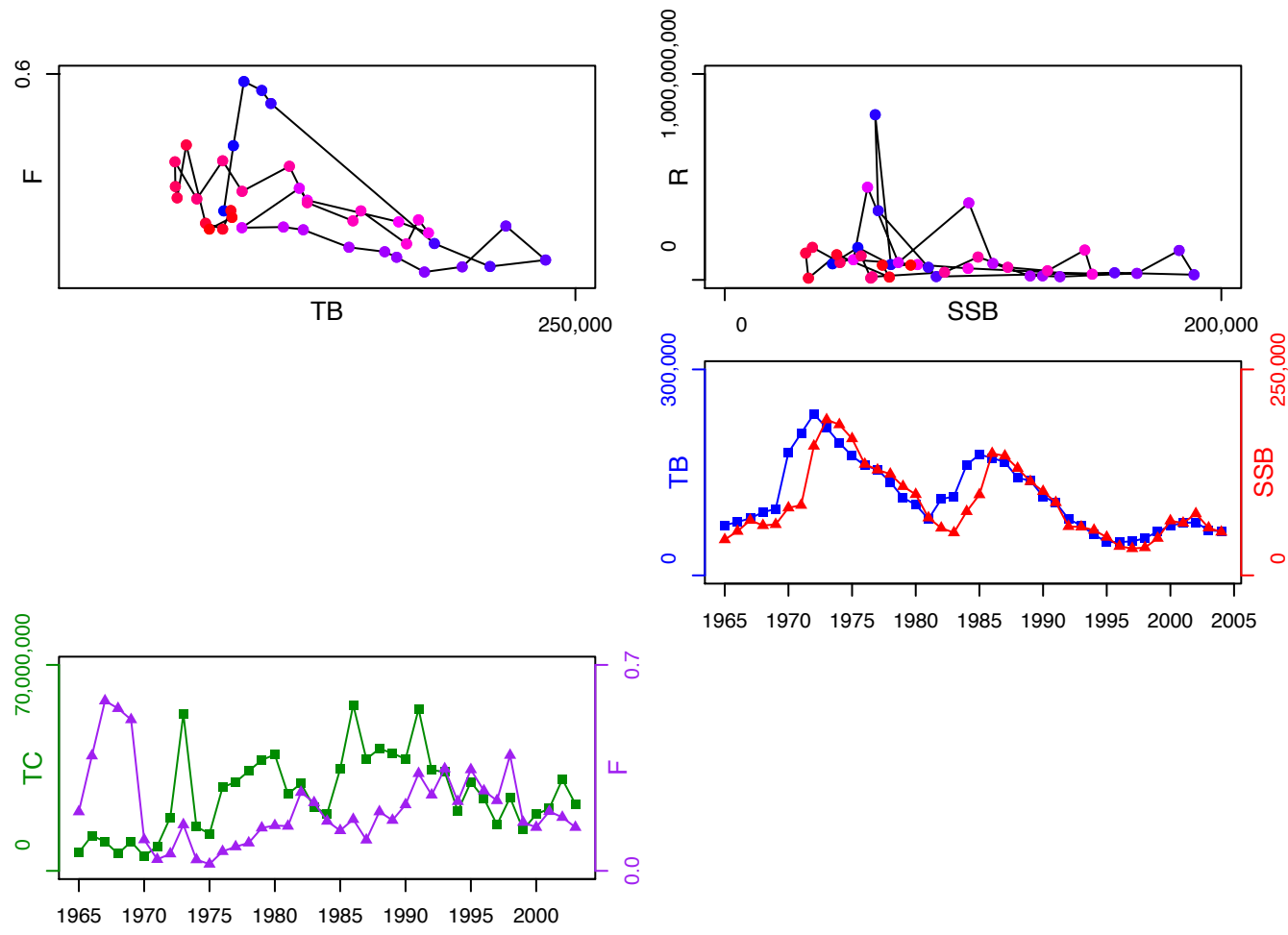
Herring NAFO 4R spring spawners

Metadata	
Scientific Name	Clupea harengus
Common Name	Herring
Stock ID	HERR4RSP
Assess ID	DFO-QUE-HERR4RSP-1963-2004-PREFONTAINE
Region	Canada East
Area	NAFO division 4R
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Years	1963-2004

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	1/yr	
Value	-	-	-	0.2	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	-	No.
Current Value	64,300	52,600	-	71,800,000
Time Series	TC	TL	F	U
Unit	No.	-	1/yr	-
Current Value	22,700,000	-	0.15	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Herring NAFO 4R spring spawners



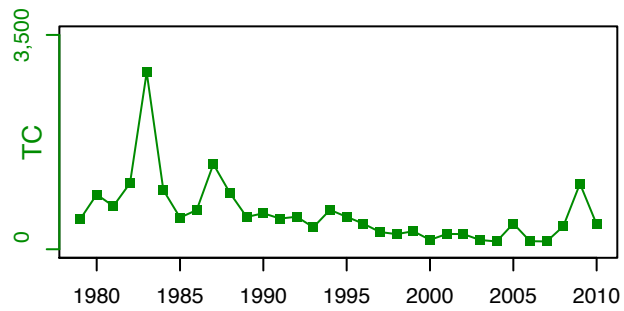
Herring Quebec North Shore

Metadata	
Scientific Name	Clupea harengus
Common Name	Herring
Stock ID	HERR4S
Assess ID	DFO-QUE-HERR4S-1979-2010-CHING
Region	Canada East
Area	Quebec North Shore
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Years	1979-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	-
Current Value	407	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Herring Quebec North Shore



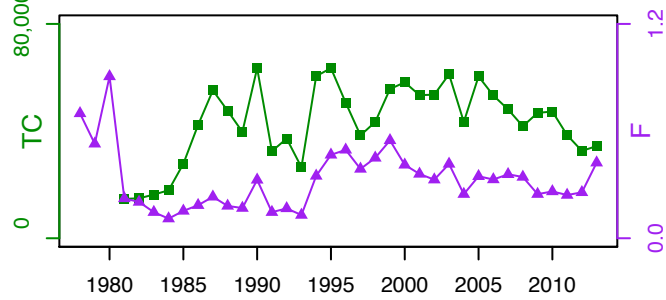
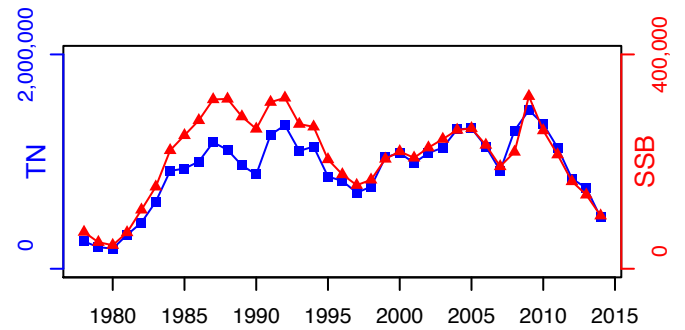
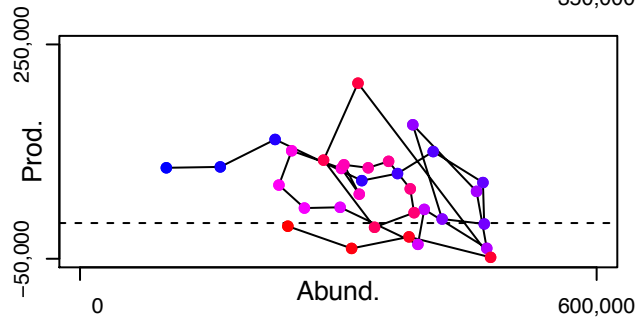
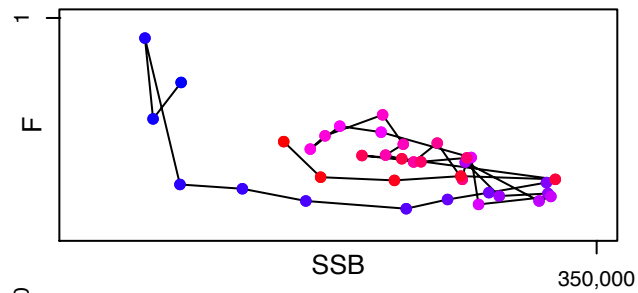
Herring NAFO 4T fall spawners

Metadata	
Scientific Name	Clupea harengus
Common Name	Herring
Stock ID	HERR4TFA
Assess ID	DFO-HERR4TFA-1978-2014-WATSON
Region	Canada East
Area	Southern Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1978-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	1/yr	
Value	-	-	-	0.2	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	No.	-
Current Value	-	99,000	479,000	-
Time Series	TC	TL	F	U
Unit	MT	-	1/yr	Ratio
Current Value	34,400	-	0.42	0.17
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Herring NAFO 4T fall spawners



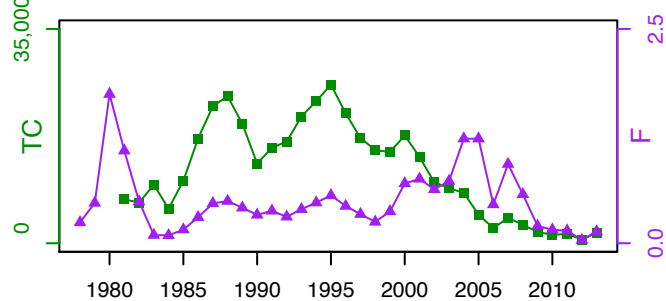
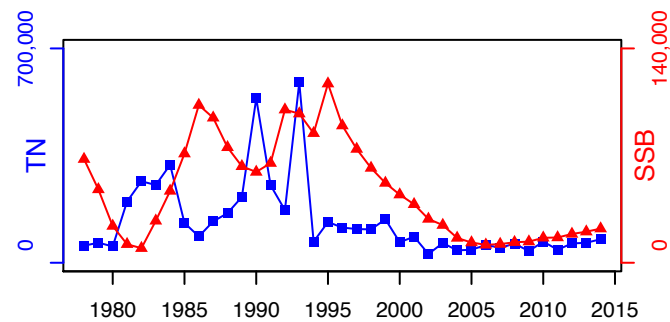
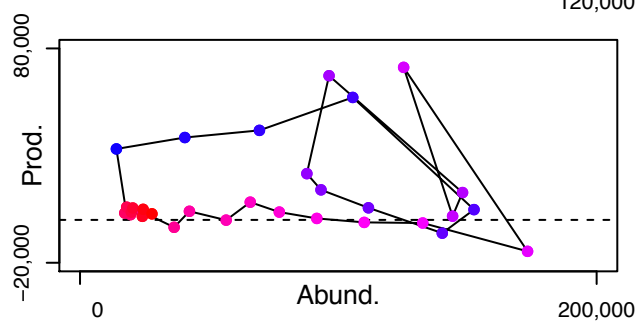
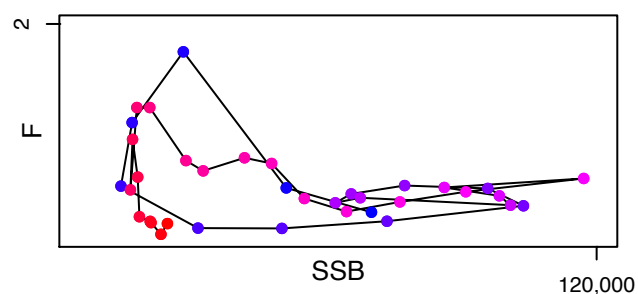
Herring NAFO 4T spring spawners

Metadata	
Scientific Name	Clupea harengus
Common Name	Herring
Stock ID	HERR4TSP
Assess ID	DFO-HERR4TSP-1978-2014-WATSON
Region	Canada East
Area	Southern Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1978-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	1/yr	
Value	-	-	-	0.2	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	No.	-
Current Value	-	22,300	76,800	-
Time Series	TC	TL	F	U
Unit	MT	-	1/yr	Ratio
Current Value	1700	-	0.14	0.06
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Herring NAFO 4T spring spawners



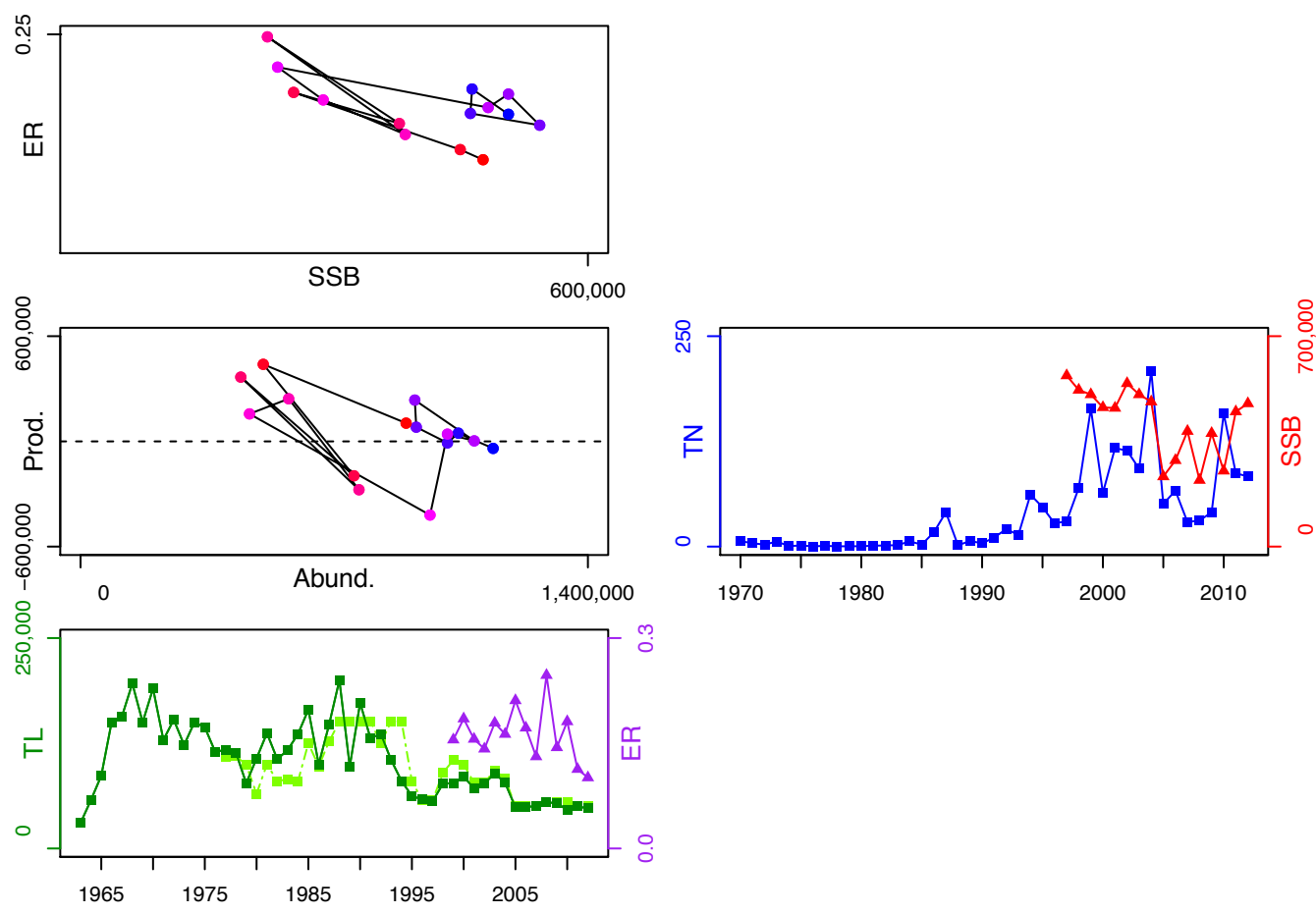
Herring Scotian Shelf and Bay of Fundy

Metadata	
Scientific Name	Clupea harengus
Common Name	Herring
Stock ID	HERR4VWX
Assess ID	DFO-HERR4VWX-1963-2012-WATSON
Region	Canada East
Area	Scotian Shelf and Bay of Fundy
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1963-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	Index	-
Current Value	-	476,000	83	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	47,600	-	0.1
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Herring Scotian Shelf and Bay of Fundy



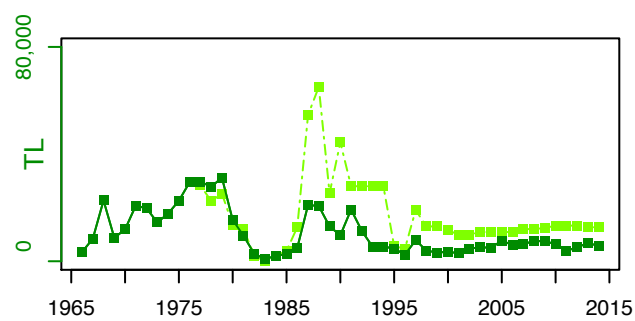
Herring Newfoundland East and South Coast

Metadata	
Scientific Name	Clupea harengus
Common Name	Herring
Stock ID	HERRNFLDESC
Assess ID	DFO-HERRNFLDESC-1966-2014-WATSON
Region	Canada East
Area	Newfoundland East and South Coast
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1966-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	5770	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Herring Newfoundland East and South Coast



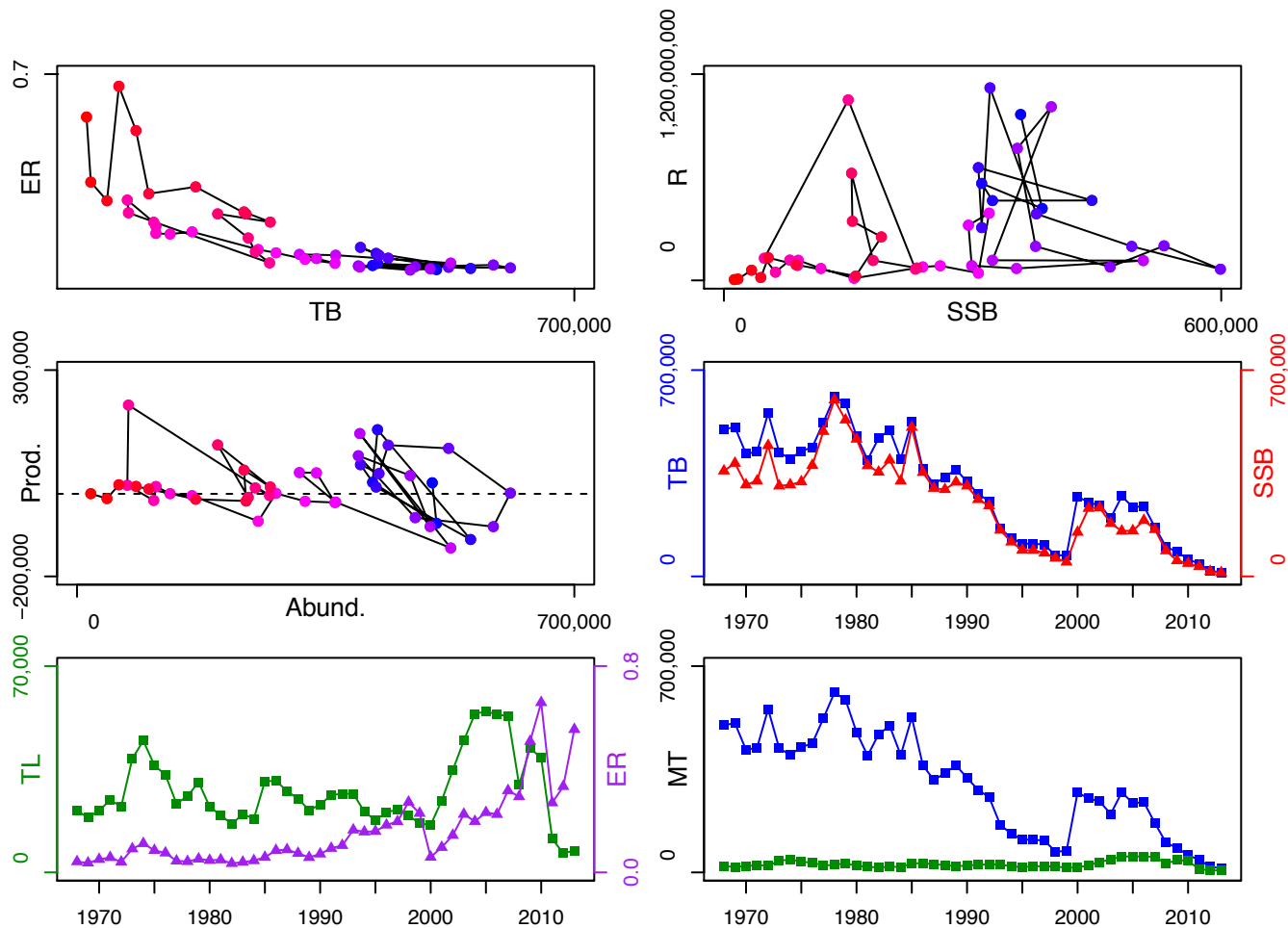
Mackerel Northwest Atlantic (NAFO Subareas 3 and 4)

Metadata	
Scientific Name	Scomber scombrus
Common Name	Mackerel
Stock ID	MACKNWATLSA3-4
Assess ID	DFO-MACKNWATLSA3-4-1968-2014-WATSON
Region	Canada East
Area	Northwest Atlantic (NAFO Subareas 3 and 4)
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1968-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	-	No.
Current Value	13,400	12,500	-	77,100,000
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	7430	-	0.55
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Mackerel Northwest Atlantic (NAFO Subareas 3 and 4)



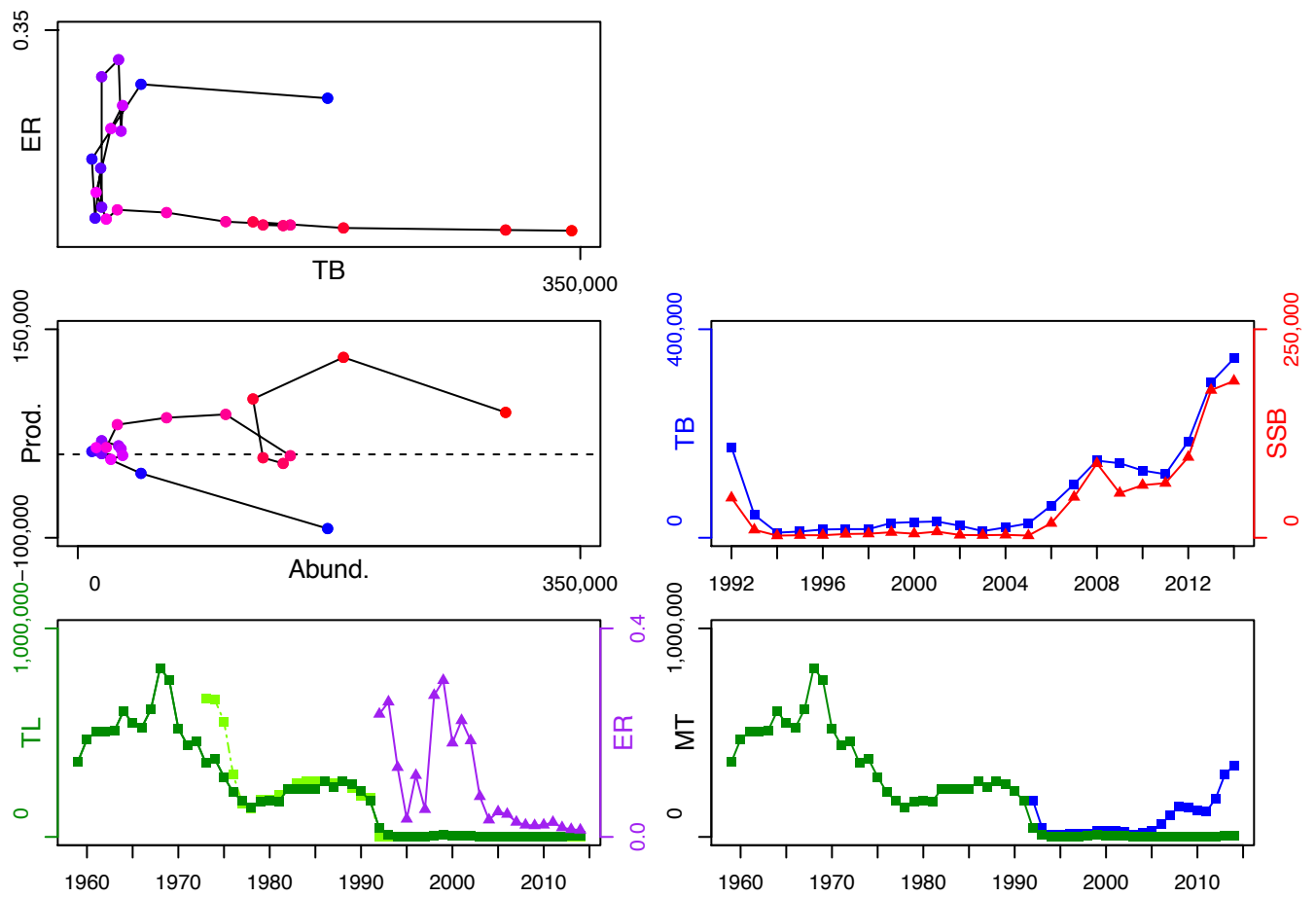
Atlantic cod NAFO 2J3KL

Metadata	
Scientific Name	Gadus morhua
Common Name	Atlantic cod
Stock ID	COD2J3KL
Assess ID	DFO-COD2J3KL-1959-2014-WATSON
Region	Canada East
Area	Southern Labrador-Eastern Newfoundland
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1959-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	No.	-
Current Value	344,000	188,000	4.63×10^8	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	4580	-	0.01
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Atlantic cod NAFO 2J3KL



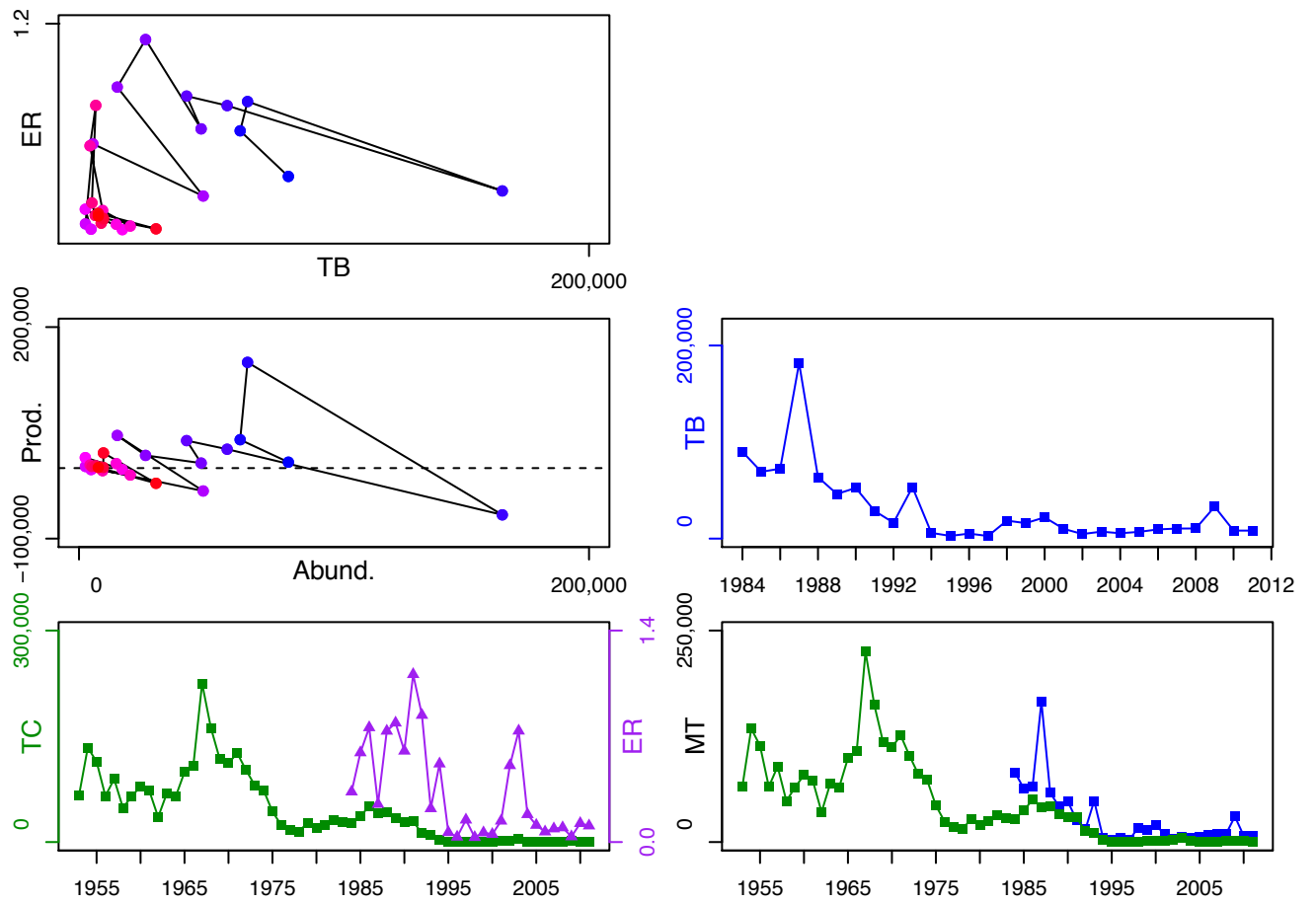
Atlantic cod NAFO 3NO

Metadata	
Scientific Name	Gadus morhua
Common Name	Atlantic cod
Stock ID	COD3NO
Assess ID	NAFO-SC-COD3NO-1953-2011-CHING
Region	Canada East
Area	Southern Grand Banks
Management Authority	Northwest Atlantic Fisheries Organization
Assessor	NAFO Scientific Council
Years	1953-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	7570	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	819	-	-	0.11
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Atlantic cod NAFO 3NO



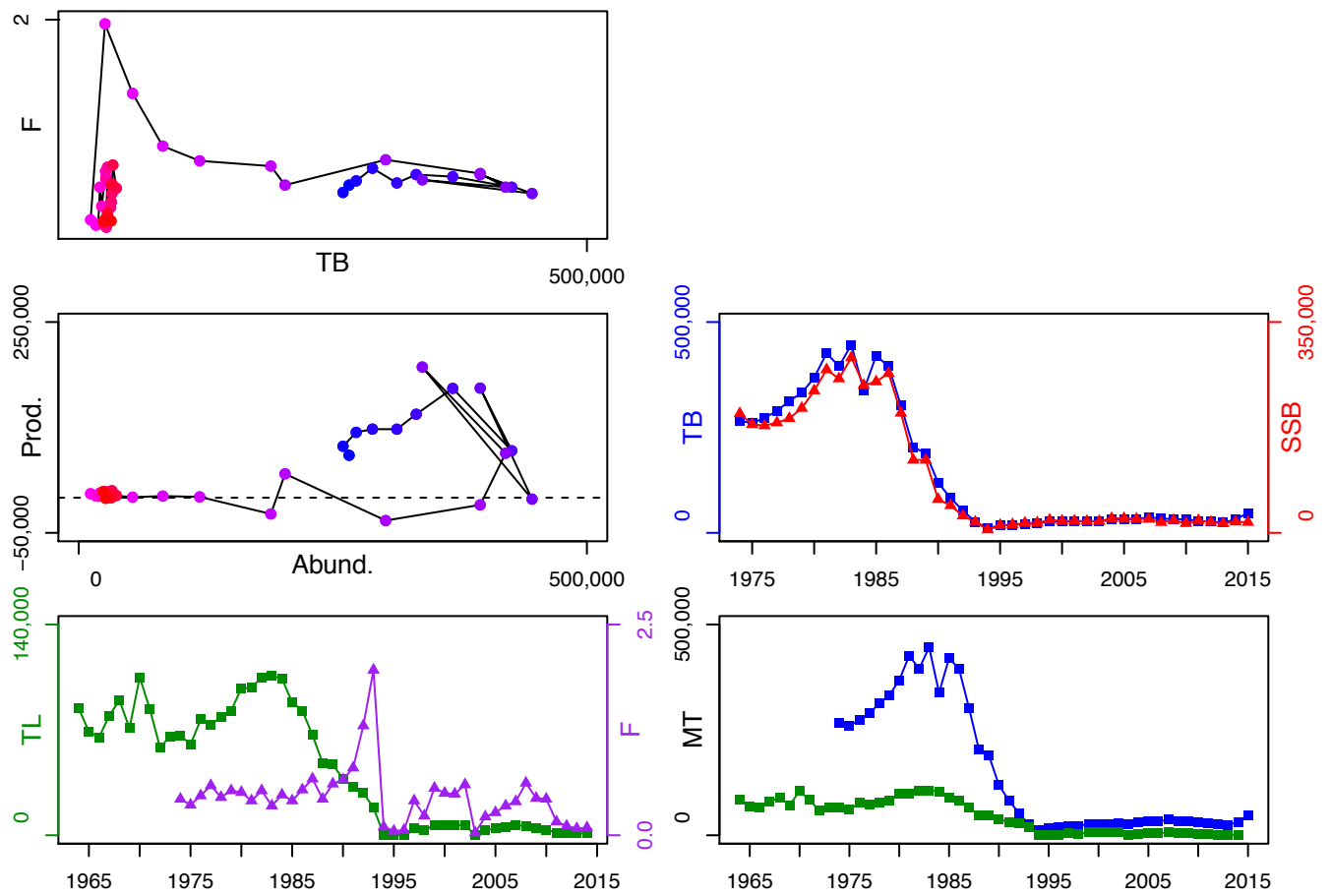
Atlantic cod NAFO 3Pn4RS

Metadata	
Scientific Name	Gadus morhua
Common Name	Atlantic cod
Stock ID	COD3Pn4RS
Assess ID	DFO-COD3Pn4RS-1964-2015-WATSON
Region	Canada East
Area	Northern Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1964-2015

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	No.	-
Current Value	47,100	17,700	1.44×10^8	-
Time Series	TC	TL	F	U
Unit	-	MT	1/yr	Ratio
Current Value	-	1240	0.09	0.07
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Atlantic cod NAFO 3Pn4RS



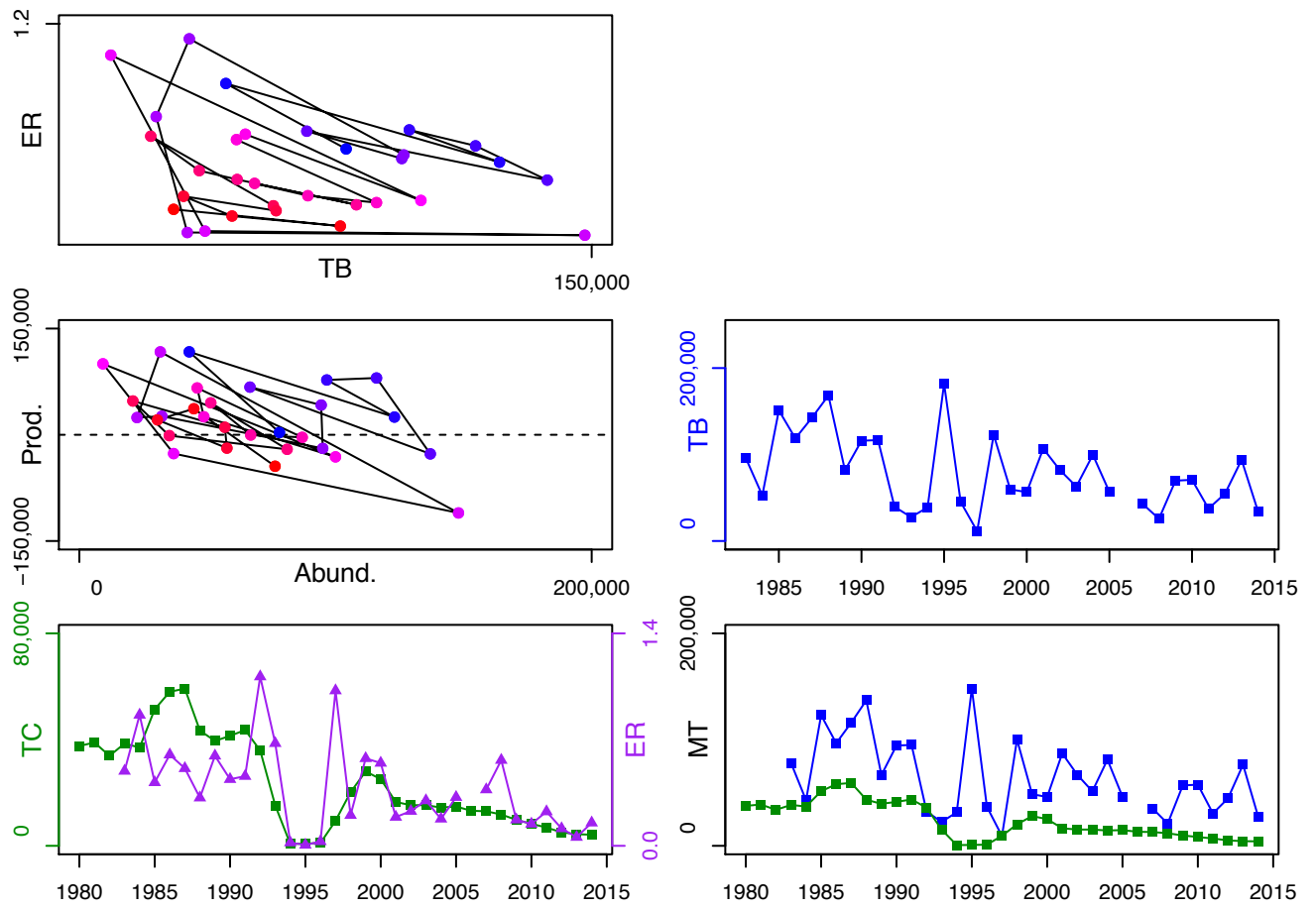
Atlantic cod NAFO 3Ps

Metadata	
Scientific Name	Gadus morhua
Common Name	Atlantic cod
Stock ID	COD3Ps
Assess ID	DFO-COD3Ps-1980-2014-WATSON
Region	Canada East
Area	St. Pierre Bank
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1980-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	No.	-
Current Value	27,600	-	58,100,000	-
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	4190	-	-	0.15
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	1.6	-	-

Atlantic cod NAFO 3Ps



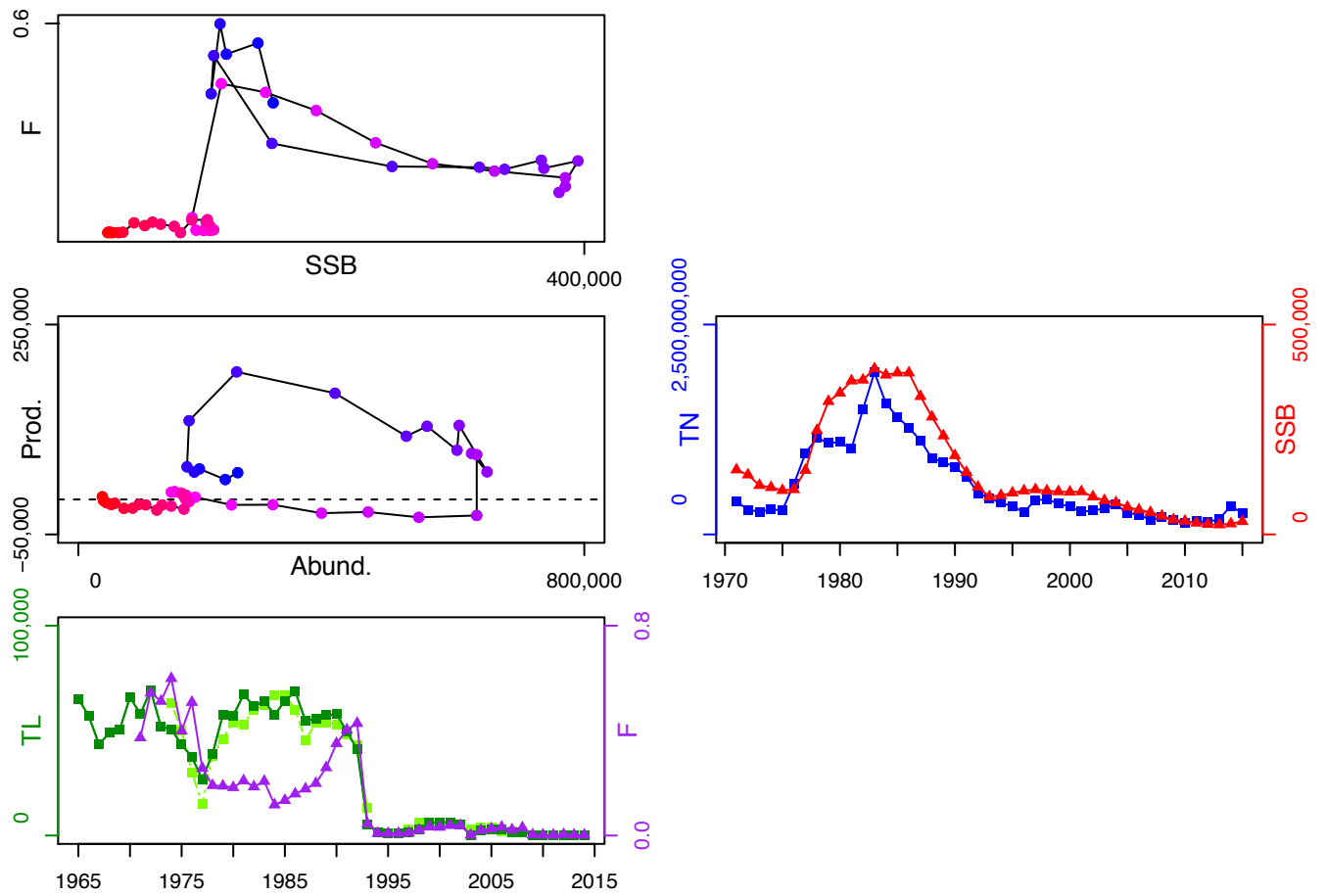
Atlantic cod NAFO 4TVn

Metadata	
Scientific Name	Gadus morhua
Common Name	Atlantic cod
Stock ID	COD4TVn
Assess ID	DFO-COD4TVn-1965-2015-WATSON
Region	Canada East
Area	Southern Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1965-2015

