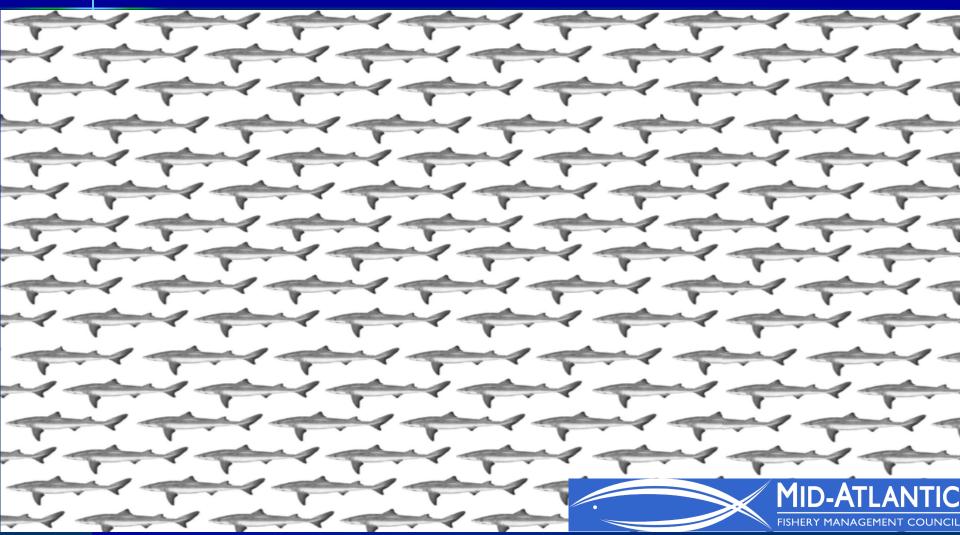
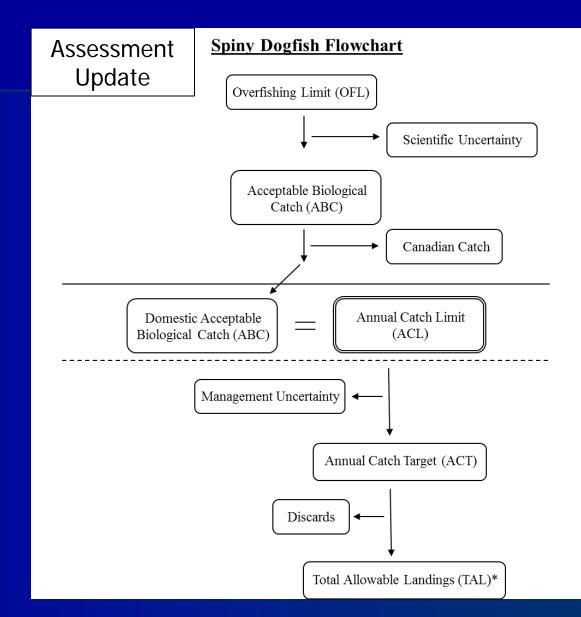
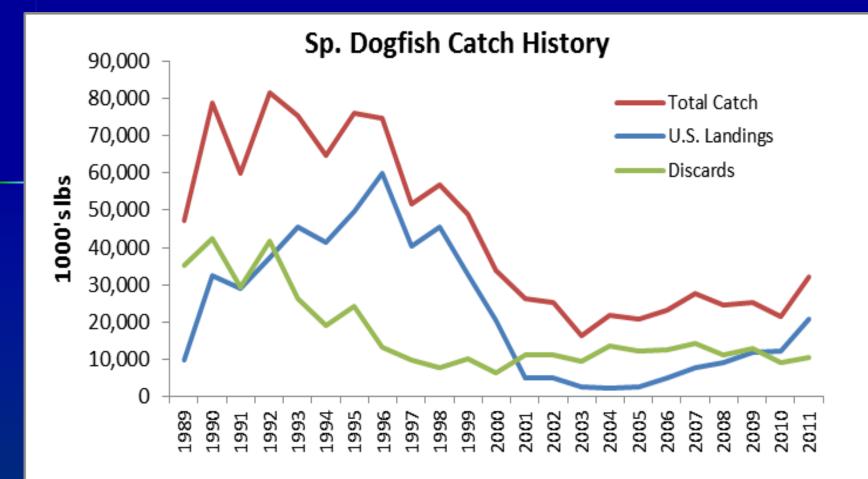
Spiny Dogfish Specifications 2013 - 2015







