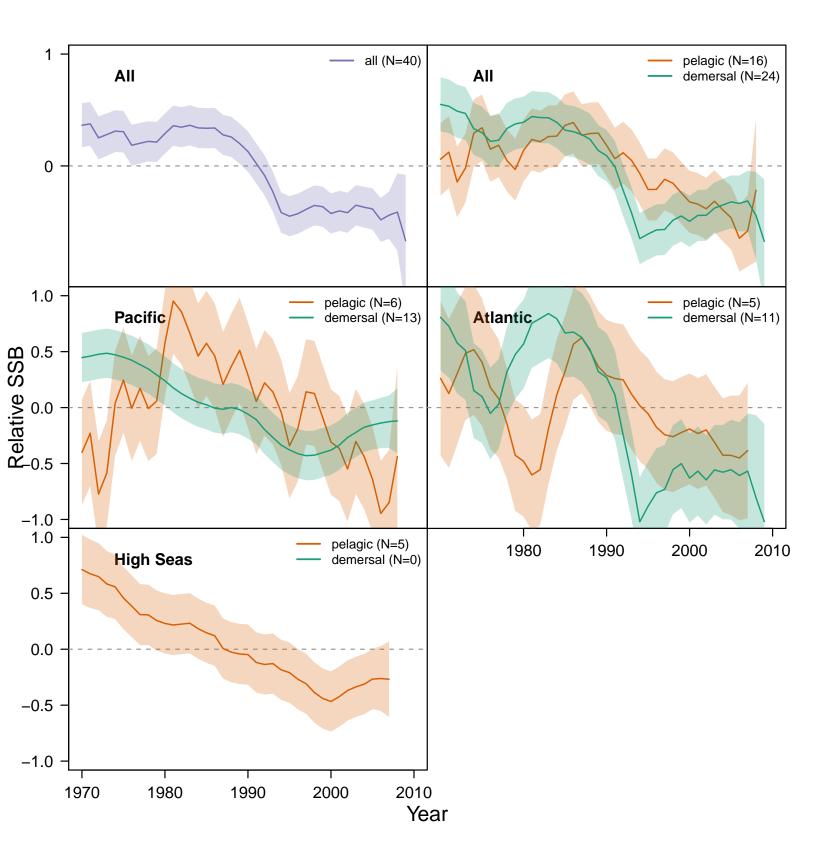
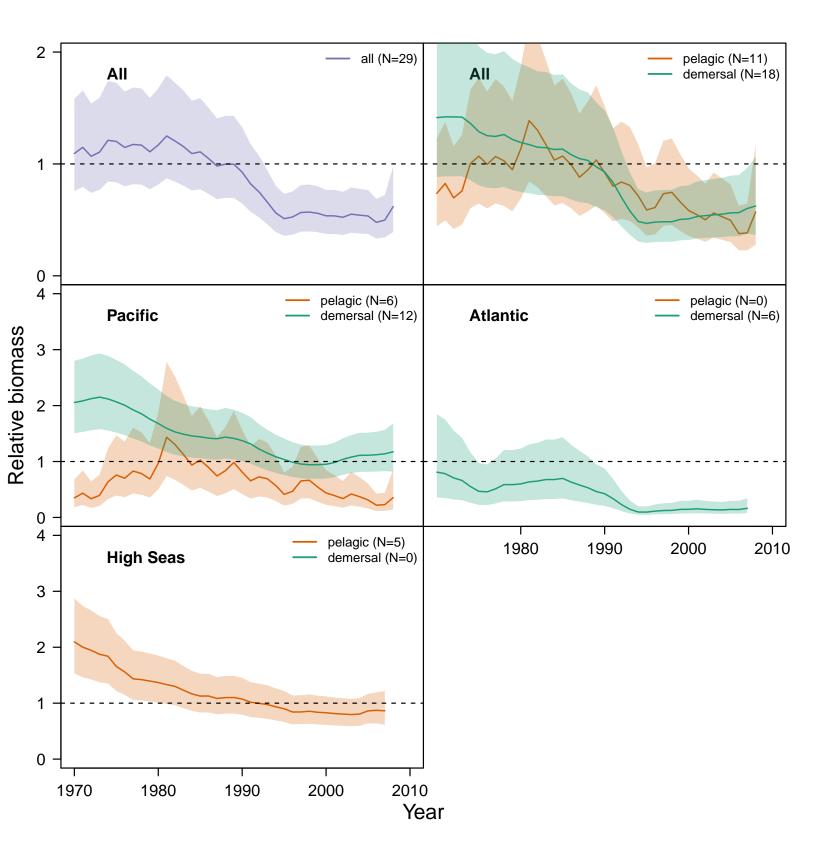
Stocks of Canadian interest (for the Royal Society of Canada - Expert Panel on Oceans Health and Biodiversity)

