

2010 Overview of Mid-Atlantic Council Fisheries

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 Catch Share Workshop
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Mid-Atlantic Council Fishery Management Plans









Seven Fishery Management Plans (FMP)

- Five Wholly Mid-Atlantic Jurisdiction
- Two Jointly with New England Council

The FMPs govern 13 Species and 14 Stocks






Species Stock Status

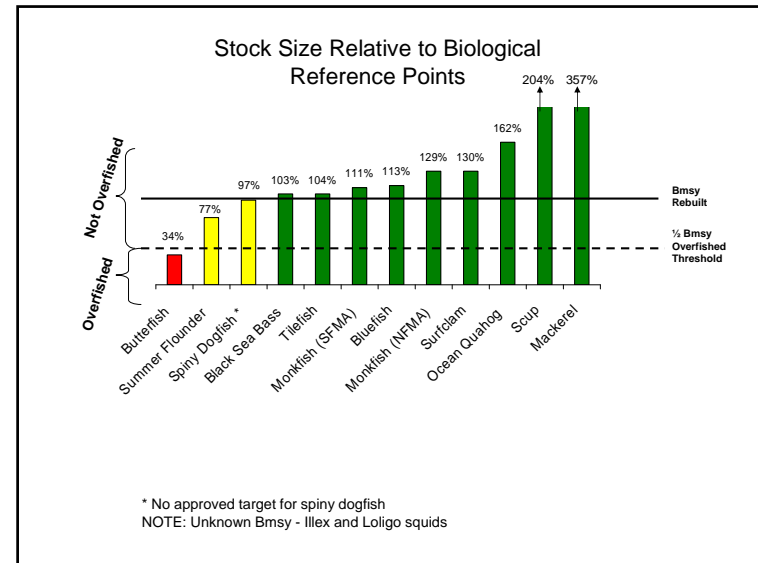
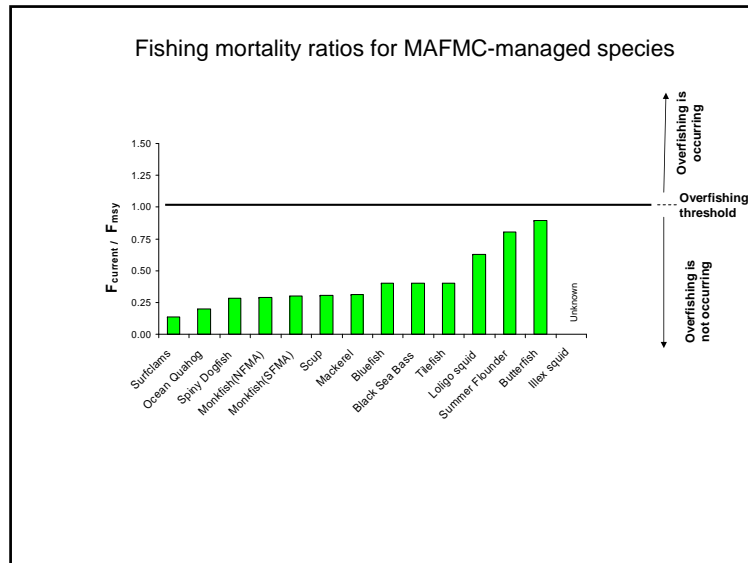
(As of December 31, 2009)

SPECIES	OVERFISHING	OVERFISHED	REBUILDING PROGRAM / STOCK STATUS
Summer Flounder 	No	No - Rebuilding	To be rebuilt by 2013. Most recent peer reviewed stock assessment was June 2008.
Scup 	No	No	To be rebuilt by 2015. Most recent assessment was December 2008.
Black Sea Bass 	No	No	To be rebuilt by 2010. Most recent assessment was December 2008.
Bluefish 	No	No	Most recent assessment (2005); stock currently above minimum stock size threshold. To be rebuilt by 2010.
Illex Squid 	No	Unknown	Most recent assessment (2006); not able to determine current exploitation rates or stock biomass.
Loligo Squid 	No	No	Most recent assessment was 2002.
Atlantic Mackerel 	No	No	Most recent assessment was 2005.
Butterfish 	No	Yes - Rebuilding	Most recent assessment was 2004. Rebuilding program outlined in Amendment 10.

Species Stock Status

(As of December 31, 2009)

SPECIES	OVERFISHING	OVERFISHED	REBUILDING PROGRAM / STOCK STATUS
Surfclam 	No	No	Most recent assessment was 2007.
Ocean Quahog 	No	No	Most recent assessment was 2007.
Tilefish 	No	No - Rebuilding	Most recent assessment (2005); stock currently above minimum stock threshold. To be rebuilt by 2011.
Spiny Dogfish (Joint management with NEFMC) 	No	No - Rebuilding	Most recent assessment (2006); based on approved threshold, biomass estimates indicate stock is not overfished.
Monkfish (Joint management with NEFMC) 	No (north and south management areas)	No (north and south management areas)	Most recent assessment was 2007; based on new reference points for both regions.



Summer Flounder

COMM PERMITS	652 / 939 active in 2008 (Moratorium permit – if possess more than 2 fish)
COMM FISHERY 2006-2008 average	11.0 million pounds (4,990 metric tons)
EX-VESSEL VALUE 2006-2008 average	\$23.6 million
REC FISHERY 2006-2008 average	9.8 million pounds (4,445 metric tons)
REC PERMITS (Party/Charter)	810 permits in 2008

Scup

COMM PERMITS	375 / 767 active in 2008 (Moratorium permit – if possess more than 15 fish)
COMM FISHERY 2006-2008 average	7.8 million pounds (3,538 metric tons)
EX-VESSEL VALUE 2006-2008 average	\$7.1 million
REC FISHERY 2006-2008 average	3.6 million pounds (1,633 metric tons)
REC PERMITS (Party/Charter)	719 permits in 2008

Black Sea Bass

COMM PERMITS 491 / 796 active in 2008
(Moratorium permit – if possess more than 25 fish)

COMM FISHERY 2.3 million pounds
2006-2008 average (1,043 metric tons)

EX-VESSEL VALUE \$6.7 million
2006-2008 average

REC FISHERY 2.1 million pounds
2006-2008 average (953 metric tons)

REC PERMITS 784 permits in 2008
(Party/Charter)

Summer Flounder, Scup, Black Sea Bass

PRIMARY MANAGEMENT

COMM fishery – commercial quota, gear requirements, possession limits, scup GRAs

REC fishery – recreational harvest limit (quota-based management), minimum size, season, possession limits

LAST MAJOR ACTIONS

Amendment 12 - Revised FMP to comply with the SFA and established framework adjustment process

Amendment 13 - Addressed disapproved sections of Amendment 12 and included new EIS

Amendment 14 - Established rebuilding schedule for scup

NEXT MAJOR ACTION ACLs and AMs.

Bluefish

NUMBER OF PERMITS 624 / 3,184 active in 2008

COMMERCIAL FISHERY 6.9 million pounds
2006-2008 average (3,121 metric tons)

EX-VESSEL VALUE: \$3.7 million
2006-2008 average

REC FISHERY 18.9 million pounds
2006-2008 average (8,593 metric tons)

REC PERMITS 941 permits in 2008
(Party/Charter)

Bluefish

STATUS Updated Stock Assessment (June 2009)

- Overfished? No/Rebuilt
- Overfishing? No

PRIMARY MANAGEMENT 17% of the TAL is allocated to the commercial fishery. Amendment 1 stipulates that if 17% of the TAL is less than 10.5 M lb, then the commercial quota can be increased up to 10.5 M lb if the rec fishery is projected to land less than 83% of the TAL for the upcoming year and provided that the combination of the projected recreational landings and the commercial quota does not exceed the TAL.

LAST MAJOR ACTION Amendment 1 (2000) - Brought the FMP into compliance with new and revised National Standards and other required provisions of the Sustainable Fisheries Act Implemented rebuilding plan. Required that a commercial quota and recreational harvest limit be based on projected stock size estimates as derived from the latest stock assessment information.