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	No.	-
Current Value	-	31,000	2.53×10^8	-
Time Series	TC	TL	F	U
Unit	-	MT	1/yr	Ratio
Current Value	-	114	0	0
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Atlantic cod NAFO 4TVn



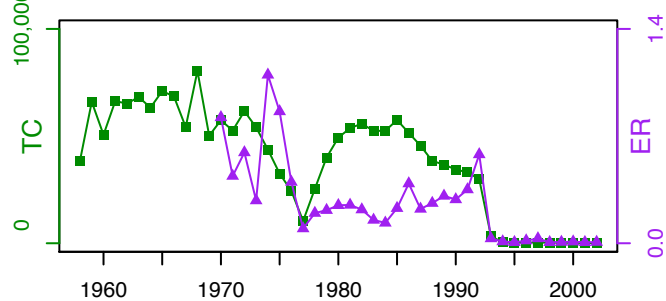
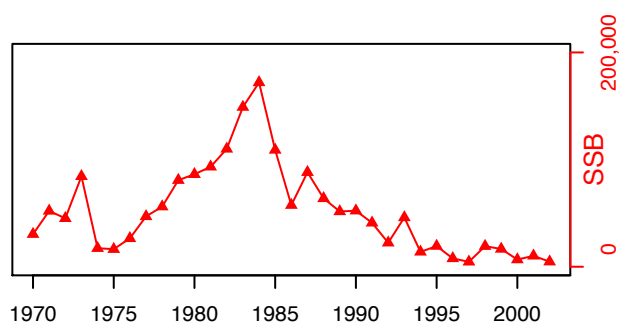
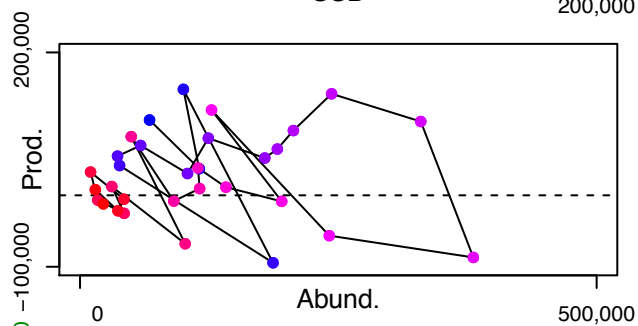
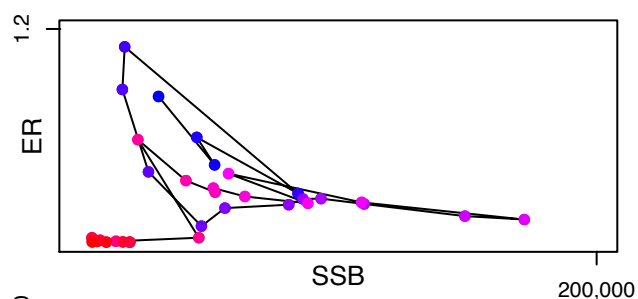
Atlantic cod NAFO 4VsW

Metadata	
Scientific Name	Gadus morhua
Common Name	Atlantic cod
Stock ID	COD4VsW
Assess ID	DFO-MAR-COD4VsW-1958-2002-PREFONTAINE
Region	Canada East
Area	Eastern Scotian Shelf
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Maritimes Region
Years	1958-2002

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	-	-
Current Value	-	4720	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	83	-	-	0.01
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Atlantic cod NAFO 4VsW



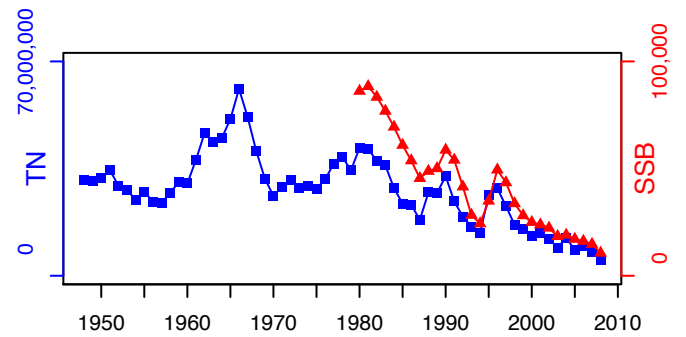
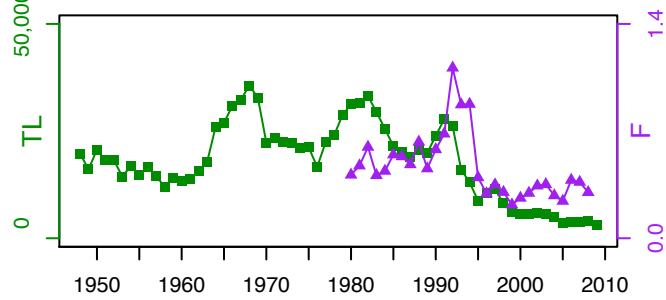
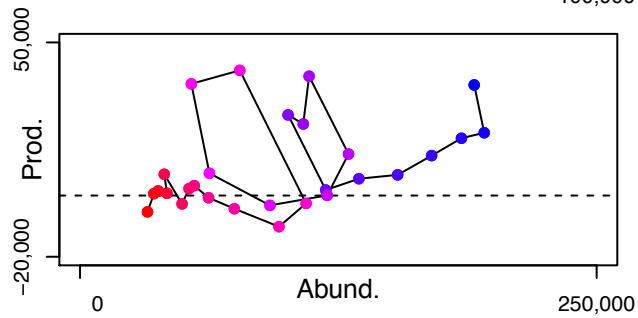
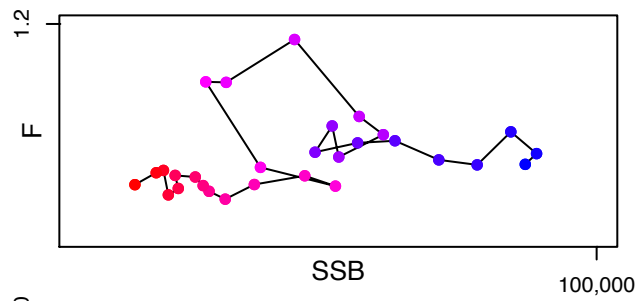
Atlantic cod Western Scotian Shelf, Bay of Fundy and Gulf of Maine

Metadata	
Scientific Name	Gadus morhua
Common Name	Atlantic cod
Stock ID	COD4X5Yb
Assess ID	DFO-COD4X5Yb-1948-2009-WATSON
Region	Canada East
Area	Western Scotian Shelf, Bay of Fundy and Gulf of Maine
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1948-2009

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	1/yr	-	-	
Value	-	0.2	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	No.	-
Current Value	-	10,627	5,171,000	-
Time Series	TC	TL	F	U
Unit	-	MT	1/yr	Ratio
Current Value	-	3166	0.3	0.18
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	1.5	-

Atlantic cod Western Scotian Shelf, Bay of Fundy and Gulf of Maine



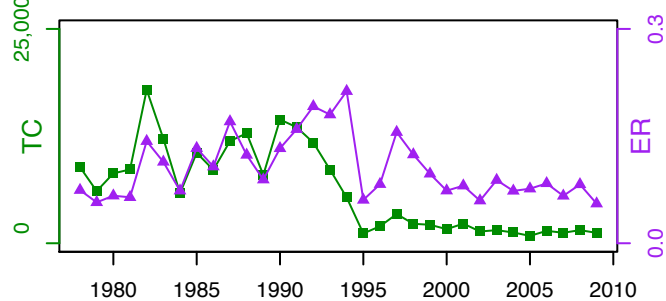
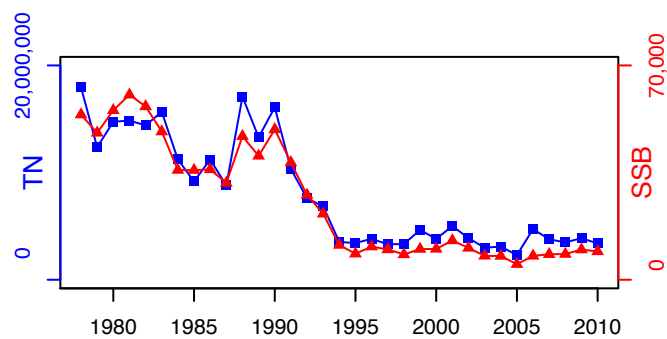
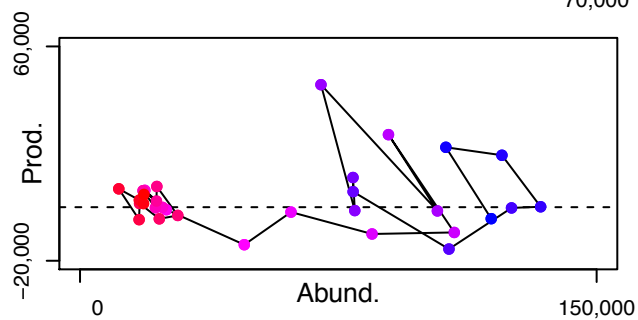
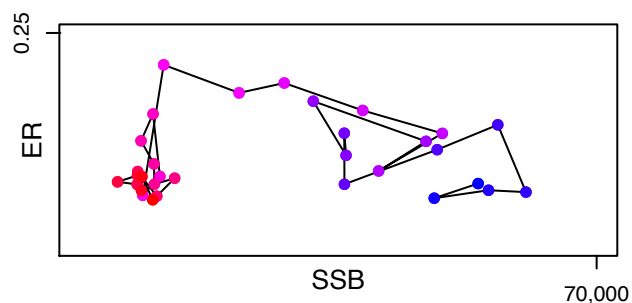
Atlantic cod NAFO 5Zjm

Metadata	
Scientific Name	Gadus morhua
Common Name	Atlantic cod
Stock ID	COD5Zjm
Assess ID	DFO-COD5Zjm-1978-2010-WATSON
Region	Canada East
Area	Georges Bank
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1978-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	No.	-
Current Value	-	9260	3,386,000	-
Time Series	TC	TL	F	U
Unit	MT	MT	-	Ratio
Current Value	1209	1858	-	0.06
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Atlantic cod NAFO 5Zjm



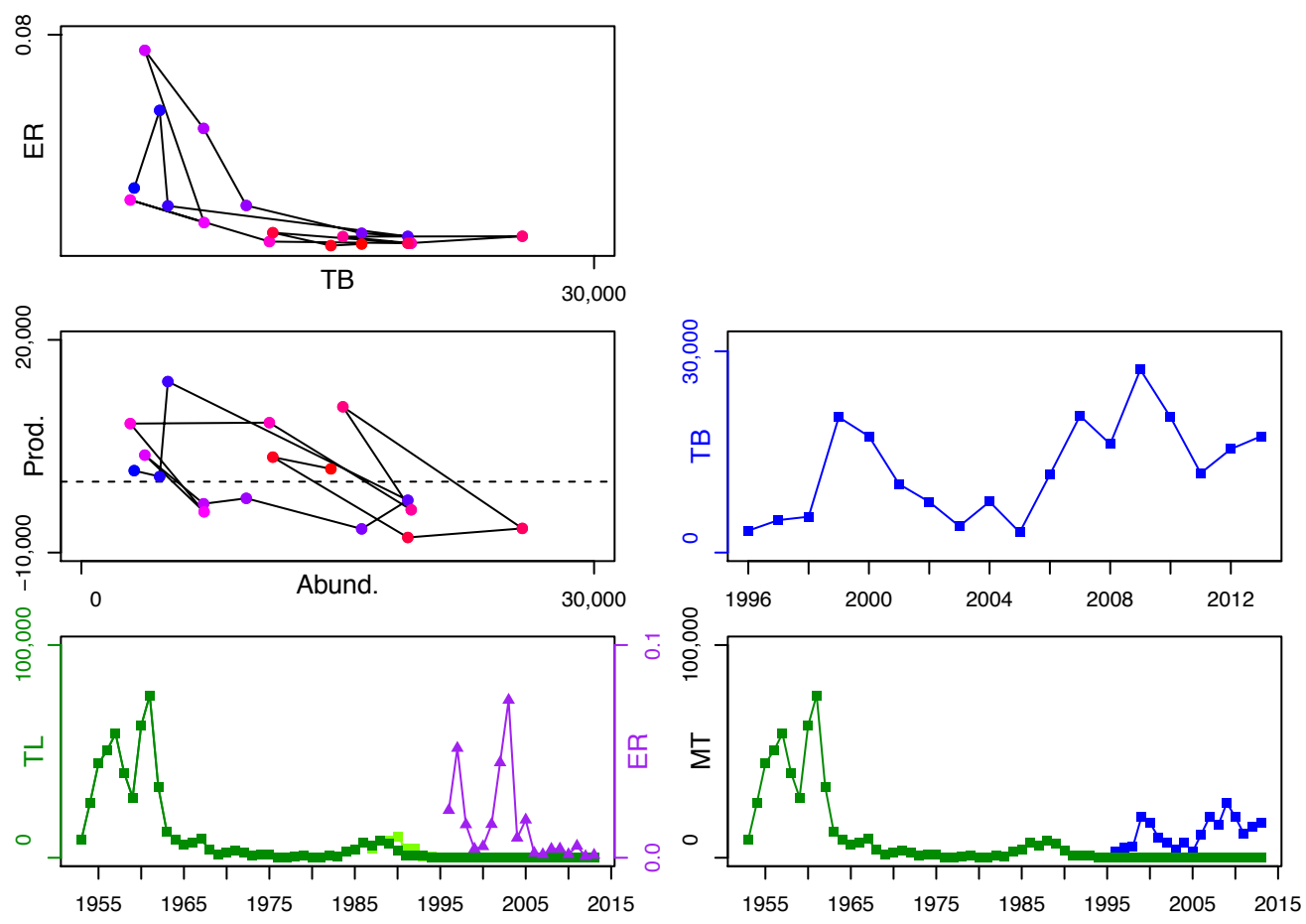
Haddock NAFO 3LNO

Metadata	
Scientific Name	Melanogrammus aeglefinus
Common Name	Haddock
Stock ID	HAD3LNO
Assess ID	DFO-HAD3LNO-1953-2013-WATSON
Region	Canada East
Area	Grand Banks
Management Authority	Northwest Atlantic Fisheries Organization
Assessor	NAFO Scientific Council
Years	1953-2013

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	No.	-
Current Value	16,400	-	14,900,000	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	21	-	0
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Haddock NAFO 3LNO



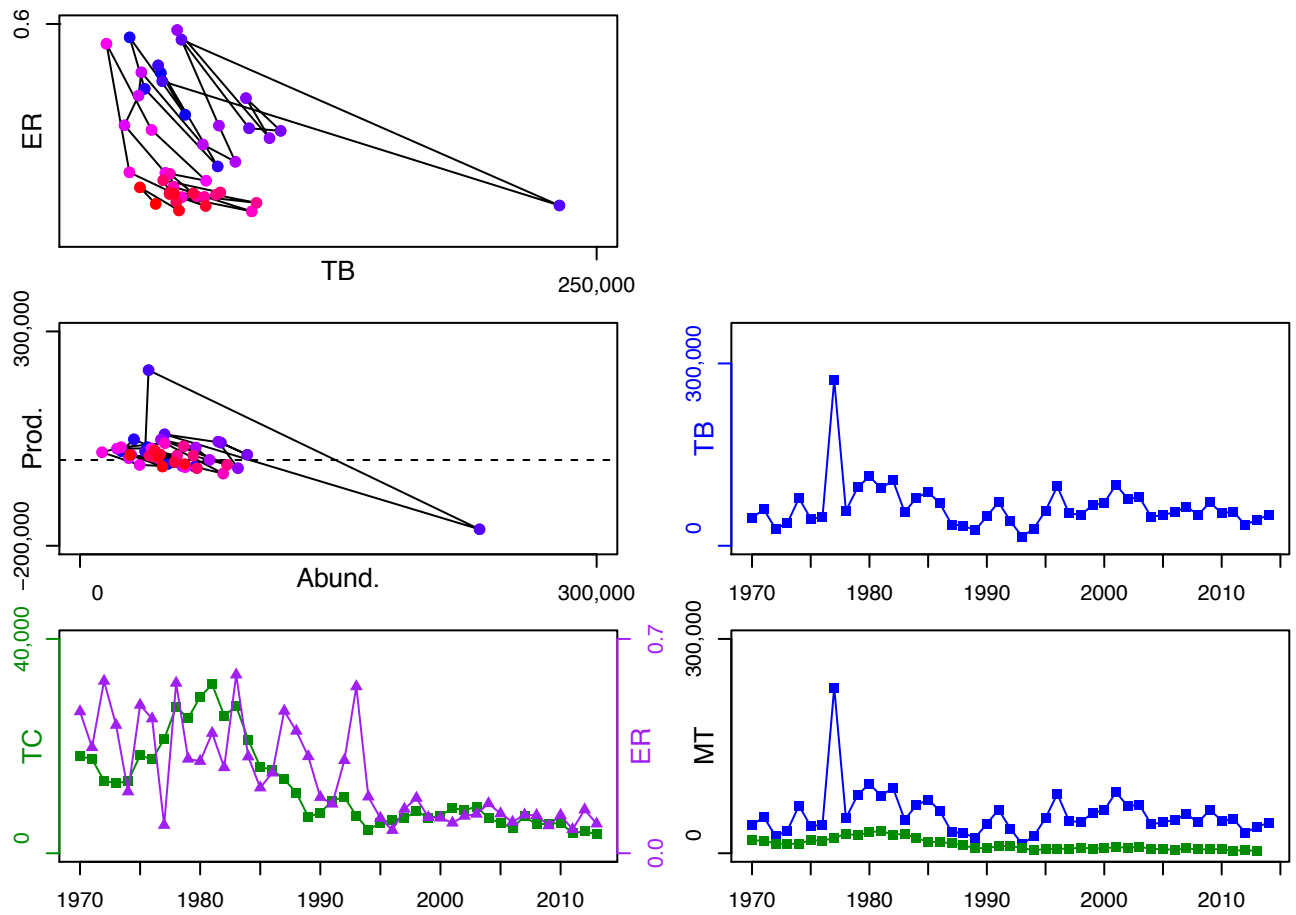
Haddock NAFO-4X5Y

Metadata	
Scientific Name	Melanogrammus aeglefinus
Common Name	Haddock
Stock ID	HAD4X5Y
Assess ID	DFO-HAD4X5Y-1970-2014-WATSON
Region	Canada East
Area	Western Scotian Shelf, Bay of Fundy and Gulf of Maine
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1970-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	42,900	-	-	-
Time Series	TC	TL	F	U
Unit	MT	MT	-	Ratio
Current Value	3520	3520	-	0.1
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Haddock NAFO-4X5Y



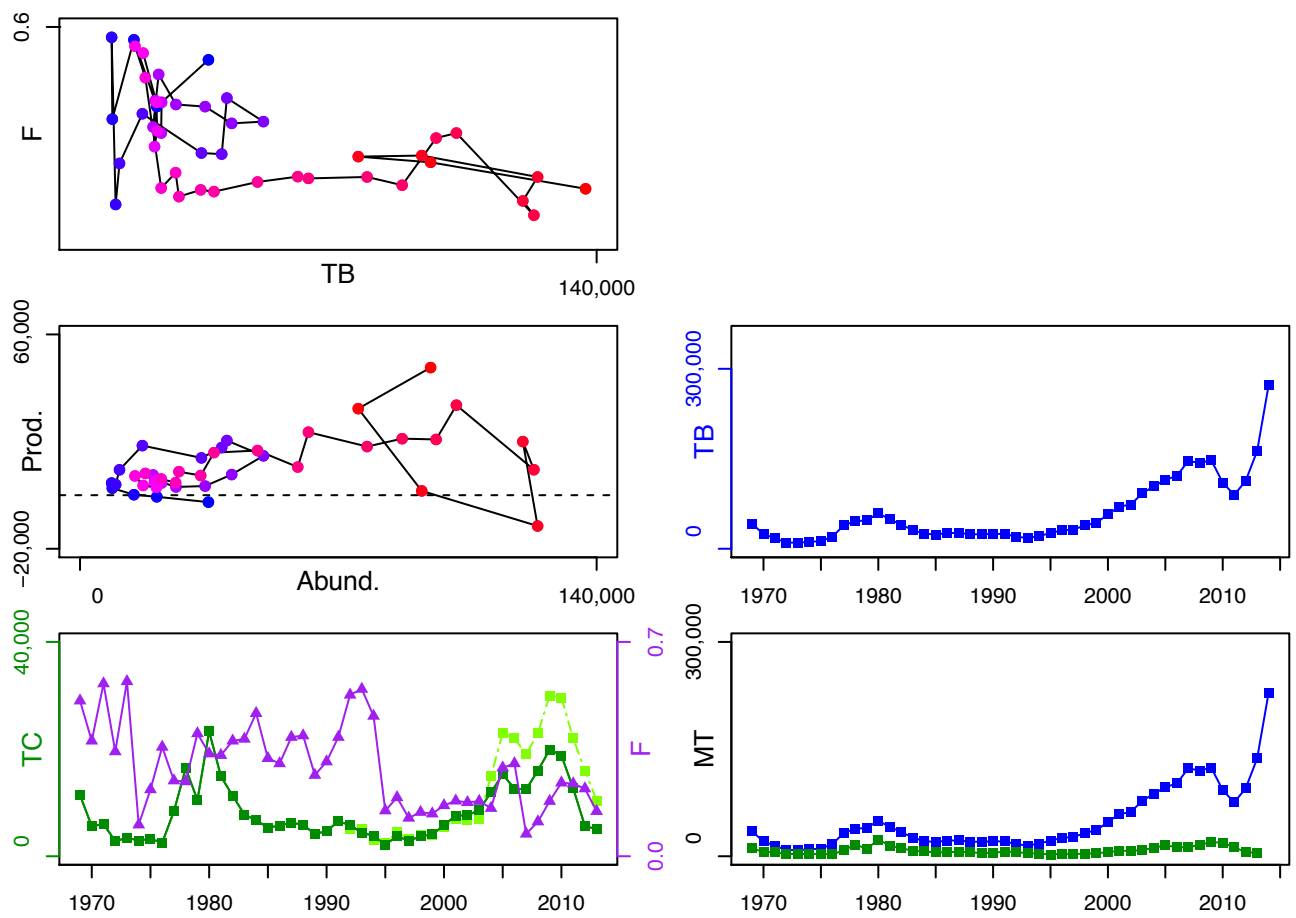
Haddock Georges Bank

Metadata	
Scientific Name	Melanogrammus aeglefinus
Common Name	Haddock
Stock ID	HADGB
Assess ID	TRAC-HADGB-1969-2014-WATSON
Region	Canada East
Area	Georges Bank
Management Authority	Transboundary Resource Assessment Committee (USA and Canada)
Assessor	Transboundary Resource Assessment Committee (USA and Canada)
Years	1969-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	No.	-
Current Value	229,000	-	1.79×10^9	-
Time Series	TC	TL	F	U
Unit	MT	-	1/yr	Ratio
Current Value	5070	-	0.15	0.04
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Haddock Georges Bank



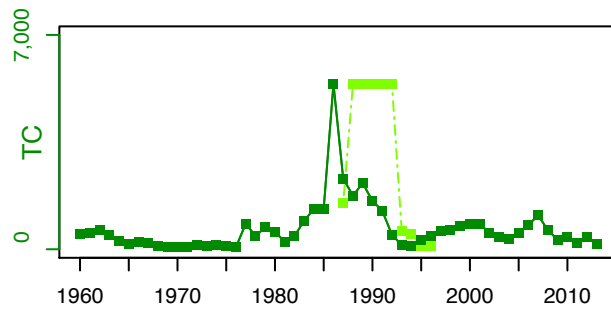
Pollock St. Pierre Bank

Metadata	
Scientific Name	Pollachius virens
Common Name	Pollock
Stock ID	POLL3Ps
Assess ID	DFO-NFLD-POLL3Ps-1960-2013-OSGOOD
Region	Canada East
Area	St. Pierre Bank
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Newfoundland Region
Years	1960-2013

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	184	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Pollock St. Pierre Bank



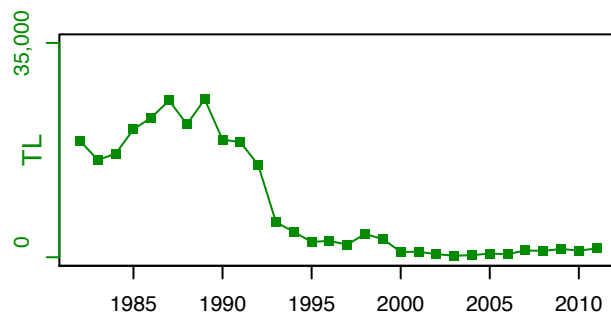
Pollock Scotian Shelf and Bay of Fundy

Metadata	
Scientific Name	Pollachius virens
Common Name	Pollock
Stock ID	POLL4VWX
Assess ID	DFO-MAR-POLL4VWX-1982-2011-OSGOOD
Region	Canada East
Area	Scotian Shelf and Bay of Fundy
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Maritimes Region
Years	1982-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	1430	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Pollock Scotian Shelf and Bay of Fundy



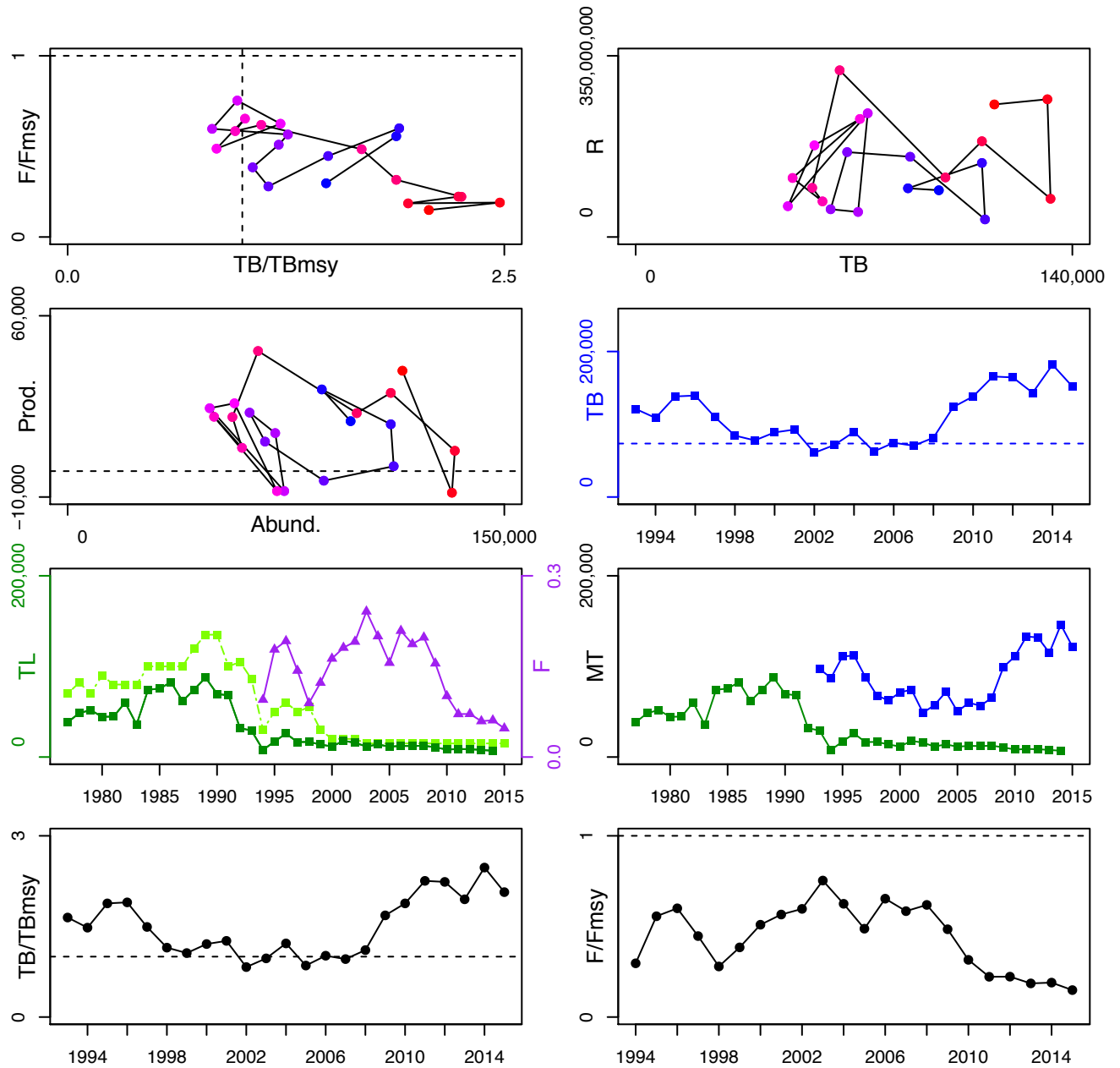
Silver hake Scotian Shelf and Bay of Fundy

Metadata	
Scientific Name	Merluccius bilinearis
Common Name	Silver hake
Stock ID	SHAKE4VWX
Assess ID	DFO-MAR-SHAKE4VWX-1969-2015-OSGOOD
Region	Canada East
Area	Scotian Shelf and Bay of Fundy
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Maritimes Region
Years	1969-2015

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	MT	-	-	-	-
Value	59,000	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	1/yr	-	-	
Value	16,000	0.32	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	No.
Current Value	122,000	-	-	2.56×10^8
Time Series	TC	TL	F	U
Unit	-	MT	1/yr	Ratio
Current Value	-	6930	0.05	0.05
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	2.07	-	0.15	-

Silver hake Scotian Shelf and Bay of Fundy



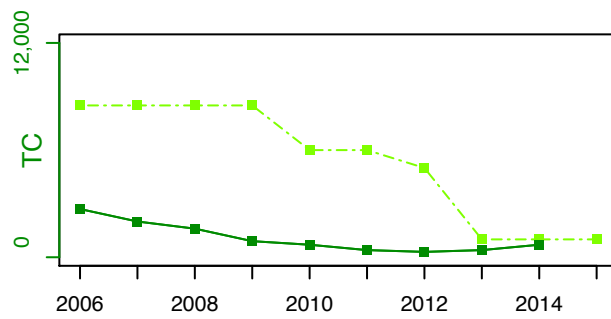
White hake Southern Grand Bank and St. Pierre Bank

Metadata	
Scientific Name	Urophycis tenuis
Common Name	White hake
Stock ID	WHAKE3NOPs
Assess ID	NAFO-SC-WHAKE3NOPs-1960-2015-OSGOOD
Region	Canada East
Area	Grand Bank and St. Pierre Bank
Management Authority	Northwest Atlantic Fisheries Organization
Assessor	NAFO Scientific Council
Years	1960-2015

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	-	
Value	3500	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	No.
Current Value	-	-	-	1,080,000
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	627	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

White hake Southern Grand Bank and St. Pierre Bank



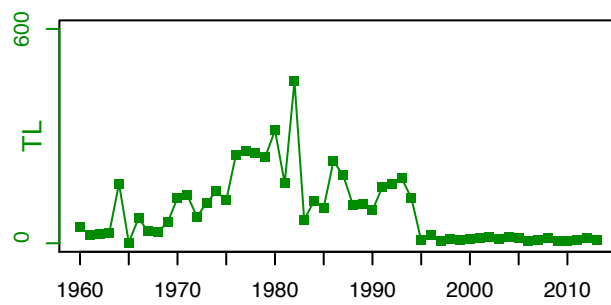
White hake Northern Gulf of St. Lawrence

Metadata	
Scientific Name	Urophycis tenuis
Common Name	White hake
Stock ID	WHAKE4RS
Assess ID	DFO-QUE-WHAKE4RS-1960-2014-OSGOOD
Region	Canada East
Area	Northern Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Years	1960-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	-	
Value	9016	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	10	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

White hake Northern Gulf of St. Lawrence



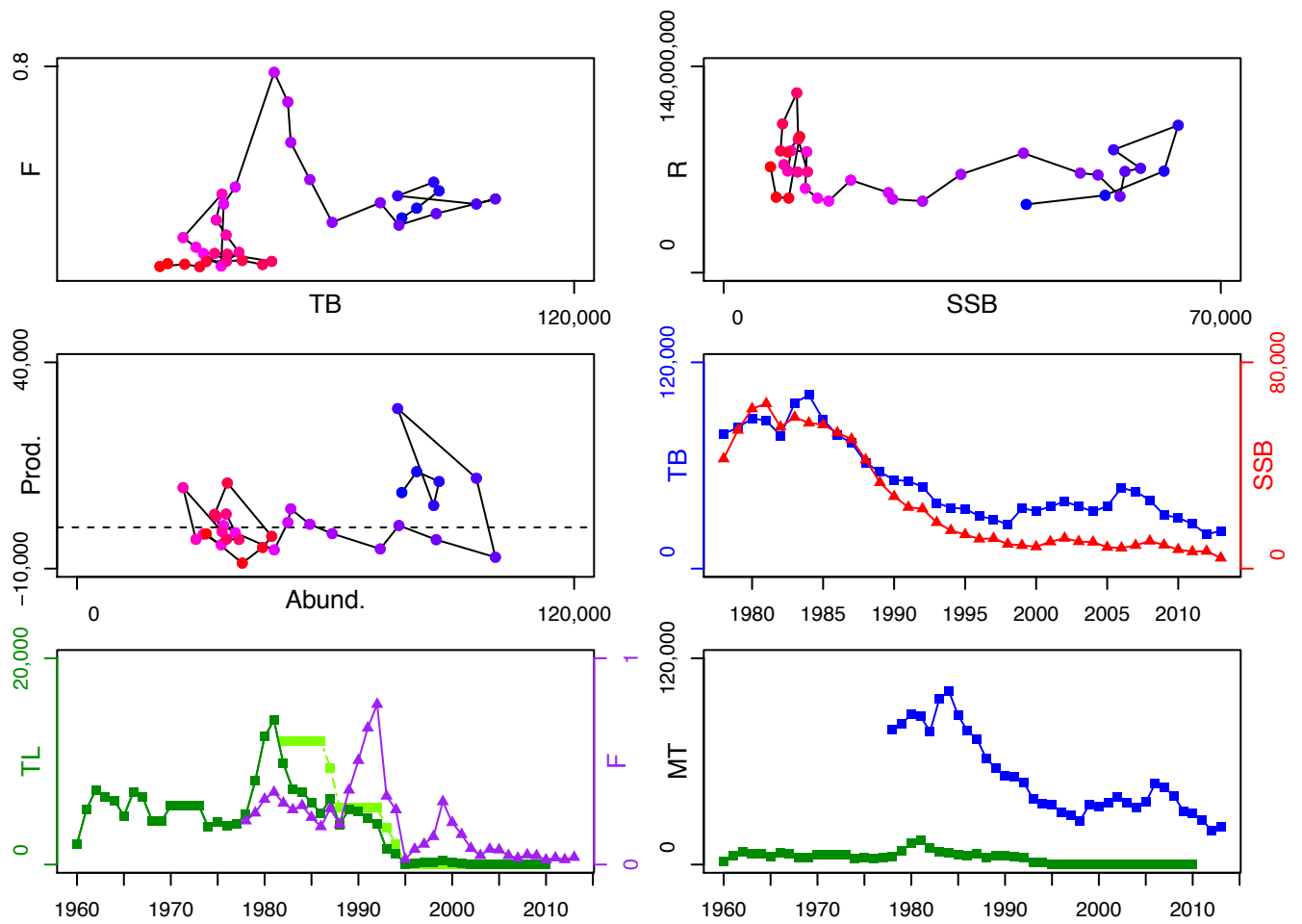
White hake Southern Gulf of St. Lawrence

Metadata	
Scientific Name	Urophycis tenuis
Common Name	White hake
Stock ID	WHAKE4T
Assess ID	DFO-SG-WHAKE4T-1960-2013-OSGOOD
Region	Canada East
Area	Southern Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Southern Gulf Region
Years	1960-2013

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	1/yr	
Value	-	-	-	1.08	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	No.	No.
Current Value	21,900	4120	93,900,000	71,800,000
Time Series	TC	TL	F	U
Unit	-	MT	1/yr	Ratio
Current Value	-	15	0.04	0
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

White hake Southern Gulf of St. Lawrence



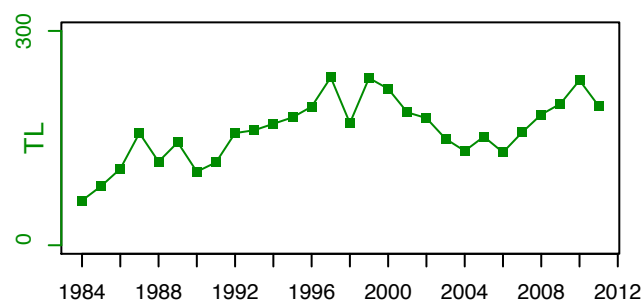
American lobster Quebec North Shore and Anticosti Island (LFA 15-18)

Metadata	
Scientific Name	Homarus americanus
Common Name	American lobster
Stock ID	LOBSTERLFA15-18
Assess ID	DFO-QUE-LOBSTERLFA15-18-1984-2011-CHING
Region	Canada East
Area	Quebec North Shore and Anticosti Island (LFA 15-18)
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Years	1984-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	195	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

American lobster Quebec North Shore and Anticosti Island (LFA 15–18)



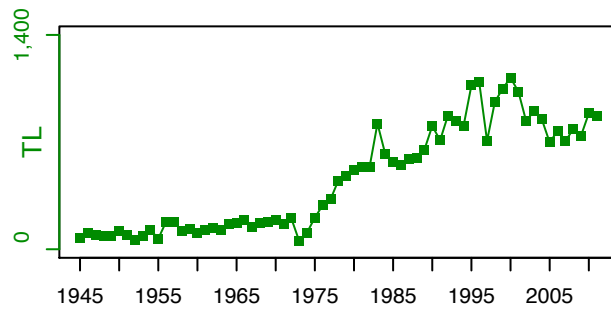
American lobster Gaspé (LFA 19-21)

Metadata	
Scientific Name	Homarus americanus
Common Name	American lobster
Stock ID	LOBSTERLFA19-21
Assess ID	DFO-QUE-LOBSTERLFA19-21-1945-2011-CHING
Region	Canada East
Area	Gaspé (LFA 19-21)
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Years	1945-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	872	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

American lobster Gaspe (LFA 19-21)



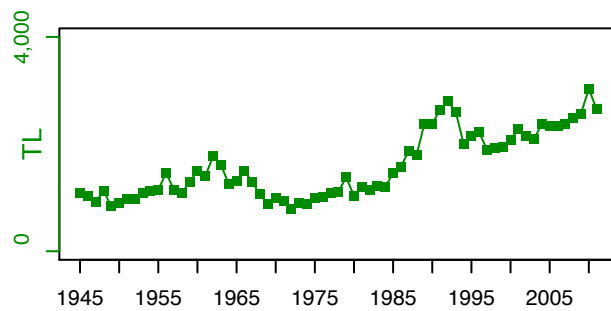
American lobster Magdalen Islands (LFA 22)

Metadata	
Scientific Name	Homarus americanus
Common Name	American lobster
Stock ID	LOBSTERLFA22
Assess ID	DFO-QUE-LOBSTERLFA22-1945-2011-CHING
Region	Canada East
Area	Magdalen Islands (LFA 22)
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Years	1945-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	2650	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

American lobster Magdalen Islands (LFA 22)



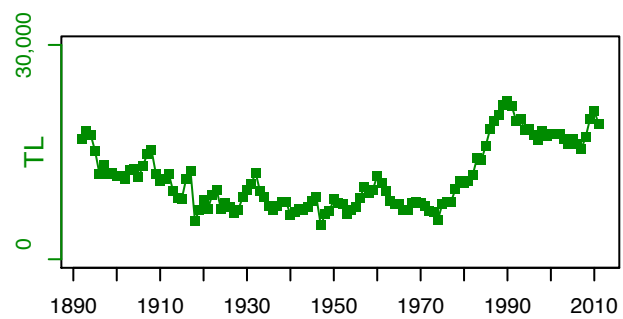
American lobster Southern Gulf of St. Lawrence

Metadata	
Scientific Name	Homarus americanus
Common Name	American lobster
Stock ID	LOBSTERLFA23-26AB
Assess ID	DFO-SG-LOBSTERLFA23-26AB-1892-2011-CHING
Region	Canada East
Area	Southern Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Southern Gulf Region
Years	1892-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	18,900	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

American lobster Southern Gulf of St. Lawrence



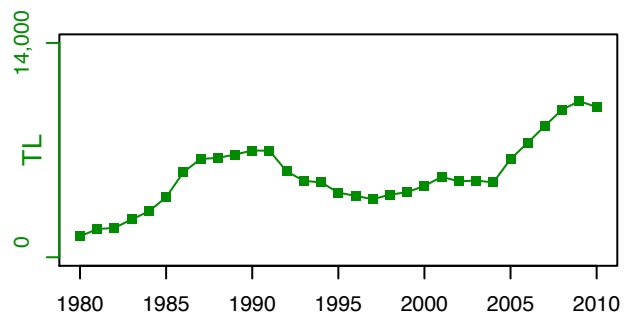
American lobster Atlantic Coast of Nova Scotia (LFA 27-33)

Metadata	
Scientific Name	Homarus americanus
Common Name	American lobster
Stock ID	LOBSTERLFA27-33
Assess ID	DFO-MAR-LOBSTERLFA27-33-1980-2010-CHING
Region	Canada East
Area	Atlantic Coast of Nova Scotia (LFA 27-33)
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Maritimes Region
Years	1980-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	9810	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

American lobster Atlantic Coast of Nova Scotia (LFA 27–33)