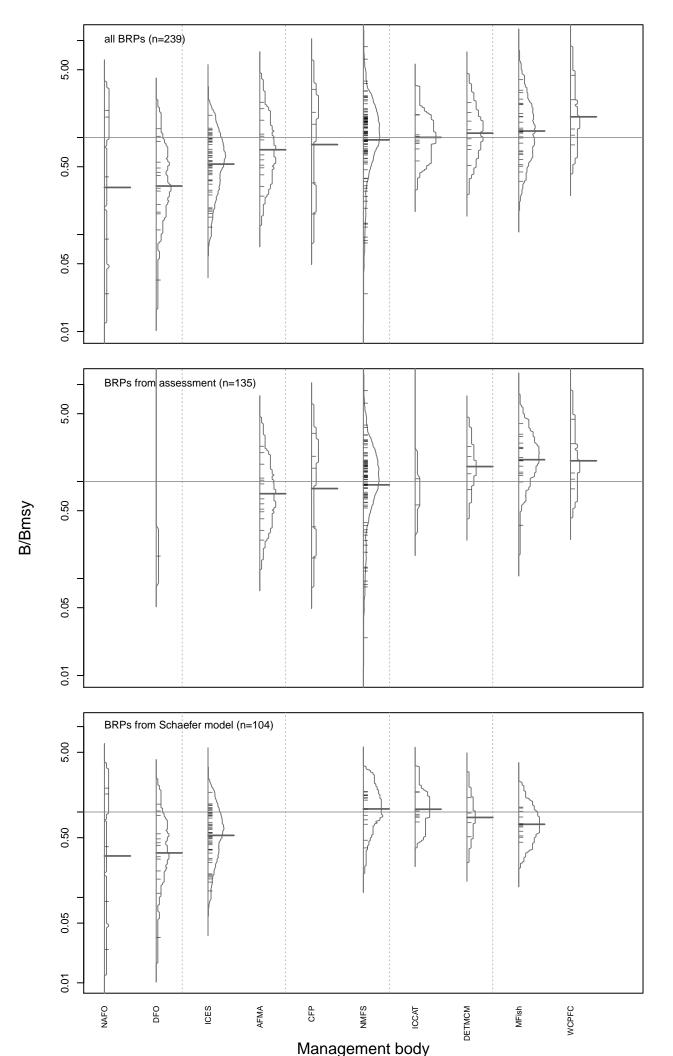
Jeffrey Hutchings * Daniel Ricard March 22, 2011