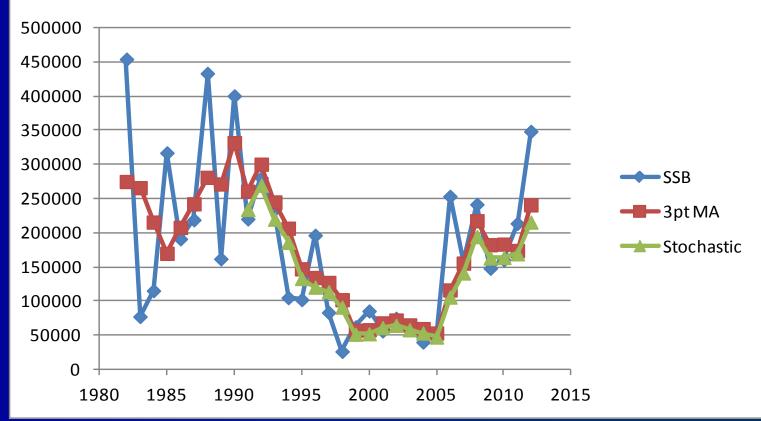


- Unregulated fishery targeted mature female dogfish
- Female stock overfished in 1997
- FMP implemented in 2000

- Landings greatly reduced from 2001 2008
- Stock rebuilt in 2010
- Quotas expanded in 2009 2012