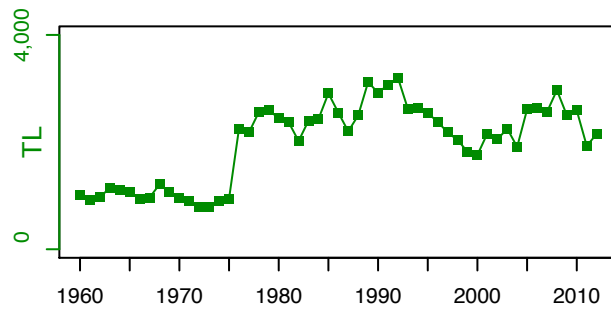
American lobster LFA 3-14

Metadata	
Scientific Name	Homarus americanus
Common Name	American lobster
Stock ID	LOBSTERLFA3-14
Assess ID	DFO-LOBSTERLFA3-14-1960-2012-WATSON
Region	Canada East
Area	Lobster Fishing Areas 3-14
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1960-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	2150	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

American lobster LFA 3-14



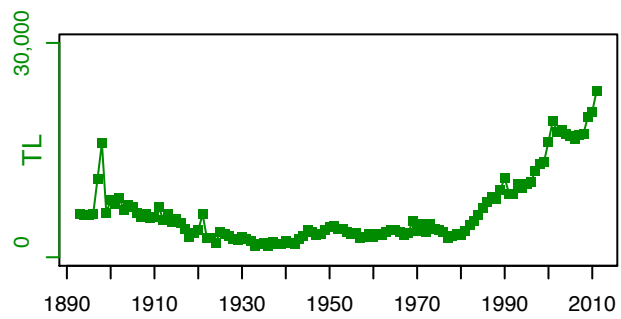
American lobster Lobster Fishing Area 34

Metadata	
Scientific Name	Homarus americanus
Common Name	American lobster
Stock ID	LOBSTERLFA34
Assess ID	DFO-MAR-LOBSTERLFA34-1893-2012-CHING
Region	Canada East
Area	Lobster Fishing Area 34
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Maritimes Region
Years	1893-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	23,300	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

American lobster Lobster Fishing Area 34



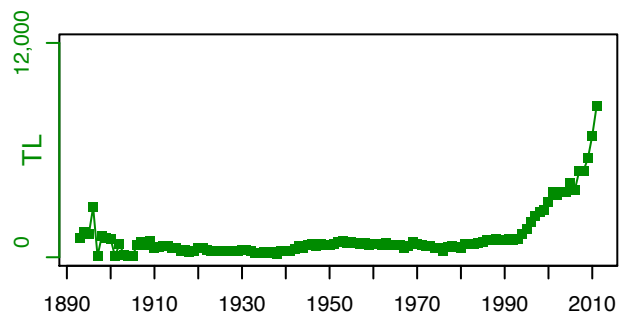
American lobster Lobster Fishing Areas 35-38

Metadata	
Scientific Name	Homarus americanus
Common Name	American lobster
Stock ID	LOBSTERLFA35-38
Assess ID	DFO-MAR-LOBSTERLFA35-38-1893-2012-CHING
Region	Canada East
Area	Lobster Fishing Areas 35-38
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Maritimes Region
Years	1893-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	8470	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

American lobster Lobster Fishing Areas 35–38



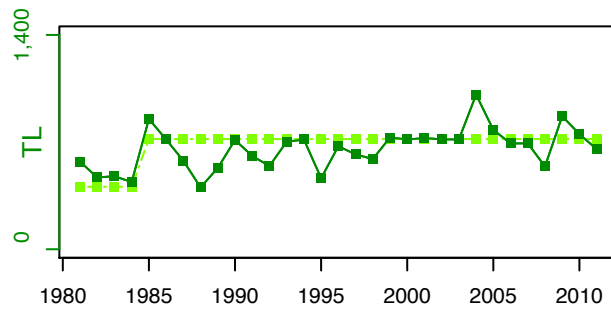
American Lobster LFA 41

Metadata	
Scientific Name	Homarus americanus
Common Name	American lobster
Stock ID	LOBSTERLFA41
Assess ID	DFO-LOBSTERLFA41-1981-2012-WATSON
Region	Canada East
Area	Lobster Fishing Area 41
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1981-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	654	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

American Lobster LFA 41



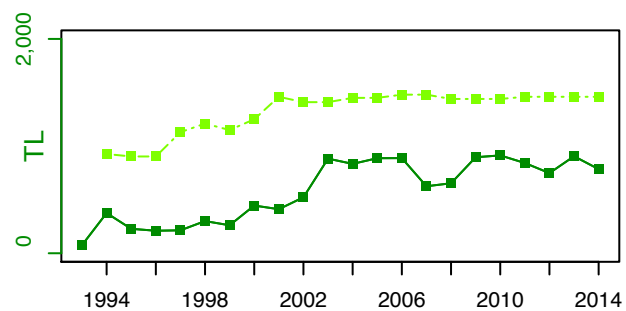
Arctic surfclam Quebec and Gulf of St. Lawrence

Metadata	
Scientific Name	Mactromeris polynyma
Common Name	Arctic surfclam
Stock ID	ARCSURF4RST
Assess ID	DFO-QUE-ARCSURF4RST-1993-2014-OSGOOD
Region	Canada East
Area	Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Years	1993-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	785	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Arctic surfclam Quebec and Gulf of St. Lawrence



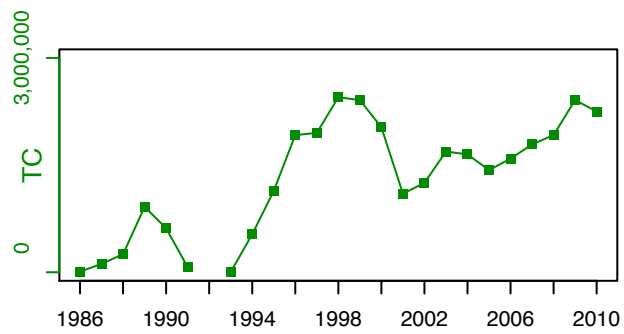
Arctic surfclam Banquereau

Metadata	
Scientific Name	Mactromeris polynyma
Common Name	Arctic surfclam
Stock ID	ARCSURFBANQ
Assess ID	DFO-MAR-ARCSURFBANQ-1986-2010-CHING
Region	Canada East
Area	Banquereau
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Maritimes Region
Years	1986-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	-
Current Value	2,250,000	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Arctic surfclam Banquereau



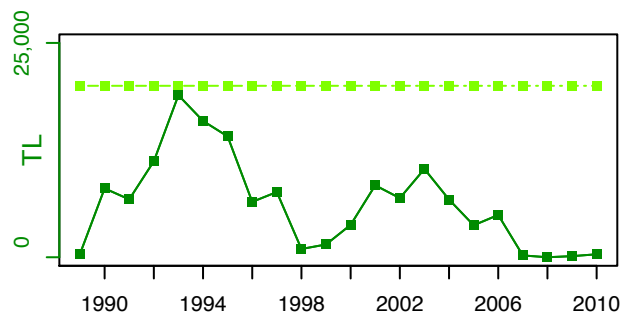
Arctic surfclam Grand Bank

Metadata	
Scientific Name	Mactromeris polynyma
Common Name	Arctic surfclam
Stock ID	ARCSURFGB
Assess ID	DFO-ARCSURFGB-1989-2010-WATSON
Region	Canada East
Area	Division 3LNO
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1989-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	1/yr	
Value	-	-	-	0.08	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	346	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Arctic surfclam Grand Bank



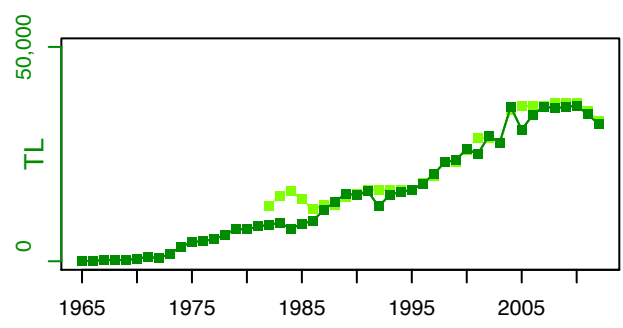
Northern shrimp Canada-DFO-4RST

Metadata	
Scientific Name	Pandalus borealis
Common Name	Northern shrimp
Stock ID	PANDAL4RST
Assess ID	DFO-PANDAL4RST-1965-2012-WATSON
Region	Canada East
Area	Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1965-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	No.	MT	-	-
Current Value	6.01×10^9	32,000	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Northern shrimp Canada-DFO-4RST



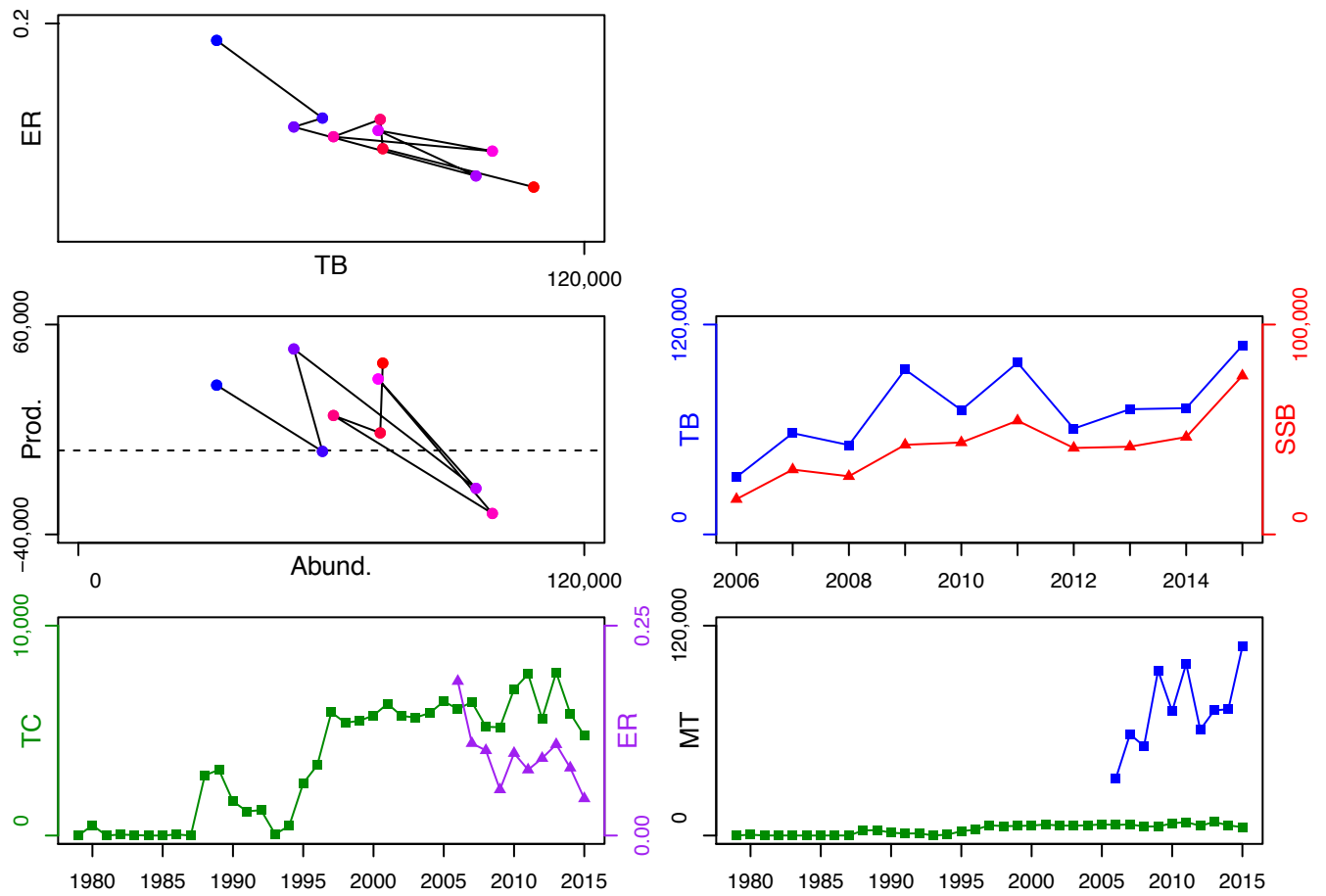
Northern shrimp Shrimp Fishing Areas 2-3

Metadata	
Scientific Name	Pandalus borealis
Common Name	Northern shrimp
Stock ID	PANDALSFA2-3
Assess ID	DFO-ARCTIC-PANDALSFA2-3-1979-2015-WATSON
Region	Canada East
Area	Shrimp Fishing Areas 2-3
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Arctic Region
Years	1979-2015

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	-	-
Current Value	108,000	75,600	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	4760	-	-	0.04
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Northern shrimp Shrimp Fishing Areas 2-3



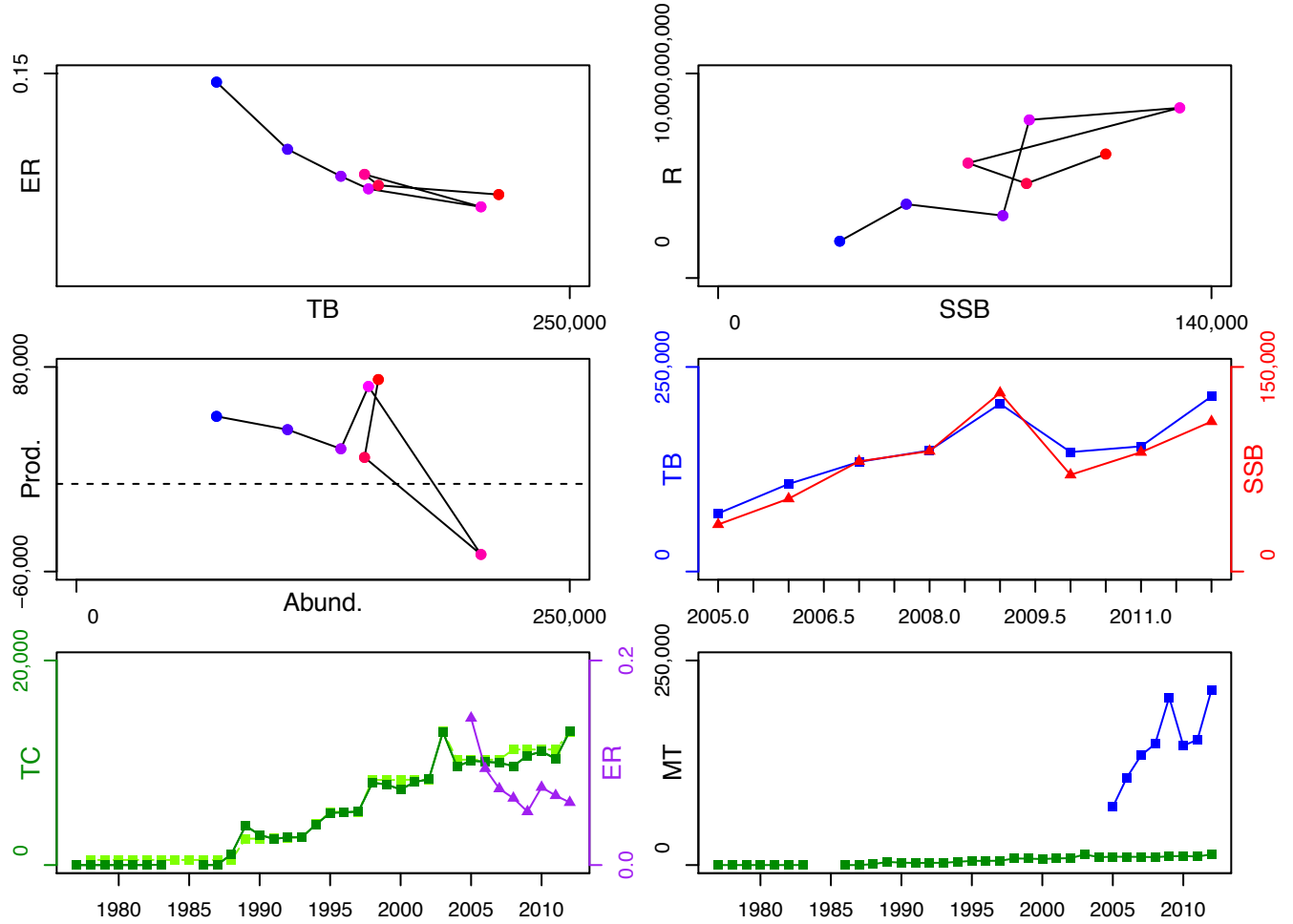
Northern shrimp SFA 4

Metadata	
Scientific Name	Pandalus borealis
Common Name	Northern shrimp
Stock ID	PANDALSFA4
Assess ID	DFO-PANDALSFA4-1977-2012-WATSON
Region	Canada East
Area	Shrimp Fishing Area 4
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1977-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	No.	No.
Current Value	214,000	110,000	4.54×10^{10}	6.06×10^9
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	13,100	-	-	0.06
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Northern shrimp SFA 4



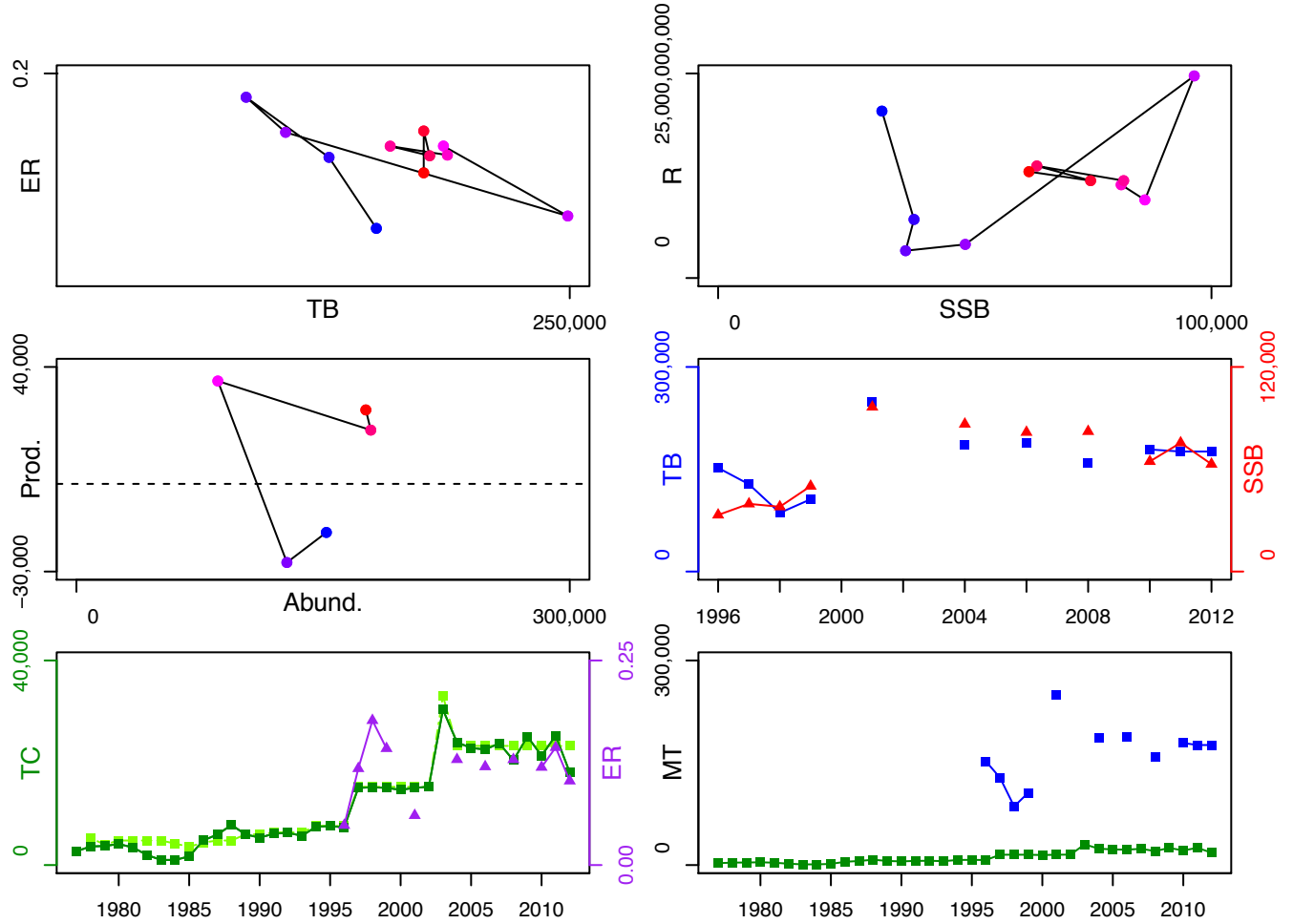
Northern shrimp SFA 5

Metadata	
Scientific Name	Pandalus borealis
Common Name	Northern shrimp
Stock ID	PANDALSFA5
Assess ID	DFO-PANDALSFA5-1977-2012-WATSON
Region	Canada East
Area	Shrimp Fishing Area 5
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1977-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	No.	No.
Current Value	176,000	63,000	4.38×10^{10}	1.3×10^{10}
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	18,100	-	-	0.1
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Northern shrimp SFA 5



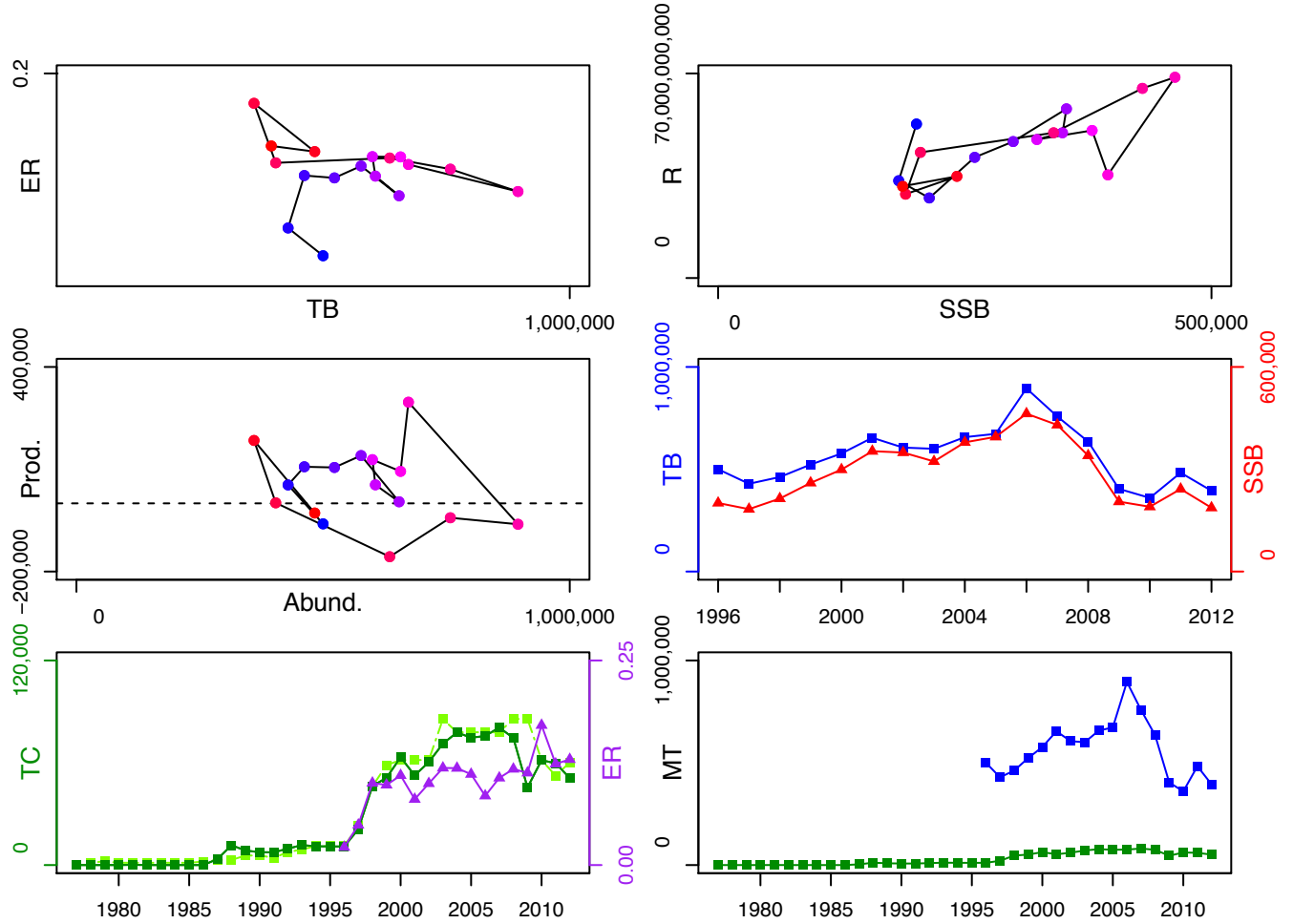
Northern shrimp SFA 6

Metadata	
Scientific Name	Pandalus borealis
Common Name	Northern shrimp
Stock ID	PANDALSFA6
Assess ID	DFO-PANDALSFA6-1977-2012-WATSON
Region	Canada East
Area	Shrimp Fishing Area 6
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1977-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	No.	No.
Current Value	395,000	187,000	9.29×10^{10}	3.14×10^{10}
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	51,000	-	-	0.13
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Northern shrimp SFA 6



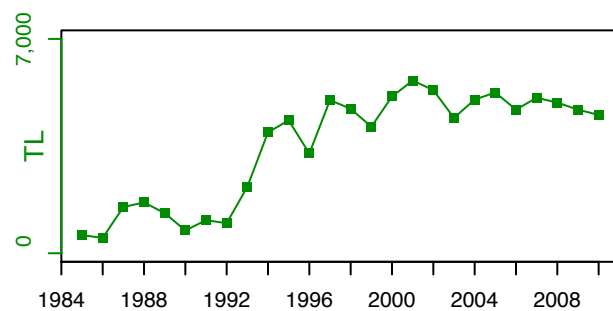
Rock crab Southern Gulf of St. Lawrence

Metadata	
Scientific Name	Cancer irroratus
Common Name	Rock crab
Stock ID	ROCKCRABLFA23-26
Assess ID	DFO-SG-ROCKCRABLFA23-26-1985-2010-OSGOOD
Region	Canada East
Area	Southern Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Southern Gulf Region
Years	1985-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	4520	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Rock crab Southern Gulf of St. Lawrence



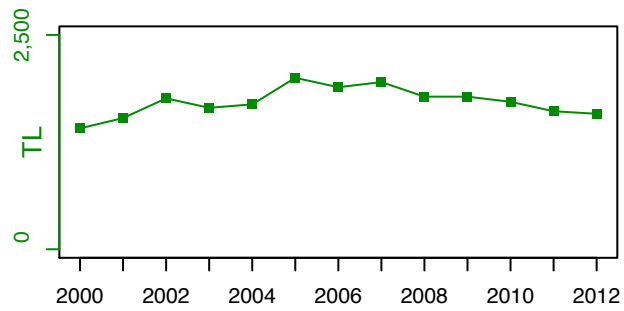
Rock crab Quebec Coastal Waters

Metadata	
Scientific Name	Cancer irroratus
Common Name	Rock crab
Stock ID	ROCKCRABQCW
Assess ID	DFO-QUE-ROCKCRABQCW-1998-2012-OSGOOD
Region	Canada East
Area	Quebec Coastal Waters
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Years	1998-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	1580	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Rock crab Quebec Coastal Waters



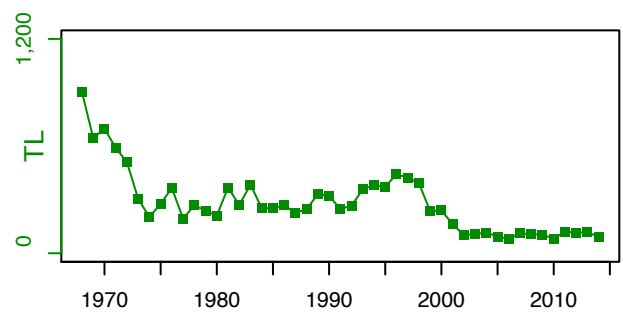
Sea scallop Southern Gulf of St. Lawrence

Metadata	
Scientific Name	Placopecten magellanicus
Common Name	Sea scallop
Stock ID	SCALL4T
Assess ID	DFO-MAR-SCALL4T-1968-2014-OSGOOD
Region	Canada East
Area	Southern Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Maritimes Region
Years	1968-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	91	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Sea scallop Southern Gulf of St. Lawrence



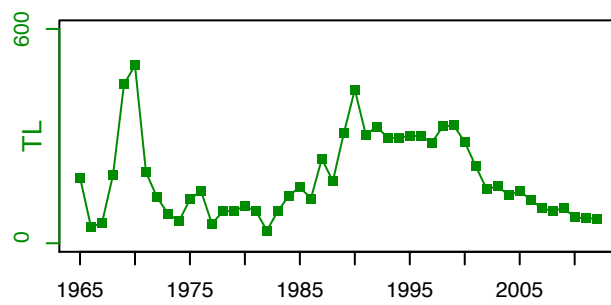
Sea scallop Northern Gulf of St Lawrence

Metadata	
Scientific Name	Placopecten magellanicus
Common Name	Sea scallop
Stock ID	SCALLSFA16-20
Assess ID	DFO-MAR-SCALLSFA16-20-1965-2012-OSGOOD
Region	Canada East
Area	Scallop Fishing Areas 16-20
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Maritimes Region
Years	1965-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	69	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Sea scallop Northern Gulf of St Lawrence



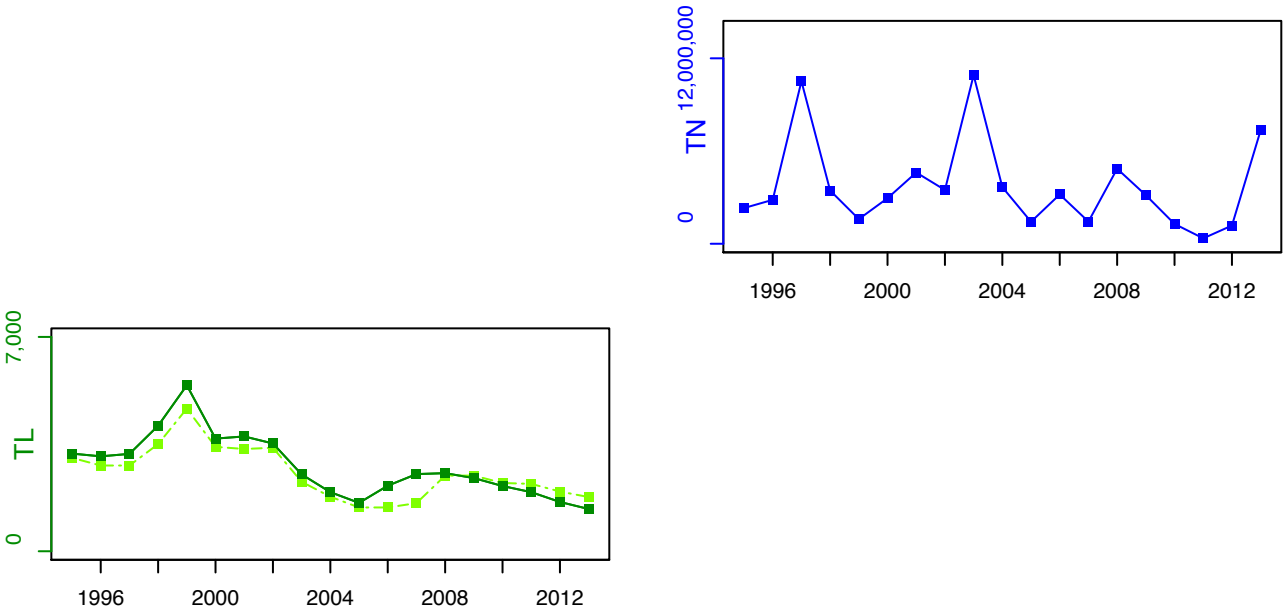
Snow Crab Division 2HJ

Metadata	
Scientific Name	Chionoecetes opilio
Common Name	Snow Crab
Stock ID	SNOWCRAB2HJ
Assess ID	DFO-SNOWCRAB2HJ-1995-2013-WATSON
Region	Canada East
Area	Division 2HJ
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1995-2013

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	No.	-
Current Value	-	-	6,350,000	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	1380	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Snow Crab Division 2HJ



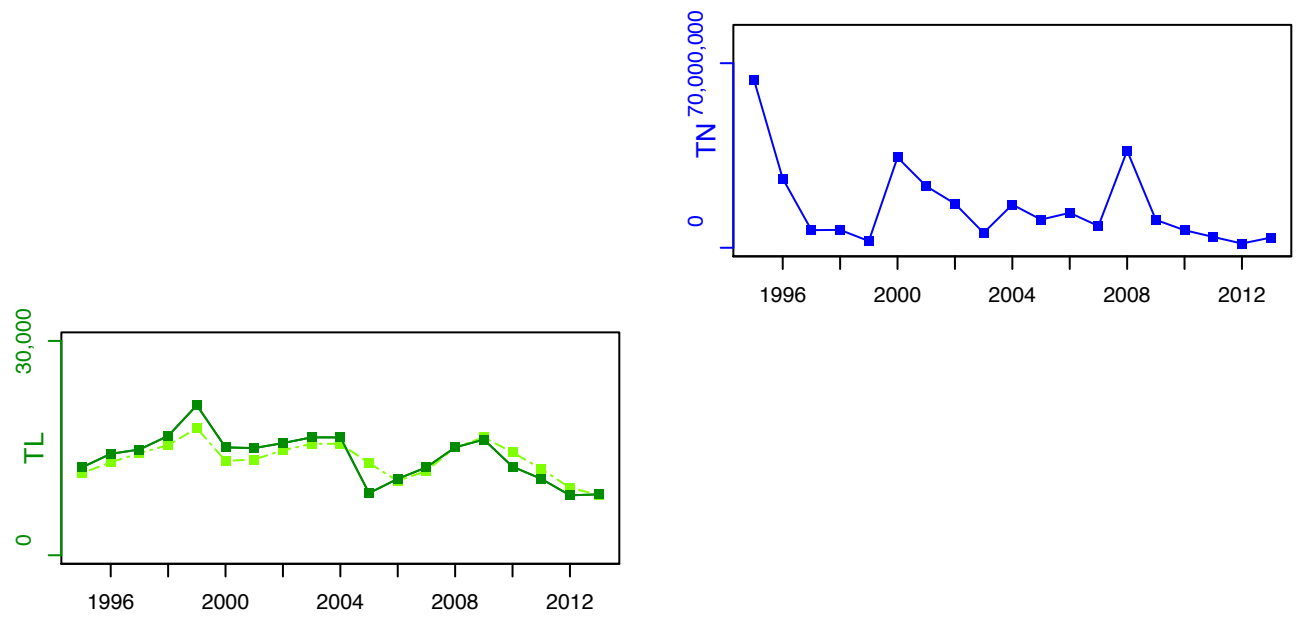
Snow Crab Division 3K

Metadata	
Scientific Name	Chionoecetes opilio
Common Name	Snow Crab
Stock ID	SNOWCRAB3K
Assess ID	DFO-SNOWCRAB3K-1995-2013-WATSON
Region	Canada East
Area	Division 3K
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1995-2013

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	No.	-
Current Value	-	-	3,310,000	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	8520	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Snow Crab Division 3K



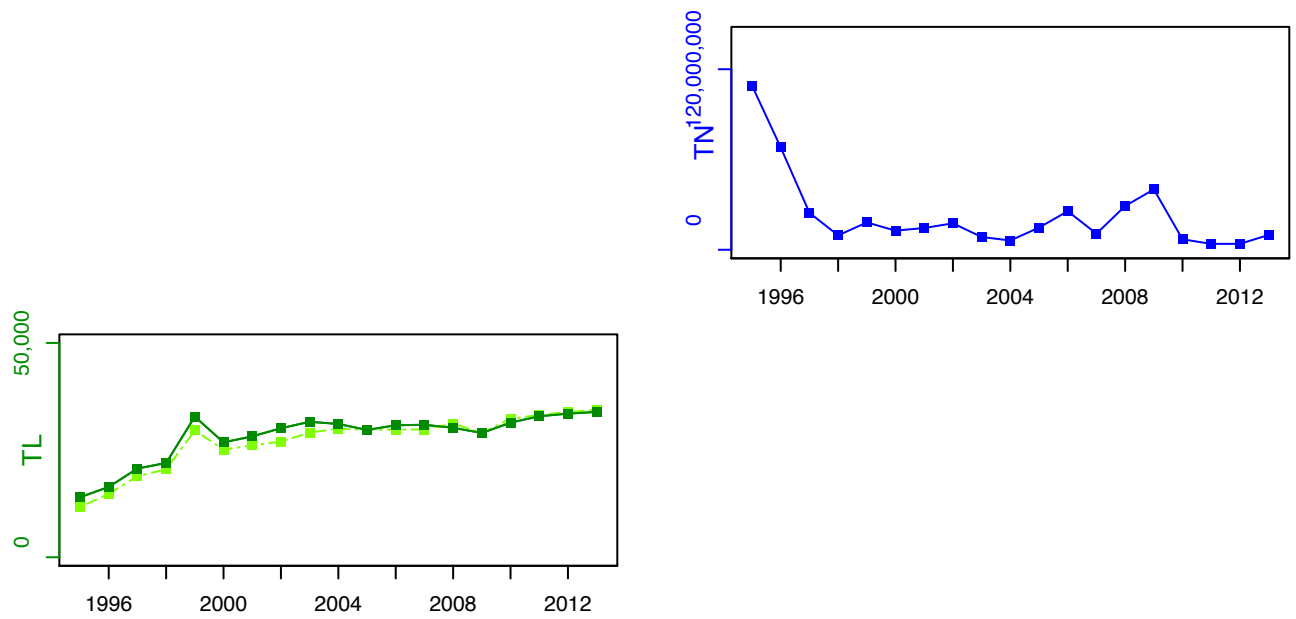
Snow Crab Division 3LNO

Metadata	
Scientific Name	Chionoecetes opilio
Common Name	Snow Crab
Stock ID	SNOWCRAB3LNO
Assess ID	DFO-SNOWCRAB3LNO-1995-2013-WATSON
Region	Canada East
Area	Division 3LNO
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1995-2013

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	No.	-
Current Value	-	-	8,270,000	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	33,900	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Snow Crab Division 3LNO



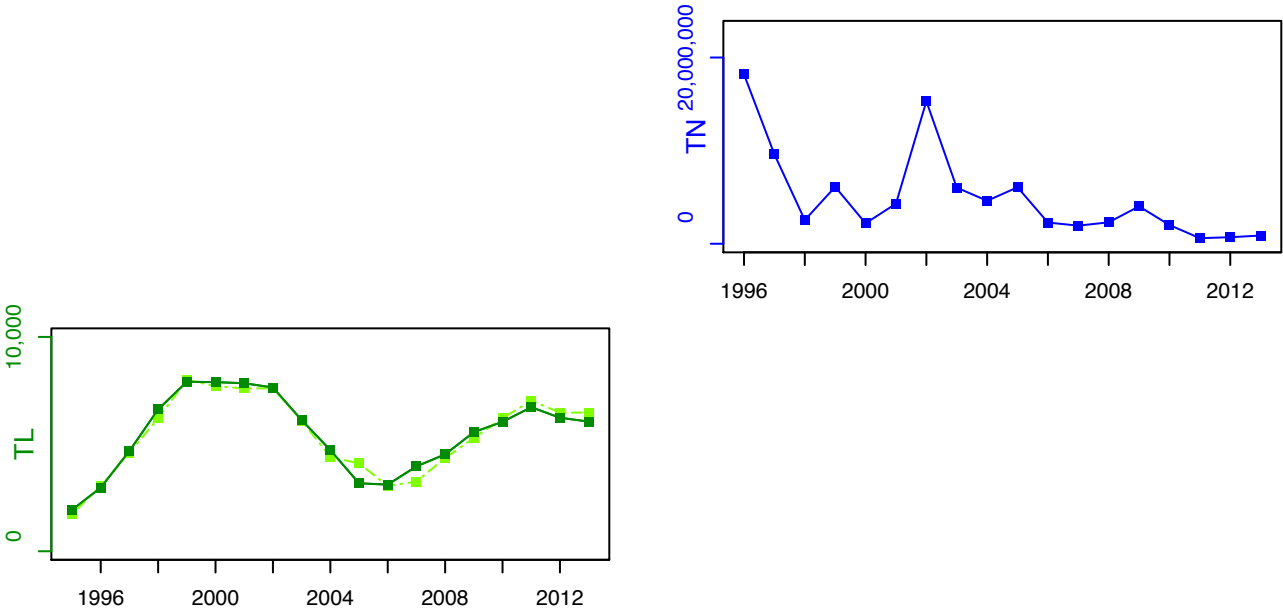
Snow Crab Division 3Ps

Metadata	
Scientific Name	Chionoecetes opilio
Common Name	Snow Crab
Stock ID	SNOWCRAB3Ps
Assess ID	DFO-SNOWCRAB3Ps-1995-2013-WATSON
Region	Canada East
Area	St. Pierre Bank
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1995-2013

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	No.	-
Current Value	-	-	768,000	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	6050	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Snow Crab Division 3Ps



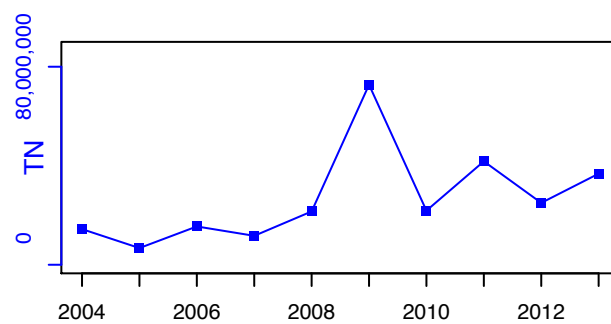
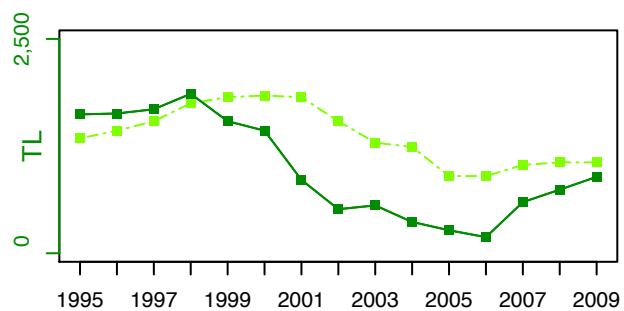
Snow Crab Division 4R3Pn