NEXT MAJOR ACTION (2010) ACLs & AMs.
(Amendment 3)

Mackerel

COMM PERMITS 215 / 2342 active in 2008
(Open Access Permit Required)

COMM FISHERY 76.5 million pounds
2006-2008 average (34,719 metric tons)

EX-VESSEL VALUE \$10.1 million
2006-2008 average

REC FISHERY 2.4 million pounds
2006-2008 average (1,069 metric tons)

No overfishing, not overfished (2004) – 2010 TRAC Pending

Illex Squid

COMM PERMITS 17 / 77 active in 2008
(Moratorium permit to possess more than 10,000 pounds)

COMM FISHERY 28.6 million pounds
2006-2008 average (12,955 metric tons)

EX-VESSEL VALUE \$6.7 million
2006-2008 average

Overfishing unlikely, stock status unknown (2004)

Loligo Squid

COMM PERMITS 190 / 371 active in 2008
(Moratorium permit to possess more than 2,500 pounds)

COMM FISHERY 29.1 million pounds
2006-2008 average (13,217 metric tons)

EX-VESSEL VALUE \$24.8 million
2006-2008 average

Overfishing unlikely, unlikely overfished (2000). Dec 2010 assessment scheduled.

Butterfish

COMM PERMITS 164 / 371 active in 2008
(Moratorium permit to possess more than 600 pounds)

COMM FISHERY 1.2 million pounds
2006-2008 average (560 metric tons)

EX-VESSEL VALUE \$0.9 million
2006-2008 average

Overfishing unlikely, stock status unknown (2010)
-Declining trend likely due to factors other than fishing

Mackerel, Squid, Butterfish

PRIMARY MANAGEMENT

COMM fishery – commercial quota, in-season closures, gear requirements, possession limits, GRAs for bycatch of other species

REC fishery – only mackerel - recreational harvest unmanaged, small compared to quota

LAST MAJOR ACTIONS

Amendment 10 – Butterfish rebuilding; bycatch minimization

NEXT MAJOR ACTIONS

Amendment 11 – mackerel limited access, EFH, Rec/Com mackerel allocation

Amendment 13 – ACLs/AMs

Amendment 14 – Squid “catch shares”; river herring bycatch

Surfclams

NUMBER OF PERMITS	891
NUMBER OF VESSELS LANDING	32
LANDINGS:	
2006-2008 average	3.1 million bushels (52.1million pounds)
EX-VESSEL VALUE:	\$37.1 million
REC FISHERY	Insignificant
STATUS	NOT OVERFISHED NO OVERFISHING
PRIMARY MANAGEMENT	ITQs
LAST MAJOR ACTION	Framework 1 – VMS
NEXT MAJOR ACTION	Amendment 15 – EFH update, cost recovery, excessive shares, data collection, OQ overfishing definition

Ocean Quahogs

(Excludes Maine small-scale fishery)

NUMBER OF PERMITS	870
NUMBER OF VESSELS LANDING	18
LANDINGS:	
2006-2008 average	3.2 million bushels (32.1million pounds)
EX-VESSEL VALUE:	\$20.3 million
REC FISHERY	Insignificant
STATUS	NOT OVERFISHED NO OVERFISHING
PRIMARY MANAGEMENT	ITQs
LAST MAJOR ACTION	Framework 1 – VMS
NEXT MAJOR ACTION	Amendment 15 – EFH update, cost recovery, excessive shares, data collection, OQ overfishing definition

Tilefish

NUMBER OF PERMITS	
• ITQ – Initial Allocation	13 Vessels
Amendment 1 implemented ITQ system-became effective 1 Nov 2009	
• Incidental category (Amendment 1) – 300 lb trip limit	2,256 Vessels
LANDINGS:	
2006-2008 average	816 metric tons (1.8 million pounds)
EX-VESSEL VALUE:	\$4.6 million
2006-2008 average	
REC FISHERY	Insignificant (i.e., < than 1 metric ton 2,205 pounds caught annually)

Tilefish

STATUS	SAW 2009
• Overfished?	No/Rebuilt*
• Overfishing?	No
<i>* The SARC48 Review Panel concluded that the tilefish projections are useful for displaying the extent of uncertainty in future stock size, but not for predicting future stock size.</i>	
PRIMARY MANAGEMENT	Incidental category (open access) gets 5% overall TAL, 95% of the TAL goes to IFQ permit holders. 300 lb/trip limit for the incidental category.
LAST MAJOR ACTION	ITQ for Limited Access category. Established recreational party/charter permits and bag limits. Revised the identification and description of EFH. Established GRAs. (Amd1 - 2009)
NEXT MAJOR ACTION (2011)	ACLs & AMs. (Amendment 2)

Spiny Dogfish

NUMBER OF PERMITS	229 / 3,012 active in 2008
COMMERCIAL FISHERY 2006-2008 average	7.3 million pounds (3,325 metric tons)
EX-VESSEL VALUE: 2006-2008 average	\$1.6 million
REC FISHERY 2006-2008 average	18.9 million pounds (8,593 metric tons)

Spiny Dogfish

STATUS	Updated Stock Assessment (Fall 2009)
• Overfished?	No
• Overfishing?	No
PRIMARY MANAGEMENT	Coastwide commercial quota divided by periods. Period 1 (May 1 through October 31) with 57.9% of the quota and quota Period 2 (November 1 through April 30) with 42.1% of the quota. 3,000 lb trip limit.
LAST MAJOR ACTION	Framework 2 (2009) - Built flexibility into process to define and update status determination criteria.
NEXT MAJOR ACTION (2010)	ACLs & AMs. Amendment 3

Monkfish

NUMBER OF PERMITS	
• Limited access (Monkfish only permits)	758 / 276 active*
• Open access	2,200 / 479 active
LANDINGS 2004-2008 average	13,579 metric tons (29.9 million pounds)
EX-VESSEL VALUE	\$30.2 million
STATE WATERS LANDINGS	est. 1 million lbs. - about 3%
REC FISHERY	None
<i>* Active in terms of using a Monkfish-only DAS.</i>	

Monkfish

STATUS

- Overfished?
- Overfishing?

DPWG 2007
No – Rebuilt
No

PRIMARY MANAGEMENT

DAS/trip limits,
incidental catch limits
on all non-DAS fishing

LAST MAJOR ACTION

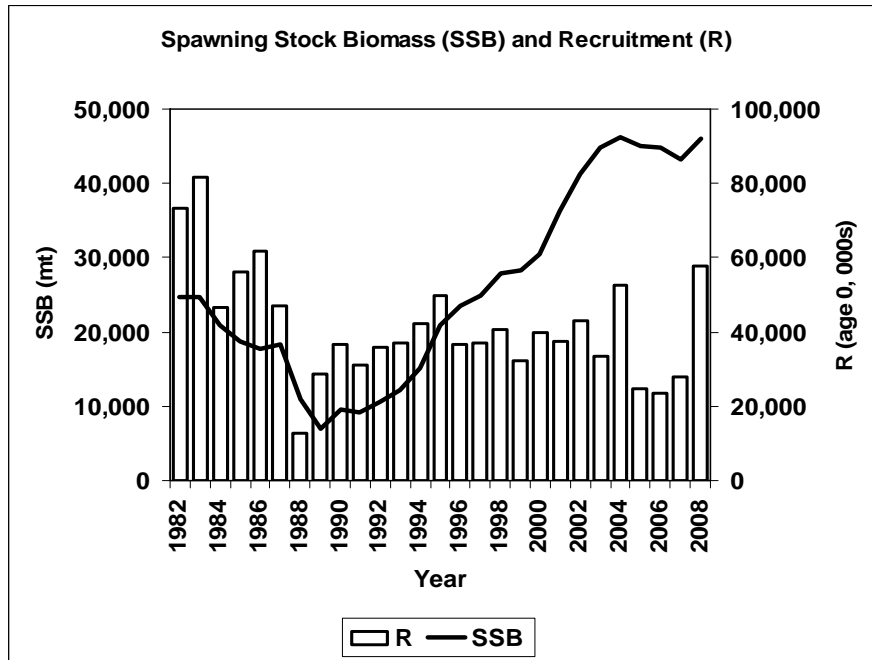
Removed the backstop
quota that would have
closed the fishery
(Framework 6 – 2008)