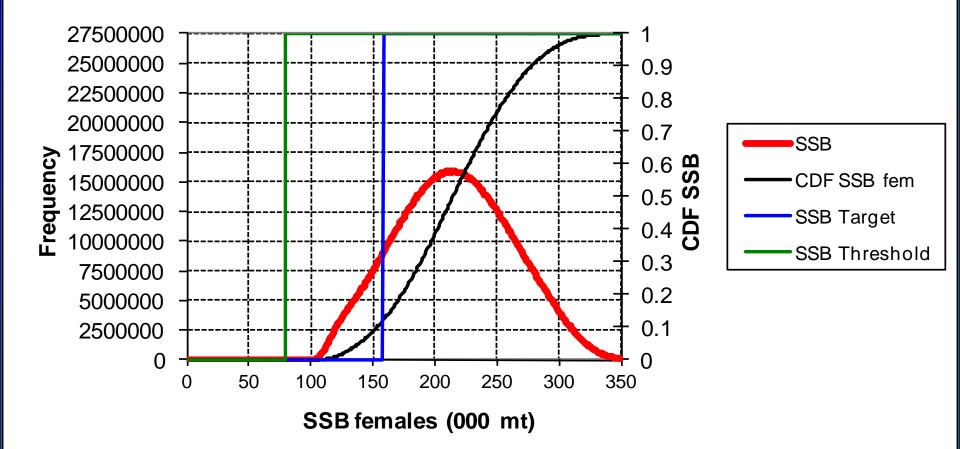
Stock Biomass

Female spawning stock biomass Estimates 1982-2012



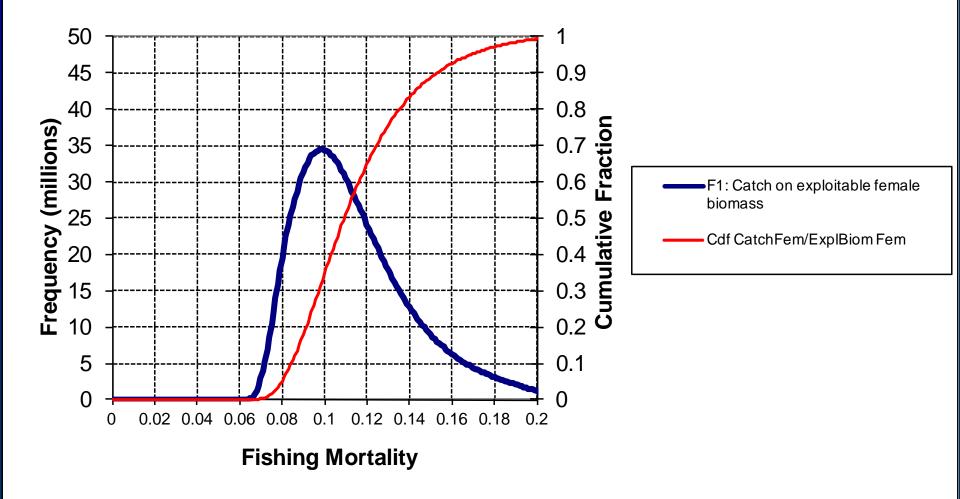
Biomass 2012

Stochastic Estimate of Spawning Stock Biomass with nominal target and threshold biomasses, 2012



Fishing Mortality 2011

F1: Female Catch vs exploitable biomass: 2011



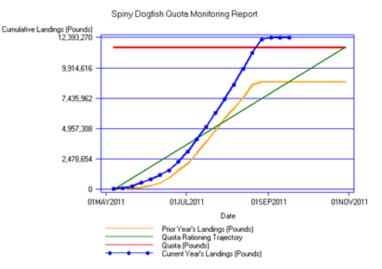
Stock Status

- Not overfished, overfishing not occurring
- SSB and F stable for now
- Biomass₂₀₁₂: 215,444 mt (SSB_{MAX}: 159,088 mt)
- F_{1,2011}: 0.114 (F_{MSY}: 0.2439)

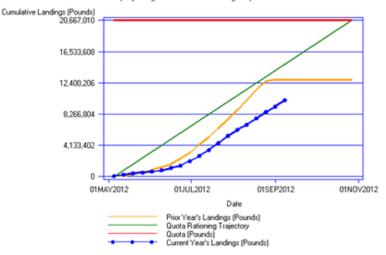
Fishery Performance Report

- Fishery underperformed in early part of the year because fish were offshore
- Poor economy in Europe constraining demand
- Market not ready for huge increases in dogfish supply, but more processors may get involved over time.
- Longer term specifications (multi-year) desirable for planning
- Closure of Oregon Inlet affecting NC commercial effort
- Recommendation for developing models (management and population) for administering and assessing male fishery
- Interested in limited entry