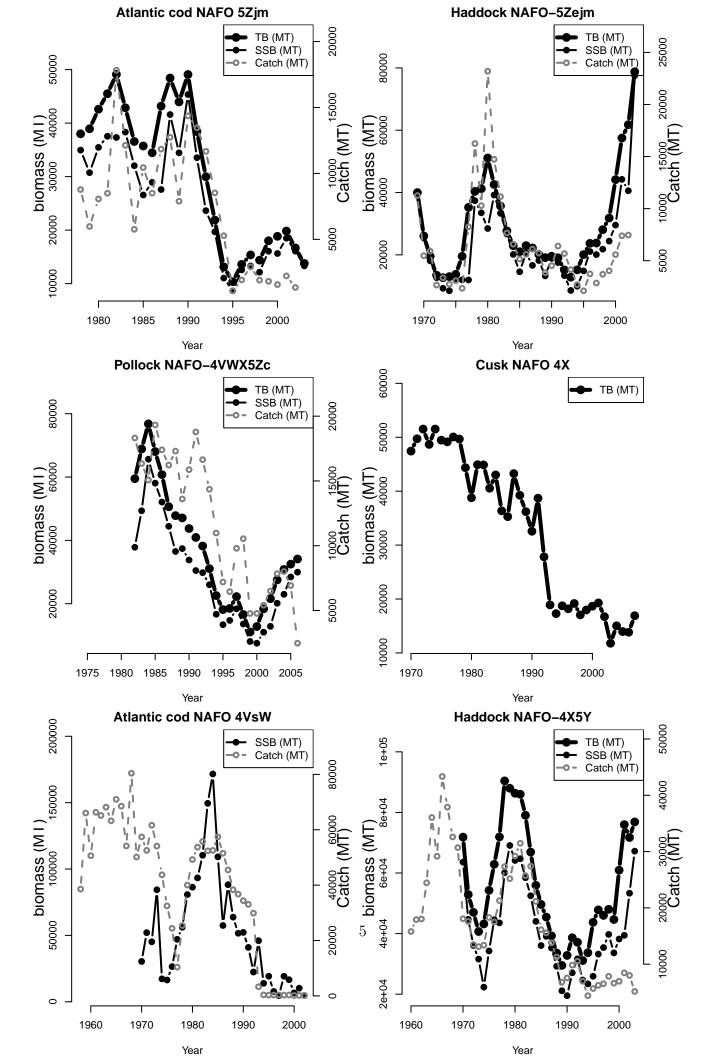
1 Summary plots

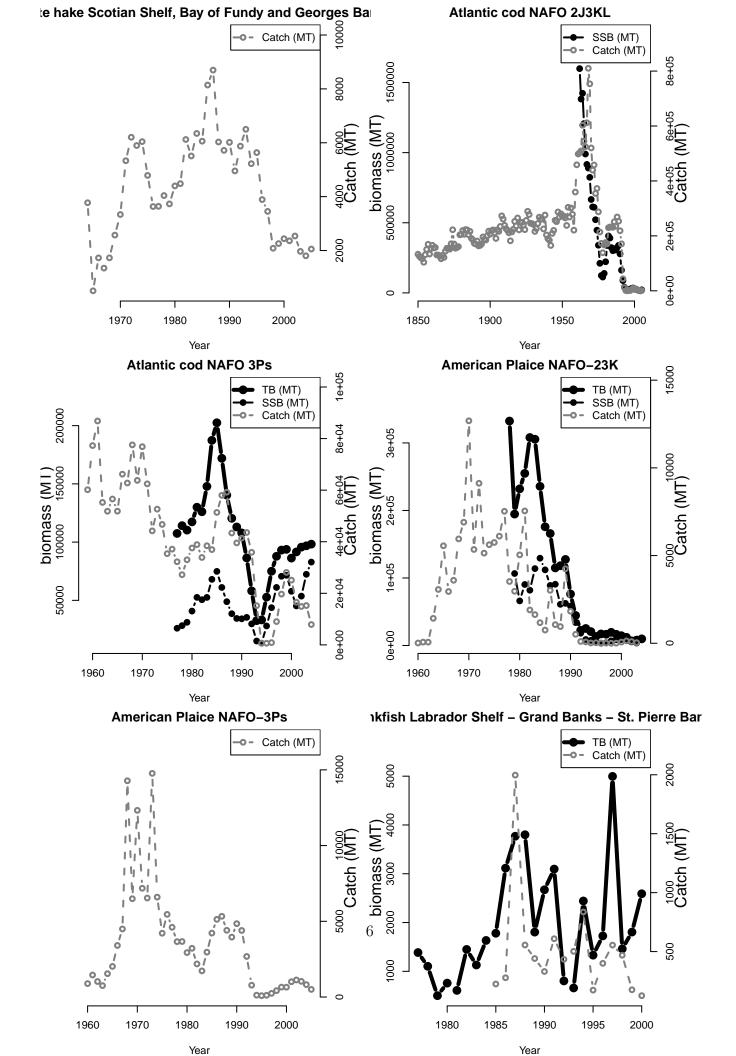
^{*}Dalhousie University, Halifax, NS, Canada