NEXT MAJOR ACTION

ACLs, AMs, etc.
(Amendment 5 - 2011)

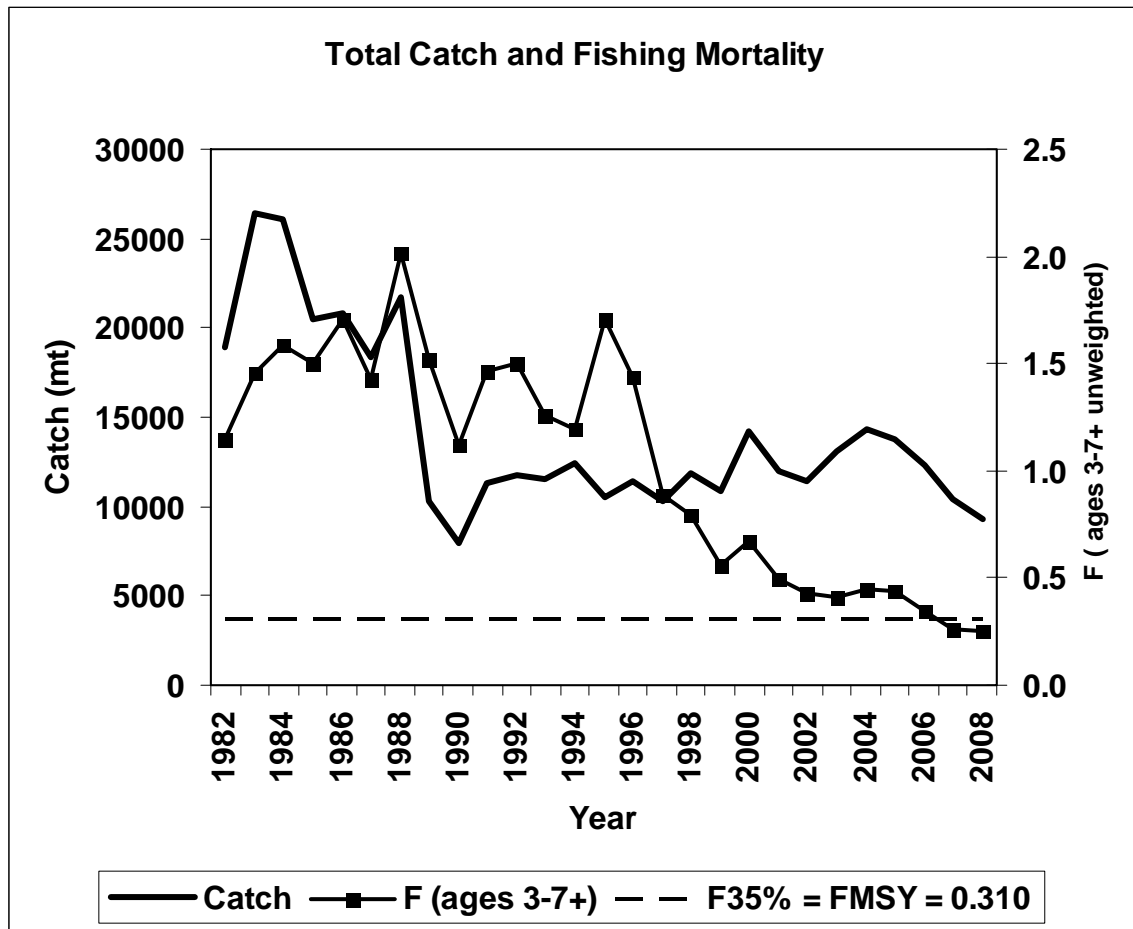
SPECIES	Average Commercial ex-vessel value, 2006-2008 (\$ Million)	2008	
		# active comm. vessels / # comm. permits issued / # p/c permits	# Directed recreational fishing trips
Summer Flounder	23.6	652 / 939 / 810	5,427,176 ^{c,d}
Scup	7.1	375 / 767 / 719	648,548 ^{c,d}
Black Sea Bass	6.7	491 / 796 / 784	245,323 ^{c,d}
Bluefish	2.7	624 / 3,184 / 941	2,215,488 ^{a,e}
Illex Squid	6.7	17 / 77 / 829	
Loligo Squid	24.8	190 / 371 / 829	
Atlantic Mackerel	10.1	215 / 2,342 / 829	---
Butterfish	0.9	164 / 371 / 829	
Surflam	37.1	32 / 891 / NA	
Ocean Quahog	20.3	18 / 870 ^a / NA	
Tilefish	4.6	13 ITO permits; 2,256 incidental permits; 201 p/c permits ^b	---
Spiny Dogfish	1.6	229 / 3,012 / NA	
Monkfish	30.2	LA - 276 / 758/ NA OA 479 / 2,200/ NA	