Fishery Performance Report Spiry Dogfish Quote Monitoring Report

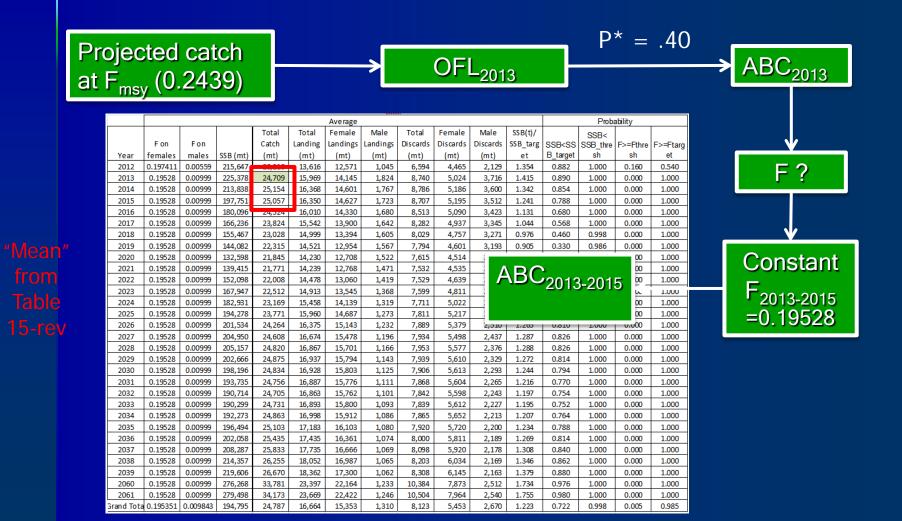








ABC Determination





ABC₂₀₁₃₋₂₀₁₅

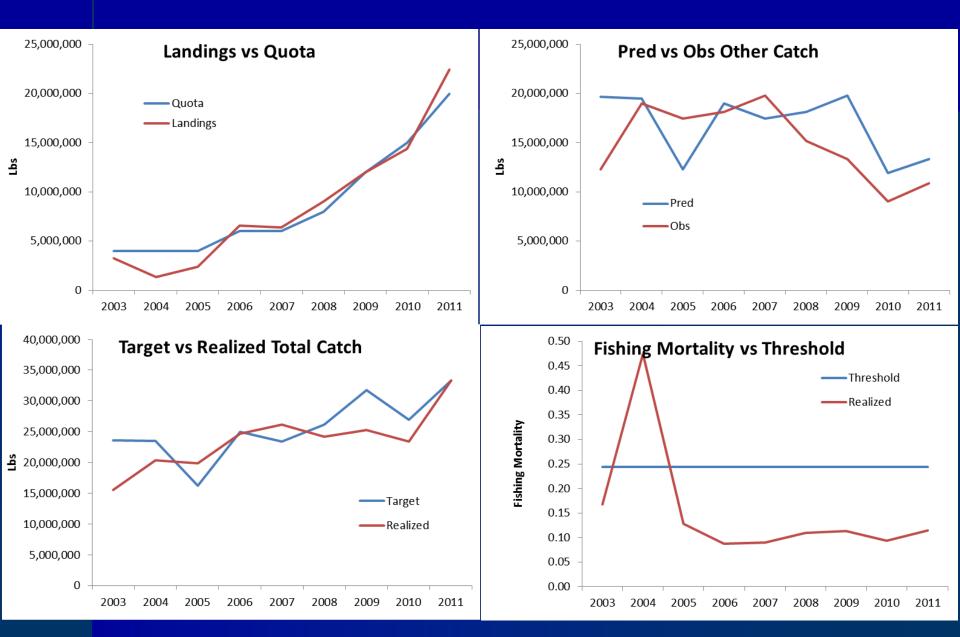
ABC 24,709 mt 25,154 mt 25,057 mt OFL 30,652 mt