Metadata	
Scientific Name	Chionoecetes opilio
Common Name	Snow Crab
Stock ID	SNOWCRAB4R3Pn
Assess ID	DFO-SNOWCRAB4R3Pn-1995-2013-WATSON
Region	Canada East
Area	Division 4R3Pn
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1995-2013

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	No.	-
Current Value	-	-	3.4×10^7	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	891	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Snow Crab Division 4R3Pn



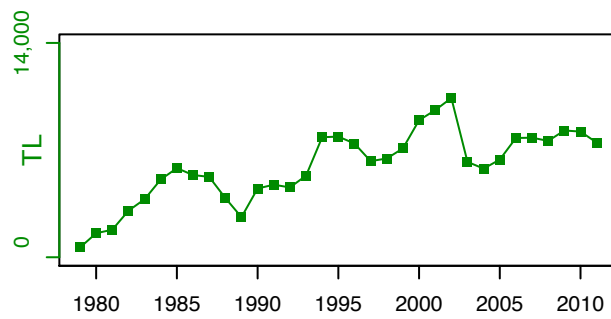
Snow crab Northern Gulf of St. Lawrence

Metadata	
Scientific Name	Chionoecetes opilio
Common Name	Snow crab
Stock ID	SNOWCRABSCMA12-17
Assess ID	DFO-QUE-SNOWCRABSCMA12-17-1979-2011-CHING
Region	Canada East
Area	Northern Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Years	1979-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	7490	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Snow crab Northern Gulf of St. Lawrence



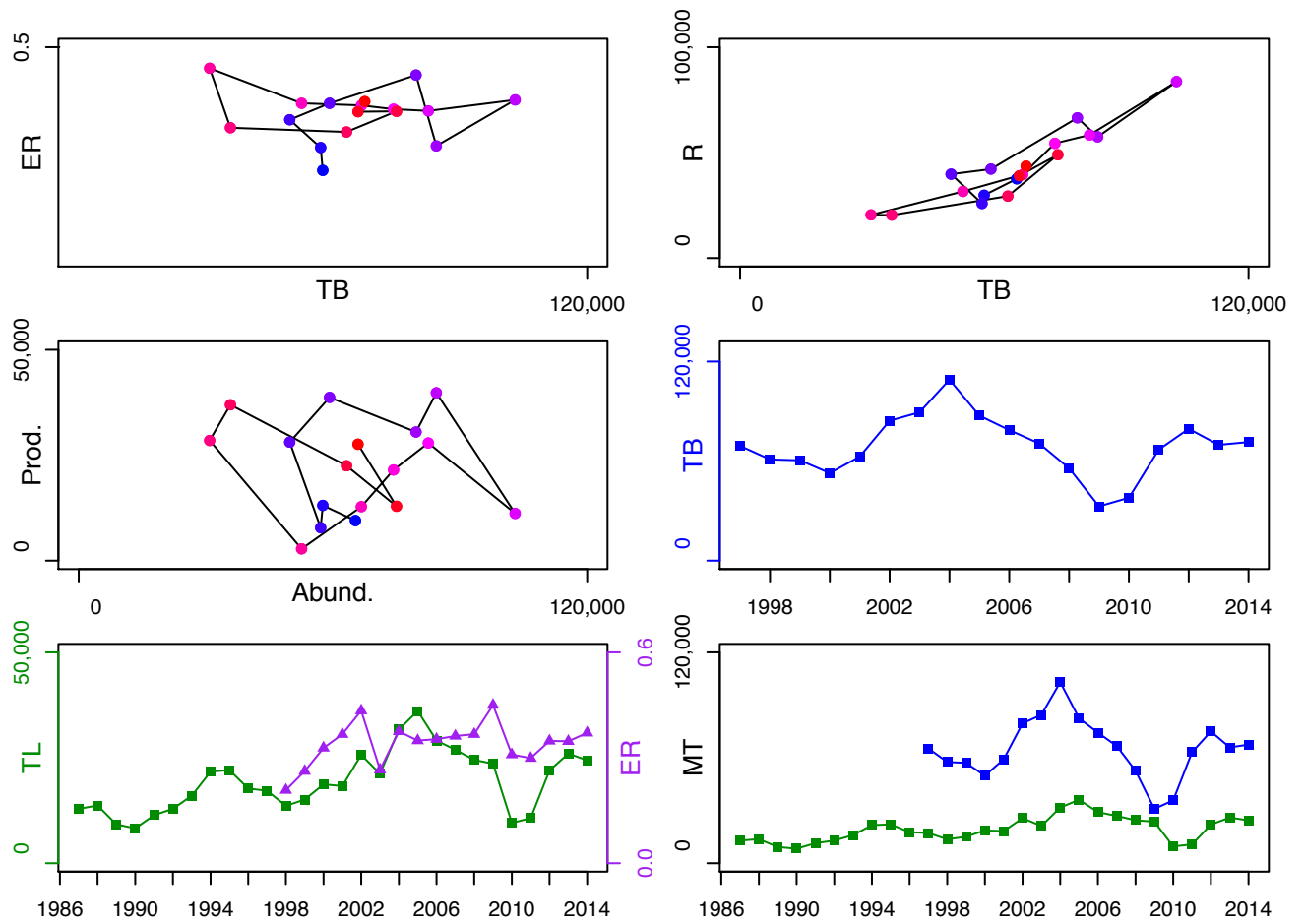
Snow crab Southern Gulf of St. Lawrence

Metadata	
Scientific Name	Chionoecetes opilio
Common Name	Snow crab
Stock ID	SNOWCRABSGSL
Assess ID	DFO-SNOWCRABSGSL-1987-2014-WATSON
Region	Canada East
Area	Southern Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1987-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	MT
Current Value	67,500	-	-	43,600
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	24,400	-	0.37
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Snow crab Southern Gulf of St. Lawrence



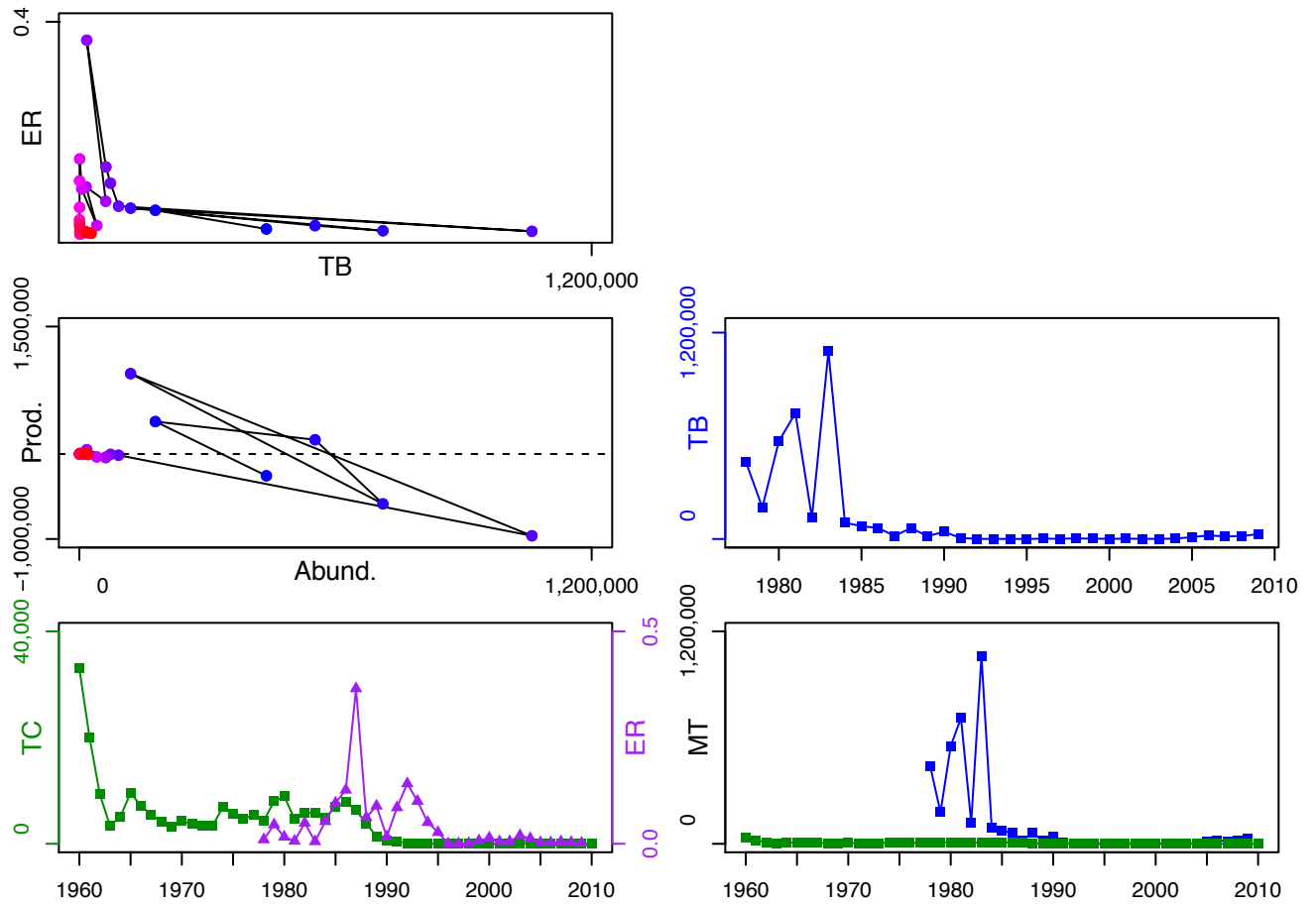
Acadian redfish NAFO-2J3K

Metadata	
Scientific Name	Sebastes fasciatus
Common Name	Acadian redfish
Stock ID	ACADRED2J3K
Assess ID	DFO-ACADRED2J3K-1960-2010-WATSON
Region	Canada East
Area	NAFO Division 2J3K
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1960-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	-	
Value	3000	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	27,600	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	49	-	-	0
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Acadian redfish NAFO-2J3K



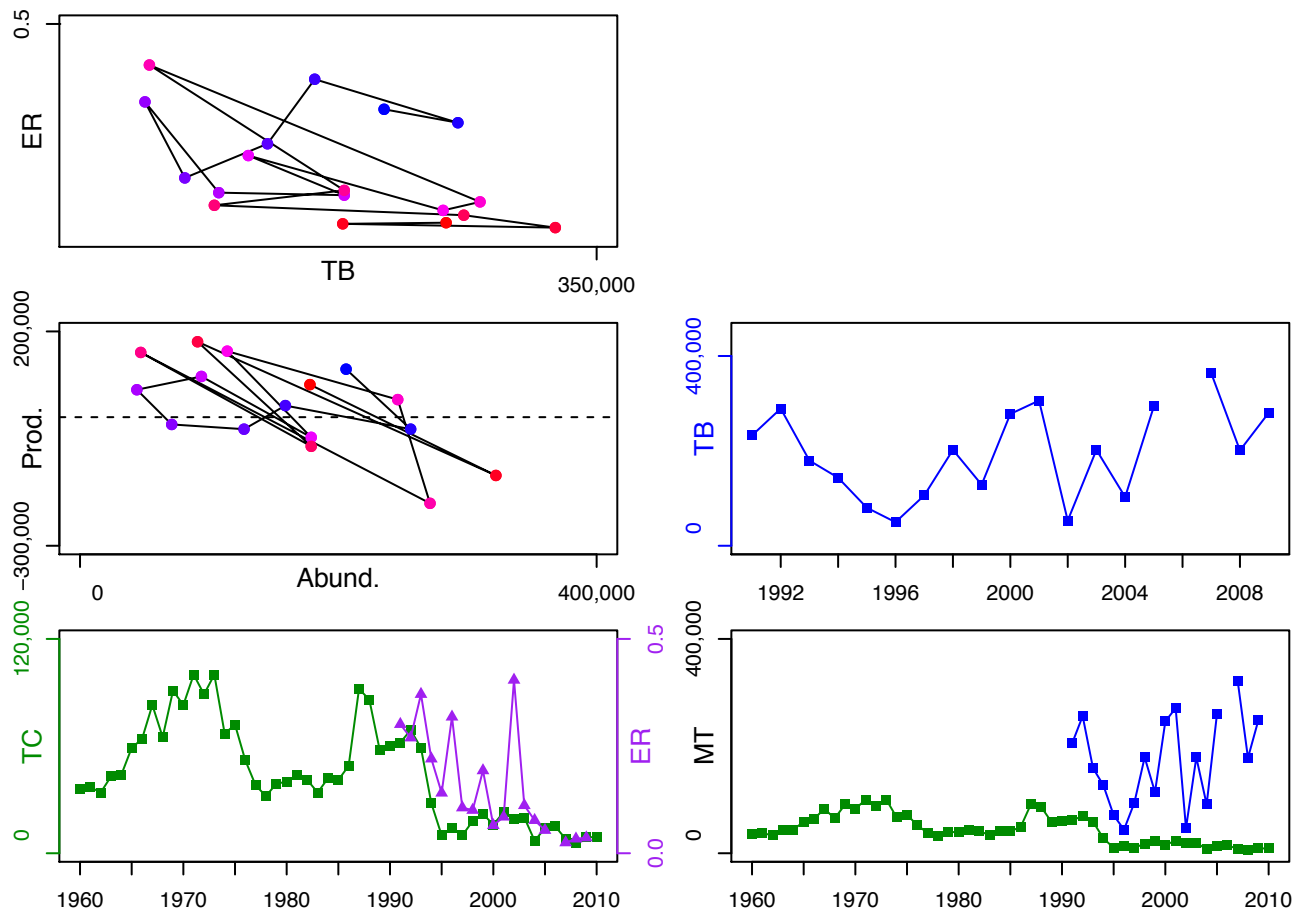
Acadian redfish Units 1-2 and NAFO-3LNO

Metadata	
Scientific Name	Sebastes fasciatus
Common Name	Acadian redfish
Stock ID	ACADRED3LNO-UT12
Assess ID	DFO-ACADRED3LNO-UT12-1960-2010-WATSON
Region	Canada East
Area	NAFO Division 3LNO and Units 1 and 2
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1960-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	-	
Value	116,000	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	248,000	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	9000	-	-	0.04
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Acadian redfish Units 1-2 and NAFO-3LNO



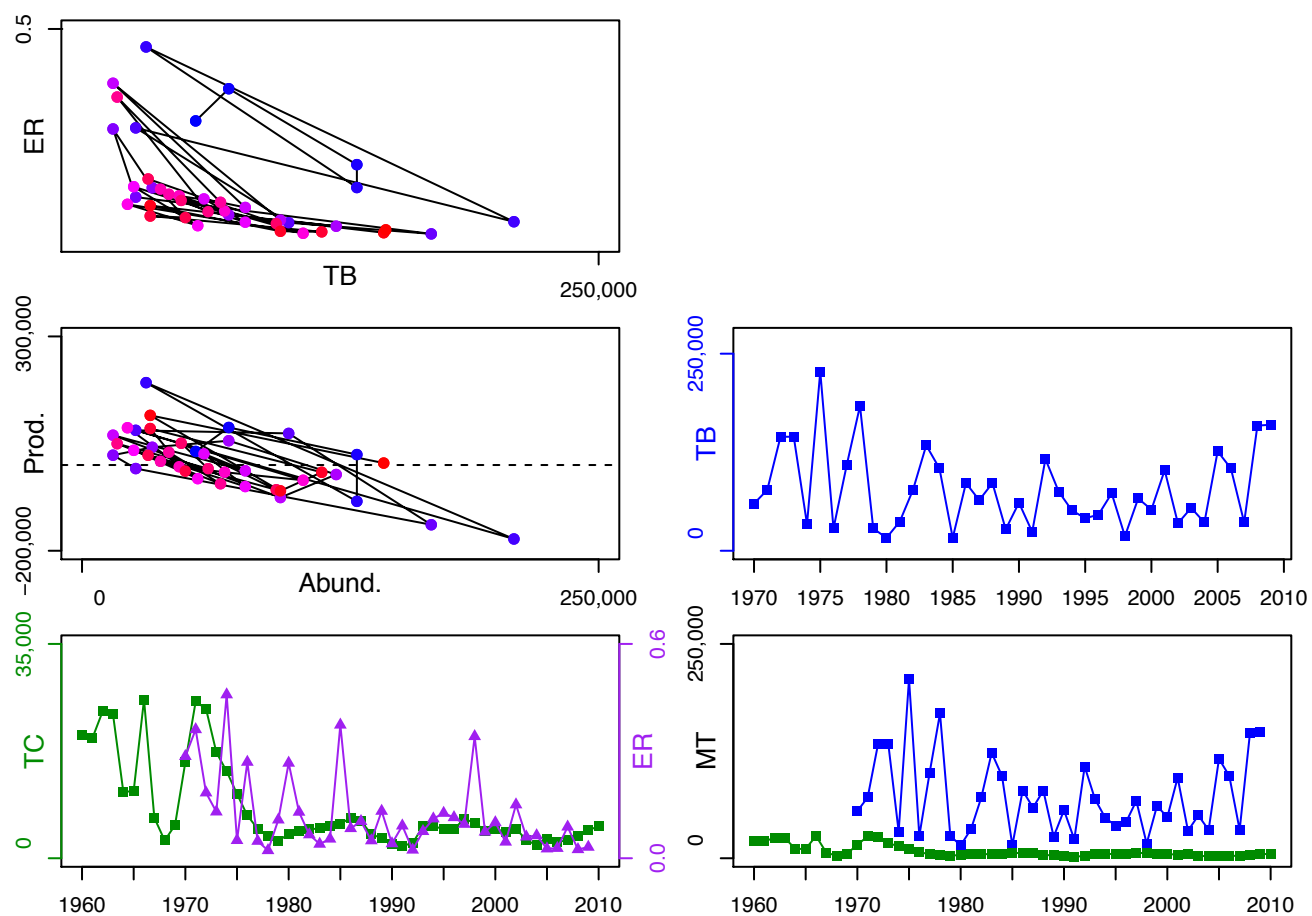
Acadian redfish Unit 3

Metadata	
Scientific Name	Sebastes fasciatus
Common Name	Acadian redfish
Stock ID	ACADREDUT3
Assess ID	DFO-ACADREDUT3-1960-2010-WATSON
Region	Canada East
Area	Unit 3
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1960-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	-	
Value	131,000	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	147,000	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	5200	-	-	0.03
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Acadian redfish Unit 3



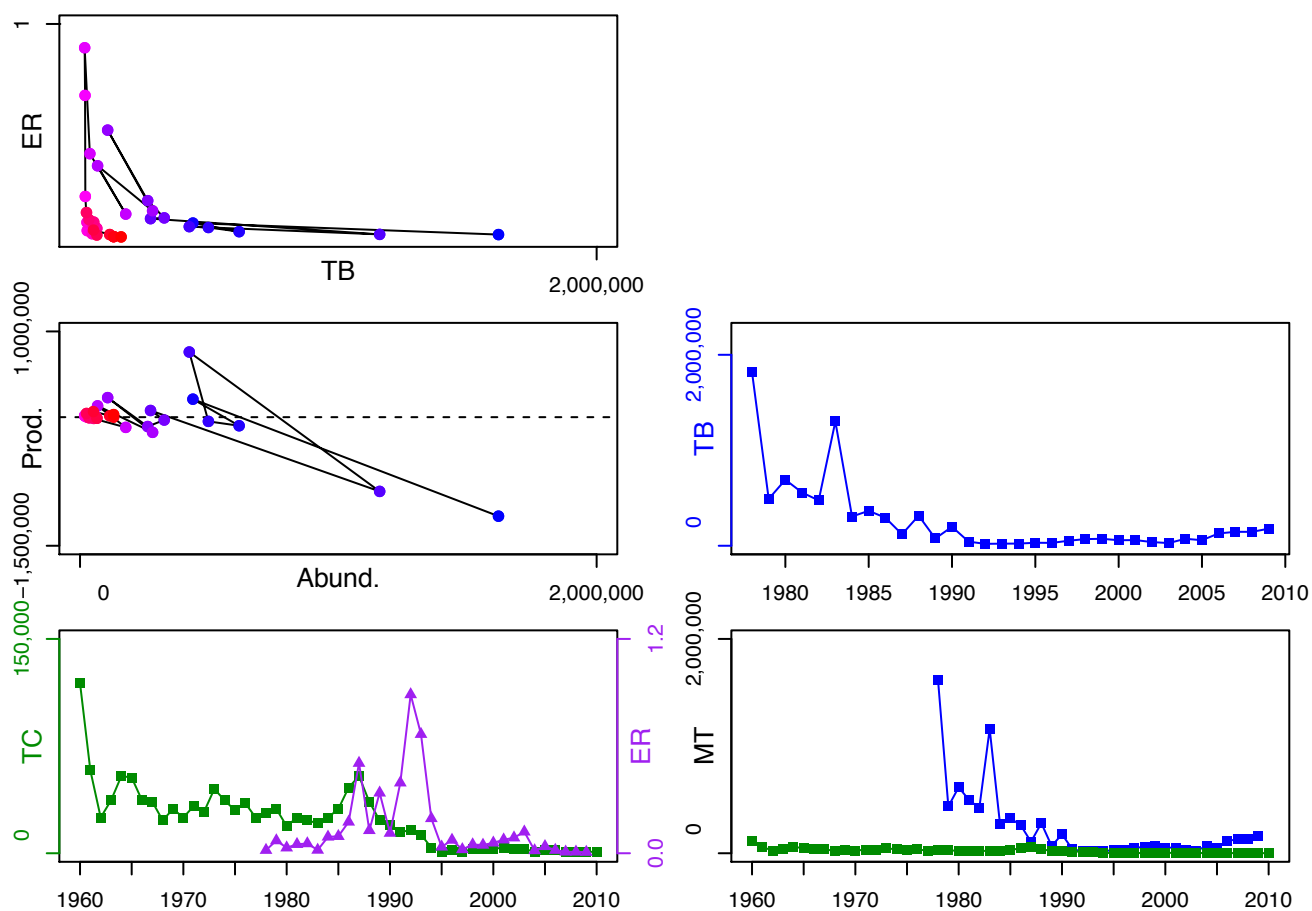
Deepwater redfish NAFO-2J3K-3LNO

Metadata	
Scientific Name	Sebastes mentella
Common Name	Deepwater redfish
Stock ID	REDDEEP2J3K-3LNO
Assess ID	DFO-REDDEEP2J3K-3LNO-1960-2010-WATSON
Region	Canada East
Area	NAFO Divisions 2J3K-3LNO
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1960-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	-	
Value	22,000	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	159,000	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	1000	-	-	0.01
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Deepwater redfish NAFO-2J3K-3LNO



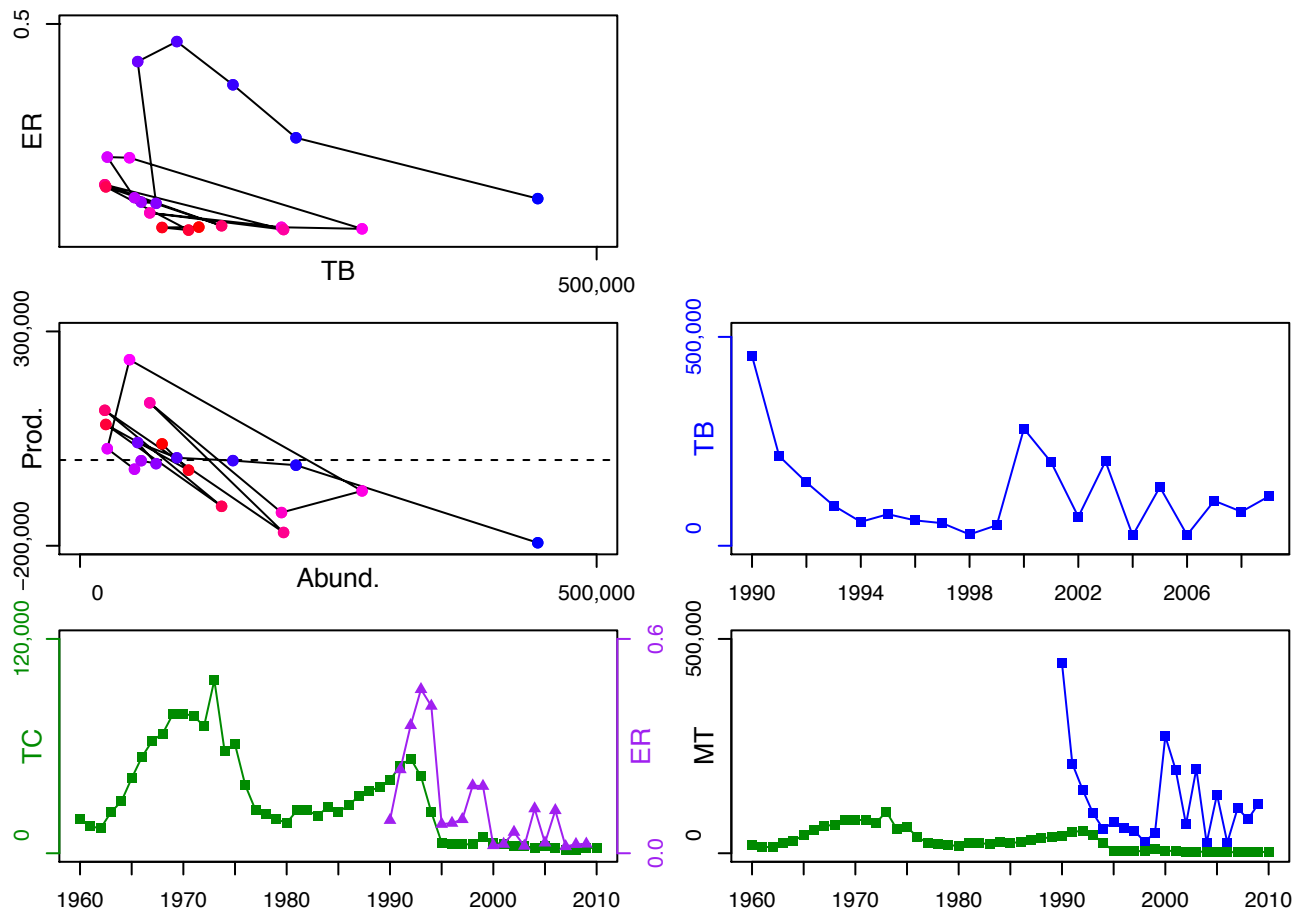
Deepwater redfish Units 1-2

Metadata	
Scientific Name	Sebastes mentella
Common Name	Deepwater redfish
Stock ID	REDDEEPUT12
Assess ID	DFO-REDDEEPUT12-1960-2010-WATSON
Region	Canada East
Area	Units 1 and 2
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1960-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	-	
Value	21,000	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	115,000	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	3000	-	-	0.03
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Deepwater redfish Units 1-2



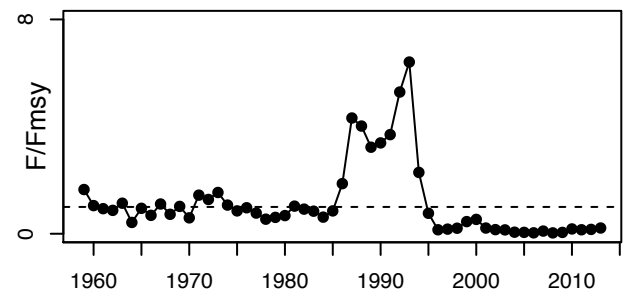
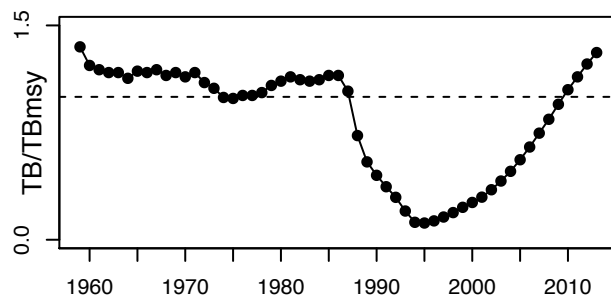
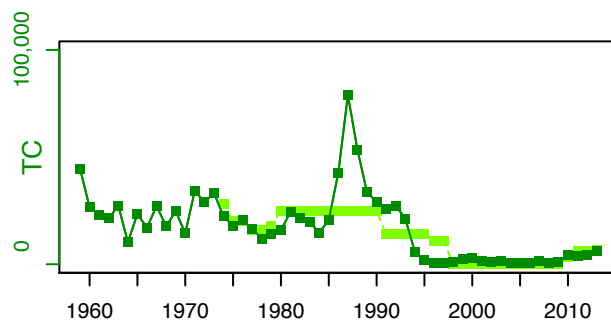
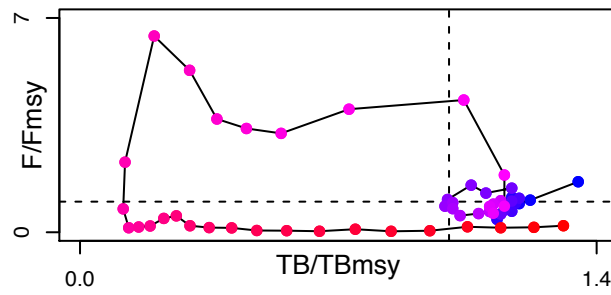
Redfish species NAFO 3LN

Metadata	
Scientific Name	Sebastes spp
Common Name	Redfish species
Stock ID	REDFISHSPP3LN
Assess ID	NAFO-SC-REDFISHSPP3LN-1959-2013-WATSON
Region	Canada East
Area	N and SW Grand Banks
Management Authority	Northwest Atlantic Fisheries Organization
Assessor	NAFO Scientific Council
Years	1959-2013

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	-
Current Value	6000	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	1.31	-	0.21	-

Redfish species NAFO 3LN



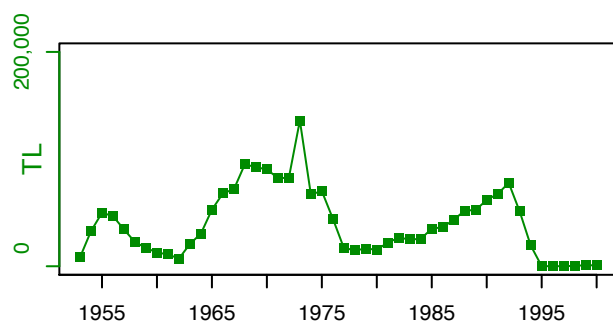
Redfish species NAFO 3Pn4RSTVn

Metadata	
Scientific Name	Sebastes spp
Common Name	Redfish species
Stock ID	REDFISHSPP3Pn4RSTVn
Assess ID	DFO-QUE-REDFISHSPP3Pn4RSTVn-1953-2000-PREFONTAINE
Region	Canada East
Area	Gulf of St. Lawrence and Cabot Strait
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Quebec Region
Years	1953-2000

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	764	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Redfish species NAFO 3Pn4RSTVn



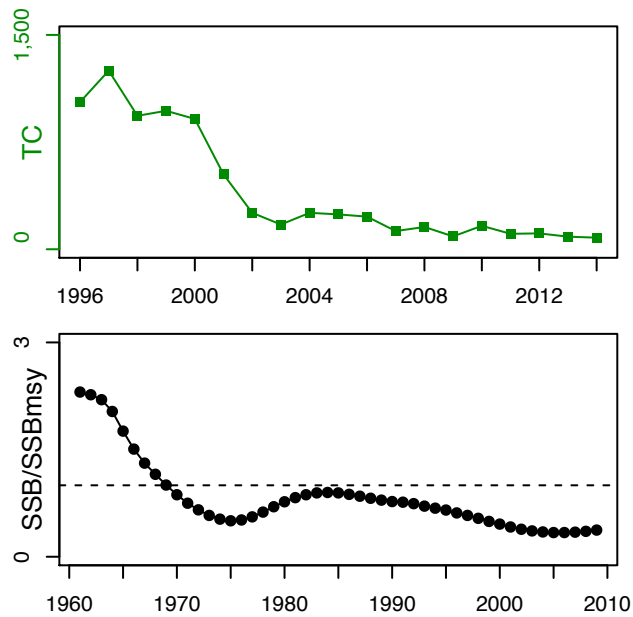
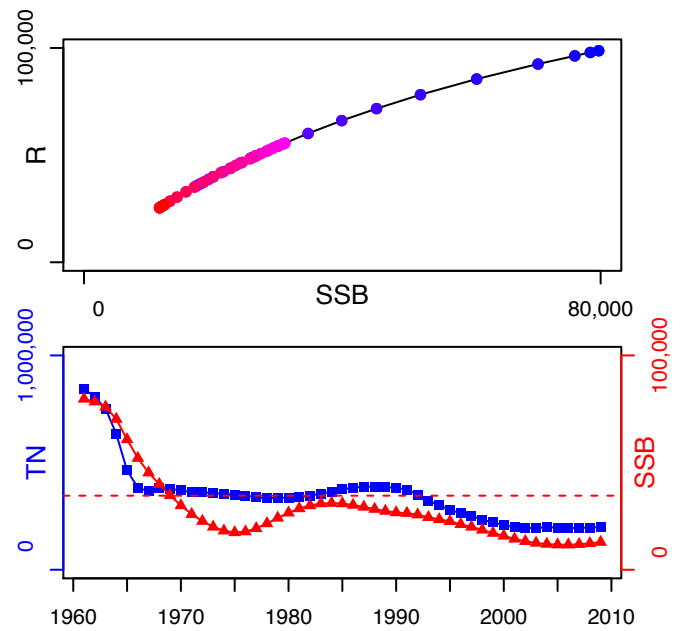
Porbeagle shark Atlantic Ocean

Metadata	
Scientific Name	Lamna nasus
Common Name	Porbeagle shark
Stock ID	PORSHARATL
Assess ID	DFO-PORSHARATL-1960-2014-OSGOOD
Region	Canada East
Area	Canadian Atlantic Ocean
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1960-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	No.	-	-	-
Value	-	34,573	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	1/yr	
Value	-	-	-	0.2	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	No.	No.	No.
Current Value	-	12,900	199,000	26,500
Time Series	TC	TL	F	U
Unit	MT	MT	-	-
Current Value	81	9	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	0.37	-	-

Porbeagle shark Atlantic Ocean



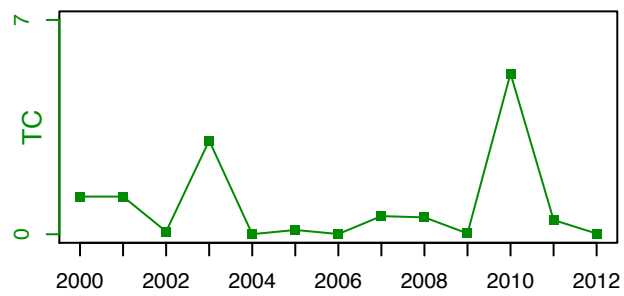
Smooth skate NAFO-2J3K

Metadata	
Scientific Name	Malacoraja senta
Common Name	Smooth skate
Stock ID	SMOOTHSKA2J3K
Assess ID	DFO-NFLD-SMOOTHSKA2J3K-1981-2012-OSGOOD
Region	Canada East
Area	NAFO Division 2J3K
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Newfoundland Region
Years	1981-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	-
Current Value	0	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Smooth skate NAFO-2J3K



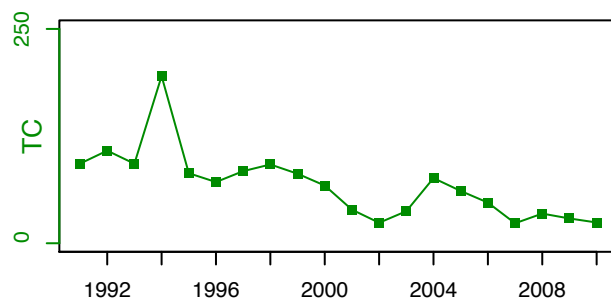
Smooth skate Southern Gulf of St. Lawrence

Metadata	
Scientific Name	Malacoraja senta
Common Name	Smooth skate
Stock ID	SMOOTHSKA4T
Assess ID	DFO-NFLD-SMOOTHSKA4T-1971-2010-OSGOOD
Region	Canada East
Area	Southern Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Newfoundland Region
Years	1971-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	-	
Value	120	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	MT	-	-
Current Value	24	1	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Smooth skate Southern Gulf of St. Lawrence



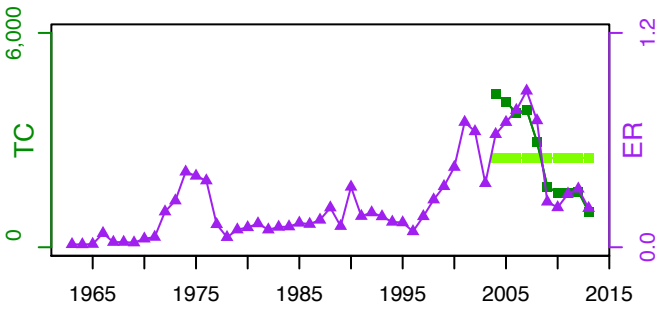
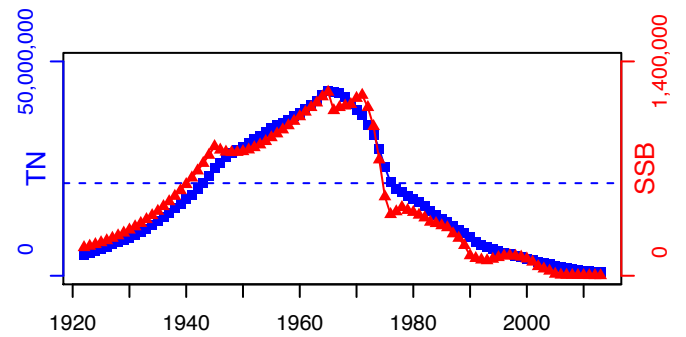
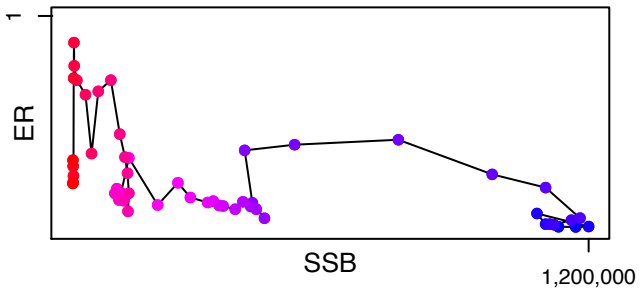
Spiny dogfish Scotian Shelf, Bay of Fundy and Georges Bank

Metadata	
Scientific Name	Squalus acanthias
Common Name	Spiny dogfish
Stock ID	SDOG4VWX5
Assess ID	DFO-MAR-SDOG4VWX5-1922-2013-OSGOOD
Region	Canada East
Area	Scotian Shelf, Bay of Fundy and Georges Bank
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Maritimes Region
Years	1922-2013

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	No.	-	-
Value	-	-	21,600,000	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	1/yr	
Value	742	-	-	0.1	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	No.	No.	-
Current Value	-	1790	792,000	-
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	993	-	-	0.22
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Spiny dogfish Scotian Shelf, Bay of Fundy and Georges Bank



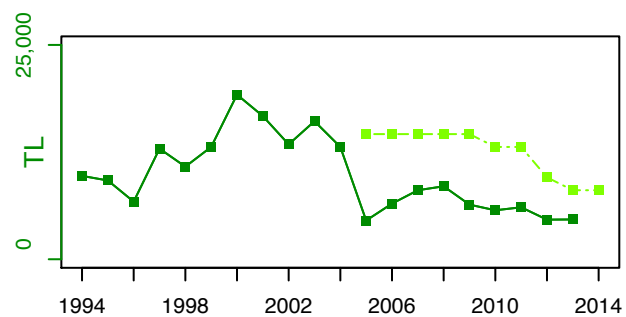
Thorny skate NAFO-3LNOPs

Metadata	
Scientific Name	Amblyraja radiata
Common Name	Thorny skate
Stock ID	TSKA3LNOPs
Assess ID	NAFO-SC-TSKA3LNOPs-1960-2014-OSGOOD
Region	Canada East
Area	Grand Bank and St Pierre Bank
Management Authority	Northwest Atlantic Fisheries Organization
Assessor	NAFO Scientific Council
Years	1960-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	-	
Value	6653	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	Index
Current Value	-	-	-	2
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	4640	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Thorny skate NAFO-3LNOPs



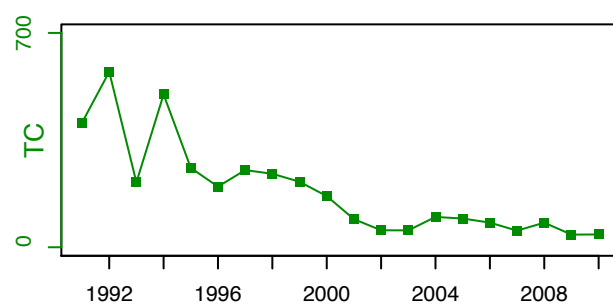
Thorny skate Southern Gulf of St. Lawrence

Metadata	
Scientific Name	Amblyraja radiata
Common Name	Thorny skate
Stock ID	TSKA4T
Assess ID	DFO-SG-TSKA4T-1971-2010-OSGOOD
Region	Canada East
Area	Southern Gulf of St. Lawrence
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Southern Gulf Region
Years	1971-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	MT	-	-
Current Value	42	1	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Thorny skate Southern Gulf of St. Lawrence