Summer Flounder - Stock Size Over Time

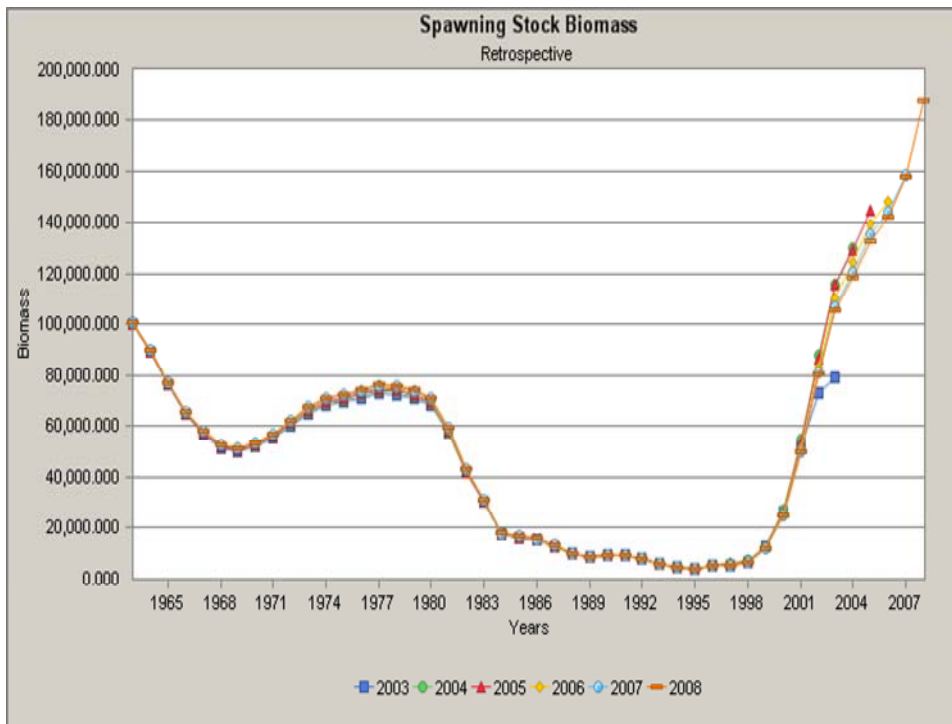


Southern Demersal Working Group Review June 17, 2009

Summer Flounder - Landings Over Time



Scup - Stock Size Over Time



Southern Demersal Working Group Review June 17, 2009

Scup - Landings/Discards Over Time

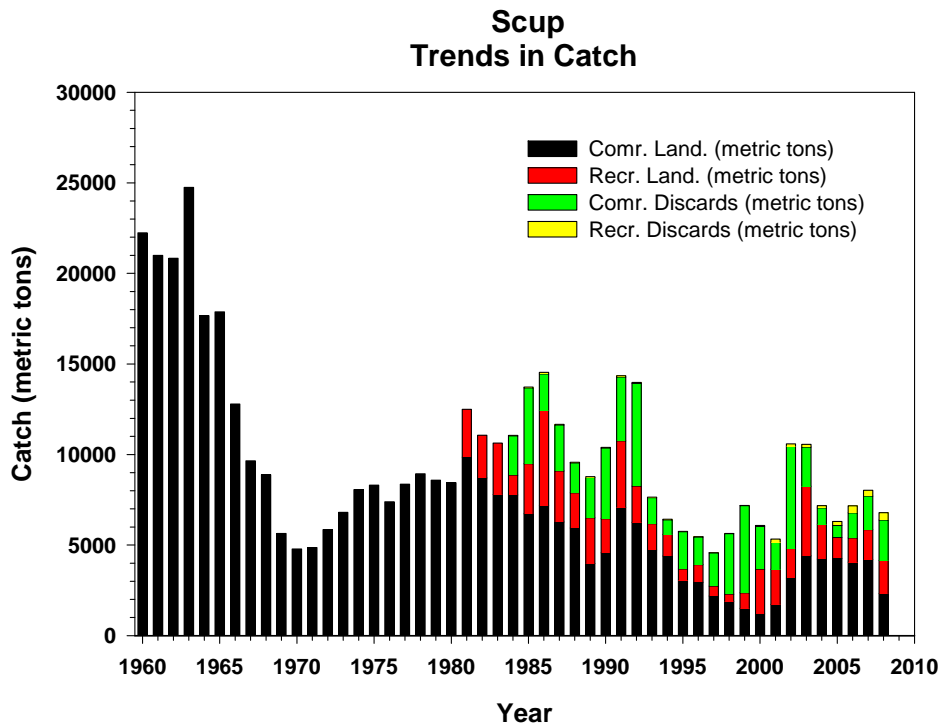
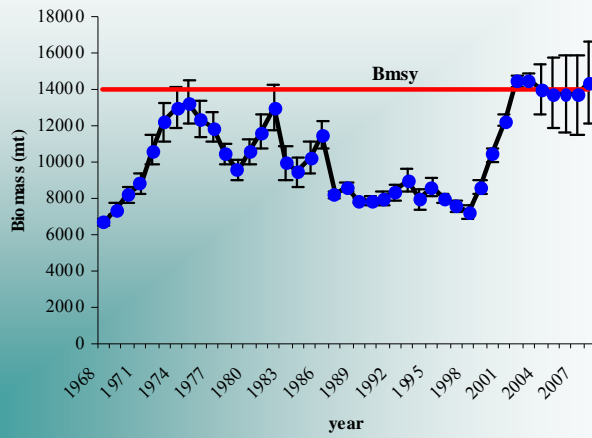


Figure 15.3. Trends in total fishery catch of scup.

Southern Demersal Working Group Review June 17, 2009

Black Sea Bass - Stock Size Over Time

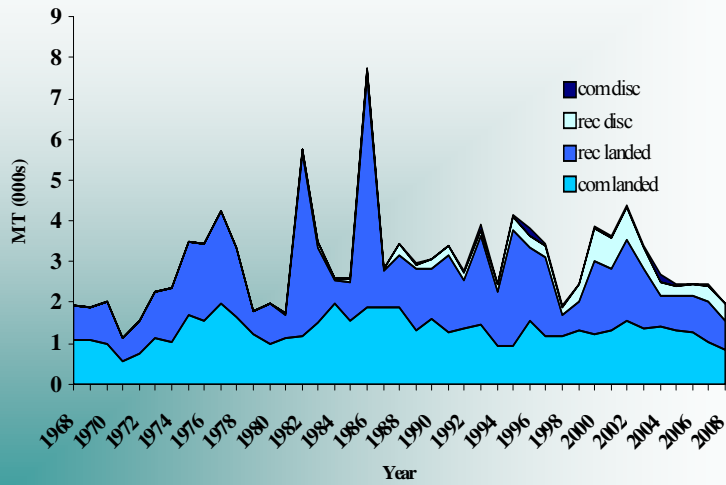
Wt'd Average Total Biomass \pm 95% CI from SCALE model estimates



Southern Demersal Working Group Review June 17, 2009

Black Sea Bass - Landings/Discards Over Time

Black sea bass catch estimates



Rec discard mortality = 25% Com discard mortality = 50%

Southern Demersal Working Group Review June 17, 2009

Bluefish - Stock Size Over Time

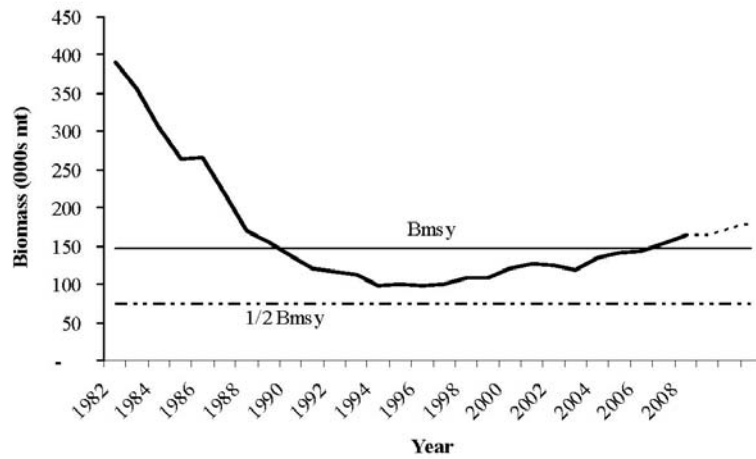
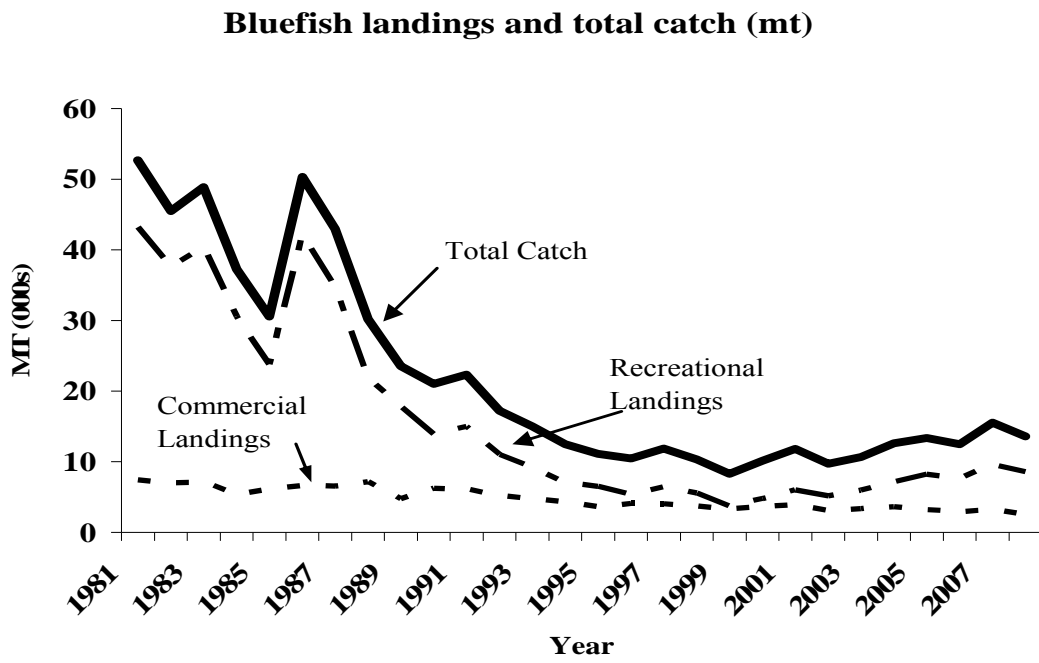


Figure 3. Atlantic coast bluefish biomass and biological reference points based on ASAP model results.