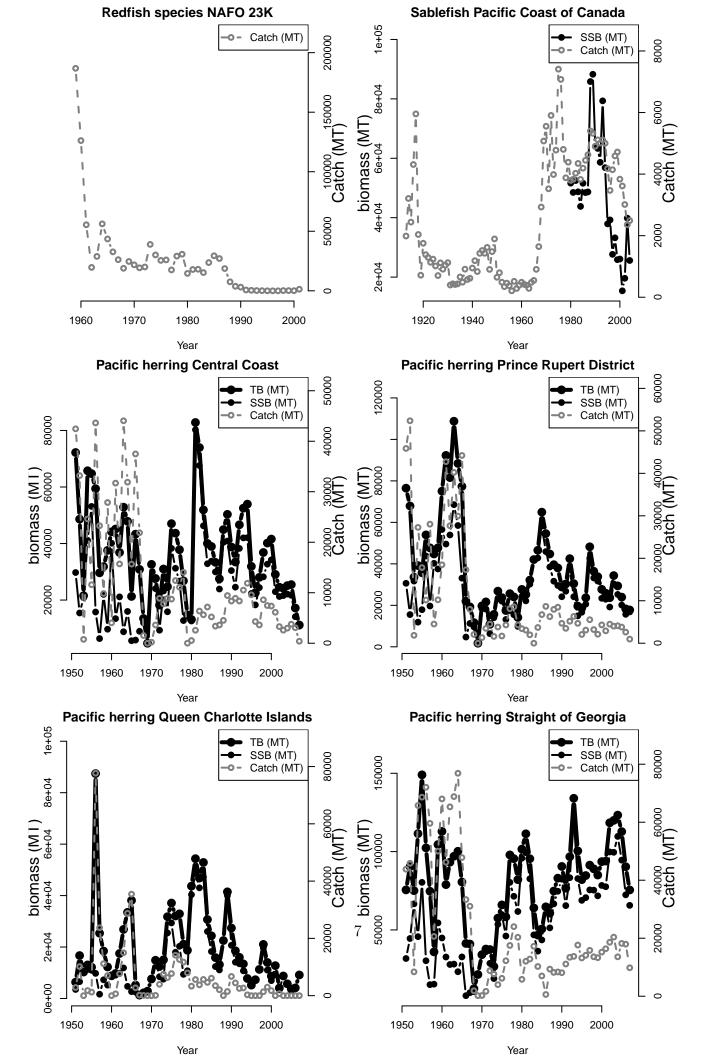


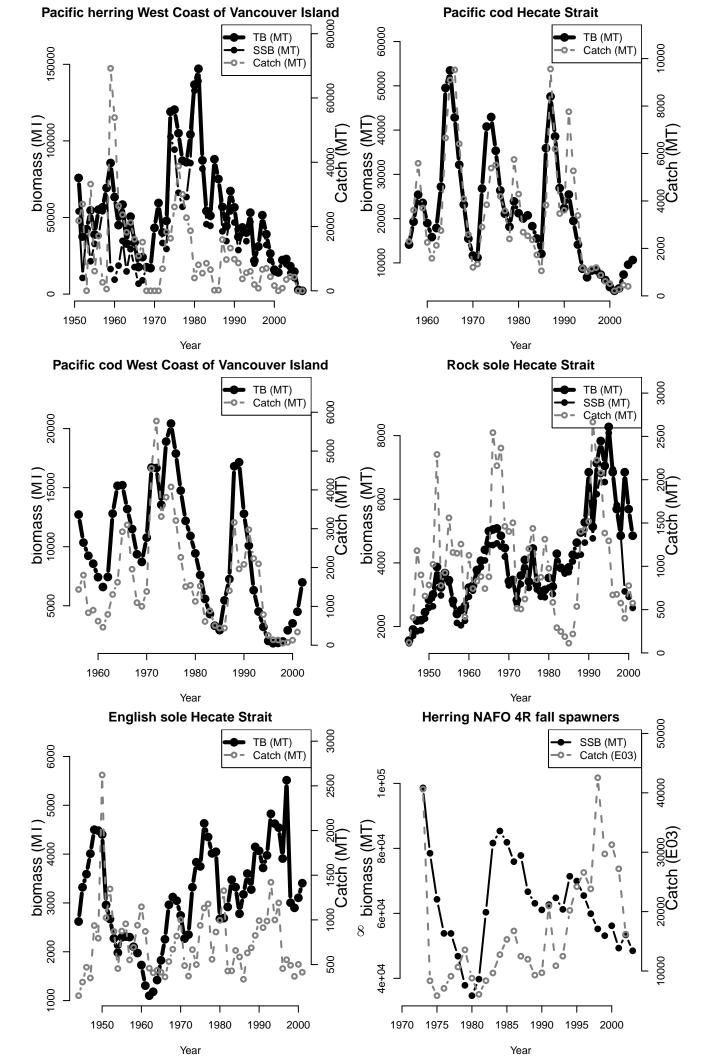


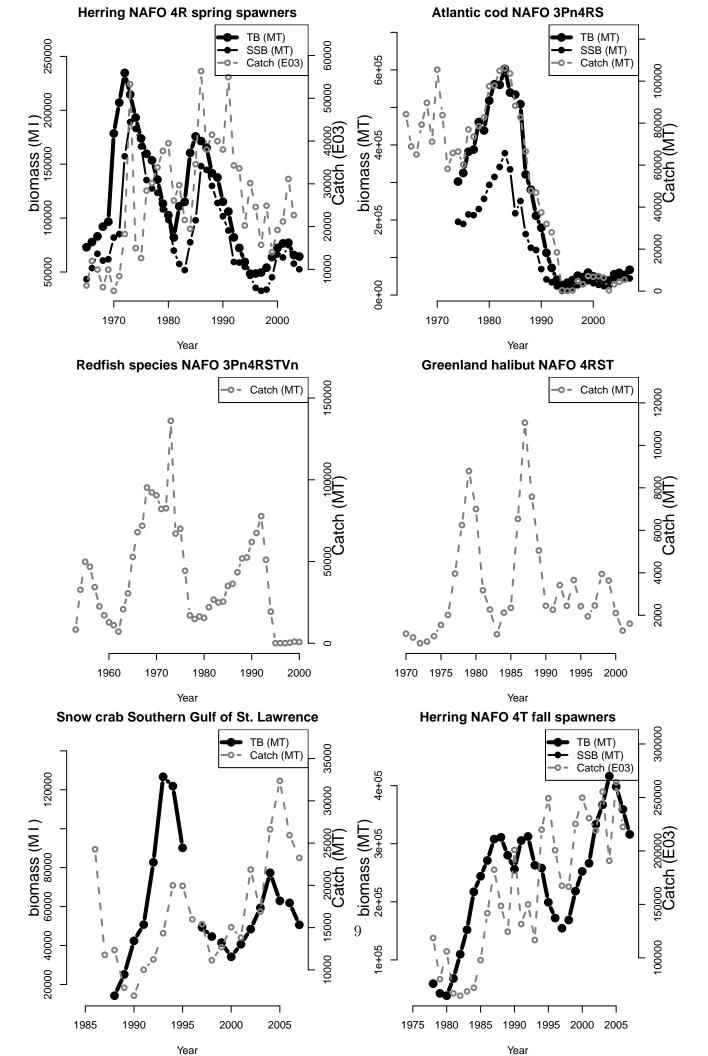


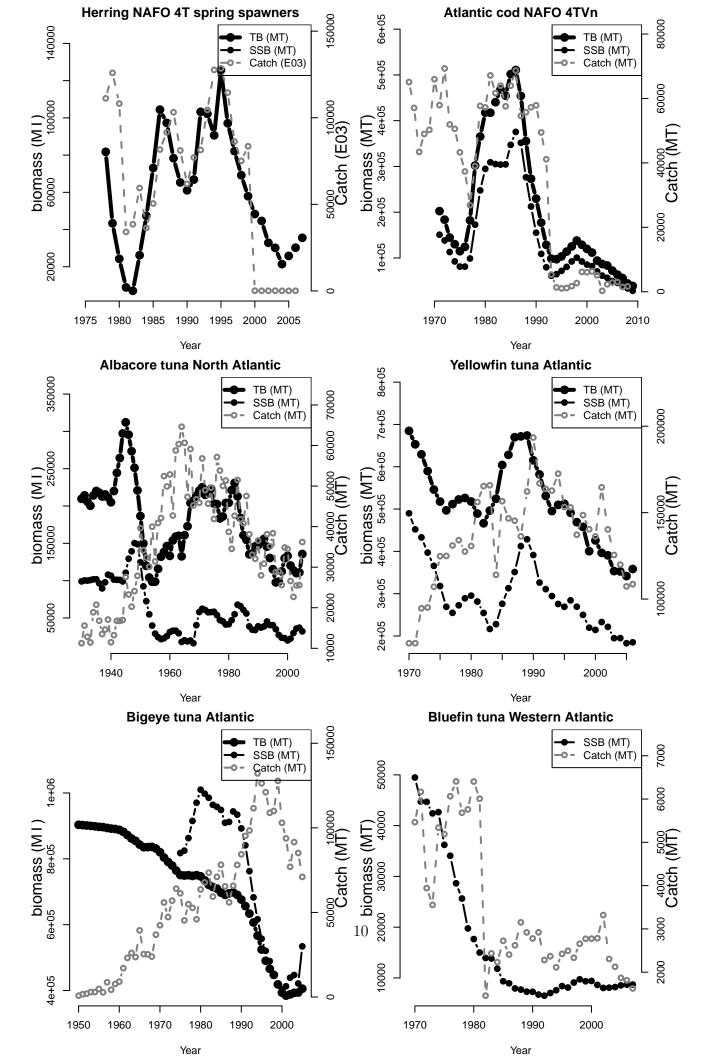


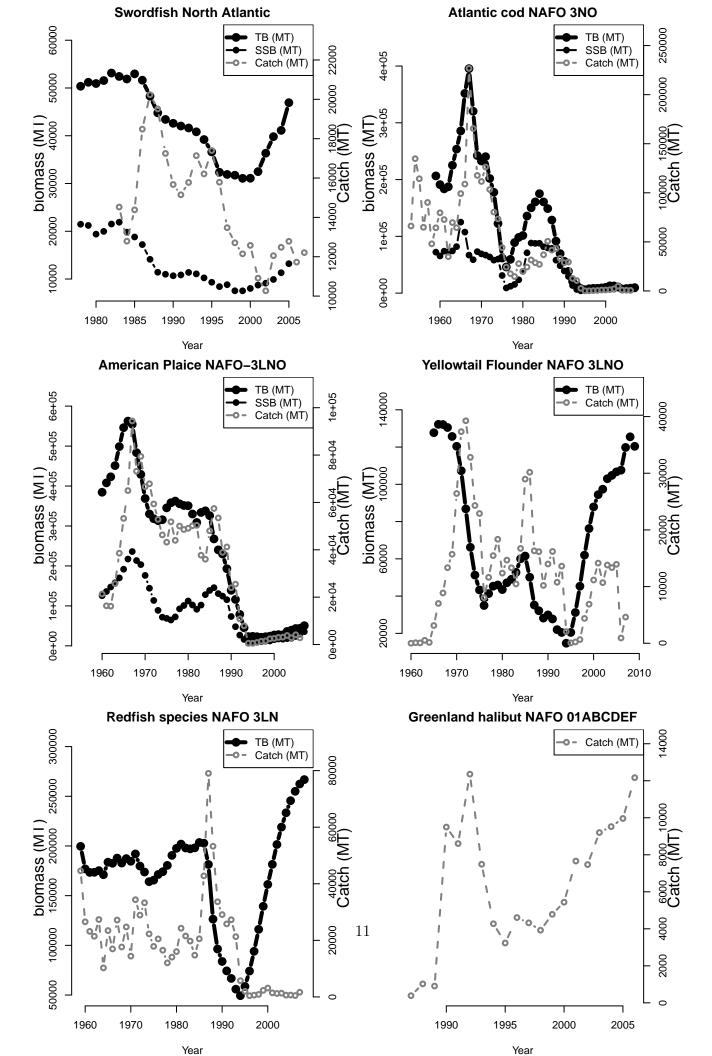


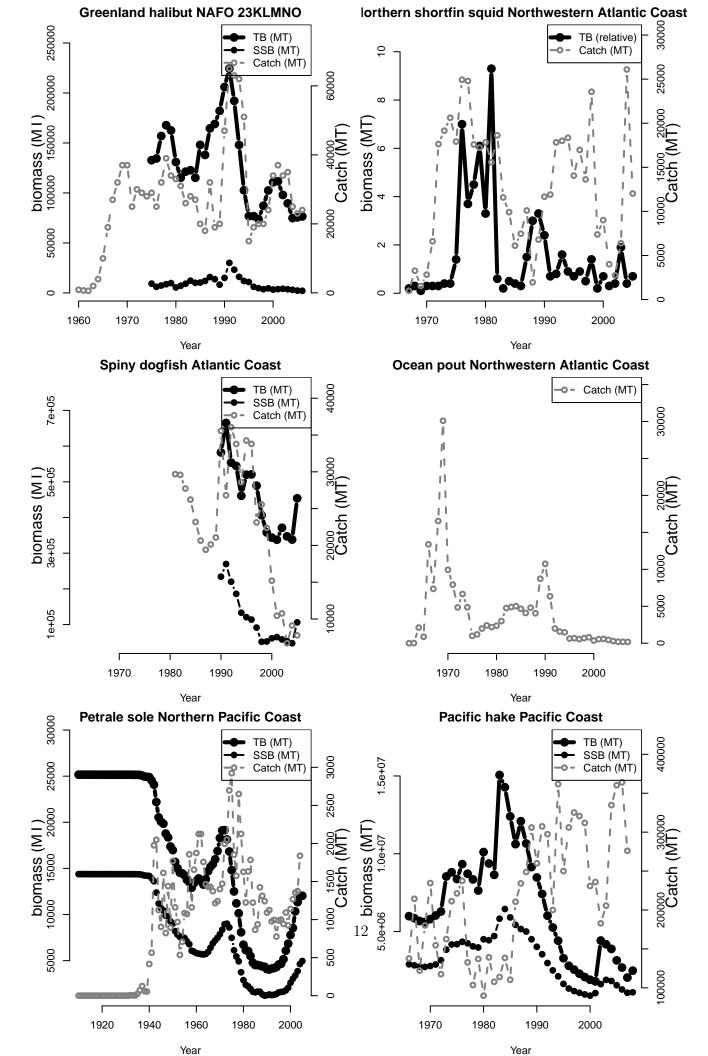


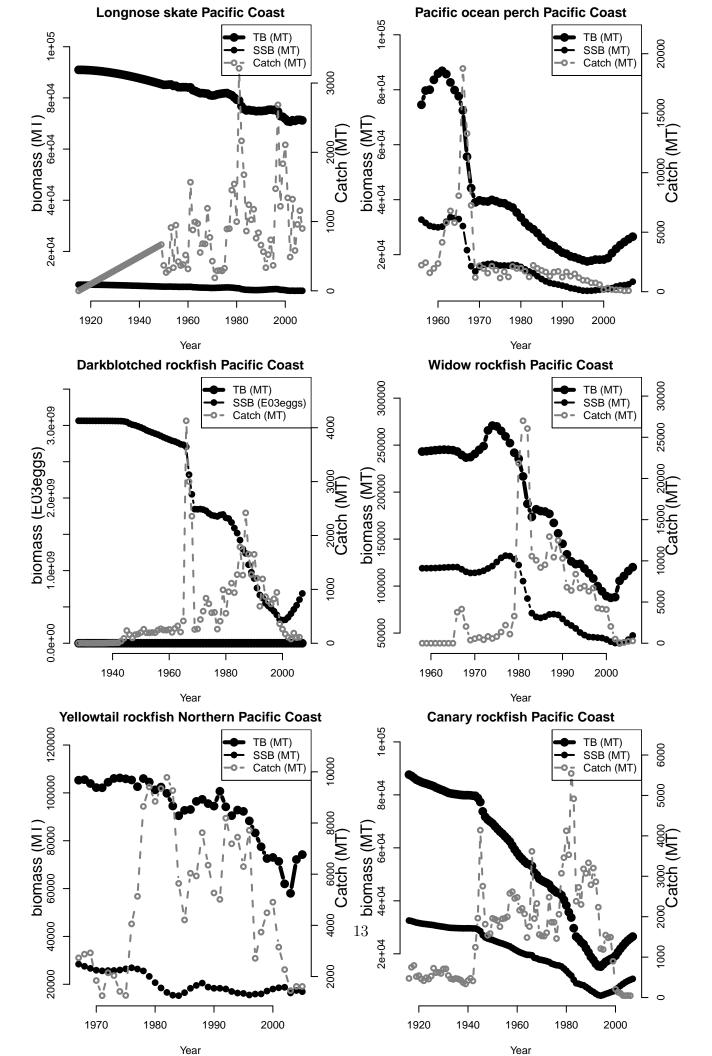


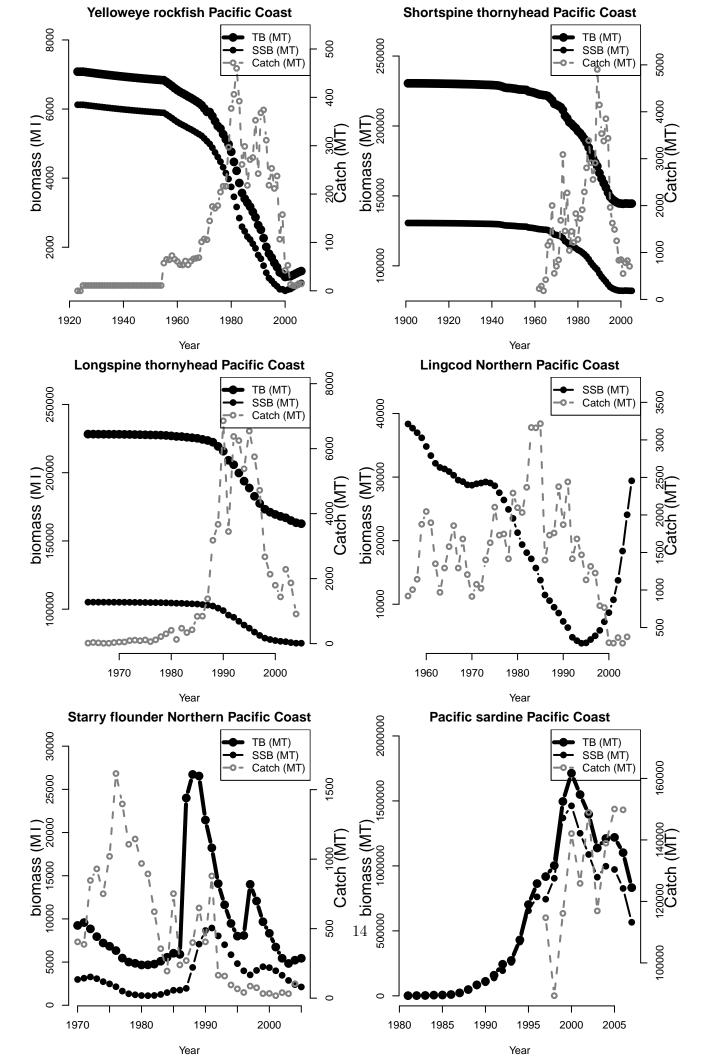


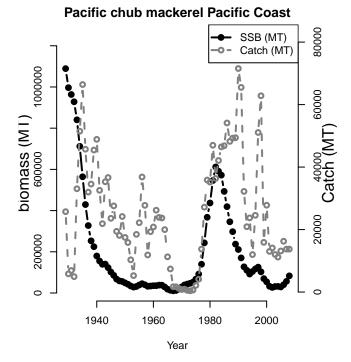












2 List of stocks

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stock	species	mgmt	years	LME
Herring Scotian Shelf and Bay of Fundy	Clupea harengus	DFO	1965-2006	Scotian Shelf
Atlantic cod NAFO 5Zjm	Gadus morhua	DFO	1978-2003	Northeast U.S. Continental Shelf