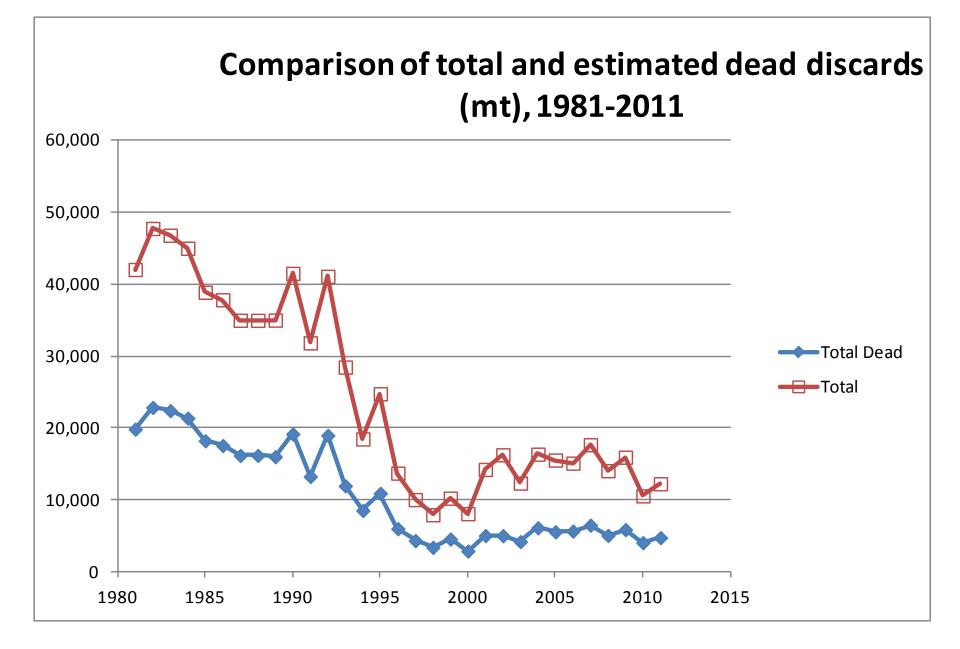


Mgmt Measures

2013 Measures	Basis	M lb	Mt
OFL	F _{MSY} (0.2439)	30,652	
ABC	Constant F (0.19528)	54.474	24,709
Canadian Landings	= ave 2009-2011	0.179	81.0
Domestic ABC	= ABC - Canadian Landings	54.295	24,628
ACL	= Domestic ABC	54.295	24,628
Mgmt Uncertainty Buffer	Ave of quota overages (pct) in 2010-2011 (4.0%)	1.697	770
ACT	= Domestic ACL - management uncertainty	52.598	23,858
U.S. Discards	= ave 2002-2011	11.698	5,306
TAL	ACT - Discards	40.900	18,552
U.S. Rec Landings	= ave 2010-2011	0.058	26.5
Comm Quota	TAL - Rec Landings	40.841896	18,526







2013 Measures	Basis	Basis M lb		
OFL	F _{MSY} (0.2439)	67.576	30,652	
ABC	Constant F (0.19528)	54.474	24,709	
Canadian Landings	= ave 2009-2011	81.0		
Domestic ABC	= ABC - Canadian Landings	24,628		
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Mgmt Uncertainty Buffer	Ave of quota overages (pct) in 2010-2011 (4.0%)	1.697	770	
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U.S. Rec Landings	= ave 2010-2011	0.058	26.5	
Comm Quota	TAL - Rec Landings	40.841896	18,526	
2014 Measures	Basis	M lb	Mt	
OFL				
ABC	Constant F (0.19528)	55.455	25,154	
Canadian Landings	<i>= ave 2009-2011</i> 0.179		81.0	
Domestic ABC	= ABC - Canadian Landings 55.277		25,073	
ACL	= Domestic ABC 55.27		25,073	
Mgmt Uncertainty Buffer	Ave of quota overages (pct) in 2010-2011 (4.0%)	1.737	788	
ACT	= Domestic ACL - management uncertainty 53.540		24,285	
U.S. Discards	= ave 2002-2011	<i>= ave 2002-2011</i> 11.698		
TAL	ACT - Discards	41.842	18,979	
U.S. Rec Landings	= ave 2010-2011 0.058		26.5	
Comm Quota	TAL - Rec Landings	41.783807	18,953	
2015 Measures	Basis	M lb	Mt	
OFL				
ABC	Constant F (0.19528)	55.241	25,057	
Canadian Landings	= ave 2009-2011	0.179	81.0	
Domestic ABC	= ABC - Canadian Landings 55.063		24,976	
ACL	= Domestic ABC	55.063	55.063 24,976	
Mgmt Uncertainty Buffer	Ave of quota overages (pct) in 2010-2011 (4.0%)	1.728	1.728 784	
ACT	= Domestic ACL - management uncertainty 53.335		24,192	
U.S. Discards	= ave 2002-2011 11.698		5,306	
TAL	ACT - Discards 41.637		18,886	
U.S. Rec Landings	<i>= ave 2010-2011</i> 0.058		26.5	
Comm Quota	TAL - Rec Landings	41.578491 18		