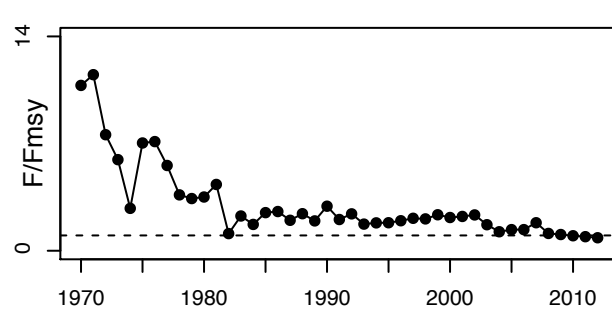
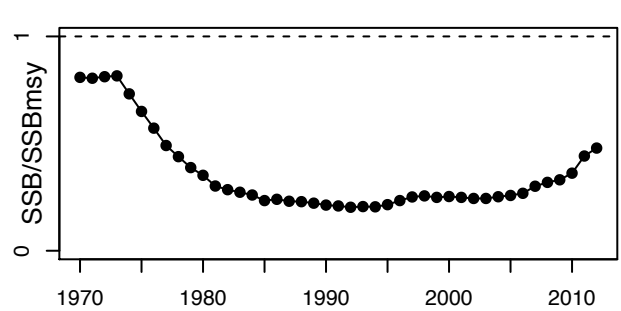
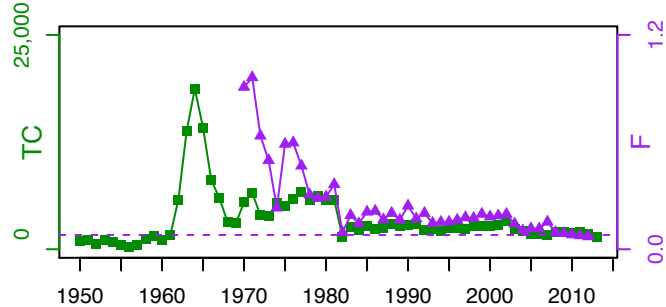
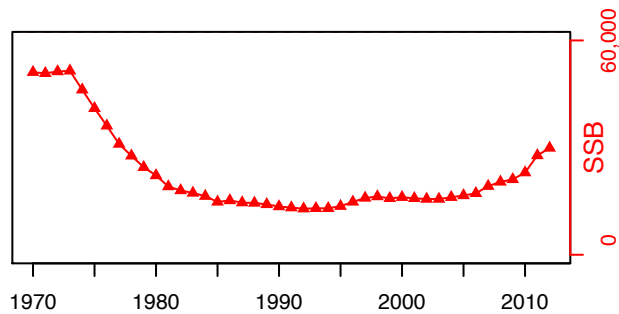
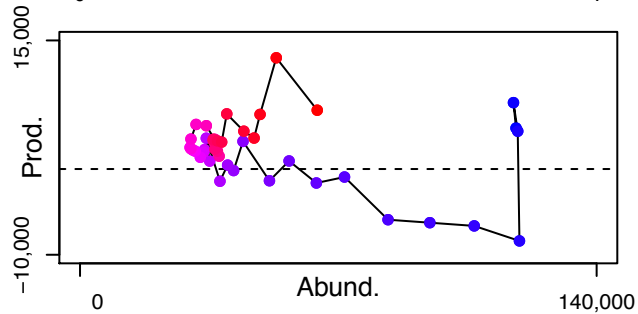
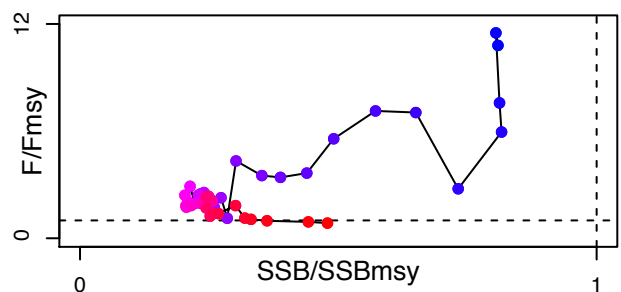
Bluefin tuna Western Atlantic

Metadata	
Scientific Name	Thunnus thynnus
Common Name	Atlantic bluefin tuna
Stock ID	ATBTUNAWATL
Assess ID	ICCAT-ATBTUNAWATL-1950-2015-PONS
Region	Canada East
Area	Western Atlantic
Management Authority	International Commission for the Conservation of Atlantic Tunas
Assessor	International Commission for the Conservation of Atlantic Tunas
Years	1950-2015

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	MT	-	-	-
Value	-	62,443	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	1/yr	-	-	
Value	5233	0.08	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	-	-
Current Value	-	29,900	-	-
Time Series	TC	TL	F	U
Unit	MT	-	1/yr	Ratio
Current Value	1480	-	0.07	0.03
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	0.48	0.85	-

Bluefin tuna Western Atlantic



Swordfish North Atlantic

Metadata	
Scientific Name	Xiphias gladius
Common Name	Swordfish
Stock ID	SWORDNATL
Assess ID	ICCAT-SWORDNATL-1950-2015-PONS
Region	Canada East
Area	Northern Atlantic
Management Authority	International Commission for the Conservation of Atlantic Tunas
Assessor	International Commission for the Conservation of Atlantic Tunas
Years	1950-2015

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	MT	-	-	-	-
Value	65,060	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	1/yr	-	-	
Value	13,700	0.21	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	73,900	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	1/yr	Ratio
Current Value	12,000	-	0.17	0.19
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	1.14	-	0.81	-

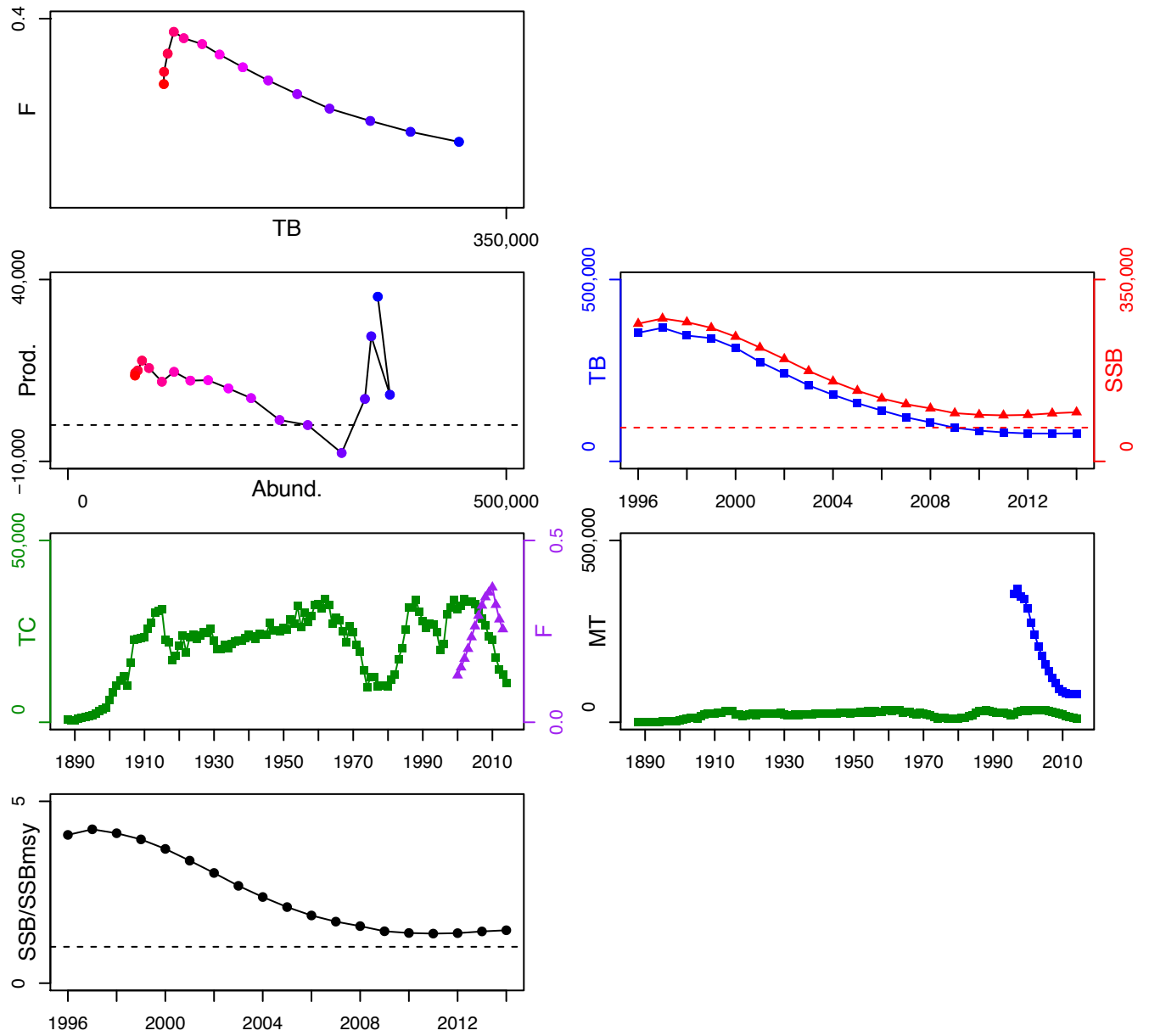
Pacific halibut North Pacific

Metadata	
Scientific Name	Hippoglossus stenolepis
Common Name	Pacific halibut
Stock ID	PHALNPAC
Assess ID	IPHC-PHALNPAC-1888-2014-HIVELY
Region	Canada West
Area	North Pacific
Management Authority	International Pacific Halibut Commission
Assessor	International Pacific Halibut Commission
Years	1888-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	MT	-	-	-
Value	-	65,004	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	1/yr	-	-	
Value	-	0.2	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	-	-
Current Value	76,975	94,600	-	-
Time Series	TC	TL	F	U
Unit	MT	-	1/yr	Ratio
Current Value	10,700	-	0.26	0.14
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	1.46	1.28	-

Pacific halibut North Pacific



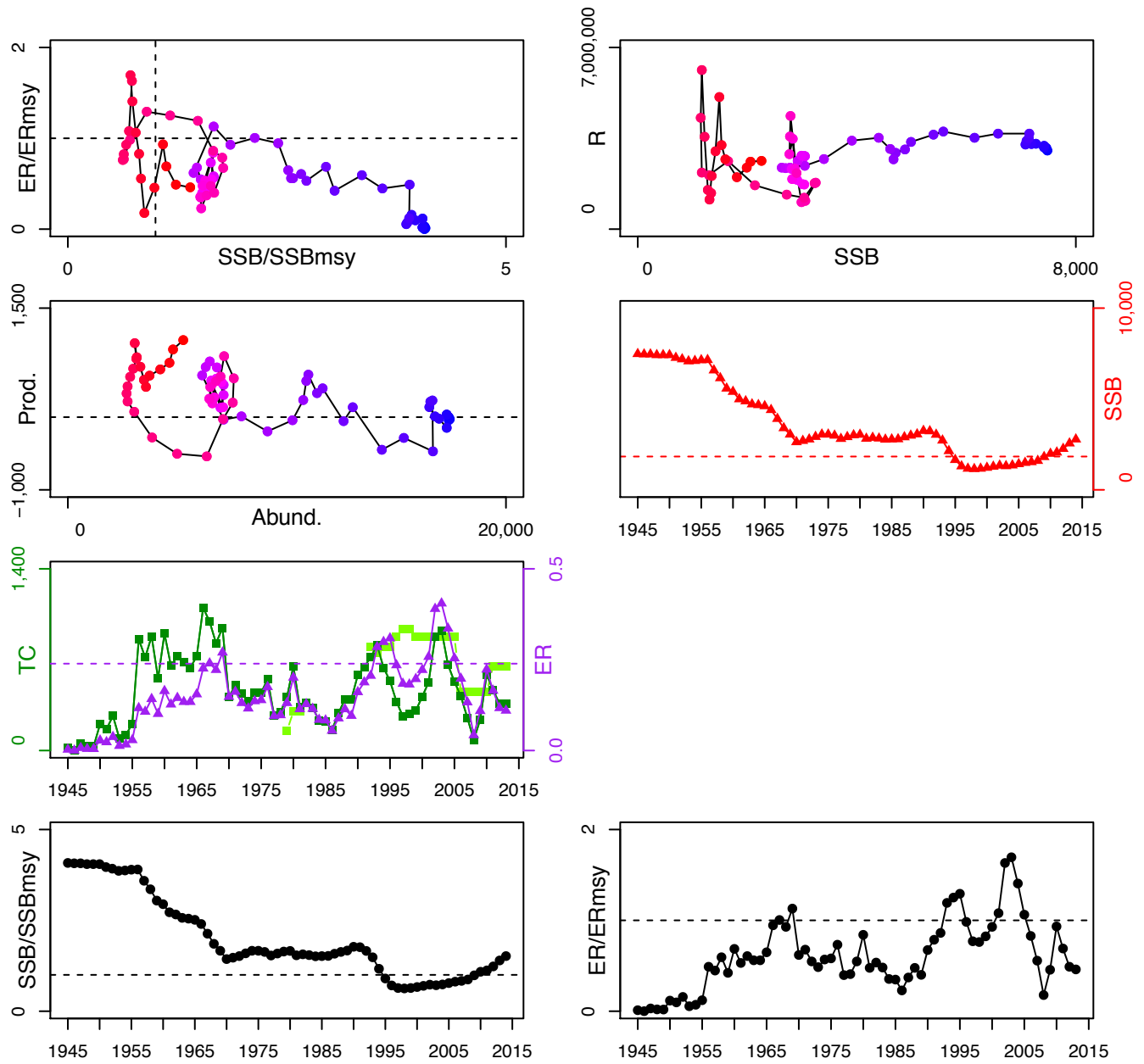
Rock sole Queen Charlotte Sound

Metadata	
Scientific Name	Lepidopsetta bilineata
Common Name	Rock sole
Stock ID	RSOLE5AB
Assess ID	DFO-PAC-RSOLE5AB-1944-2014-OSGOOD
Region	Canada West
Area	Queen Charlotte Sound
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Years	1944-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	MT	-	-	MT
Value	-	1833	-	-	7479
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	Ratio	1/yr	
Value	524	-	0.24	0.25	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	-	No.
Current Value	-	2780	-	2,630,000
Time Series	TC	TL	F	U
Unit	MT	MT	-	Ratio
Current Value	362	337	-	0.11
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	1.52	-	0.46

Rock sole Queen Charlotte Sound



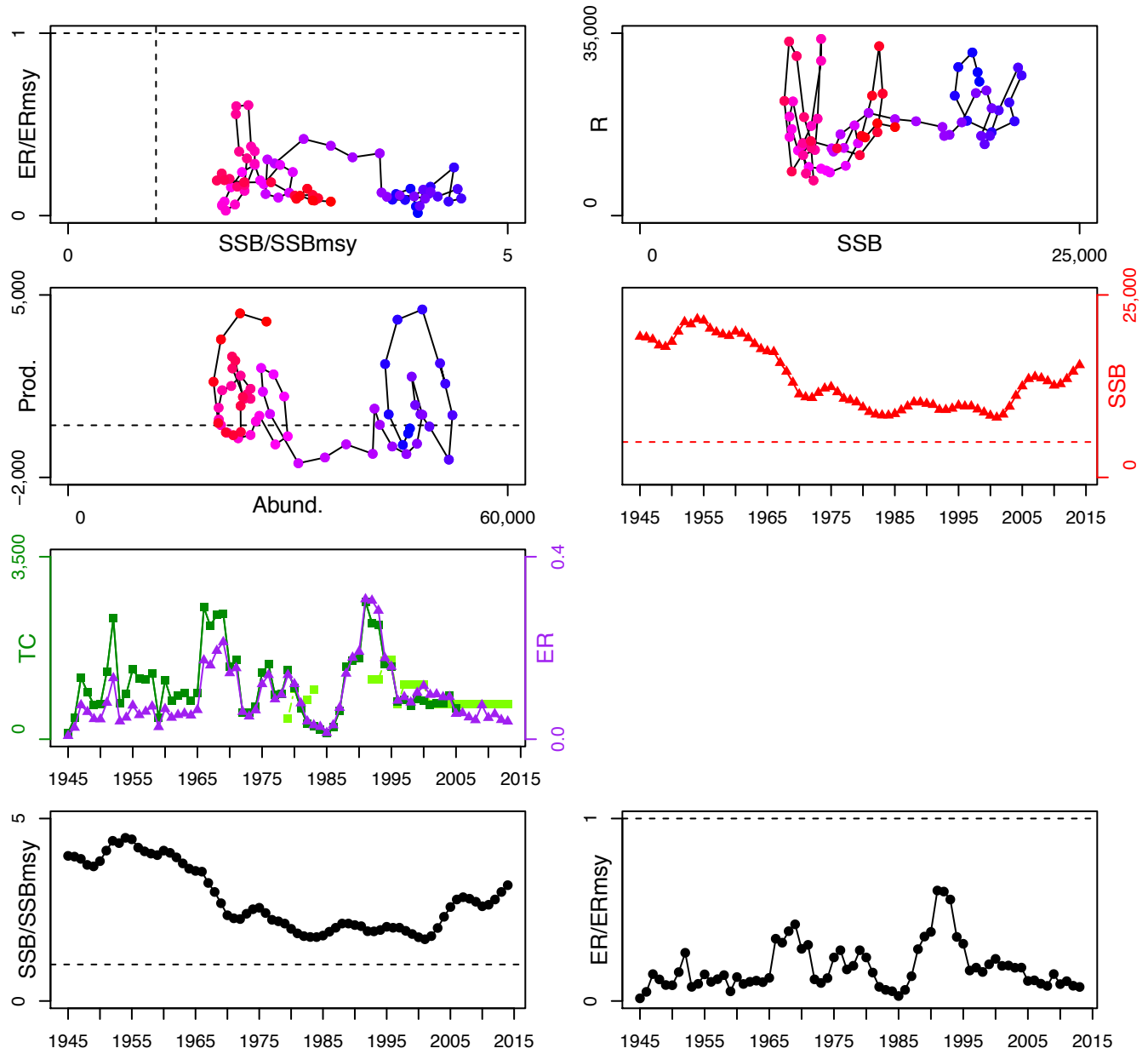
Rock sole Hecate Strait

Metadata	
Scientific Name	Lepidopsetta bilineata
Common Name	Rock sole
Stock ID	RSOLEHSTR
Assess ID	DFO-PAC-RSOLEHSTR-1945-2014-OSGOOD
Region	Canada West
Area	Hecate Strait
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Years	1945-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	MT	-	-	MT
Value	-	4853	-	-	19,329
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	Ratio	1/yr	
Value	1895	-	0.51	0.25	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	-	No.
Current Value	-	15,400	-	17,000
Time Series	TC	TL	F	U
Unit	MT	MT	-	Ratio
Current Value	594	500	-	0.04
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	3.17	-	0.08

Rock sole Hecate Strait



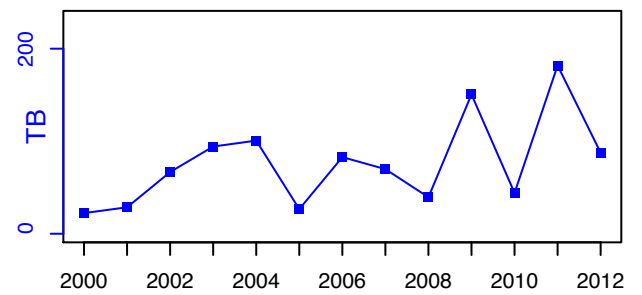
Eulachon Pacific Coast of Canada Central Coast DU

Metadata	
Scientific Name	Thaleichthys pacificus
Common Name	Eulachon
Stock ID	EULAPCOASTCCDU
Assess ID	DFO-EULAPCOASTCCDU-1951-2012-WATSON
Region	Canada West
Area	Pacific Coast of Canada Central Coast Designatable Unit
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1951-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	Index	-
Current Value	76	-	14	-
Time Series	TC	TL	F	U
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Eulachon Pacific Coast of Canada Central Coast DU



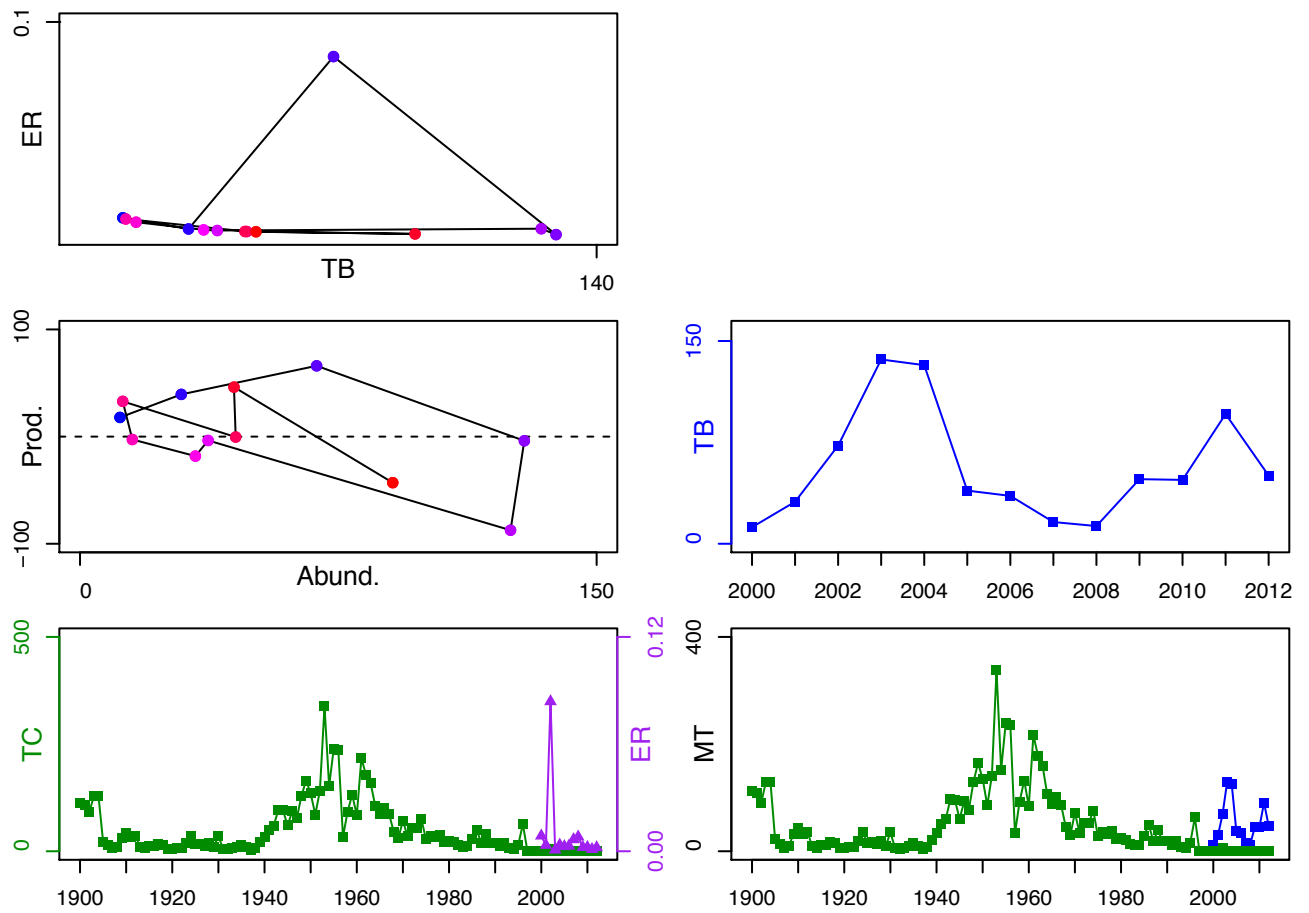
Eulachon Pacific Coast of Canada Fraser River DU

Metadata	
Scientific Name	Thaleichthys pacificus
Common Name	Eulachon
Stock ID	EULAPCOASTFRDU
Assess ID	DFO-EULAPCOASTFRDU-1900-2012-WATSON
Region	Canada West
Area	Pacific Coast of Canada Fraser River Designatable Unit
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1900-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	-	
Value	112	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	Index	-
Current Value	48	-	6	-
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	0	-	-	0
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Eulachon Pacific Coast of Canada Fraser River DU



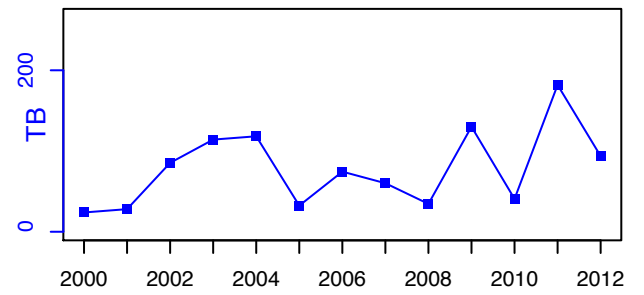
Eulachon Pacific Coast of Canada Nass / Skeena DU

Metadata	
Scientific Name	Thaleichthys pacificus
Common Name	Eulachon
Stock ID	EULAPCOASTNSDU
Assess ID	DFO-EULAPCOASTNSDU-1951-2012-WATSON
Region	Canada West
Area	Pacific Coast of Canada Nass / Skeena Designatable Unit
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1951-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	Index	-
Current Value	71	-	36	-
Time Series	TC	TL	F	U
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Eulachon Pacific Coast of Canada Nass / Skeena DU



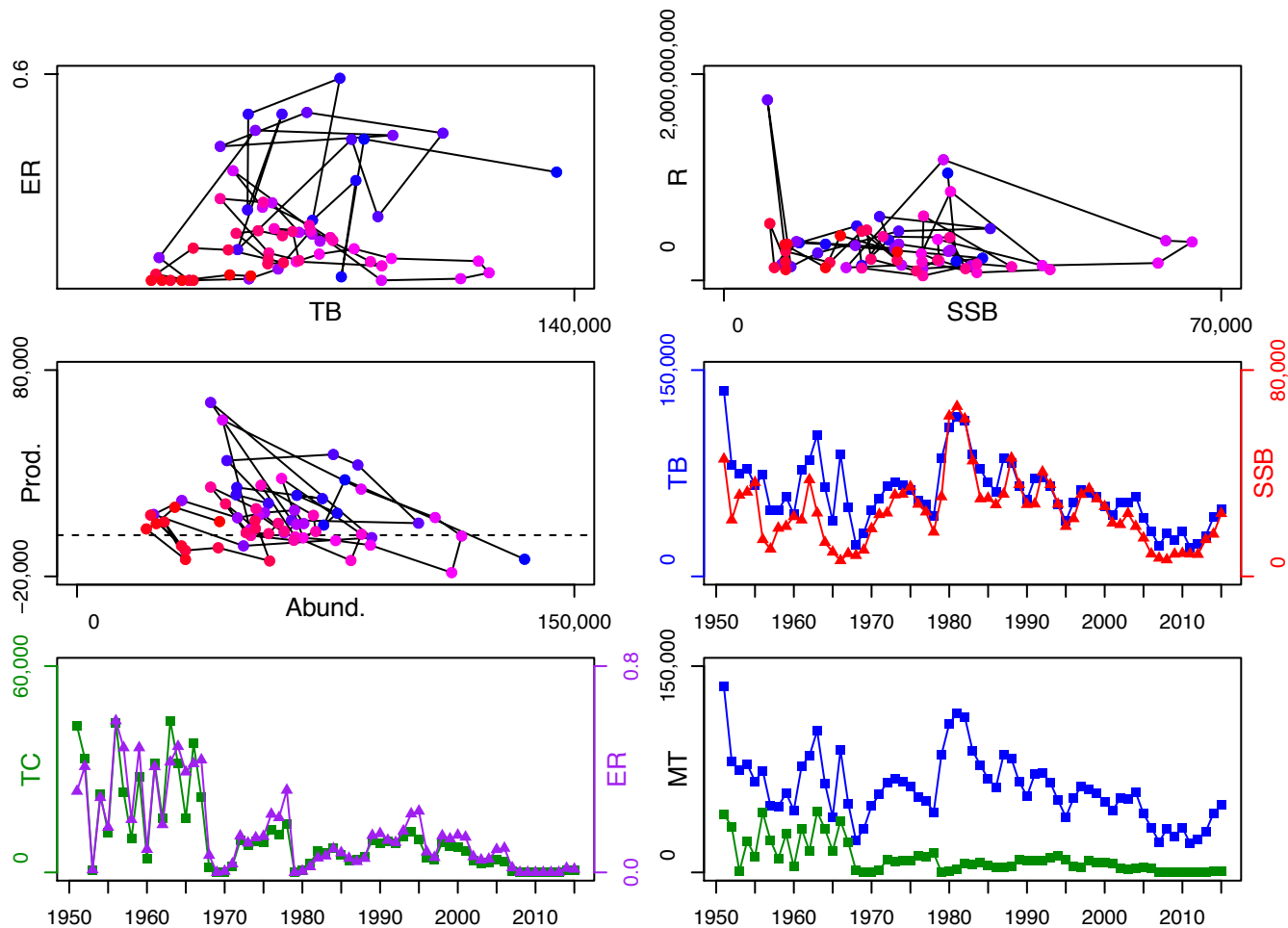
Pacific herring Central Coast

Metadata	
Scientific Name	Clupea pallasii
Common Name	Pacific herring
Stock ID	HERRCC
Assess ID	DFO-HERRCC-1951-2015-WATSON
Region	Canada West
Area	Central Coast
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1951-2015

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	-	No.
Current Value	48,900	24,400	-	2.78×10^8
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	626	-	-	0.01
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Pacific herring Central Coast



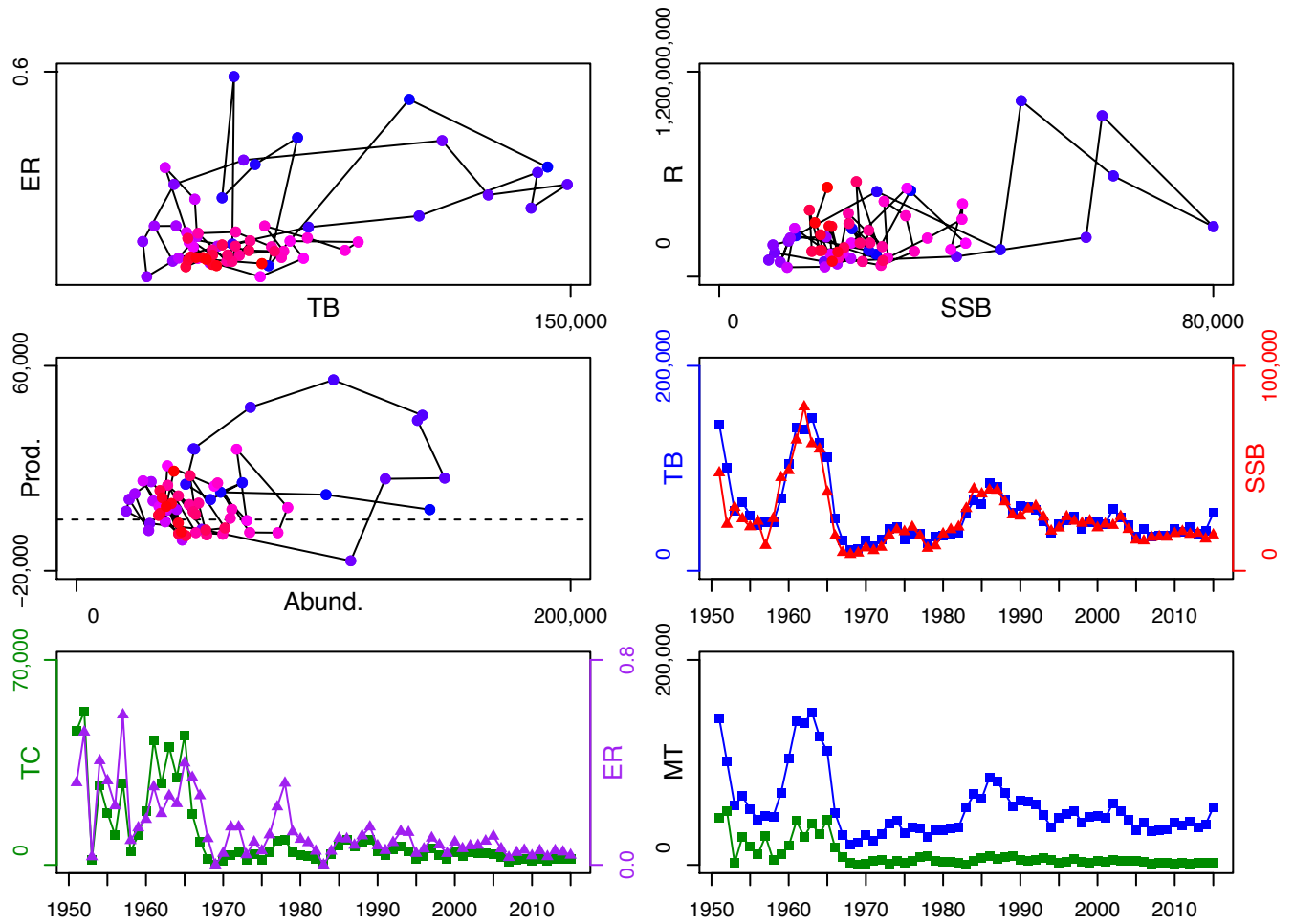
Pacific herring Prince Rupert District

Metadata	
Scientific Name	Clupea pallasii
Common Name	Pacific herring
Stock ID	HERRPRD
Assess ID	DFO-HERRPRD-1951-2015-WATSON
Region	Canada West
Area	Prince Rupert District
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1951-2015

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	-	No.
Current Value	56,300	17,500	-	5.23×10^8
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	2160	-	-	0.04
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Pacific herring Prince Rupert District



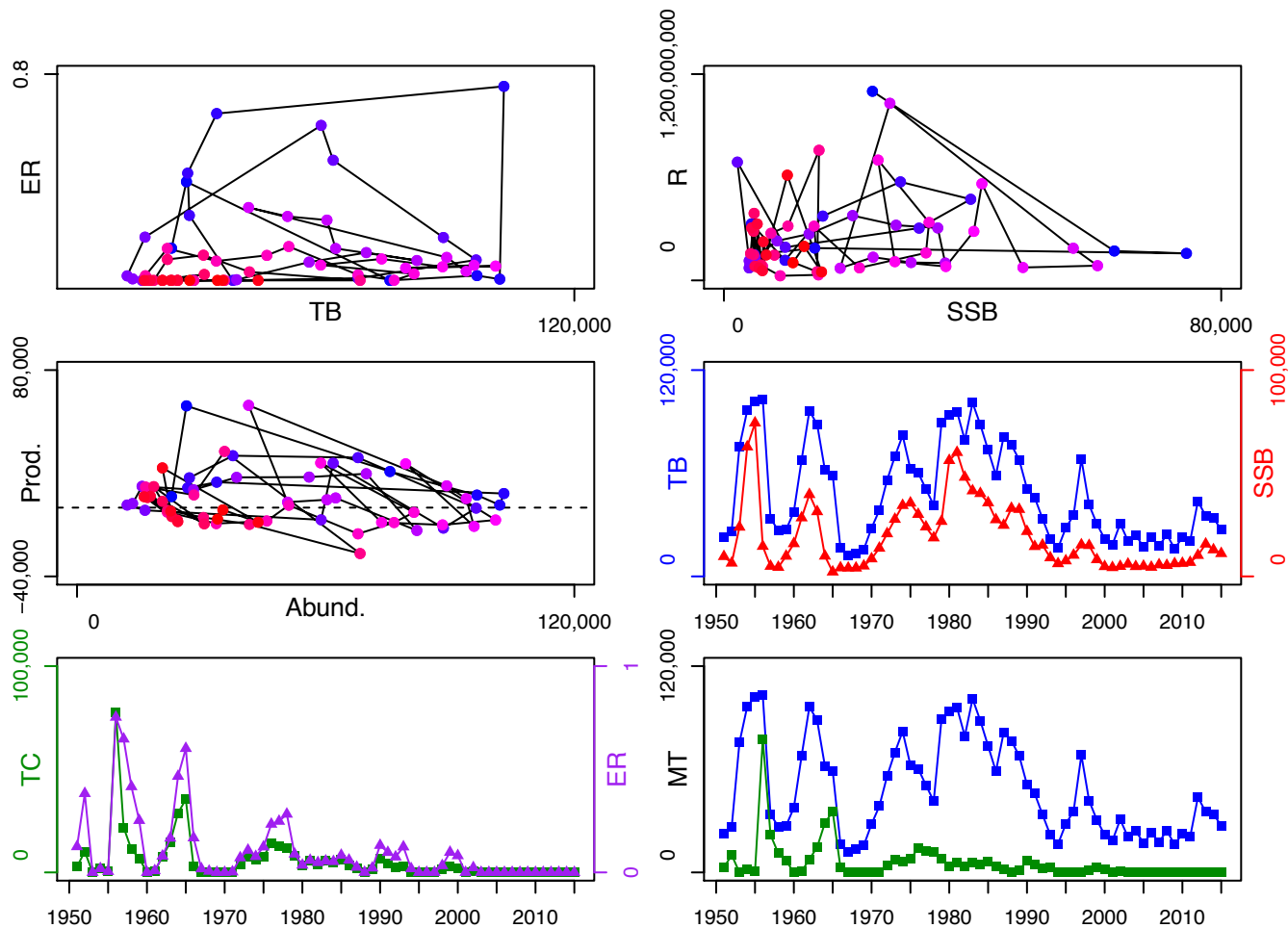
Pacific herring Queen Charlotte Islands

Metadata	
Scientific Name	Clupea pallasii
Common Name	Pacific herring
Stock ID	HERRQCI
Assess ID	DFO-HERRQCI-1951-2015-WATSON
Region	Canada West
Area	Queen Charlotte Islands
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1951-2015

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	-	No.
Current Value	27,200	11,100	-	1.03×10^8
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	0	-	-	0
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Pacific herring Queen Charlotte Islands



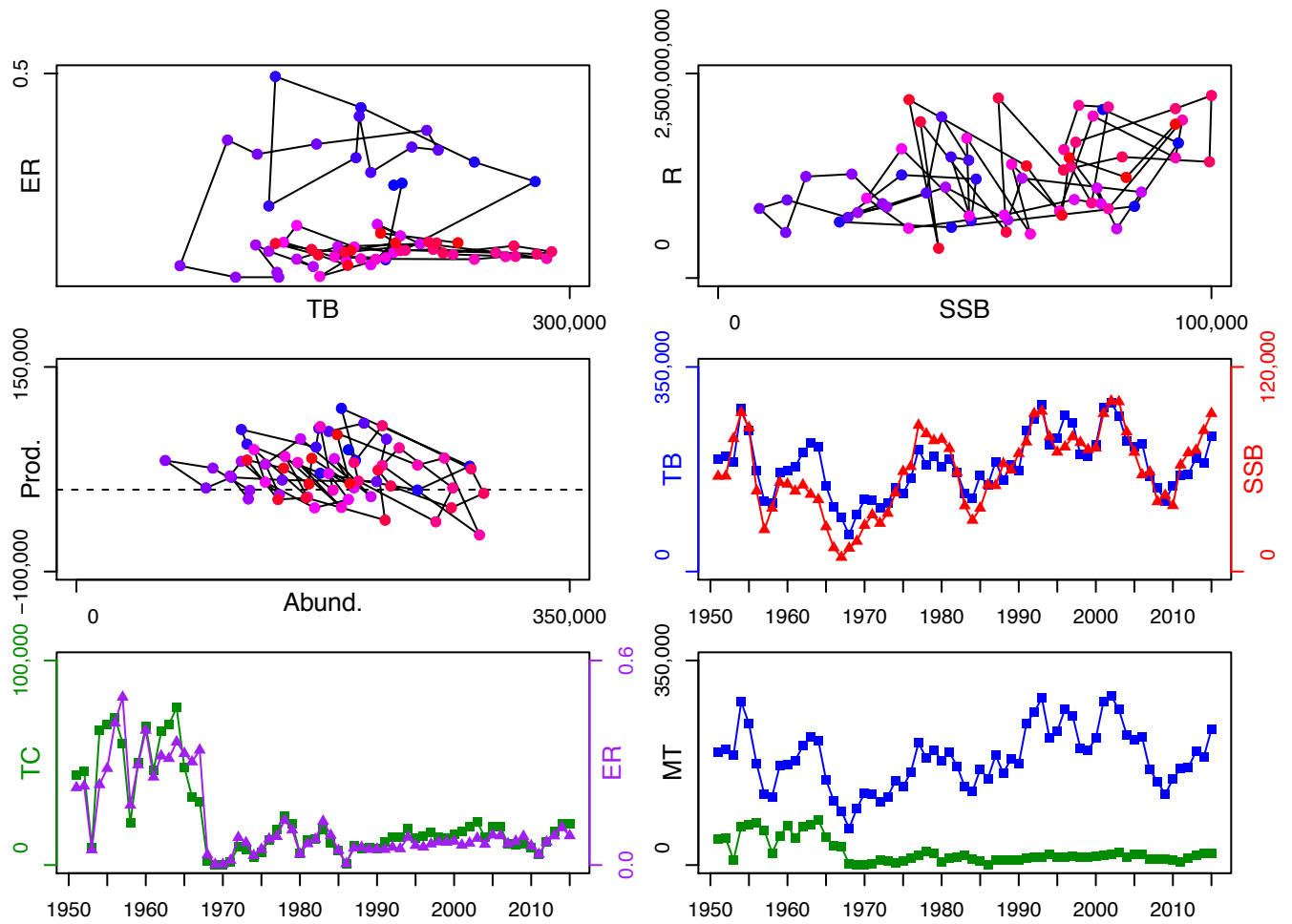
Pacific herring Strait of Georgia

Metadata	
Scientific Name	Clupea pallasii
Common Name	Pacific herring
Stock ID	HERRSOG
Assess ID	DFO-HERRSOG-1951-2015-WATSON
Region	Canada West
Area	Straight of Georgia
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1951-2015

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	-	No.
Current Value	232,000	92,700	-	1.88×10^9
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	20,000	-	-	0.09
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Pacific herring Straight of Georgia