Haddock NAFO- 5Zejm	Melanogrammus aeglefinus	DFO	1968-2003	Northeast U.S. Continental Shelf
Pollock NAFO- 4VWX5Zc	Pollachius virens	DFO	1974-2007	Northeast U.S. Continental Shelf
Cusk NAFO 4X	Brosme brosme	DFO	1970-2007	Northeast U.S. Continental Shelf
$\begin{array}{ccc} {\rm Atlantic} & {\rm cod} & {\rm NAFO} \\ {\rm 4VsW} & & \end{array}$	Gadus morhua	DFO	1958-2002	Scotian Shelf
$\begin{array}{ll} {\rm Haddock} & {\rm NAFO} \\ {\rm 4X5Y} \end{array}$	Melanogrammus aeglefinus	DFO	1960-2003	Northeast U.S. Continental Shelf
White hake Scotian Shelf, Bay of Fundy and Georges Bank	Urophycis tenuis	DFO	1964-2005	Scotian Shelf
Atlantic cod NAFO 2J3KL	Gadus morhua	DFO	1850-2005	Newfoundland-Labrador Shelf
Atlantic cod NAFO 3Ps	Gadus morhua	DFO	1959-2004	Newfoundland-Labrador Shelf
American Plaice NAFO-23K	Hippoglossoides platessoides	DFO	1960-2004	Newfoundland-Labrador Shelf
American Plaice NAFO-3Ps	*	DFO	1960-2005	Newfoundland-Labrador Shelf

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	Monkfish Labrador Shelf - Grand Banks - St. Pierre Bank	Lophius americanus	DFO	1977-2000	Newfoundland-Labrador Shelf
	Redfish species NAFO 23K	Redfish species	DFO	1959-2001	Newfoundland-Labrador Shelf
	Sablefish Pacific Coast of Canada	Anoplopoma fimbria	DFO	1913-2004	Gulf of Alaska
	Pacific herring Central Coast	Clupea pallasii	DFO	1951-2007	Gulf of Alaska
	Pacific herring Prince Rupert District	Clupea pallasii	DFO	1951-2007	Gulf of Alaska
	Pacific herring Queen Charlotte Islands	Clupea pallasii	DFO	1951-2007	Gulf of Alaska
18	Pacific herring Straight of Geor- gia	Clupea pallasii	DFO	1951-2007	Gulf of Alaska
	Pacific herring West Coast of Vancouver Island	Clupea pallasii	DFO	1951-2007	Gulf of Alaska
	Pacific cod Hecate Strait	Gadus macro- cephalus	DFO	1956-2005	Gulf of Alaska
	Pacific cod West Coast of Vancouver	Gadus macro- cephalus	DFO	1956-2002	Gulf of Alaska
	Island Rock sole Hecate Strait	Lepidopsetta bilineata	DFO	1945-2001	Gulf of Alaska