Mgmt Measures for 2013-2015

Table 1-rev

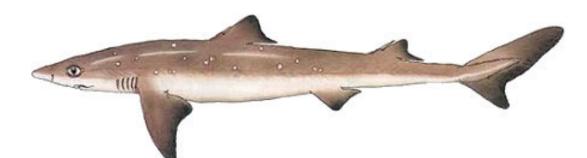


NOAA FISHERIES

Northeast Regional Office

Spiny Dogfish Trip Landings Analysis

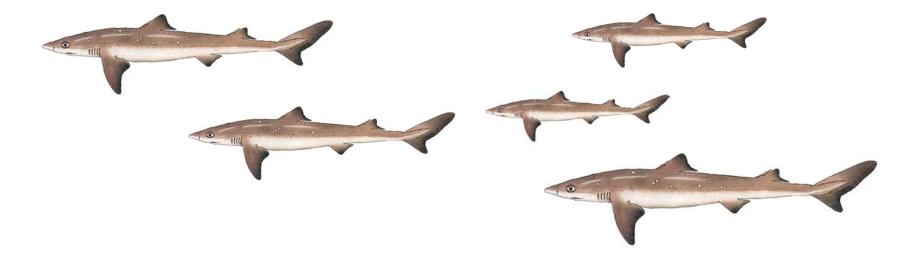
Tobey Curtis, Mark Brady, Michael Pentony



October 3, 2012

Conclusions

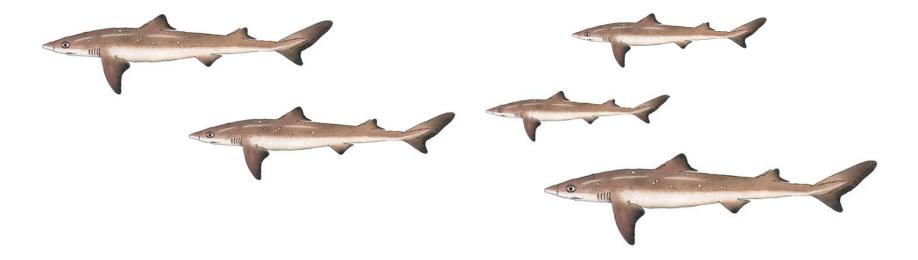
- The 3,000-lb trip limit is constraining for a significant proportion (~1/3) of dogfish trips
- If the trip limit were to be increased, it would impact a large proportion of trips





Conclusions

- The fishery may be able to land a 40+ million lb quota with a 3,000-lb (or slightly higher) trip limit
- Trip limits significantly higher than 3,000 lb would likely result in inseason closures







Mgmt Measures (Summary)

	Domestic ABC	ACL	АСТ	TAL	Quota	RSA	
Year	ear millions of pounds						
2013	54.295	54.295	52.598	40.900	40.842	n/a	4,000 lb
2014	55.277	55.277	53.540	41.842	41.784	1.254	4,000 lb
2015	55.063	55.063	53.335	41.637	41.578	1.247	4,000 lb

Move to adopt for spiny dogfish in 2013 an ACL of 54.295 million pounds equivalent to Domestic ABC, an ACT of 52.598 million pounds corresponding to a TAL of 40.900 million pounds resulting in a commercial quota of 40.842 million pounds. Himchak/Berg 15/0/1

Move to adopt for spiny dogfish in 2014 an ACL of 55.277 million pounds equivalent to Domestic ABC, an ACT of 53.540 million pounds corresponding to a TAL of 41.842 million pounds resulting in a commercial guota of 41.784 million pounds. Himchak/Berg 15/0/1

Move to adopt for spiny dogfish in 2015 an ACL of 55.063 million pounds equivalent to Domestic ABC, an ACT of 53.335 million pounds corresponding to a TAL of 41.637 million pounds resulting in a commercial guota of 41.579 million pounds. Himchak/Berg 15/0/1

Move to adopt a trip limit of 4,000 lbs for spiny dogfish in 2013, 2014, and 2015. Anderson/King 15/0/1

RSA

Move to allow a research set-aside of up to 3%, 1.254 M lb, of the commercial in 2014.

Move to allow a research set-aside of up to 3%, 1.247 M lb, of the commercial in 2015.

RSA

Move to allow a research set-aside of up to 3%, 1.254 M lb, of the commercial in 2014. Pate/O'Reilly 16/0/0

Move to allow a research set-aside of up to 3%, 1.247 M lb, of the commercial in 2015. Pate/O'Reilly 17/0/0