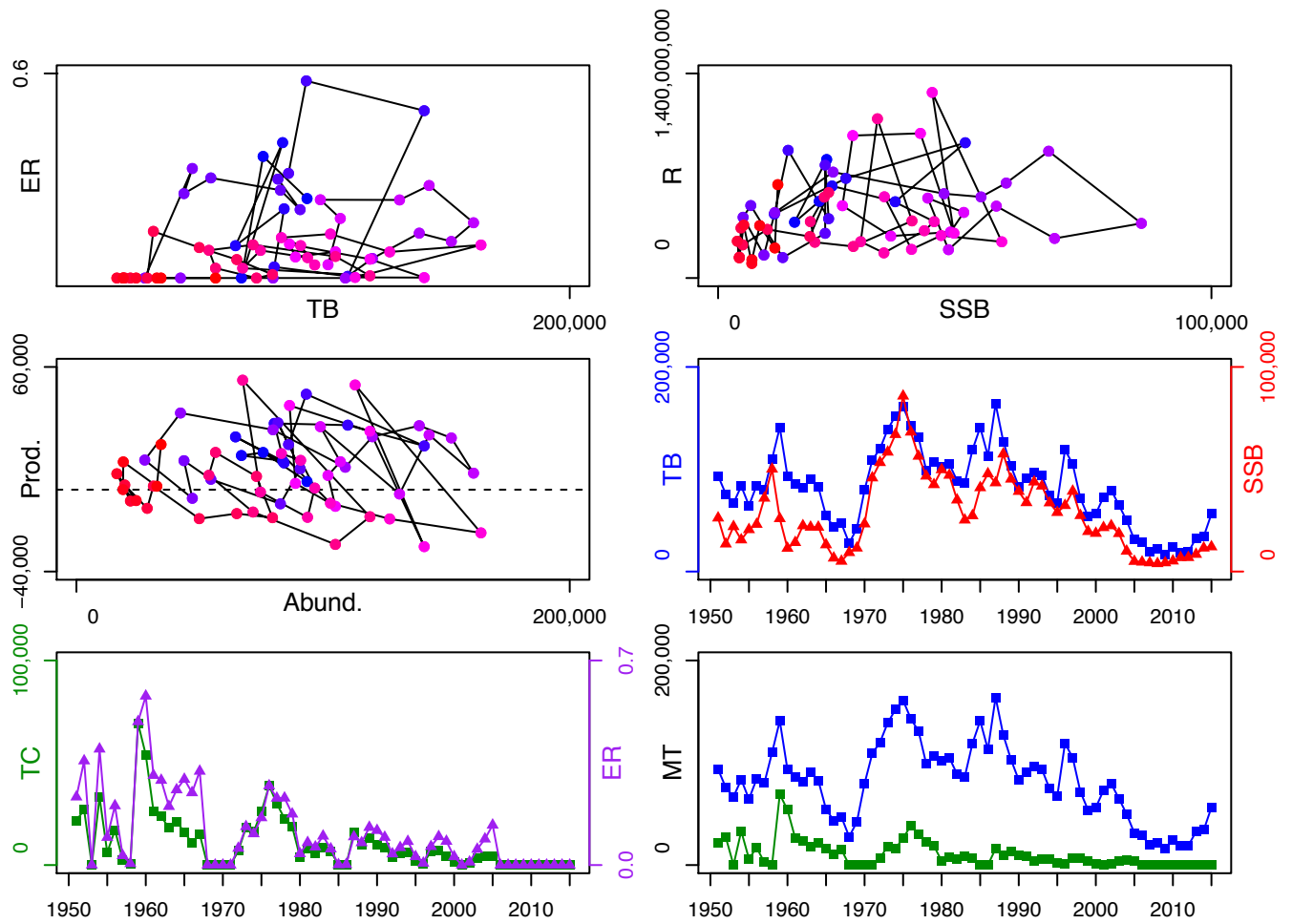
Pacific herring West Coast of Vancouver Island

Metadata	
Scientific Name	Clupea pallasii
Common Name	Pacific herring
Stock ID	HERRWCVANI
Assess ID	DFO-HERRWCVANI-1951-2015-WATSON
Region	Canada West
Area	West Coast of Vancouver Island
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1951-2015

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	-	No.
Current Value	56,400	12,100	-	6.39×10^8
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	0	-	-	0
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Pacific herring West Coast of Vancouver Island



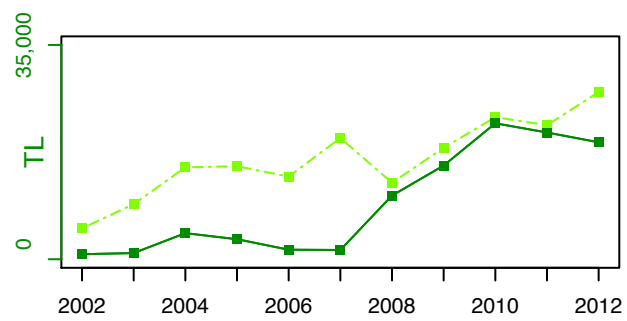
Pacific sardine British Columbia

Metadata	
Scientific Name	Sardinops sagax
Common Name	Pacific sardine
Stock ID	SARDBC
Assess ID	DFO-PAC-SARDBC-2002-2012-OSGOOD
Region	Canada West
Area	Pacific Coast of Canada
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Years	2002-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	-
Current Value	-	19,100	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Pacific sardine British Columbia



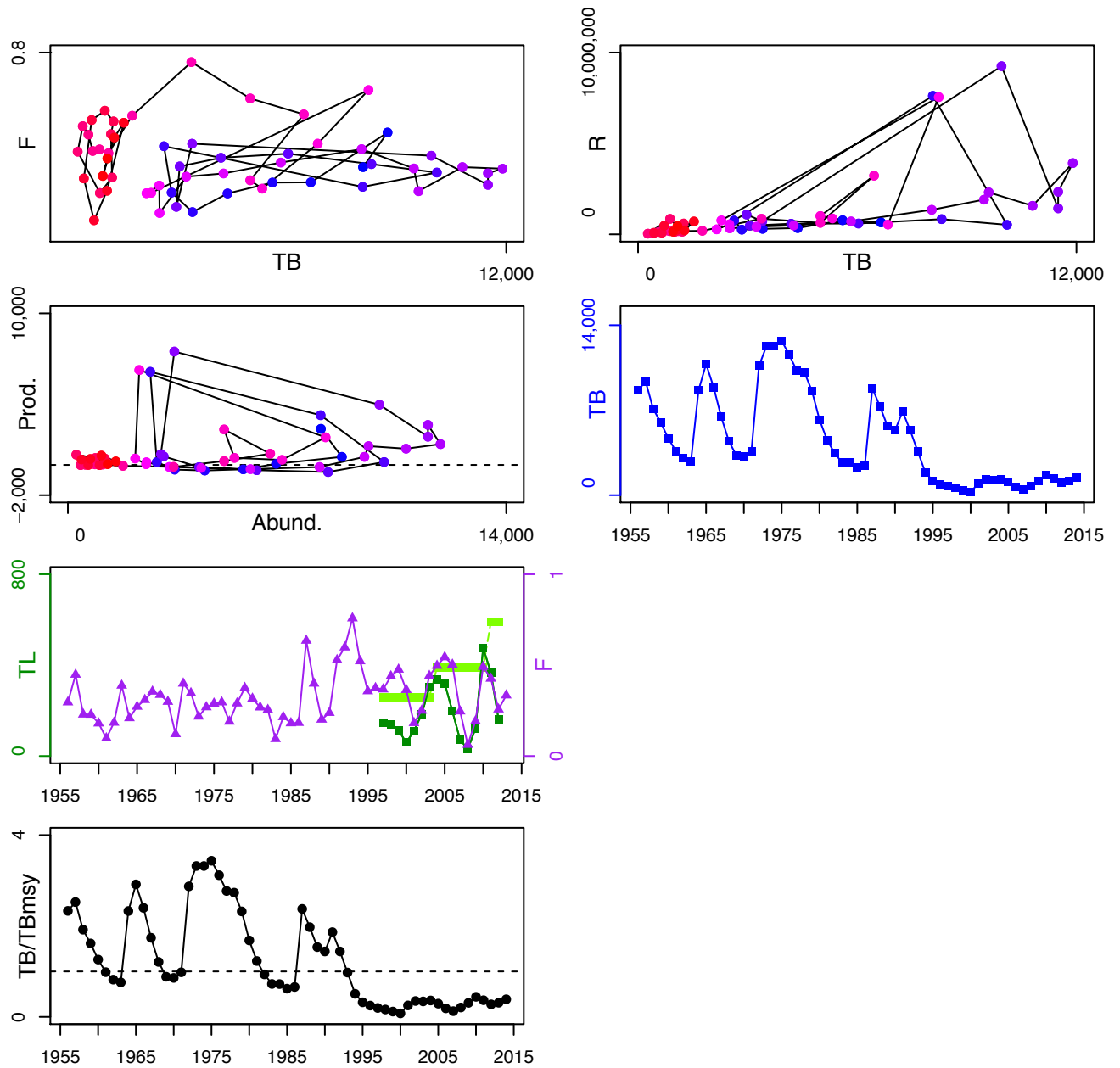
Pacific cod Queen Charlotte Sound

Metadata	
Scientific Name	Gadus macrocephalus
Common Name	Pacific cod
Stock ID	PCOD5AB
Assess ID	DFO-PAC-PCOD5AB-1945-2014-OSGOOD
Region	Canada West
Area	Queen Charlotte Sound
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Years	1945-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	MT	-
Value	-	-	-	9416	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	1/yr	
Value	763	-	-	0.43	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	No.
Current Value	1340	-	-	459,000
Time Series	TC	TL	F	U
Unit	MT	-	1/yr	Ratio
Current Value	178	-	0.33	0.19
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	0.39	-	-	-

Pacific cod Queen Charlotte Sound



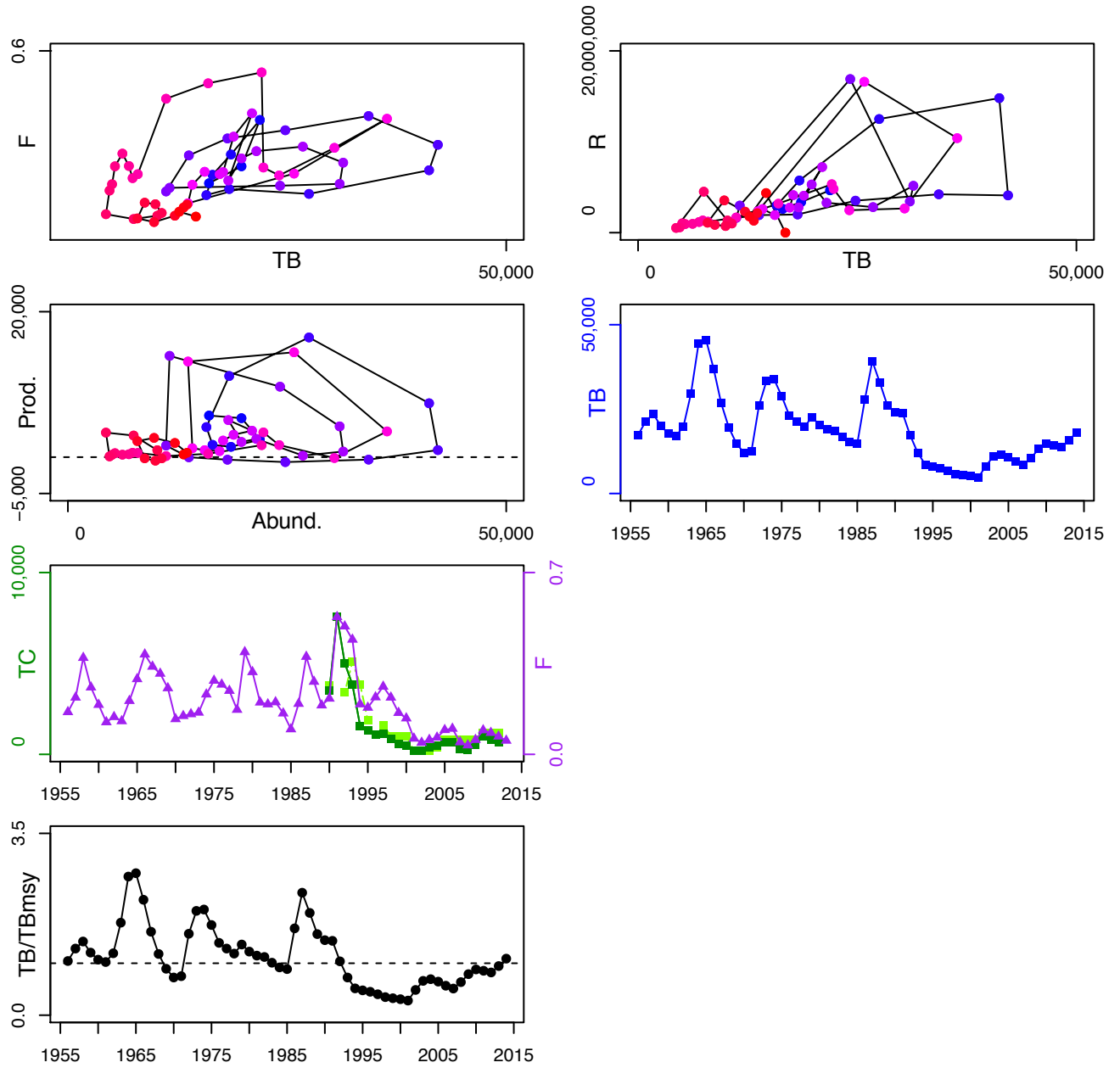
Pacific cod Hecate Strait

Metadata	
Scientific Name	Gadus macrocephalus
Common Name	Pacific cod
Stock ID	PCODHS
Assess ID	DFO-PAC-PCODHS-1944-2014-OSGOOD
Region	Canada West
Area	Hecate Strait
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Years	1944-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	MT	-
Value	-	-	-	41,949	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	1/yr	
Value	3313	-	-	0.39	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	No.
Current Value	16,800	-	-	0
Time Series	TC	TL	F	U
Unit	MT	-	1/yr	Ratio
Current Value	701	-	0.05	0.06
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	1.09	-	-	-

Pacific cod Hecate Strait



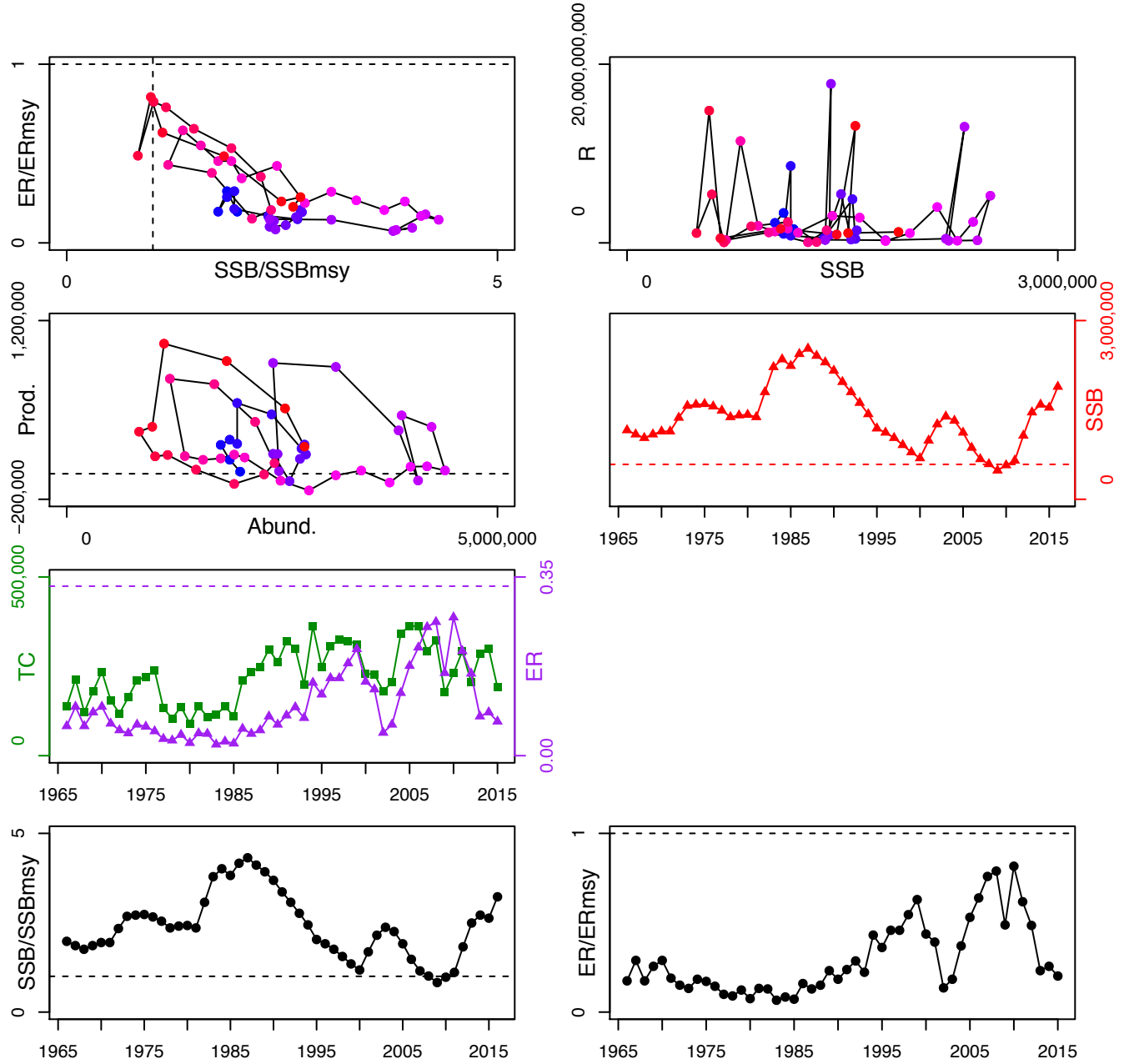
Pacific hake Pacific Coast

Metadata	
Scientific Name	Merluccius productus
Common Name	Pacific hake
Stock ID	PHAKEPCOAST
Assess ID	PFMC-PHAKEPCOAST-1966-2016-WATSON
Region	Canada West
Area	Pacific Coast
Management Authority	National Marine Fisheries Service, US national management
Assessor	Pacific Fishery Management Council
Years	1966-2016

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	MT	-	-	MT
Value	-	586,000	-	-	2,397,000
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	Ratio	1/yr	
Value	406,000	-	0.33	0.23	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	-	No.
Current Value	-	1,890,000	-	1.22×10^9
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	191,000	-	-	0.07
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	3.23	-	0.2

Pacific hake Pacific Coast



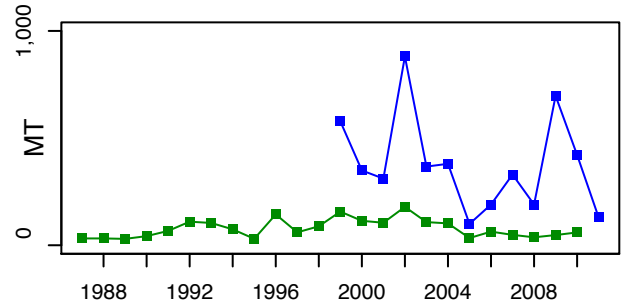
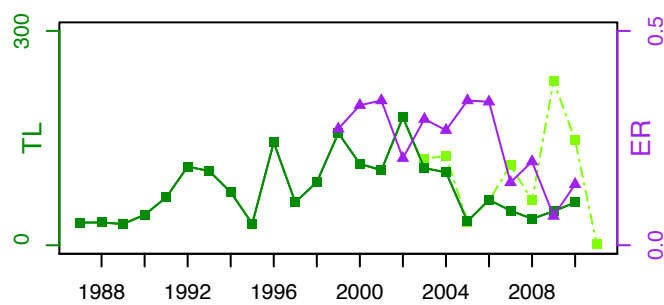
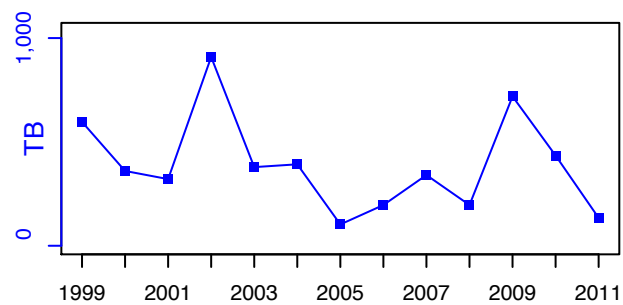
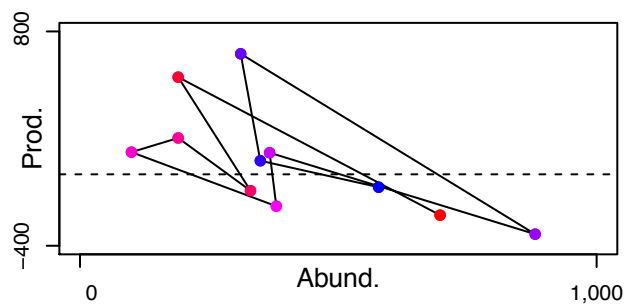
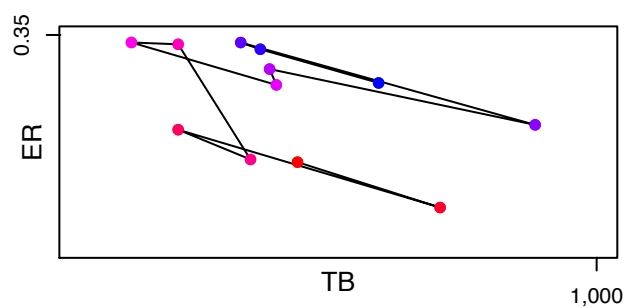
Northern shrimp SMA 14

Metadata	
Scientific Name	Pandalus borealis
Common Name	Northern shrimp
Stock ID	PANDALSMA14
Assess ID	DFO-PANDALSMA14-1987-2011-WATSON
Region	Canada West
Area	Shrimp Management Area 14
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1987-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	130	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	60	-	0.14
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Northern shrimp SMA 14



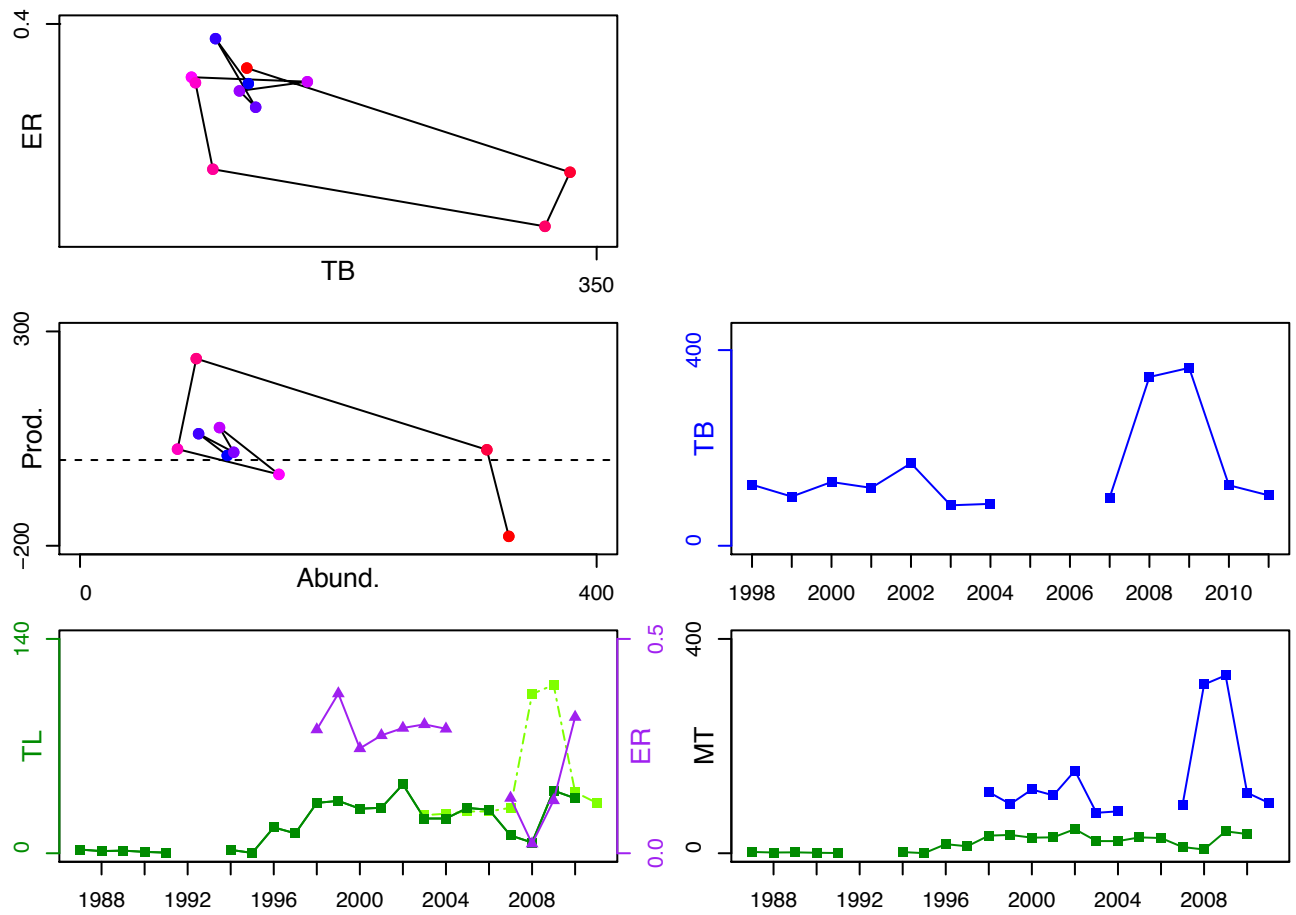
Northern shrimp SMA 16

Metadata	
Scientific Name	Pandalus borealis
Common Name	Northern shrimp
Stock ID	PANDALSMA16
Assess ID	DFO-PANDALSMA16-1987-2011-WATSON
Region	Canada West
Area	Shrimp Management Area 16
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1987-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	94	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	36	-	0.32
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Northern shrimp SMA 16



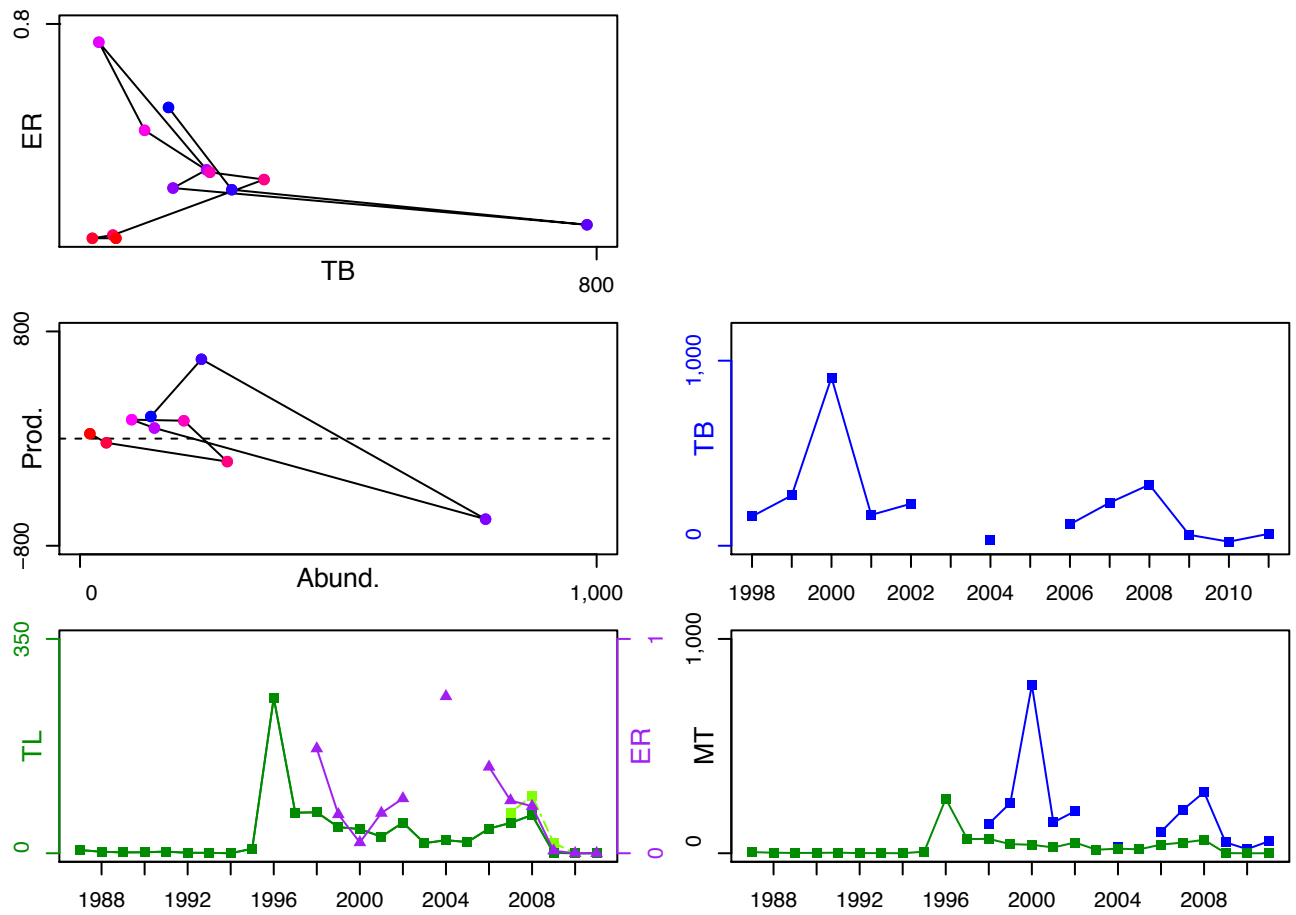
Northern shrimp SMA 18-19

Metadata	
Scientific Name	Pandalus borealis
Common Name	Northern shrimp
Stock ID	PANDALSMA18-19
Assess ID	DFO-PANDALSMA18-19-1987-2011-WATSON
Region	Canada West
Area	Shrimp Management Areas 18 and 19
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1987-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	56	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	0	-	0
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Northern shrimp SMA 18–19



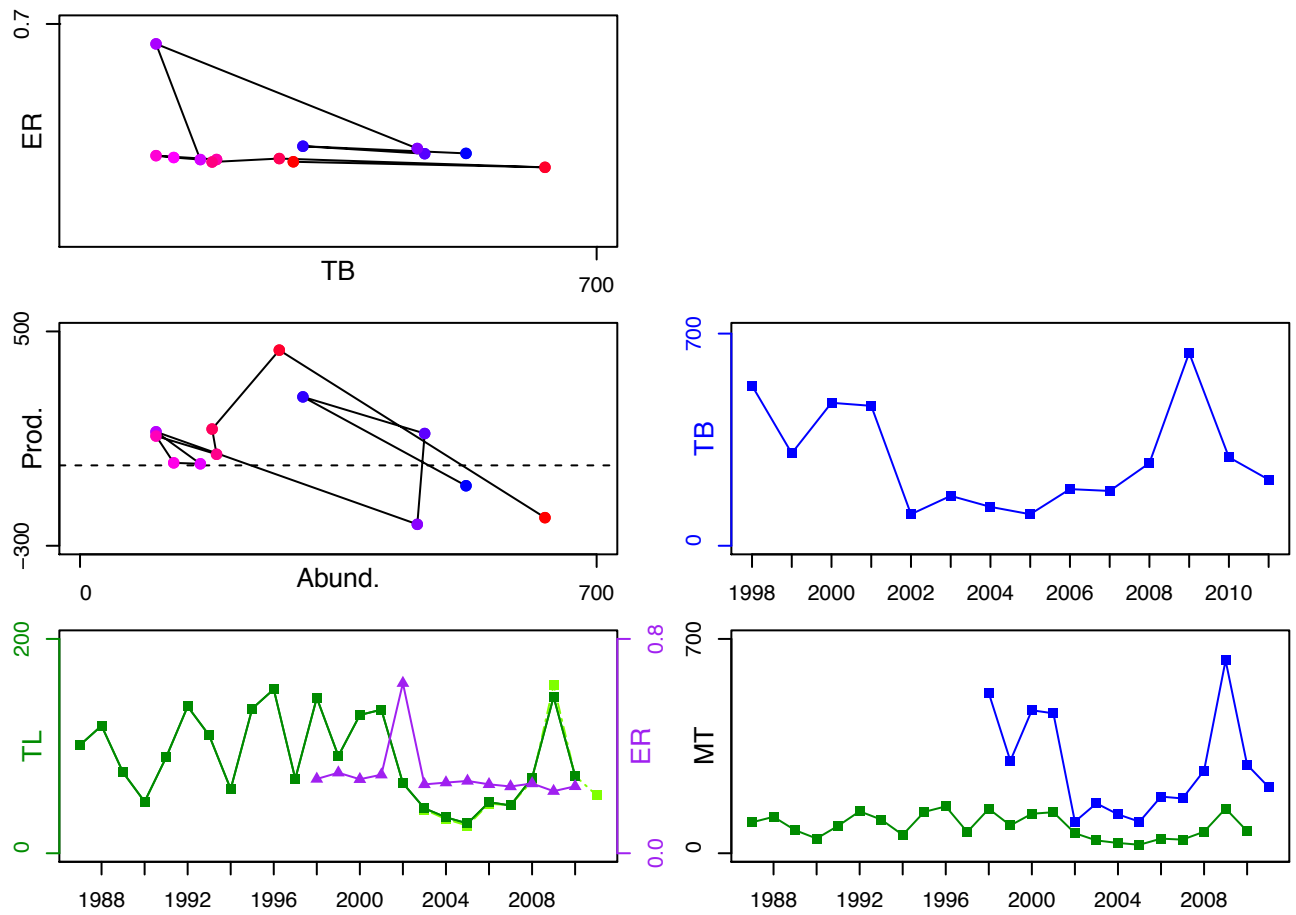
Northern shrimp SMA FR

Metadata	
Scientific Name	Pandalus borealis
Common Name	Northern shrimp
Stock ID	PANDALSMAFR
Assess ID	DFO-PANDALSMAFR-1987-2011-WATSON
Region	Canada West
Area	Shrimp Management Area FR
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1987-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	216	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	72	-	0.25
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Northern shrimp SMA FR



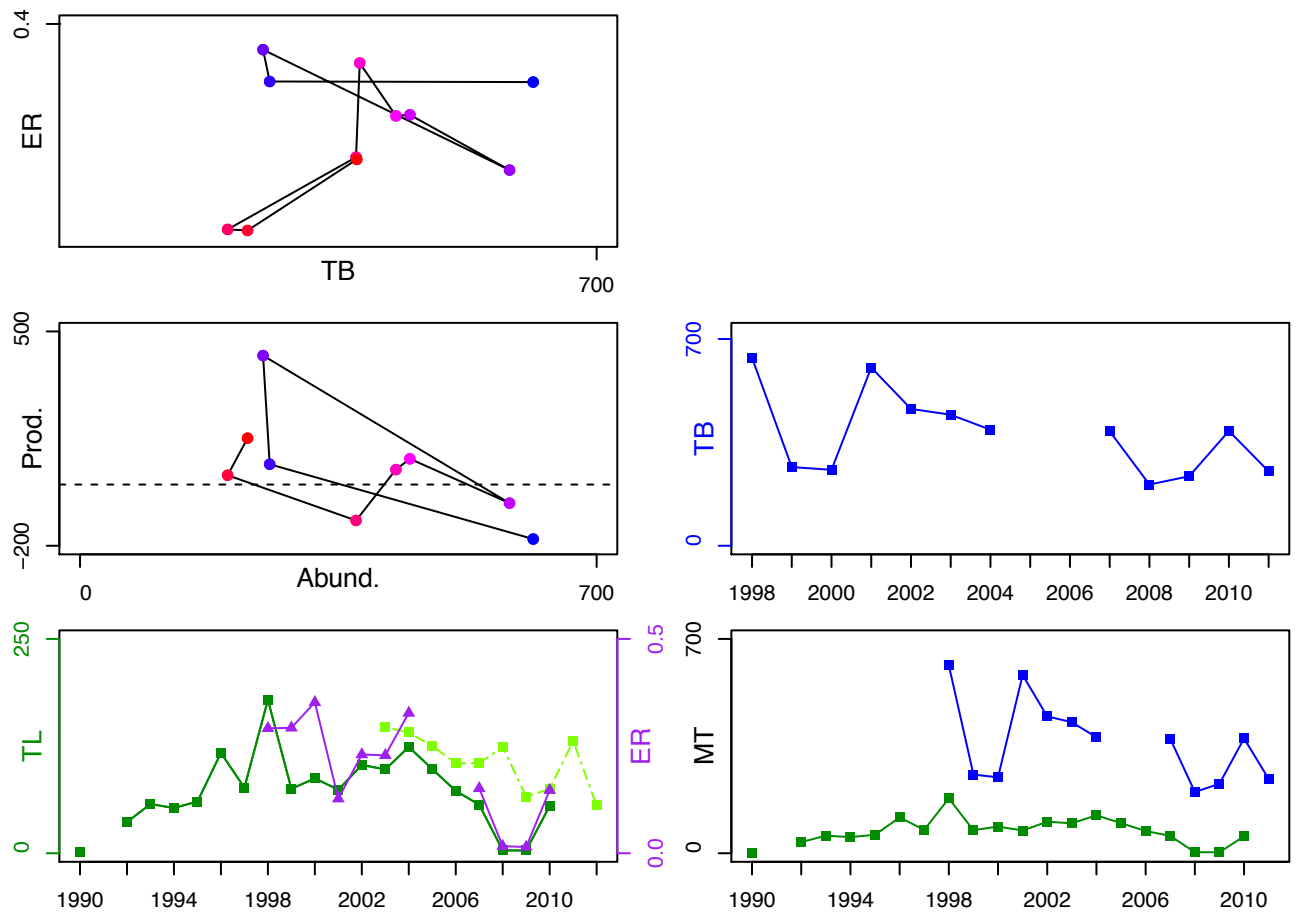
Northern shrimp SMA GTSE

Metadata	
Scientific Name	Pandalus borealis
Common Name	Northern shrimp
Stock ID	PANDALSMAGTSE
Assess ID	DFO-PANDALSMAGTSE-1990-2012-WATSON
Region	Canada West
Area	Shrimp Management Area GTSE
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1990-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	243	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	55	-	0.15
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Northern shrimp SMA GTSE



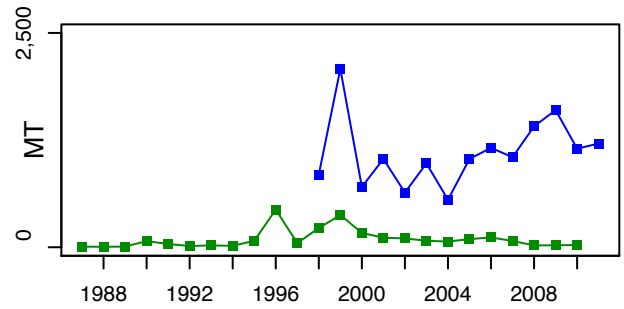
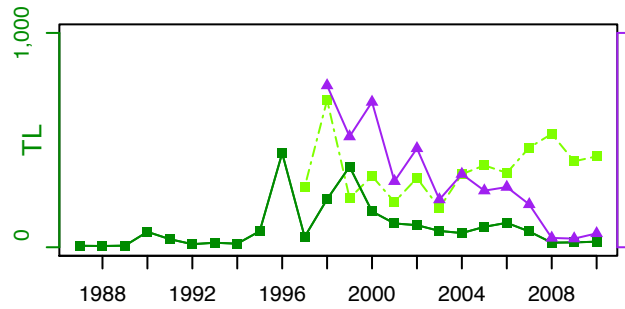
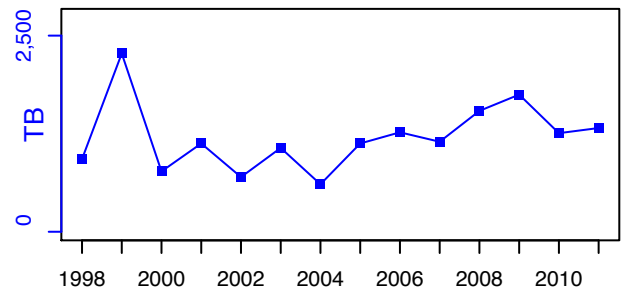
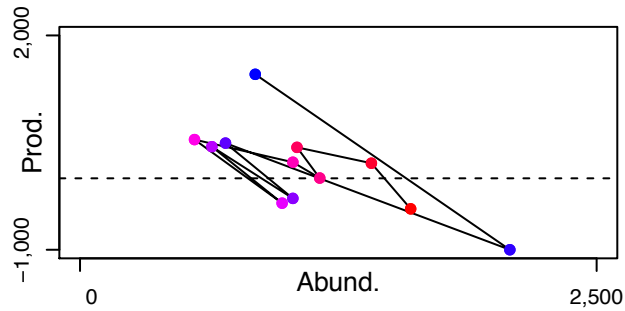
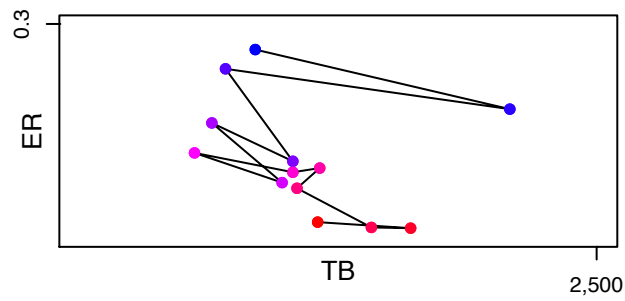
Northern shrimp SMA PRD

Metadata	
Scientific Name	Pandalus borealis
Common Name	Northern shrimp
Stock ID	PANDALSMAPRD
Assess ID	DFO-PANDALSMAPRD-1987-2011-WATSON
Region	Canada West
Area	Shrimp Management Area PRD
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1987-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	1210	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	26	-	0.02
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Northern shrimp SMA PRD