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English sole Hecate	Parophrys vetulus	DFO	1944-2001	Gulf of Alaska
Strait Herring NAFO 4R fall spawners	Clupea harengus	DFO	1971-2003	Newfoundland-Labrador Shelf
Herring NAFO 4R spring spawners	Clupea harengus	DFO	1963-2004	Newfoundland-Labrador Shelf
Atlantic cod NAFO 3Pn4RS	Gadus morhua	DFO	1964-2007	Newfoundland-Labrador Shelf
Redfish species NAFO 3Pn4RSTVn	Redfish species	DFO	1953-2000	Newfoundland-Labrador Shelf
Greenland halibut NAFO 4RST	Reinhardtius hip-	DFO	1970-2002	Newfoundland-Labrador Shelf
Snow crab Southern	poglossoides Chionoecetes opilio	DFO	1984-2007	Scotian Shelf
Gulf of St. Lawrence Herring NAFO 4T fall	Clupea harengus	DFO	1974-2007	Scotian Shelf
spawners Herring NAFO 4T	Clupea harengus	DFO	1974-2007	Scotian Shelf
spring spawners Atlantic cod NAFO	Gadus morhua	DFO	1965-2009	Scotian Shelf
4TVn Albacore tuna North	Thunnus alalunga	ICCAT	1929-2005	Atlantic High Seas
Atlantic Yellowfin tuna At-	Thunnus albacares	ICCAT	1970-2006	Atlantic High Seas
lantic Bigeye tuna Atlantic	Thunnus obesus	ICCAT	1950-2005	Atlantic High Seas
Bluefin tuna Western Atlantic	Thunnus thynnus	ICCAT	1969-2007	Atlantic High Seas

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Swordfish North Atlantic	Xiphias gladius	ICCAT	1978-2007	Atlantic High Seas
Atlantic cod NAFO 3NO	Gadus morhua	NAFO	1953-2007	Newfoundland-Labrador Shelf
American Plaice	Hippoglossoides	NAFO	1955 - 2007	Newfoundland-Labrador Shelf
NAFO-3LNO	platessoides			
Yellowtail Flounder NAFO 3LNO	Limanda ferruginea	NAFO	1960-2009	Northeast U.S. Continental Shelf
Redfish species NAFO 3LN	Redfish species	NAFO	1959-2008	Newfoundland-Labrador Shelf
Greenland halibut	Reinhardtius hip-	NAFO	1987-2006	West Greenland Shelf
NAFO 01ABCDEF	poglossoides			
Greenland halibut NAFO 23KLMNO	Reinhardtius hip- poglossoides	NAFO	1960-2006	Newfoundland-Labrador Shelf
Northern shortfin squid Northwestern	Illex illecebrosus	NMFS	1967-2005	Northeast U.S. Continental Shelf
Atlantic Coast				
Spiny dogfish Atlantic Coast	Squalus acanthias	NMFS	1962-2006	Northeast U.S. Continental Shelf
Ocean pout Northwestern Atlantic	Zoarces americanus	NMFS	1962-2008	Northeast U.S. Continental Shelf
Coast	D 1 .	NIMER	1010 0005	
Petrale sole Northern Pacific Coast	Eopsetta jordani	NMFS	1910-2005	California Current
Pacific Loast Pacific hake Pacific	Merluccius produc-	NMFS	1966-2008	California Current
Coast Tachic	tus	111111.	1300-2000	Camorina Current

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Longnose skate Pacific	Raja rhina	NMFS	1915-2007	California Current
Coast				
Pacific ocean perch	Sebastes alutus	NMFS	1953-2007	California Current
Pacific Coast				
Darkblotched rockfish	Sebastes crameri	NMFS	1928-2007	California Current
Pacific Coast				
Widow rockfish Pa-	Sebastes entomelas	NMFS	1955-2006	California Current
cific Coast				
Yellowtail rockfish	Sebastes flavidus	NMFS	1967-2005	California Current
Northern Pacific				
Coast				
Canary rockfish Pa-	Sebastes pinniger	NMFS	1916-2007	California Current
cific Coast	•			
Yelloweye rockfish Pa-	Sebastes ruber-	NMFS	1923-2006	California Current
cific Coast	rimus			
Shortspine thorny-	Sebastolobus alas-	NMFS	1901-2005	California Current
head Pacific Coast	canus			
Longspine thornyhead	Sebastolobus al-	NMFS	1962-2005	California Current
Pacific Coast	tivelis			
Lingcod Northern Pa-	Ophiodon elonga-	NMFS	1956-2005	California Current
cific Coast	tus			
Starry flounder North-	Platichthys stella-	NMFS	1970-2005	California Current
ern Pacific Coast	tus			
Pacific sardine Pacific	Sardinops sagax	NMFS	1981-2007	California Current
Coast	1 0			

Pacific chub mackerel Scomber japonicus NMFS 1929-2008 California Current Pacific Coast

Table 1: Stocks present in the RAM Legacy database that inhabit Canadian waters and are of national relevance.