2009 ASMFC Bluefish SASC, June 2009

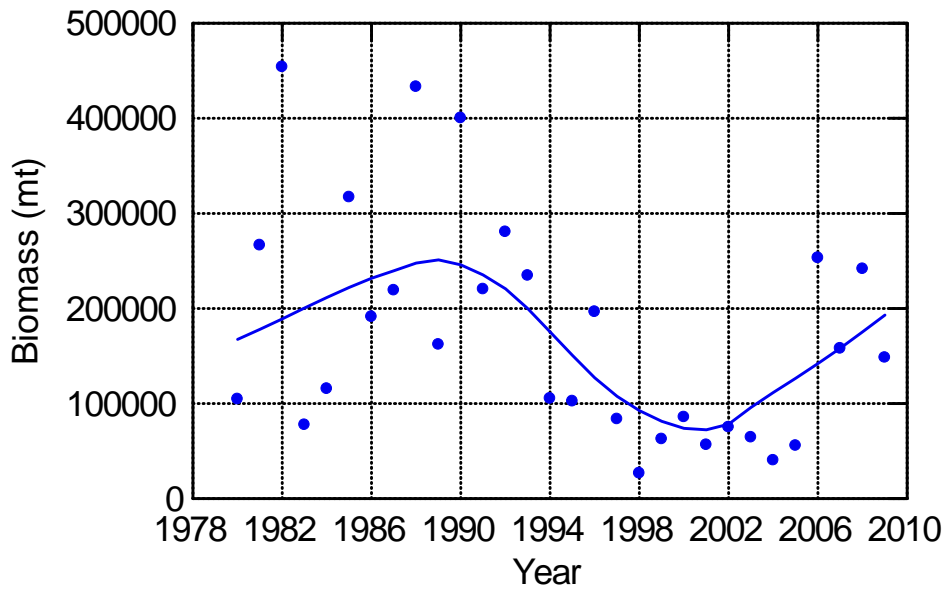
Bluefish - Landings Over Time



From Bluefish Assessment Update Summary June 2009

Spiny Dogfish - Stock Size Over Time

Female Spawning Stock (≥ 80 cm) (mt)



Line represents LOWESS smooth with tension = 0.5.

2009 NEFSC Status Update

Spiny Dogfish - Landings Over Time

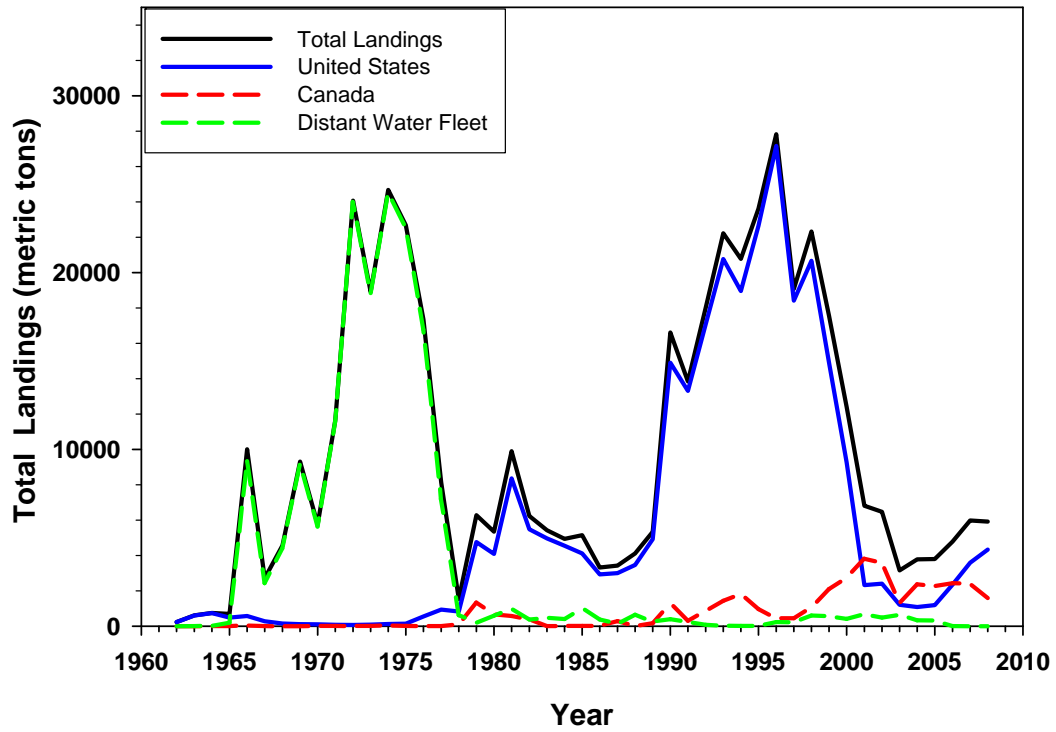
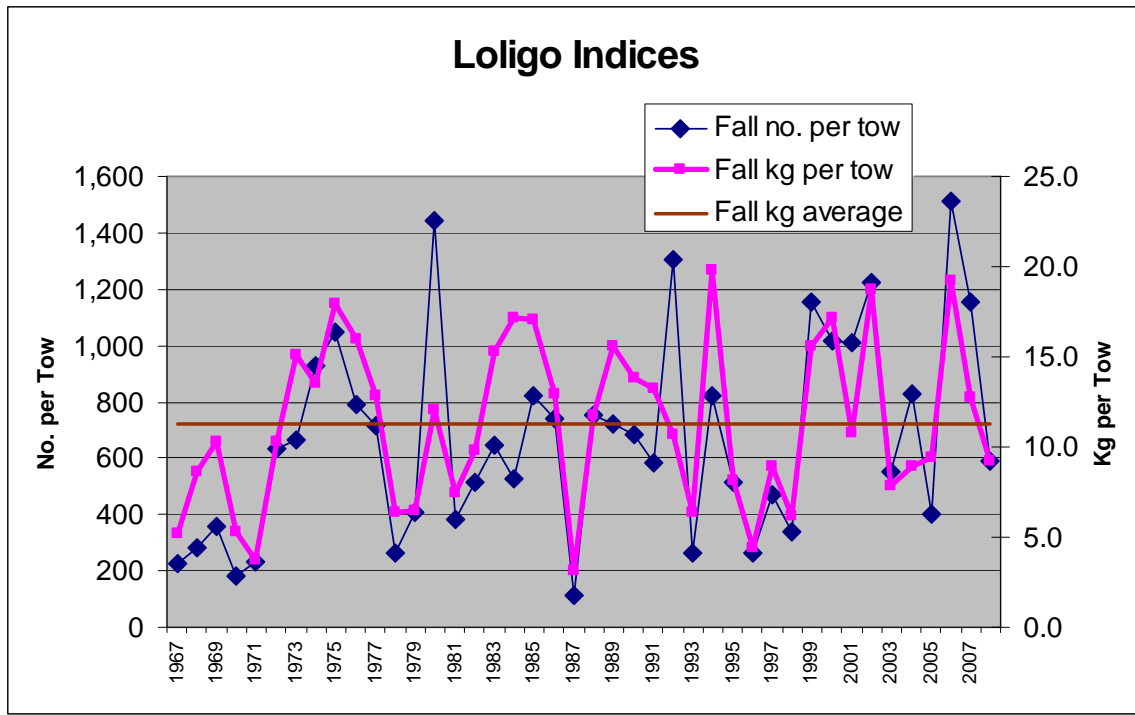


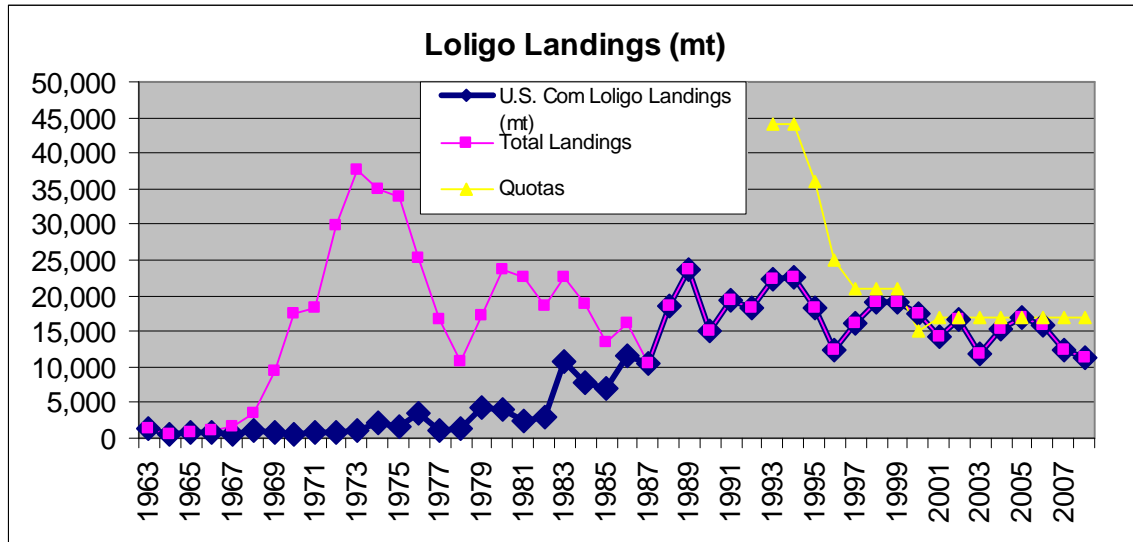
Figure 1a. Total landings of spiny dogfish by US, Canadian and foreign fleets in NAFO Statistical Areas 2-6, 1962-2008.