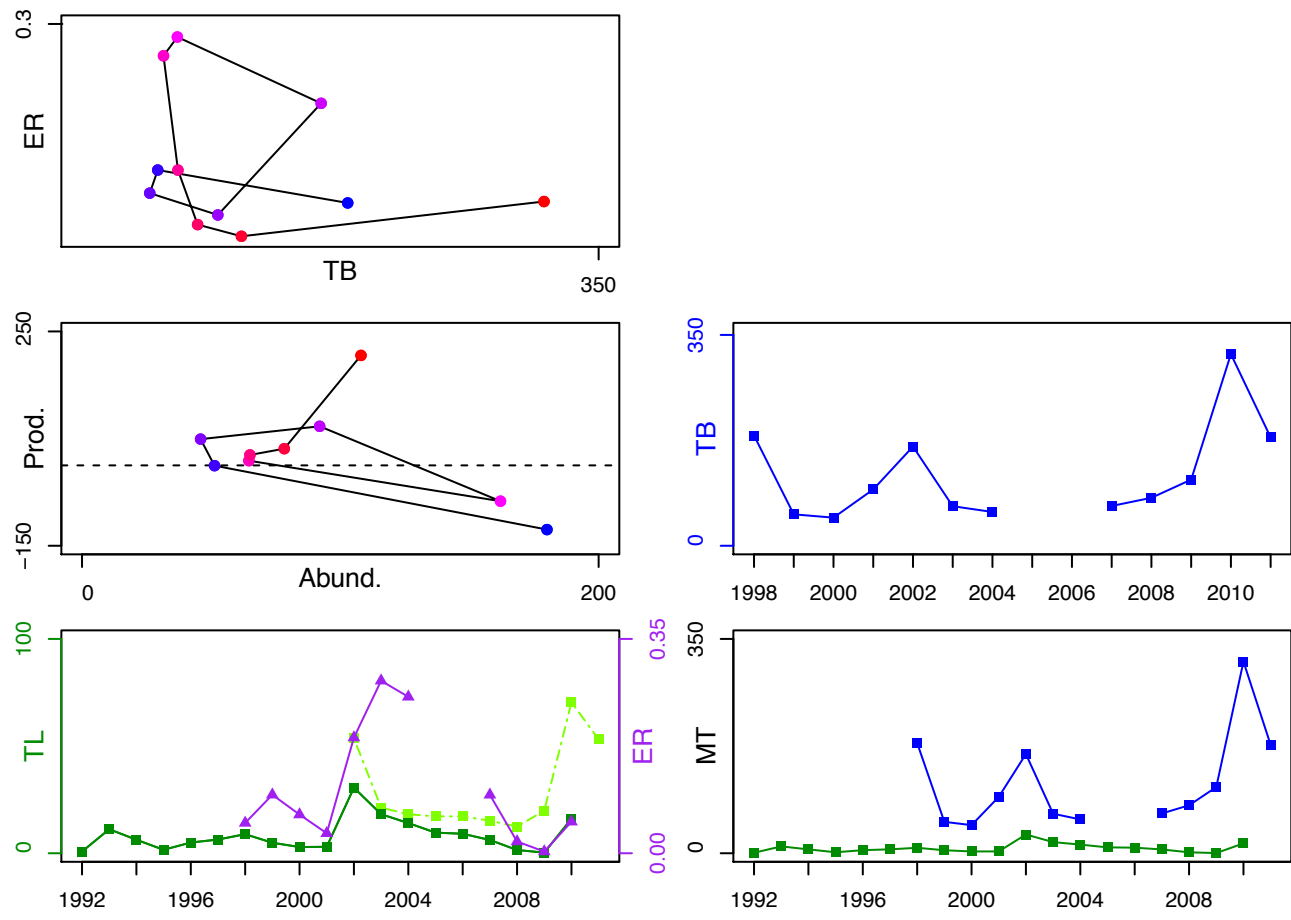
Sidestripe shrimp SMA GTSE

Metadata	
Scientific Name	Pandalopsis dispar
Common Name	Sidestripe shrimp
Stock ID	SSHRIMPSMAGTSE
Assess ID	DFO-SSHRIMPSMAGTSE-1992-2011-WATSON
Region	Canada West
Area	Shrimp Management Area GTSE
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1992-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	177	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	16	-	0.05
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Sidestripe shrimp SMA GTSE



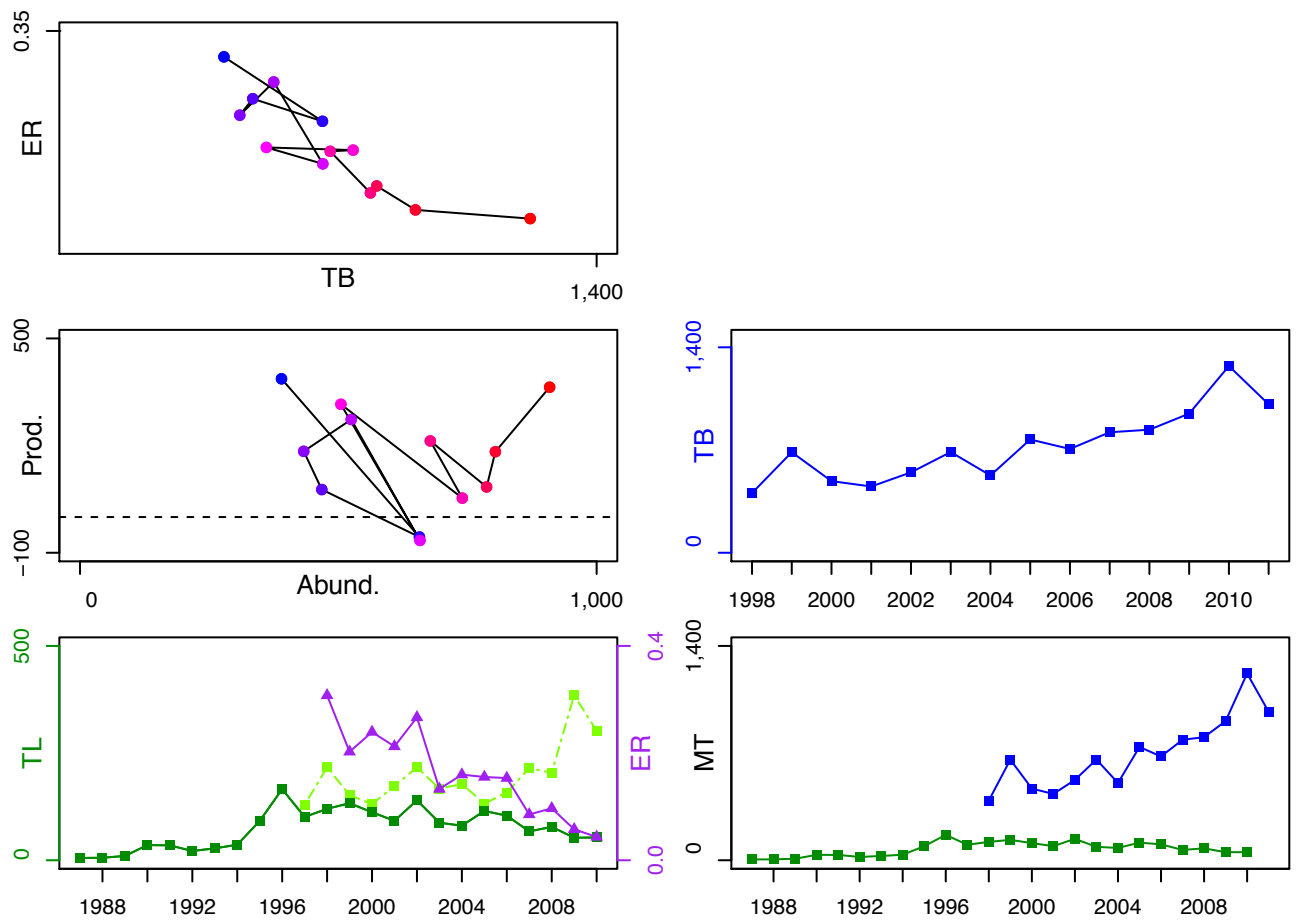
Sidestripe shrimp SMA PRD

Metadata	
Scientific Name	Pandalopsis dispar
Common Name	Sidestripe shrimp
Stock ID	SSHRIMPSMAPRD
Assess ID	DFO-SSHRIMPSMAPRD-1987-2011-WATSON
Region	Canada West
Area	Shrimp Management Area PRD
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1987-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	970	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	53	-	0.04
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Sidestripe shrimp SMA PRD



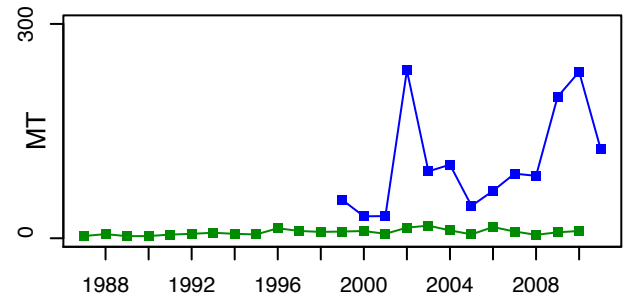
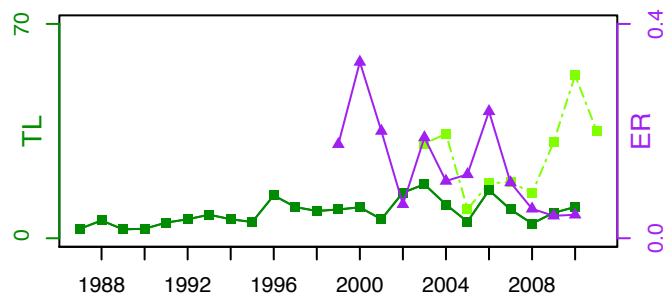
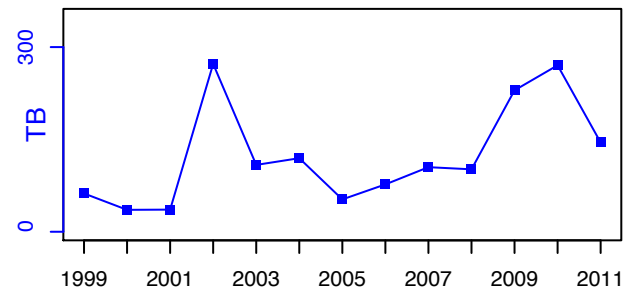
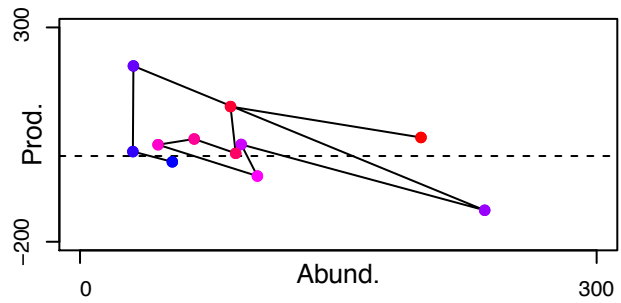
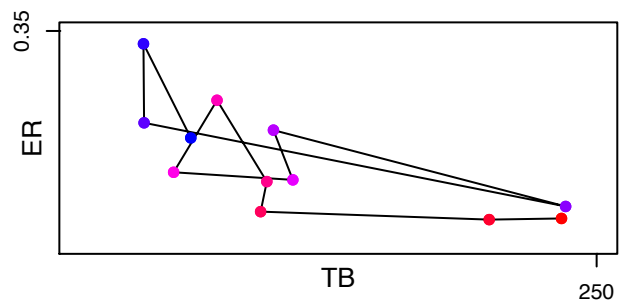
Sidestripe shrimp SMA 14

Metadata	
Scientific Name	Pandalopsis dispar
Common Name	Sidestripe shrimp
Stock ID	SSSHRIMPSMA14
Assess ID	DFO-SSSHRIMPSMA14-1987-2011-WATSON
Region	Canada West
Area	Shrimp Management Area 14
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1987-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	125	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	10	-	0.04
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Sidestripe shrimp SMA 14



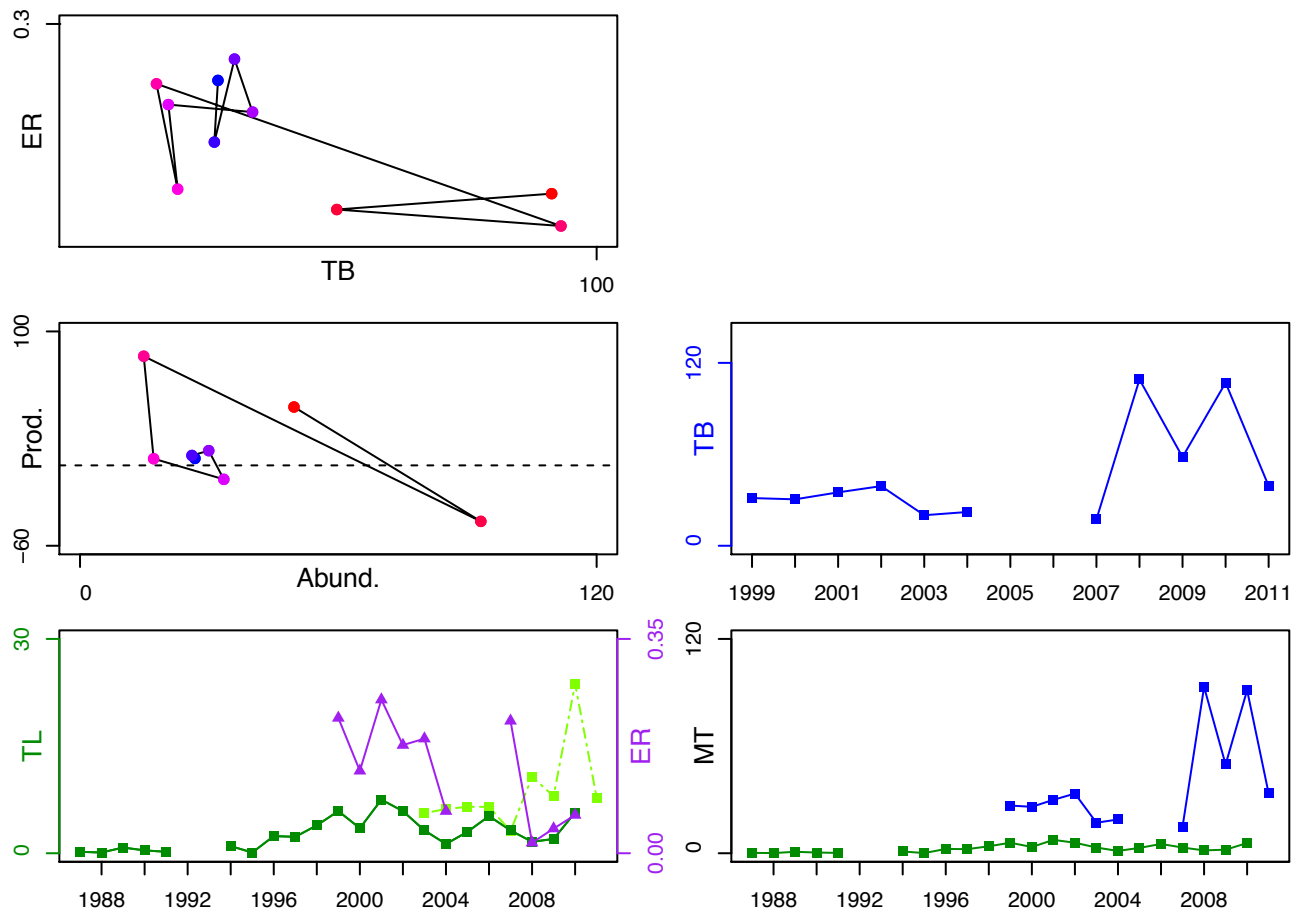
Sidestripe shrimp SMA 16

Metadata	
Scientific Name	Pandalopsis dispar
Common Name	Sidestripe shrimp
Stock ID	SSSHRIMPSMA16
Assess ID	DFO-SSSHRIMPSMA16-1987-2011-WATSON
Region	Canada West
Area	Shrimp Management Area 16
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1987-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	34	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	6	-	0.06
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Sidestripe shrimp SMA 16



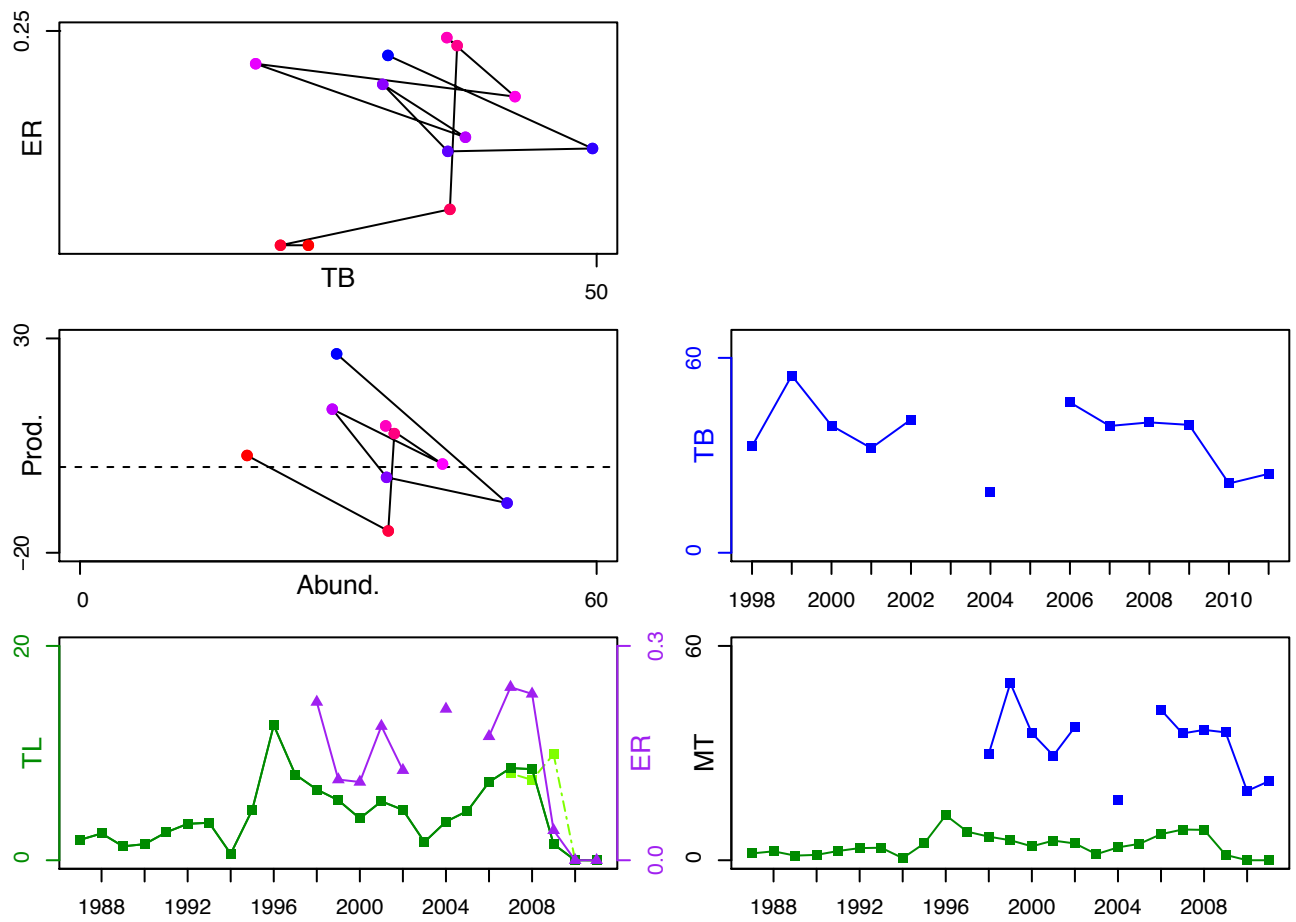
Sidestripe shrimp SMA 18-19

Metadata	
Scientific Name	Pandalopsis dispar
Common Name	Sidestripe shrimp
Stock ID	SSSHRIMPSMA18-19
Assess ID	DFO-SSSHRIMPSMA18-19-1987-2011-WATSON
Region	Canada West
Area	Shrimp Management Areas 18 and 19
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1987-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	22	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	0	-	0
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Sidestripe shrimp SMA 18-19



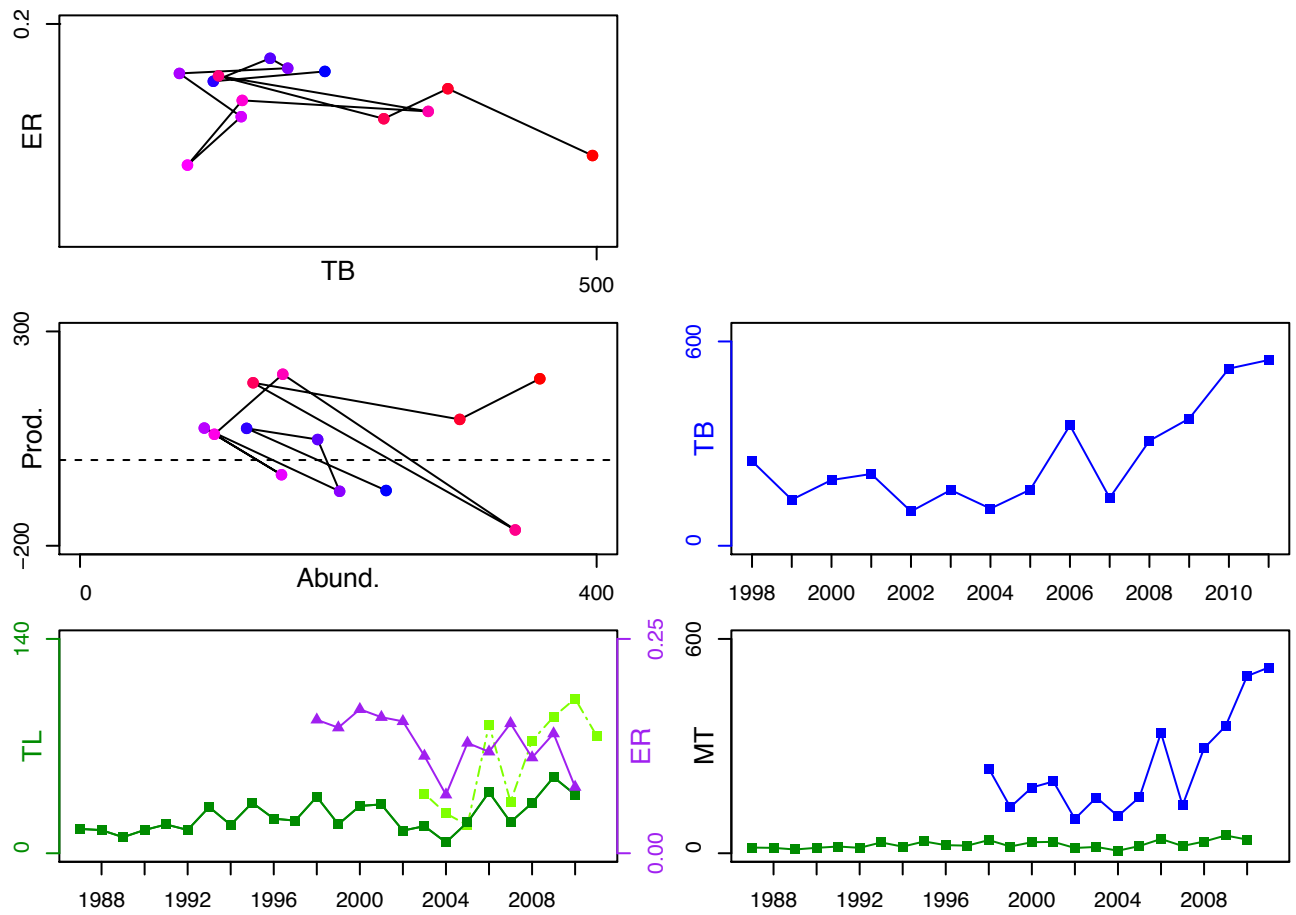
Sidestripe shrimp SMA FR

Metadata	
Scientific Name	Pandalopsis dispar
Common Name	Sidestripe shrimp
Stock ID	SSSHRIMPSMAFR
Assess ID	DFO-SSSHRIMPSMAFR-1987-2011-WATSON
Region	Canada West
Area	Shrimp Management Area FR
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1987-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	520	-	-	-
Time Series	TC	TL	F	U
Unit	-	MT	-	Ratio
Current Value	-	38	-	0.08
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Sidestripe shrimp SMA FR



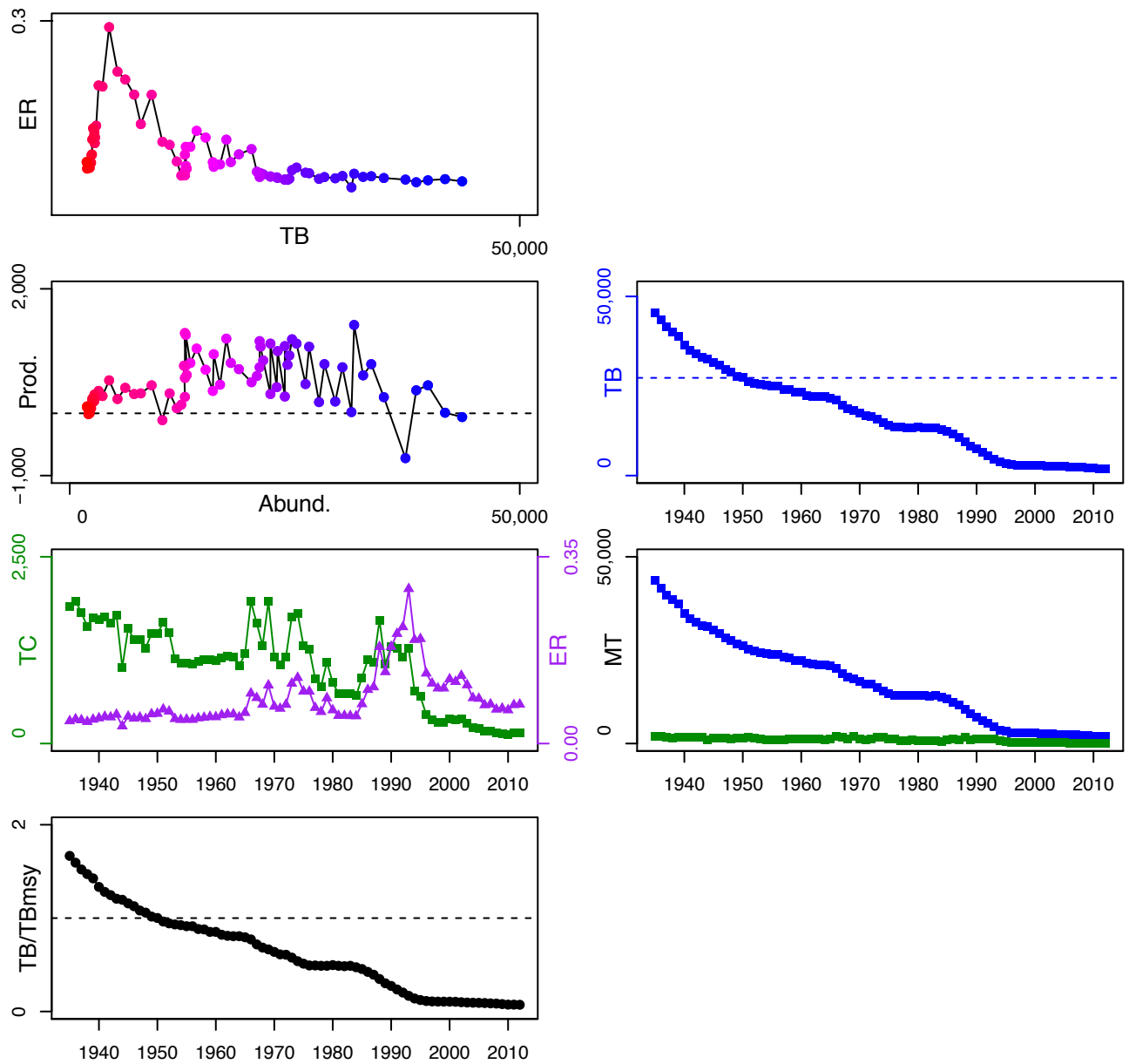
Bocaccio British Columbia Waters

Metadata	
Scientific Name	Sebastes paucispinis
Common Name	Bocaccio
Stock ID	BOCACCBCW
Assess ID	DFO-PAC-BOCACCBCW-1935-2012-CHING
Region	Canada West
Area	British Columbia Waters
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Years	1935-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	MT	-	-	-	-
Value	26,165	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	-	-	-
Current Value	1880	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	138	-	-	0.07
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	0.07	-	-	-

Bocaccio British Columbia Waters



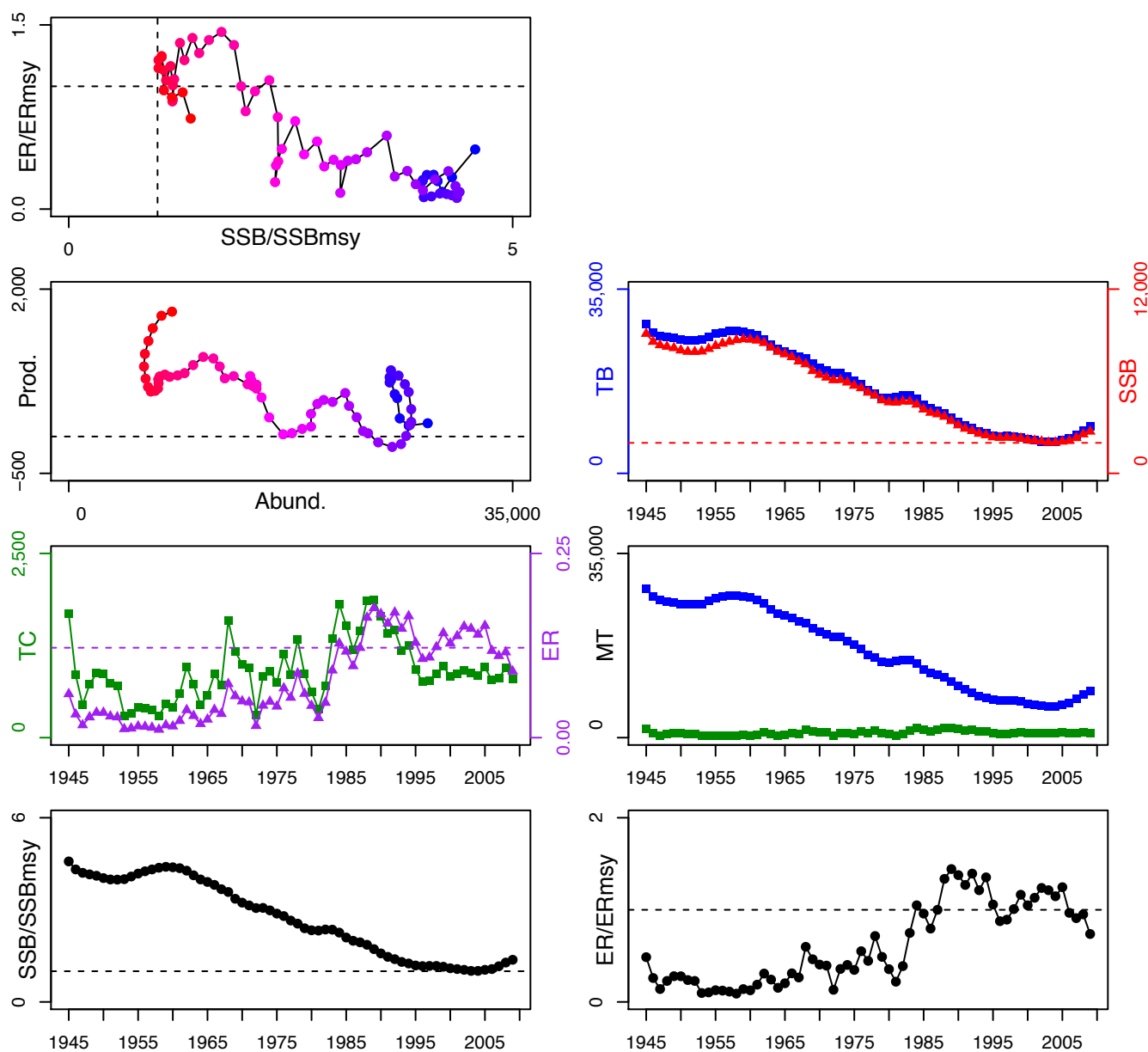
Canary rockfish West Coast of Vancouver Island and Strait of Georgia and Queen Charlotte Islands

Metadata	
Scientific Name	Sebastes pinniger
Common Name	Canary rockfish
Stock ID	CROCKWCVANISOGQCI
Assess ID	DFO-CROCKWCVANISOGQCI-1945-2009-STANTON
Region	Canada West
Area	West Coast of Vancouver Island and Strait of Georgia and Queen Charlotte Islands
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1945-2009

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	MT	-	-	-
Value	-	1988	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	Ratio	1/yr	
Value	714	-	0.12	0.06	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	-	-
Current Value	8890	2730	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	800	-	-	0.09
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	1.37	-	0.74

Canary rockfish West Coast of Vancouver Island and Strait of Georgia and Queen Charlotte Islands



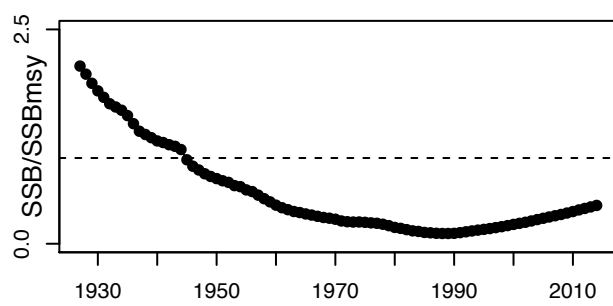
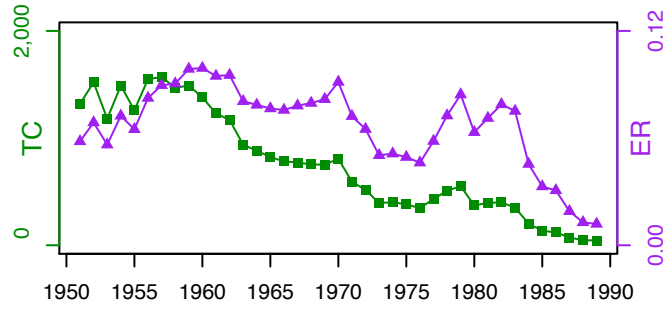
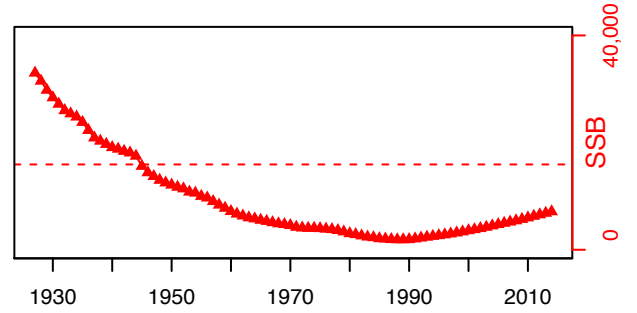
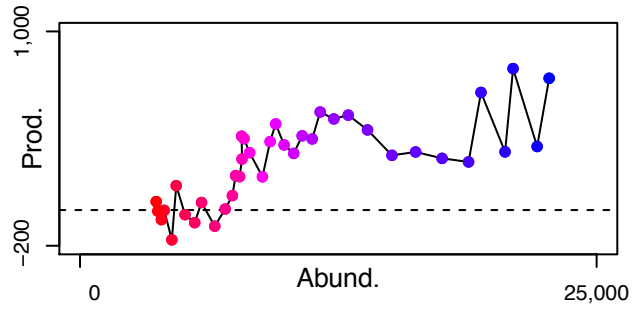
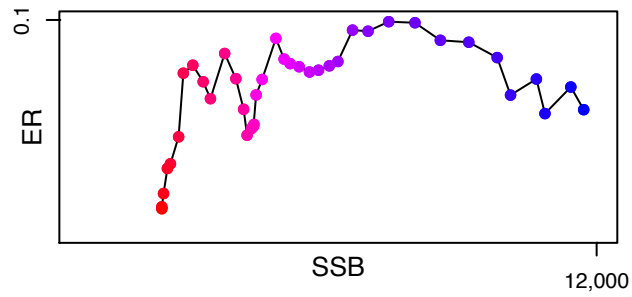
Lingcod Strait of Georgia

Metadata	
Scientific Name	Ophiodon elongatus
Common Name	Lingcod
Stock ID	LINGCODSOG
Assess ID	DFO-PAC-LINGCODSOG-1927-2014-OSGOOD
Region	Canada West
Area	Straight of Georgia
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Years	1927-2014

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	MT	-	-	-
Value	-	15,924	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	-	
Value	763	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	MT	-	-
Current Value	-	7120	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	44	-	-	0.01
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	0.45	-	-

Lingcod Strait of Georgia



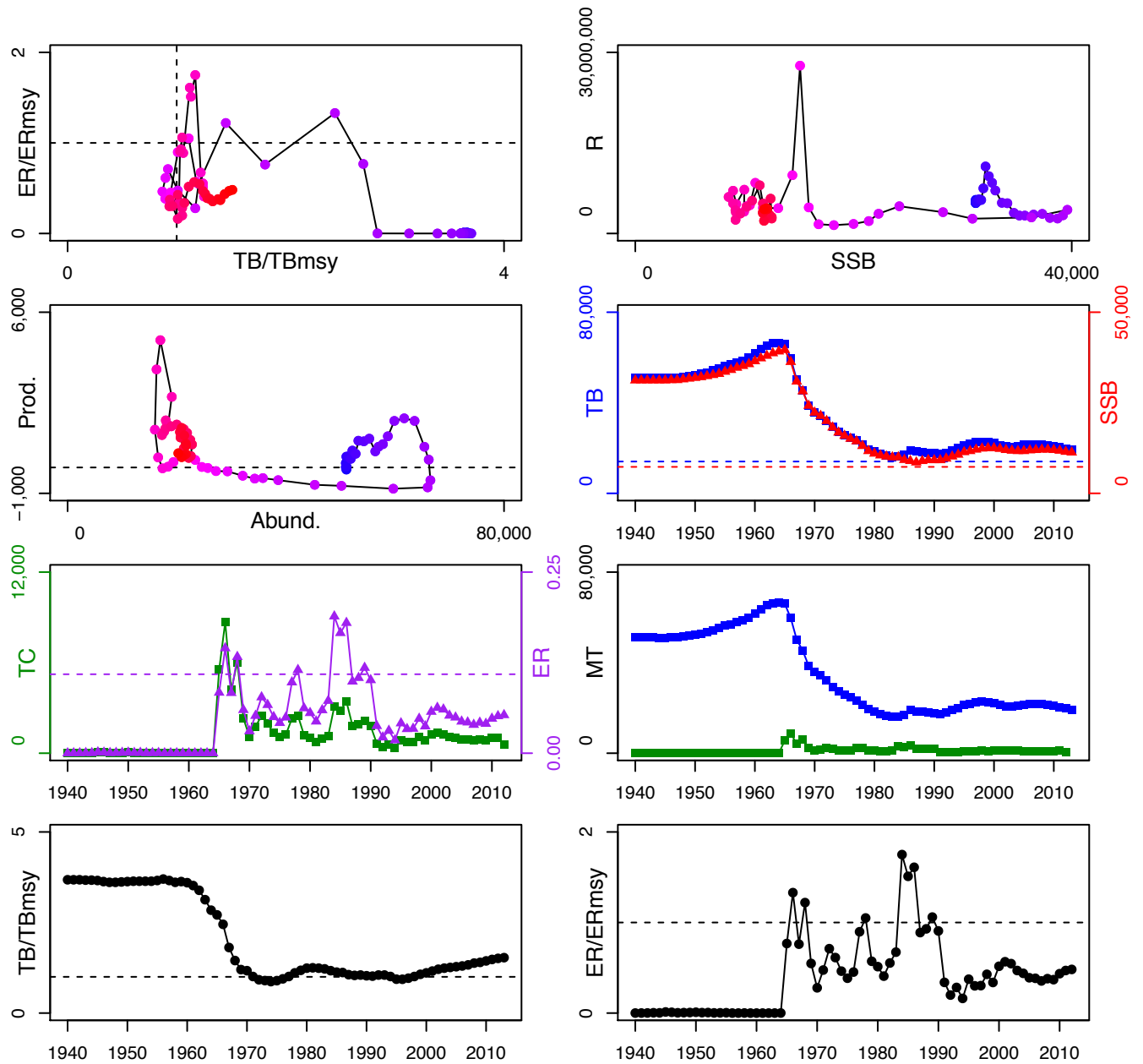
Pacific Ocean perch Queen Charlotte Islands

Metadata	
Scientific Name	Sebastes alutus
Common Name	Pacific Ocean perch
Stock ID	PERCHQCI
Assess ID	DFO-PERCHQCI-1939-2013-WATSON
Region	Canada West
Area	Queen Charlotte Islands
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1939-2013

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	MT	MT	-	-	MT
Value	14,056	7304	-	-	31,242
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	Ratio	-	
Value	1488	-	0.11	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	-	No.
Current Value	19,300	11,300	-	4,020,000
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	584	-	-	0.05
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	1.53	1.55	-	0.48