Loligo - Fall Index Over Time



From 2010 Specs Document (raw data - stock size unknown)

Loligo - Landings Over Time



From 2010 Specs Document

Illex - Fall Index Over Time

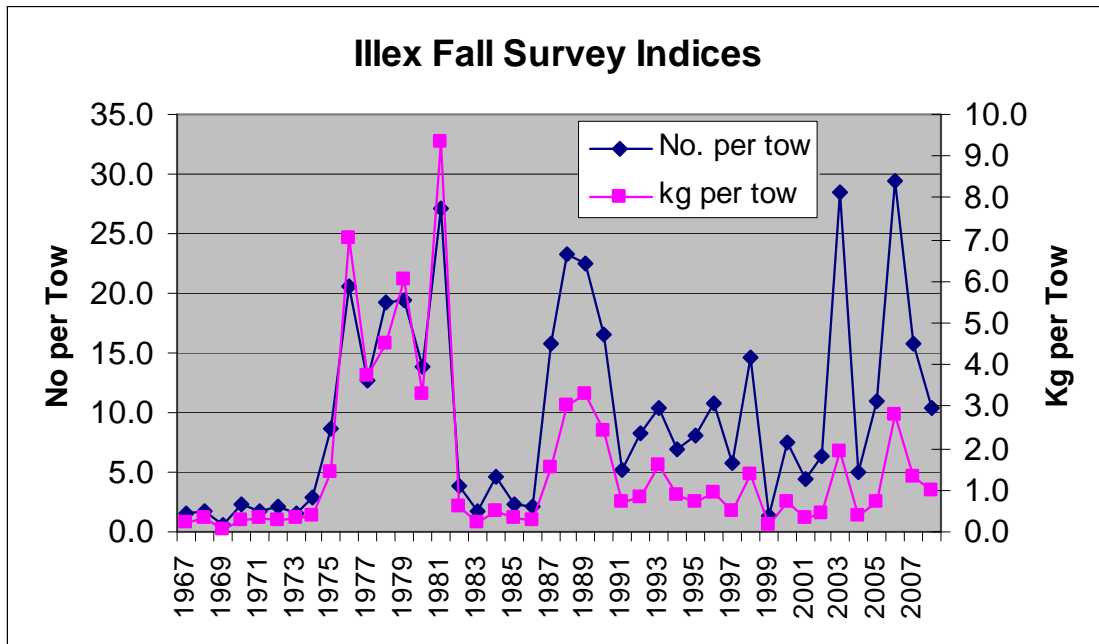
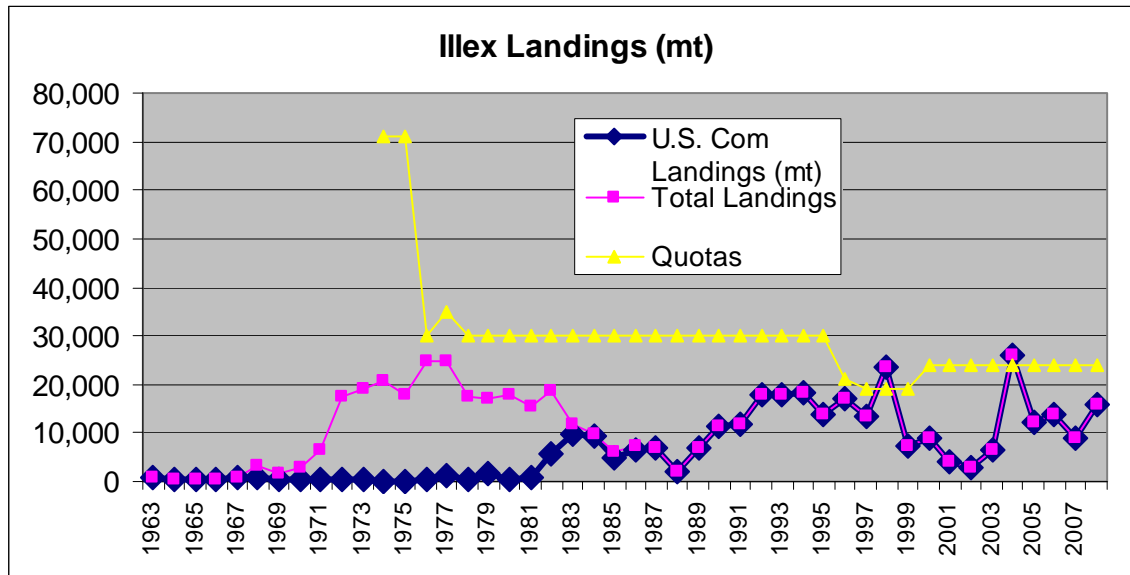


Figure 1. *Illex* Indices from NEFSC Fall survey.

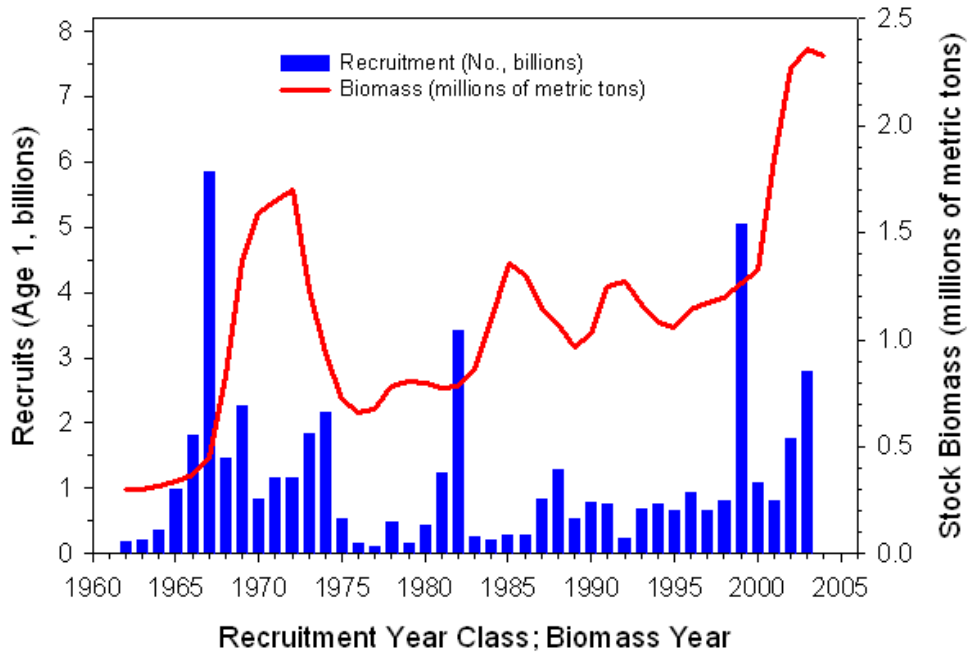
2010 Specs Document (raw data - stock size unknown)

Illex - Landings Over Time



2010 Specs Document

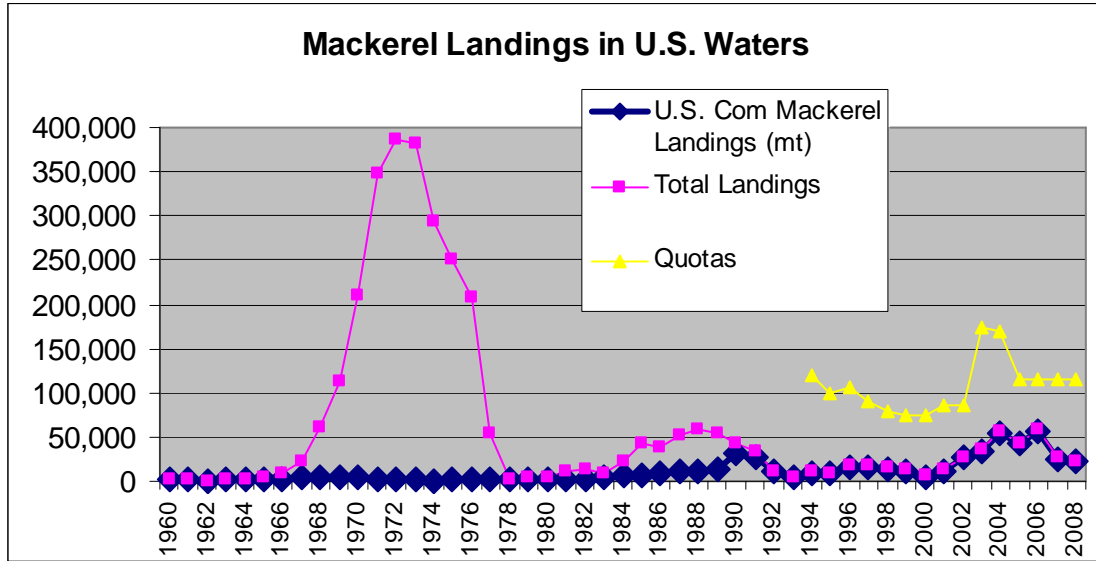
Atlantic Mackerel - Stock Size Over Time



<http://www.nefsc.noaa.gov/sos/spsyn/pp/mackerel/>

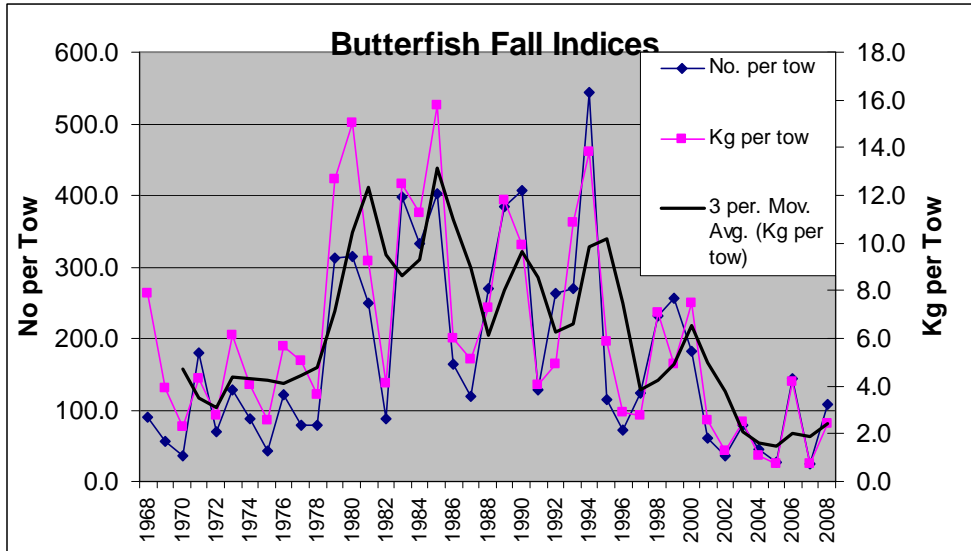
Note: Ongoing mackerel assessment may significantly change the trend and scale of mackerel biomass estimates.

Atlantic Mackerel - Landings Over Time



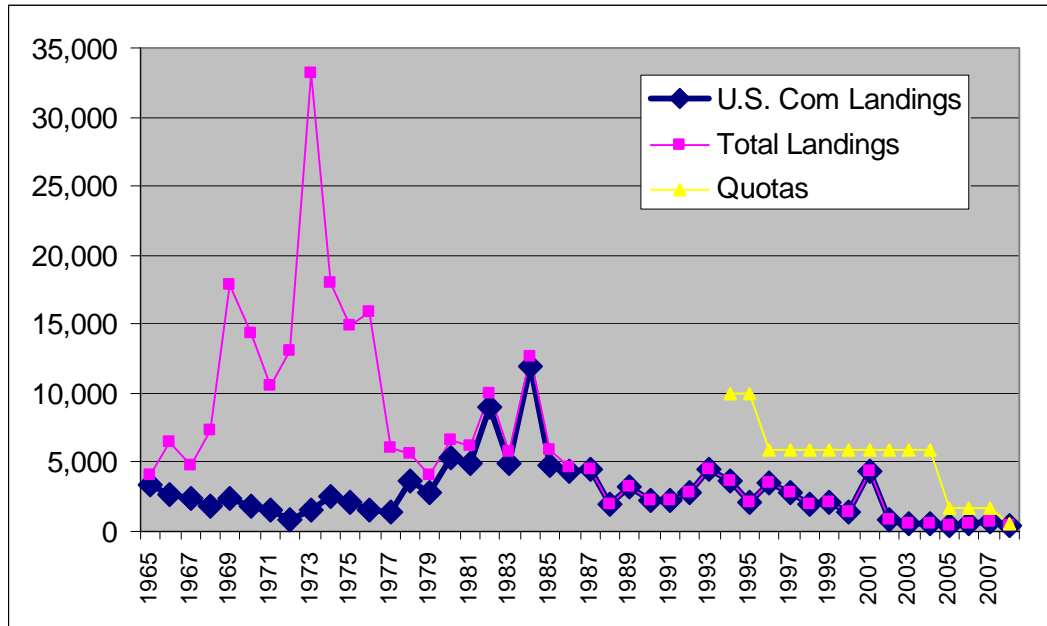
2010 Specs Document

Butterfish - Fall Index Over Time



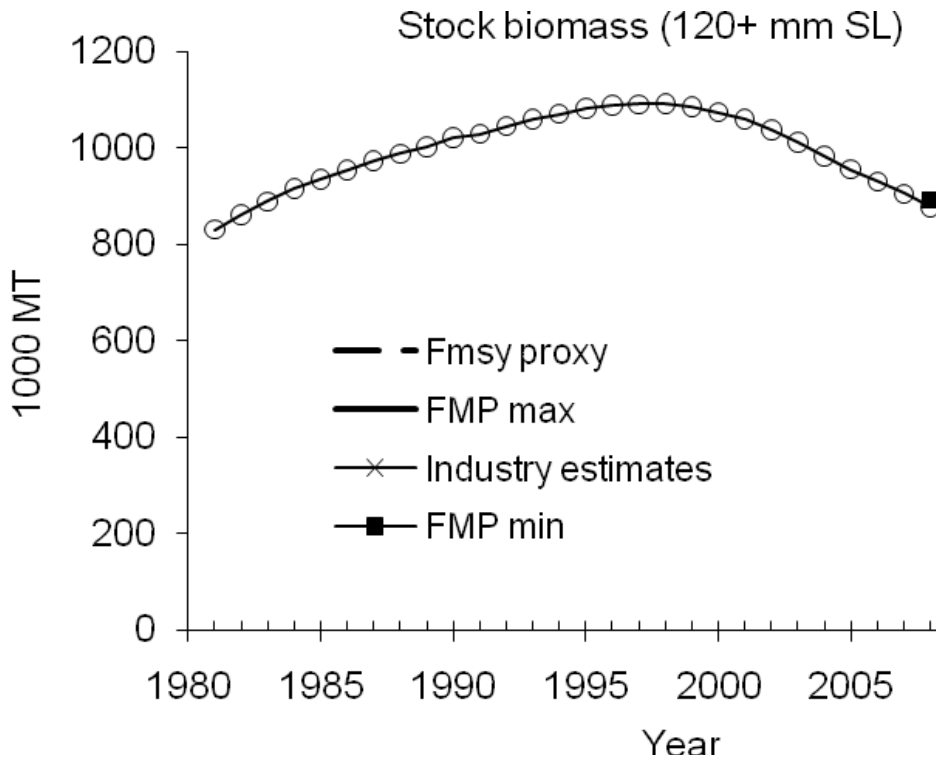
Fall Indices from 2010 Specs Document (Recent Assessment did not produce viable reference points)