Pacific Ocean perch Queen Charlotte Islands



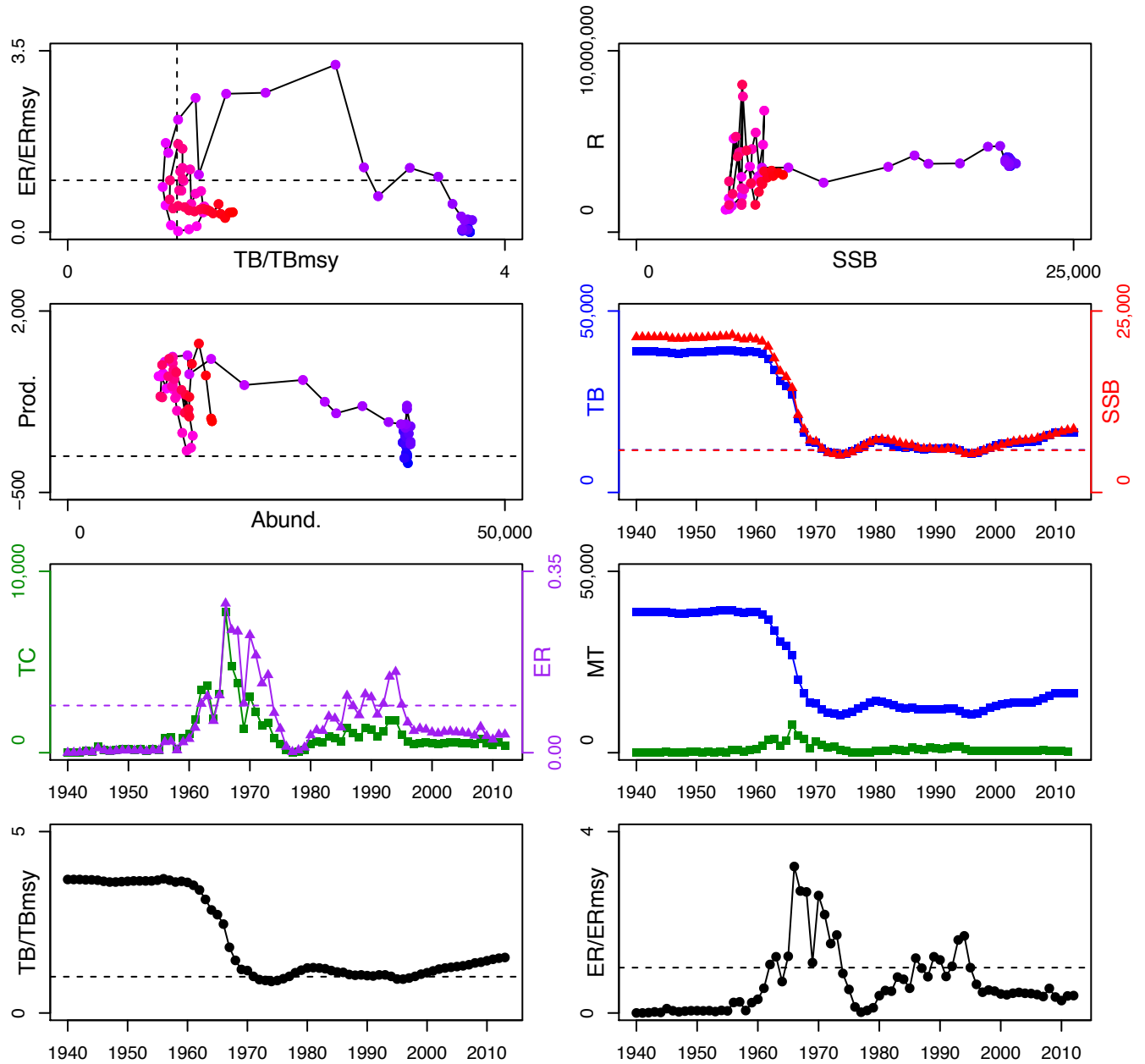
Pacific Ocean perch West Coast of Vancouver Island

Metadata	
Scientific Name	Sebastes alutus
Common Name	Pacific Ocean perch
Stock ID	PERCHWCVANI
Assess ID	DFO-PERCHWCVANI-1939-2013-WATSON
Region	Canada West
Area	West Coast of Vancouver Island
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1939-2013

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	MT	MT	-	-	MT
Value	11,729	5809	-	-	21,442
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	Ratio	-	
Value	1048	-	0.09	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	MT	MT	-	No.
Current Value	16,400	8740	-	3,160,000
Time Series	TC	TL	F	U
Unit	MT	-	-	Ratio
Current Value	382	-	-	0.04
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	1.53	1.5	-	0.38

Pacific Ocean perch West Coast of Vancouver Island



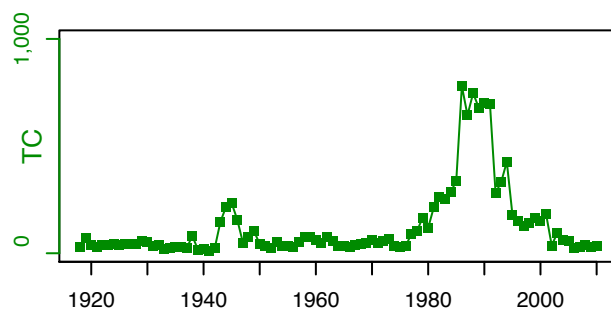
Quillback rockfish Pacific Coast of Canada (Inside)

Metadata	
Scientific Name	Sebastes maliger
Common Name	Quillback rockfish
Stock ID	QROCKPCOASTIN
Assess ID	DFO-QROCKPCOASTIN-1918-2010-WATSON
Region	Canada West
Area	Pacific Coast of Canada (Inside)
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1918-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	-	
Value	144	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	-
Current Value	34	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Quillback rockfish Pacific Coast of Canada (Inside)



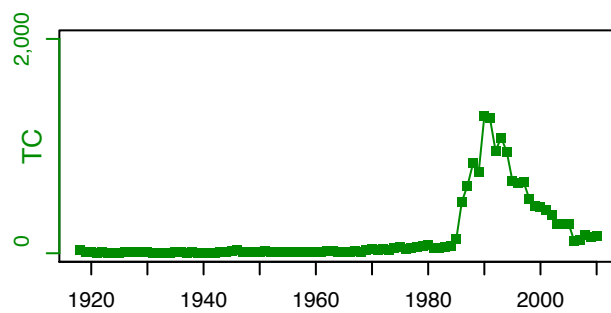
Quillback rockfish Pacific Coast of Canada (Outside)

Metadata	
Scientific Name	Sebastes maliger
Common Name	Quillback rockfish
Stock ID	QROCKPCOASTOUT
Assess ID	DFO-QROCKPCOASTOUT-1918-2010-WATSON
Region	Canada West
Area	Pacific Coast of Canada (Outside)
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1918-2010

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	-	
Value	462	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	-
Current Value	159	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Quillback rockfish Pacific Coast of Canada (Outside)



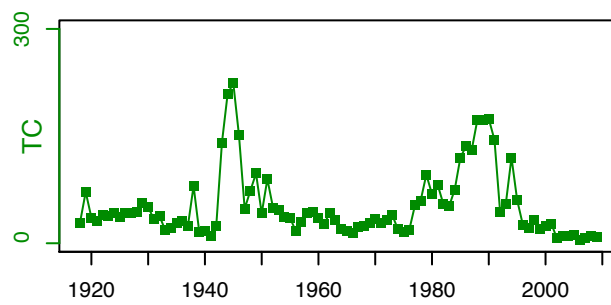
Yelloweye rockfish Pacific Coast of Canada (Inside)

Metadata	
Scientific Name	Sebastes ruberrimus
Common Name	Yelloweye rockfish
Stock ID	YEYEROCKPCOASTIN
Assess ID	DFO-YEYEROCKPCOASTIN-1918-2009-WATSON
Region	Canada West
Area	Pacific Coast of Canada (Inside)
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans
Years	1918-2009

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	-
Current Value	8	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Yelloweye rockfish Pacific Coast of Canada (Inside)



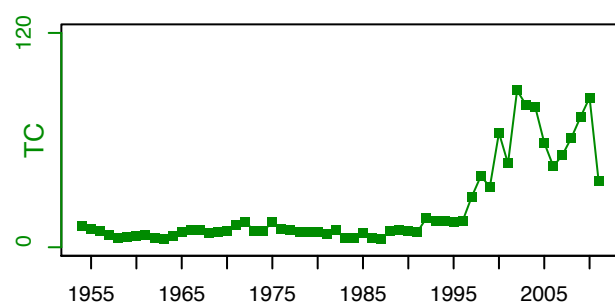
Big skate West Coast Vancouver Island

Metadata	
Scientific Name	Raja binoculata
Common Name	Big skate
Stock ID	BIGSKA3CD
Assess ID	DFO-PAC-BIGSKA3CD-1954-2011-OSGOOD
Region	Canada West
Area	West Coast of Vancouver Island
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Years	1954-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	-
Current Value	37	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Big skate West Coast Vancouver Island



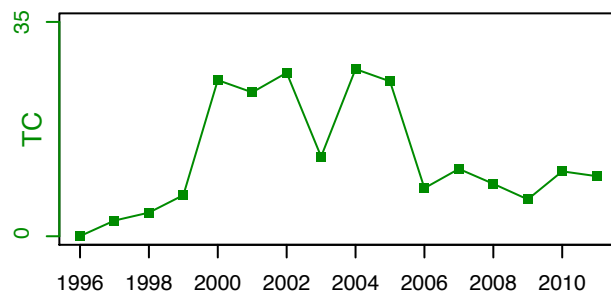
Big skate Strait of Georgia

Metadata	
Scientific Name	Raja binoculata
Common Name	Big skate
Stock ID	BIGSKA4B
Assess ID	DFO-PAC-BIGSKA4B-1996-2011-OSGOOD
Region	Canada West
Area	Straight of Georgia
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Years	1996-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	-
Current Value	10	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Big skate Strait of Georgia



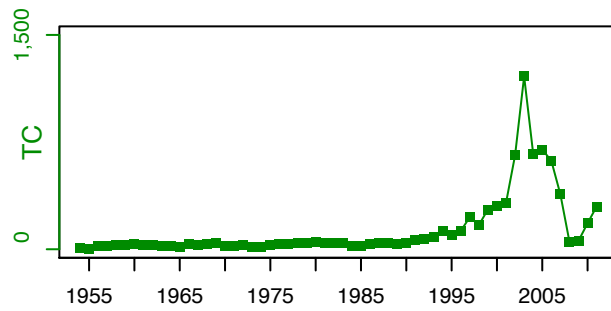
Big skate Queen Charlotte Sound

Metadata	
Scientific Name	Raja binoculata
Common Name	Big skate
Stock ID	BIGSKA5AB
Assess ID	DFO-PAC-BIGSKA5AB-1954-2011-OSGOOD
Region	Canada West
Area	Queen Charlotte Sound
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Years	1954-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	-
Current Value	299	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Big skate Queen Charlotte Sound



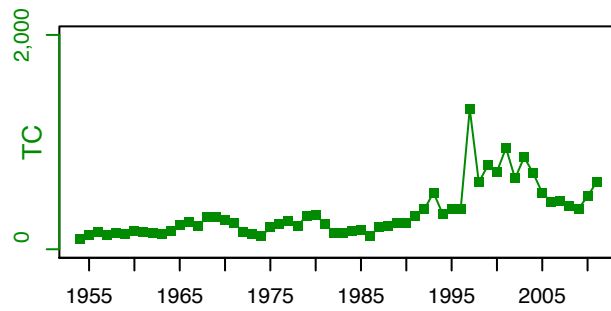
Big skate Hecate Strait

Metadata	
Scientific Name	Raja binoculata
Common Name	Big skate
Stock ID	BIGSKA5CDE
Assess ID	DFO-PAC-BIGSKA5CDE-1954-2011-OSGOOD
Region	Canada West
Area	Hecate Strait
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Years	1954-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	MT	-	-	-	
Value	351	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	-
Current Value	628	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Big skate Hecate Strait



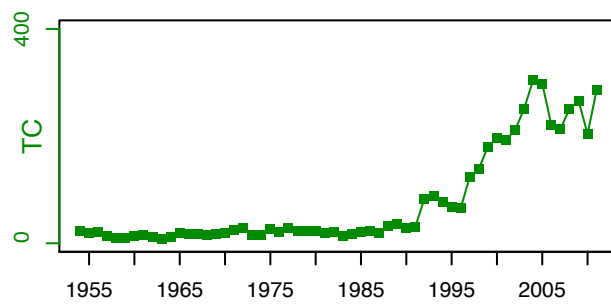
Longnose skate West Coast Vancouver Island

Metadata	
Scientific Name	Raja rhina
Common Name	Longnose skate
Stock ID	LNOSKA3CD
Assess ID	DFO-PAC-LNOSKA3CD-1954-2011-OSGOOD
Region	Canada West
Area	West Coast of Vancouver Island
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Years	1954-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	-
Current Value	286	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Longnose skate West Coast Vancouver Island



Longnose Skate Strait of Georgia

Metadata	
Scientific Name	Raja rhina
Common Name	Longnose skate
Stock ID	LNOSKA4B
Assess ID	DFO-PAC-LNOSKA4B-1996-2011-OSGOOD
Region	Canada West
Area	Straight of Georgia
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Years	1996-2011

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	-
Current Value	2	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Longnose Skate Strait of Georgia



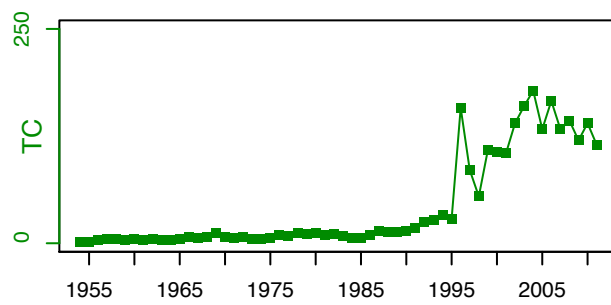
Longnose Skate Queen Charlotte Sound

Metadata	
Scientific Name	Raja rhina
Common Name	Longnose skate
Stock ID	LNOSKA5AB
Assess ID	DFO-PAC-LNOSKA5AB-1954-2012-OSGOOD
Region	Canada West
Area	Queen Charlotte Sound
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Years	1954-2012

Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	-
Current Value	115	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Longnose Skate Queen Charlotte Sound



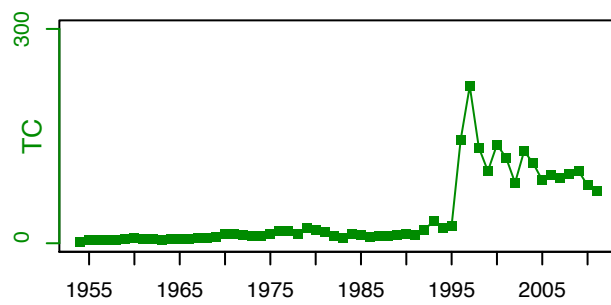
Longnose skate Hecate Strait

Metadata	
Scientific Name	Raja rhina
Common Name	Longnose skate
Stock ID	LNOSKA5CDE
Assess ID	DFO-PAC-LNOSKA5CDE-1954-2011-OSGOOD
Region	Canada West
Area	Hecate Strait
Management Authority	Department of Fisheries and Oceans, Canada national management
Assessor	Department of Fisheries and Oceans - Pacific Region
Years	1954-2011

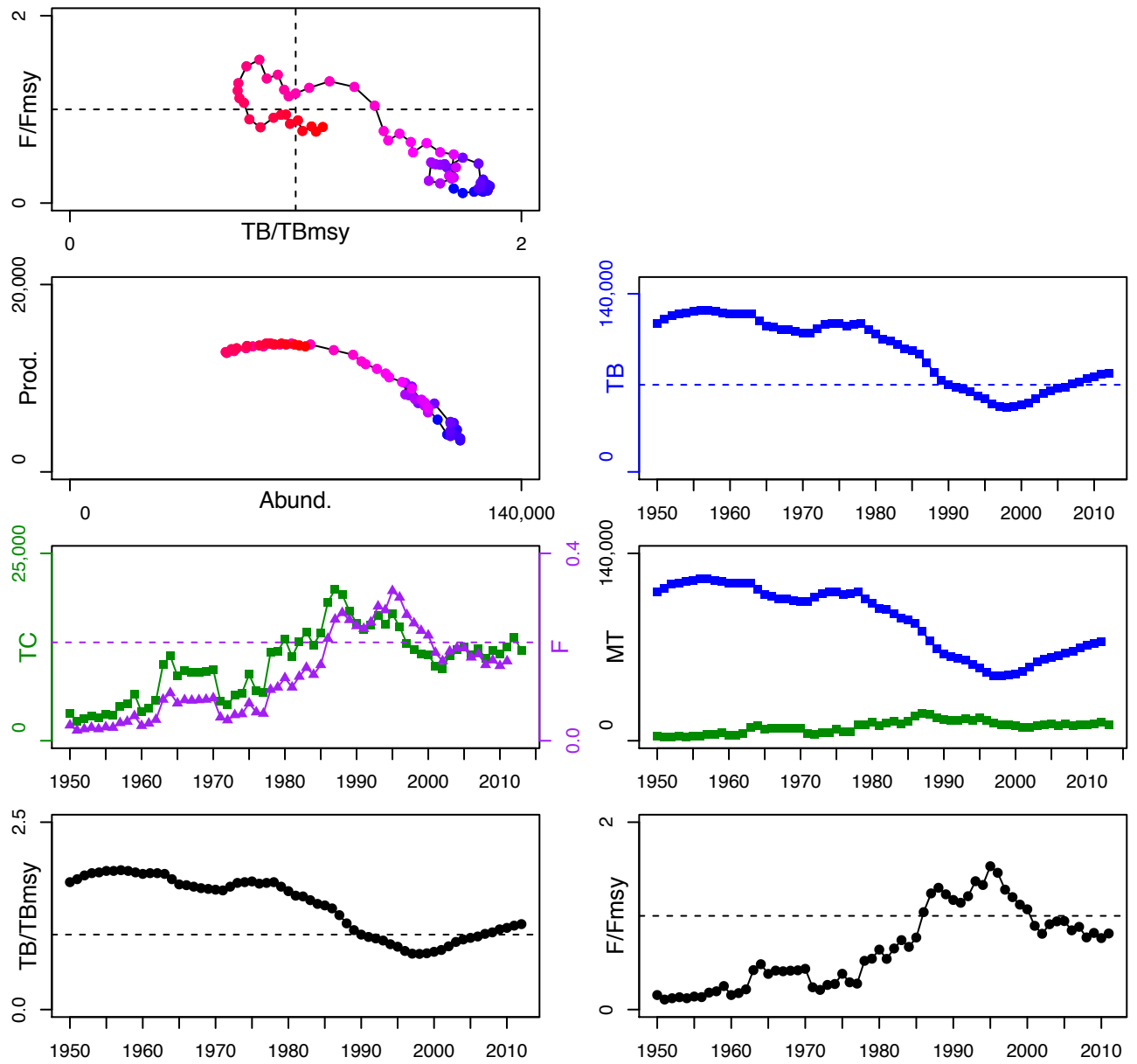
Reference Points					
Parameter	Btarget	SSBtarget	Ntarget	B0	SSB0
Unit	-	-	-	-	-
Value	-	-	-	-	-
Parameter	MSY	Ftarget	Utarget	M	
Unit	-	-	-	-	
Value	-	-	-	-	

Time Series				
Time Series	TB	SSB	TN	R
Unit	-	-	-	-
Current Value	-	-	-	-
Time Series	TC	TL	F	U
Unit	MT	-	-	-
Current Value	73	-	-	-
Time Series	TB/TBtarget	SSB/SSBtarget	F/Ftarget	ER/ERtarget
Current Value	-	-	-	-

Longnose skate Hecate Strait



Swordfish North Atlantic



Assessment Reference

- Avila de Melo, A.M., Brites, N. Alpoim, R. and Troncoso, D.G. 2014. An ASPIC Based Assessment of Redfish (*S. mentella* and *S. fasciatus*) in NAFO Divisions 3LN (assuming that the highest apparently sustained historical average level of catch is a sound proxy to MSY). NAFO SCR Doc. 14/022.
- Bernier, B. and Chabot, D. 2013. Évaluation de l'état du stock de flétan du Groenland (*Reinhardtius hippoglossoides*) du golfe du Saint-Laurent (4RST) en 2010 et description de son régime alimentaire. DFO Can. Sci. Advis. Sec. Res. Doc. 2012/140. viii + 85 p
- Bourne, C., F. Mowbray, B. Squires and Croft, J. 2015. 2014 Assessment of Newfoundland East and South Coast Atlantic Herring (*Clupea harengus*). DFO Can. Sci. Advis. Sec. Res. Doc. 2015/055. v + 61 p.
- Brassard, C., Gauthier, J., Schwab, P., Le Bris, A., Way, M. and Collier, F. 2016. The status of cod stock (*Gadus morhua*) in the Northern Gulf of St. Lawrence (3Pn, 4RS) in 2014. DFO Can. Sci. Advis. Sec. Res. Doc 2016/010. ix + 121 p.
- Campana, S.E., Fowler, M., Houlihan, D., Joyce, W., Showell, M., Simpson, M., Miri, C. and Eagles, M. 2015. Recovery Potential Assessment for Porbeagle (*Lamna nasus*) in Atlantic Canada. DFO Can. Sci. Advis. Sec. Res. Doc. 2015/041. iv + 45 p.
- Clark, K.J., Clark, D.S., Andrushchenko, I.V. and Swain, D.P. 2015. Recovery potential assessment (RPA) for the southern designatable unit (NAFO Divisions 4X5Yb and 5Zjm) of Atlantic cod (*Gadus morhua*). DFO Can. Sci. Advis. Sec. Res. Doc. 2015/069. v + 58 p.
- Coughlan, E., Skanes, K., Orr, D., Evans, G., Coffey, W., Stansbury, D., and Hynick, E. 2015. An assessment of American Lobster (*Homarus americanus*) in Newfoundland in 2012. DFO Can. Sci. Advis. Sec. Res. Doc. 2015/057. vi + 41 p.
- Cox, S.P., A. Benson and C.E. den Heyer. 2016. Framework stock assessment for Atlantic halibut on the Scotian Shelf and Southern Grand Banks. DFO Can. Sci. Advis. Sec. Res. Doc. 2016/001. vi + 54 p.
- Davidson, L.A., Biron, M. and Niles, M. 2012. Scallop Fishery Assessment of the Southern Gulf of St. Lawrence in 2010: Commercial Fishery Data. DFO Can. Sci. Advis. Sec. Res. Doc. 2012/007. vi + 40 p.
- DFO. 2009. Recovery assessment of canary rockfish in British Columbia waters. DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2009/041.
- DFO. 2011. Assessment of Lobster off the Atlantic Coast of Nova Scotia (LFAs 27-33). DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2011/064.
- DFO. 2011. Assessment of the Quebec North Shore (Division 4S) herring stocks in 2010. DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2011/007.
- DFO. 2012. Assessment of inshore shrimp stocks along the coast of British Columbia, 2011. DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2011/085.
- DFO. 2012. Assessment of Lobster Stocks of the Gaspé (LFAs 19, 20 and 21), Quebec in 2011. DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2012/015.

- DFO. 2012. Assessment of Lobster Stocks of the Magdalen Islands (LFA 22), Quebec in 2011. DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2012/012.
- DFO. 2012. Assessment of the Arctic Surfclam (*Mactromeris polynyma*) Stock on Banquereau in 2010. DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2011/068.
- DFO. 2012. Assessment of the Estuary and Northern Gulf of St. Lawrence (Areas 13 to 17, 12A, 12B, 12C, and 16A) Snow Crab Stocks in 2011. DFO Can. Advis. Sec. Sci. Advis. Rep. 2012/030.
- DFO. 2012. Stock status assessment of lobster on the North Shore (LFAs 15, 16 and 18) and at Anticosti Island (LFA 17), Quebec, in 2011. Can. Sci. Advis. Sec. Sci. Advis. Rep. 2012/020.
- DFO. 2013. American lobster, *Homarus americanus*, stock status in the southern Gulf of St. Lawrence: LFA 23, 24, 25, 26a and 26b. DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2013/029.
- DFO. 2013. Assessment of Lobster (*Homarus americanus*) in Lobster Fishing Area (LFA) 34. DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2013/024.
- DFO. 2013. Assessment of Lobster (*Homarus americanus*) in Lobster Fishing Areas (LFA) 35-38. DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2013/023.
- DFO. 2015. Northern (NAFO Divs. 2J3KL) Cod Stock Update. DFO Can. Sci. Advis. Sec. Sci. Resp. 2015/018.
- DFO. 2015. Stock Assessment and Management Advice for BC Pacific Herring: 2015 Status and 2016 Forecast. DFO Can. Sci. Advis. Sec. Sci. Resp. 2015/038.
- DFO. 2015. Stock assessment for Lingcod (*Ophiodon elongatus*) for the Strait of Georgia, British Columbia in 2014. DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2015/014.
- DFO. 2016. Update of stock status indicators for Northern Shrimp, *Pandalus borealis*, and Striped Shrimp, *Pandalus montagui*, in the Western and Eastern Assessment Zones for 2016. DFO Can. Sci. Advis. Sec. Sci. Resp. 2016/006.
- Dwyer, K.S., Morgan, M.J., Maddock Parsons, D., Brodie, W.B., Rideout, R. and Healey, B.P. 2012. An assessment of American plaice in NAFO Div. 3LNO. NAFO SCR Doc. 12/33.
- Edwards, A.M., Haigh, R. and Starr, P.J. 2014. Pacific Ocean Perch (*Sebastes alutus*) stock assessment for the north and west coasts of Haida Gwaii, British Columbia. DFO Can. Sci. Advis. Sec. Res. Doc. 2013/092. vi + 126 p.
- Edwards, A.M., Haigh, R. and Starr, P.J. 2014. Pacific Ocean Perch (*Sebastes alutus*) stock assessment for the west coast of Vancouver Island, British Columbia. DFO Can. Sci. Advis. Sec. Res. Doc. 2013/093. vi + 135 p.
- Florstrand, L., Schweigert, J., Boldt, J.L., McFarlane, S. and Mah, J. 2015. Review of harvest control rules for the Pacific Sardine (*Sardinops sagax*) population, and harvest advice for 2013 and 2014. DFO Can. Sci. Advis. Sec. Res. Doc. 2014/113. x + 63 p.
- Forrest, R.E., Rutherford, K.L., Lacko, L., Kronlund, A.R., Starr, P.J. and McClelland, E.K. 2015. Assessment of Pacific Cod (*Gadus macrocephalus*) for Hecate Strait (5CD) and Queen Charlotte Sound (5AB) in 2013. DFO Can. Sci. Advis. Sec. Res. Doc. 2015/052. xii + 197 p.

- Fowler, G.M. 2012. Investigating Reference Points for American Plaice on the Scotian Shelf (4VWX). DFO Can. Sci. Advis. Sec. Res. Doc. 2012/030. ii + 13 p.
- Fowler, G.M. and Campana, S.E. 2015. Framework Assessment and 2013 Update using a Stage-based Population Model for Spiny Dogfish (*Squalus acanthias*) in the Northwest Atlantic. DFO Can. Sci. Advis. Sec. Res. Doc. 2015/065. v + 134 p.
- Gendron, L. and Savard, G. 2013. Evaluation de letat des stocks de crabe commun (*Cancer irroratus*) des eaux cotieres du Quebec en 2012. DFO Can. Sci. Advis. Sec. Res. Doc. 2013/057. xi + 85 p.
- Grandin, C.J., A.C. Hicks, A.M. Berger, A.M. Edwards, N. Taylor, I.G. Taylor and S. Cox. 2016. Status of the Pacific Hake (whiting) stock in U.S. and Canadian waters in 2016. Prepared by the Joint Technical Committee of the U.S. and Canada Pacific Hake/Whiting Agreement, National Marine Fisheries Service and Fisheries and Oceans Canada. 165 p.
- Grégoire, F., Girard, L., Beaulieu, J.-L., Lussier, J.F. and Bruneau, B. 2013. Capelin (*Mallotus villosus*) in the Estuary and Gulf of St. Lawrence (NAFO Divisions 4RST) in 2012. DFO Can. Sci. Advis. Sec. Res. Doc. 2013/023. vi + 90 p.
- Grégoire, F., Girard, L. and Boudreau, M. 2014. La pêche au maquereau bleu (*Scomber scombrus* L.) dans les sous-régions 3 et 4 de l'OPANO en 2013. DFO Can. Sci. Advis. Sec. Res. Doc. 2014/077. vi + 119 p.
- Hébert, M., Wade, E., DeGrâce, P. and Moriyasu, M. 2016. Review of the 2014 snow crab (*Chionoecetes opilio*) fishery in the southern Gulf of St. Lawrence (Areas 12, 19, 12E and 12F). DFO Can. Sci. Advis. Sec. Res. Doc. 2015/081. v + 43 p.
- Holt, K.R., Starr, P.J., Haigh, R. and Krishka, B. 2016. Stock Assessment and Harvest Advice for Rock Sole (*Lepidopsetta* spp.) in British Columbia. DFO Can. Sci. Advis. Sec. Res. Doc. 2016/009. ix + 256 p.
- ICCAT. 2013. Report of the 2013 Atlantic Swordfish Stock Assessment Session. Doc. No. SCI-036/2013.
- ICCAT. 2015. Report of Assessment and Research Activities 2014. 666 pp.
- ICCAT. 2015. Report of the 2014 Atlantic bluefin tuna stock assessment session. *Collective Volume of Scientific Papers*, **71**(2): 692-945.
- Ings, D.W., Dwyer, K.S., Rideout, R.M., Healey, B.P. and D. Power. 2015. Assessing the status of the Haddock (*Melanogrammus aeglefinus*) stock in NAFO Divisions 3LNO in 2014. DFO Can. Sci. Advis. Sec. Res. Doc. 2015/012. v + 38 p.
- King, J.R., Surry, A.M., Garcia, S. and Starr, P.J. 2015. Big skate (*Raja binoculata*) and Longnose skate (*R. rhina*) stock assessments for British Columbia. DFO Can. Sci. Advis. Sec. Res. Doc. 2015/070. ix + 329 p.
- LeBlanc, C.H., Mallet, A., Surette, T. and Swain, D. 2015. Assessment of the NAFO Division 4T southern Gulf of St. Lawrence Atlantic herring (*Clupea harengus*) stocks in 2013. DFO Can. Sci. Advis. Sec. Res. Doc. 2015/025. vi + 142 p.
- Lee, E. M., Rideout, R. and Ings, D. 2015. Pollock (*Pollachius virens*) in NAFO Subdivision 3Ps. DFO Can. Sci. Advis. Sec. Res. Doc. 2015/016 v + 19 p.

- Légaré, B., Beaulieu, J.-L., Girard, L. and Grégoire, F. 2014. Les stocks de hareng (*Clupea harengus harengus* L.) de la côte ouest de Terre-Neuve (Division 4R de l'OPANO) en 2013. DFO Can. Sci. Advis. Sec. Res. Doc. 2014/091. v + 74 p.
- Legault, C.M, Alade L., Busawon, D. and Stone, H.H. 2015. Stock assessment of Georges Bank yellowtail flounder for 2015. Transboundary Resources Assessment Committee Reference Document. 2015/01.
- Maddock Parsons, D. and Rideout, R.M. 2014. Update on witch flounder (*Glyptocephalus cynoglossus*) in NAFO Subdivision 3Ps: catch and survey Information for 2005-2013. DFO Can. Sci. Advis. Sec. Res. Doc. 2014/012. v + 26 p.
- Maddock Parsons, D., Morgan, J., Power, D. and Healey, B. 2015. Assessment of NAFO Div. 3LNO yellowtail flounder. NAFO SCR Doc. 15/029.
- Martell, S. 2009. Assessment and Management advice for Pacific hake in U.S. and Canadian waters in 2009. DFO Can. Sci. Advis. Sec. Res. Doc. 2009/021. iv + 54 p.
- McAllister, M. and Duplisea, D.E. 2011. Production model fitting and projection for Atlantic redfish (*Sebastes fasciatus* and *Sebastes mentella*) to assess recovery potential and allowable harm. DFO Can. Sci. Advis. Sec. Res. Doc. 2011/057 vi + 75 p.
- Mohn, R.K. and Rowe, S. 2012. Recovery potential assessment for the Laurentian South Designatable Unit of Atlantic cod (*Gadus morhua*): the Eastern Scotian Shelf cod stock (NAFO Div. 4VsW). DFO Can. Sci. Advis. Sec. Res. Doc. 2011/138: viii + 71p.
- Morgan, M.J., Dwyer, K.S. and Shelton, P.A. 2013. Reference points and assessment update for American Plaice (*Hippoglossoides platessoides*) in NAFO SA2 + Div. 3K and Subdiv. 3Ps. DFO Can. Sci. Advis. Sec. Res. Doc. 2012/152. iii + 64 p.
- Morgan, M.J., Dwyer, K.S., Healey, B.P. and Rideout, R.M. 2014. An assessment of the American plaice (*Hippoglossoides platessoides*) stock in NAFO Subdivision 3Ps. DFO Can. Sci. Advis. Sec. Res. Doc. 2014/098. v + 20 p.
- Morin, R., Swain, D.P. and LeBlanc, S.G. 2012. The status of NAFO Division 4T winter flounder (*Pseudopleuronectes americanus*), February 2012. DFO Can. Sci. Advis. Sec. Res. Doc. 2012/053. iii + 60 p.
- Morin, R., Swain, D.P. and LeBlanc, S.G. 2013. A biomass limit reference point for the NAFO 4T american plaice (*Hippoglossoides platessoides*) fishery. DFO Can. Sci. Advis. Sec. Res. Doc. 2012/108. ii + 37 p.
- Mullooney, D., Dawe, E., Coffey, W., Skanes, K., Hynick, E., Fiander, D., Quilty, S., Stansbury, D., Colbourne, E. and Maddock Parsons, D. 2015. An Assessment of Newfoundland and Labrador Snow Crab (*Chionoecetes opilio*) in 2013. DFO Can. Sci. Advis. Sec. Res. Doc. 2014/114. vi + 206 p.
- NAFO. 2011. The Canadian fishery for Greenland halibut in SA 2 + Div. 3KLMNO, with emphasis on 2010. NAFO SCR Doc. 11/44.
- NAFO. 2012. Report of Scientific Council Meeting, 3-16 June. NAFO SCS Doc. 12/19

- NAFO. 2015. Greenland halibut (*Reinhardtius hippoglossoides*) in NAFO Subarea 2 and Divisions 3KLMNO: stock trends based on annual Canadian research vessel survey results. NAFO SCR Doc. 15/041.
- Nozères, C., Gauthier, J., Bourdages, H. and Lambert, Y. 2015. Review of white hake (*Urophycis tenuis*) in the northern Gulf of St. Lawrence in support of a recovery Potential assessment. DFO Can. Sci. Advis. Sec. Res. Doc. 2015/076. vi + 56 p.
- Orr, D. and Sullivan, D. 2013. The February 2013 assessment of Northern Shrimp (*Pandalus borealis*) off Labrador and Northeastern Newfoundland. DFO Can. Sci. Advis. Sec. Res. Doc. 2013/055. vii + 144 p.
- Pezzack, D.S., Denton, C., Cassista-Da Ros, M. and Tremblay, M.J. 2015. Assessment of the Canadian LFA 41 offshore lobster (*Homarus americanus*) fishery (NAFO Divisions 4X 5Zc). DFO Can. Sci. Advis. Sec. Res. Doc. 2015/066. v + 79 p.
- Power, M.J., Fife, F.J., Knox, D., and Melvin, G.D. 2008. 2008 Assessment of 4VWX Herring. DFO Can. Sci. Advis. Sec. Res. Doc. 2008/023. iv + 76 p.
- Rideout, R.M., Ings, D.W., Healey, B.P., Bratney, J., Morgan, M.J., Maddock Parsons, D. and Vigneau, J. 2016. Assessing the status of the cod (*Gadus morhua*) stock in NAFO Subdivision 3Ps in 2013 and 2014. DFO Can. Sci. Advis. Sec. Res. Doc. 2016/018. v + 91 p.
- Roddick, D., Brading, J., Carrigan, L., Davignon-Burton, T., Graham, S. and McEwen, C. 2011. Assessment of the Arctic surfclam (*Mactromeris polynyma*) stock on Grand Bank. DFO Can. Sci. Advis. Sec. Res. Doc. 2011/052. v + 55 p.
- Rondeau, A., Hanson, J.M. and Comeau, M. 2014. Rock crab, *Cancer irroratus*, fishery and stock status in the southern Gulf of St. Lawrence: LFA 23, 24, 25, 26A and 26B. DFO Can. Sci. Advis. Sec. Res. Doc. 2014/032. vi + 52 p.
- Sameoto, J.A., Smith, S.J., Nasmith, L.E., Glass, A. and Denton, C. 2015. Scallop Fishing Area 29: Stock Status and Update for 2015. DFO Can. Sci. Advis. Sec. Res. Doc. 2015/067. v + 69 p.
- Savard, L. 2013. Update of the northern shrimp *Pandalus borealis* commercial fishery indices in the Estuary and the northern Gulf of St. Lawrence in 2012. DFO Can. Sci. Advis. Sec. Res. Doc. 2013/003. iv + 48 p.
- Schweigert, J., Wood, C., Hay, D., M. McAllister, Boldt, J., McCarter, B., Therriault, T.W. and H. Brekke. 2012. Recovery Potential Assessment of Eulachon (*Thaleichthys pacificus*) in Canada. DFO Can. Sci. Advis. Sec. Res. Doc. 2012/098. vii + 121 p.
- Showell, M., Stone, H., Clark, D. and Cook, A. 2015. Interim report on Scotian Shelf silver hake (NAFO DIVS. 4VWX) stock status. DFO Can. Sci. Advis. Sec. Sci. Resp. 2015/004.
- Siferd, T.D. 2015. 2015 Assessment of northern shrimp (*Pandalus borealis*) and Striped Shrimp (*Pandalus montagui*) in the eastern and western assessment zones (SFAs Nunavut, Nunavik and Davis Strait). DFO Can. Sci. Advis. Sec. Res. Doc. 2015/010. v + 70 p.
- Simpson, M.R., Miri, C.M. and Collins, R.K. 2014. Assessment of thorny skate (*Amblyraja radiata* Donovan, 1808) in NAFO Divisions 3LNO and subdivision 3Ps. NAFO SCR Doc. 14/023. 37 p.
- Simpson, M.R., Miri, C.M. and Collins, R.K. 2015. An assessment of white hake (*Urophycis tenuis*, Mitchell 1815) in NAFO Divisions 3N, 3O, and Subdivision 3Ps. NAFO SCR Doc. 15/023. 32 p.

- Simpson, M.R., Miri, C.M., Mello, L.G.S., Collins, R.K. and Bailey, J.A. 2013. Assessment of the potential for recovery of smooth skate (*Malacoraja senta* Garman 1885) in the Funk Island Deep Designatable Unit. DFO Can. Sci. Advis. Sec. Res. Doc. 2013/098. iv + 22 p.
- Stanley, R.D., McAllister, M. and Starr, P. 2012. Updated stock assessment for Bocaccio (*Sebastes paucispinis*) in British Columbia waters for 2012. DFO Can. Sci. Advis. Sec. Res. Doc. 2012/109. ix + 73 p.
- Stone, H.H. 2012. Biomass Reference Points for Eastern Component Pollock (4VW+4Xmn). DFO Can. Sci. Advis. Sec. Res. Doc. 2012/027. ii + 11 p.
- Stone, H.H. and Hansen, S.C. 2015. 4X5Y Haddock 2014 Framework assessment: Data inputs and exploratory modelling. DFO Can. Sci. Advis. Sec. Res. Doc. 2015/022. iv + 90 p.
- Swain, D.P., Benoit, H.P. and Aubry, E. 2012. Smooth skate (*Malacoraja senta*) in the southern Gulf of St. Lawrence: life history, and trends from 1971-2010 in abundance, distribution and potential threats. DFO Can. Sci. Advis. Sec. Res. Doc. 2012/033. iii + 34p.
- Swain, D.P., Hurlbut, T.R. and Benoit, H.P. 2012. Pre-COSEWIC review of variation in the abundance, distribution and productivity of white hake (*Urophycis tenuis*) in the southern Gulf of St. Lawrence, 1971-2010. DFO Can. Sci. Advis. Sec. Res. Doc. 2012/066. iii + 74 p.
- Swain, D.P., Savoie, L., and Aubry, E. 2012. Assessment of witch flounder (*Glyptocephalus cynoglossus*) in the Gulf of St. Lawrence (NAFO Divisions 4RST), February 2012. DFO Can. Sci. Advis. Sec. Res. Doc. 2012/122. iv + 65 p.
- Swain, D.P., Benoit, H.P., Daigle, D. and Aubry, E. 2012. Thorny skate (*Amblyraja radiata*) in the southern Gulf of St. Lawrence: life history, and trends from 1971 to 2010 in abundance, distribution and potential threats. DFO Can. Sci. Advis. Sec. Res. Doc. 2012/032. iii + 42 p.
- Swain, D.P., Savoie, L., Cox, S.P. and Aubry, E. 2015. Assessment of the southern Gulf of St. Lawrence Atlantic cod (*Gadus morhua*) stock of NAFO Div. 4T and 4Vn (November to April), March 2015. DFO Can. Sci. Advis. Sec. Res. Doc. 2015/080. xiv + 137 p.
- Trottier, S. and Goudreau, P. 2015. Evaluation des stocks de mactre de Stimpson (*Mactromeris polynyma*) des eaux cotieres du Quebec en 2014. DFO Can. Sci. Advis. Sec. Res. Doc. 2015/063. ix + 72 p.
- Van Eeckhaute, L. and Brooks E.N. 2014. Assessment of Eastern Georges Bank haddock for 2014. Transboundary Resources Assessment Committee Working Paper. ii + 94 p.
- Yamanaka, K.L., McAllister, M.K., Etienne, M.P. and Flemming, R. 2012. Stock Assessment and Recovery Potential Assessment for Quillback Rockfish (*Sebastes maliger*) on the Pacific Coast of Canada. DFO Can. Sci. Advis. Sec. Res. Doc. 2011/135. vii + 151 p.
- Yamanaka, K. L., McAllister, M. K., Olesiuk, P. F., Etienne, M.-P., Obradovich, S. and Haigh, R. 2012. Stock Assessment for the inside population of yelloweye rockfish (*Sebastes ruberrimus*) in British Columbia, Canada for 2010. DFO Can. Sci. Advis. Sec. Res. Doc. 2011/129. xiv + 131 p.