Butterfish - Landings Over Time



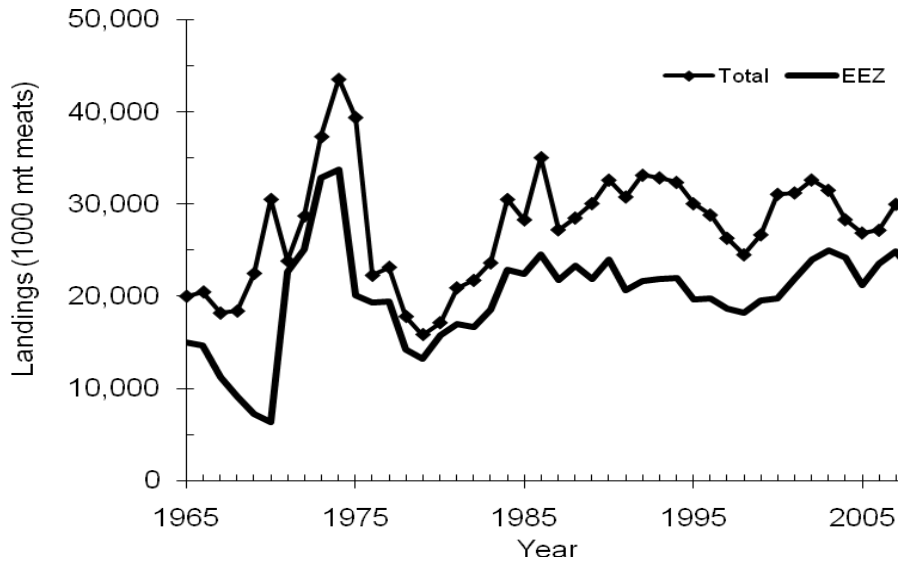
From 2010 Specs Document

Surfclams - Stock Size Over Time



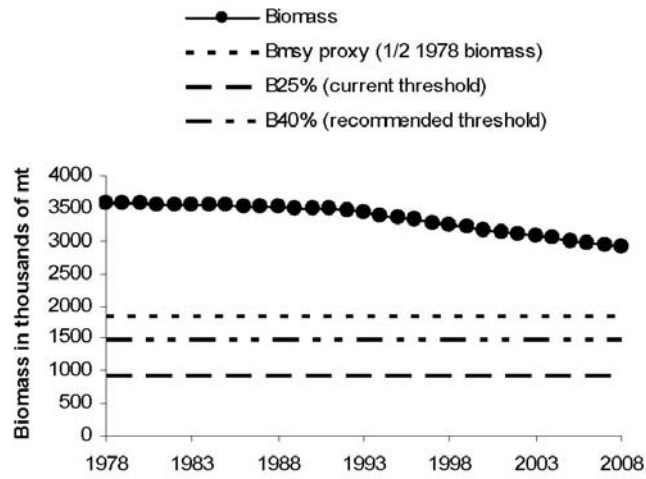
From SAW 49 Assessment Summary

Surfclams - Landings Over Time



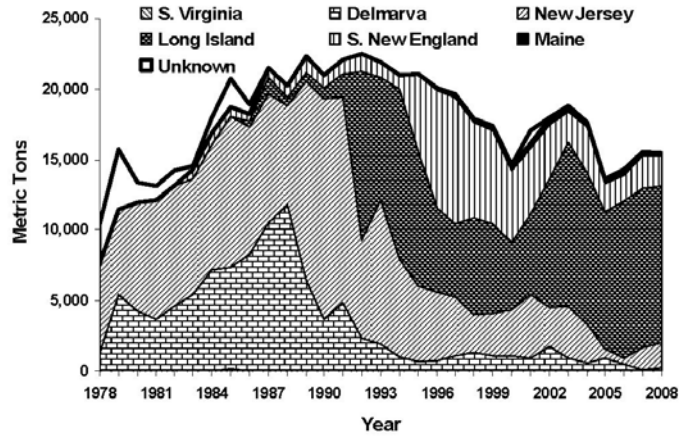
From SAW 49 Assessment Summary

Ocean Quahog - Stock Size Over Time



B4. Estimated ocean quahog fishable biomass since 1978, based on sum of “best” regional estimates.

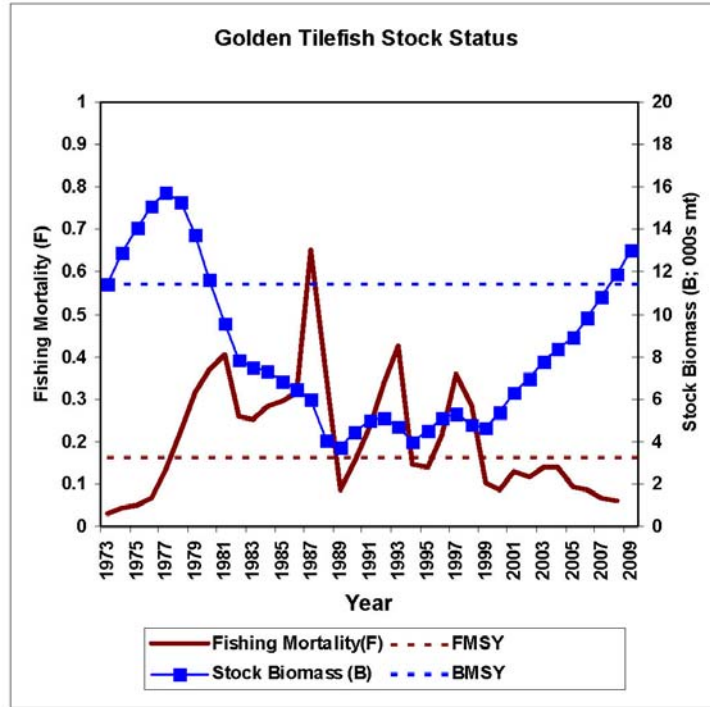
Ocean Quahog - Landings Over Time



B2. Ocean quahog landings (mt meats) in the EEZ by region during 1978-2008. Figures for SVA are near zero and do not show clearly in plots.

Tilefish - Stock Size Over Time

Figures:



A1. Estimates of tilefish stock biomass (1973-2009) and fishing mortality rate (1973-2008) derived from the ASPIC model. The two horizontal dashed lines represent the Biological Reference Points for the overfishing threshold (F_{MSY} , lower red line) and biomass target (B_{MSY} , upper blue line).

Tilefish- Landings Over Time

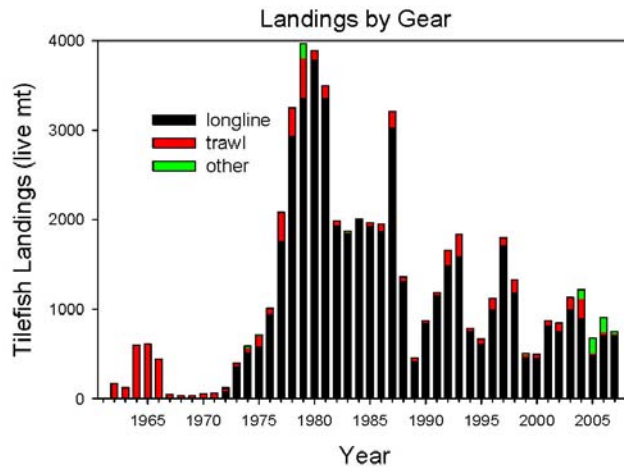


Figure A2. Landings of tilefish (mt, live) by gear. Landing before 1990 are from the general canvas data.