



*Working towards healthy, self-sustaining populations
for all Atlantic coast fish species or successful
restoration well in progress by 2015*

Terms of Reference

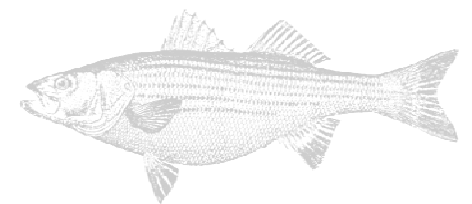


Atlantic Striped Bass Management Board
October 23, 2012



Terms of Reference

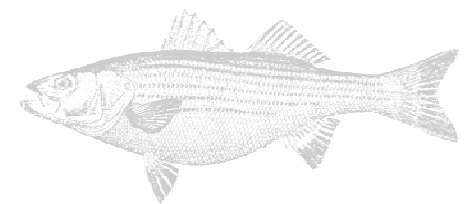
- These TORs were developed by the ASMFC Striped Bass Stock Assessment Subcommittee and Tagging Subcommittee, with approval from the Technical Committee





Terms of Reference

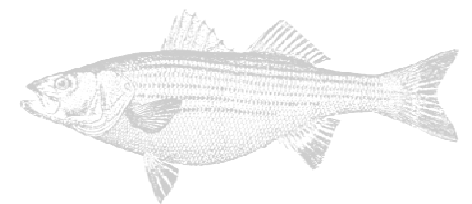
1. Investigate all fisheries independent and dependent data sets, including indices of abundance and tagging data. Discuss strengths and weaknesses of the data sources.
2. Estimate commercial and recreational landings and discards. Characterize the uncertainty in the data and spatial distribution of the fisheries.





Terms of Reference

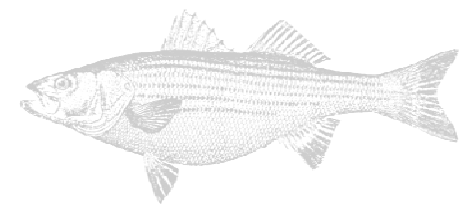
1. Use the statistical catch-at-age model to estimate annual fishing mortality, recruitment, total abundance and stock biomass (total and spawning stock) for the time series and estimate their uncertainty. Provide retrospective analysis of the model results and historical retrospective. Provide estimates of exploitation by stock component, where possible, and for total stock complex.





Terms of Reference

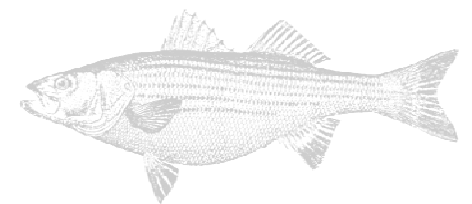
4. Use the Instantaneous Rates Tag Return Model Incorporating Catch-Release Data (IRCR) and associated model components applied to the Atlantic striped bass tagging data to estimate F and abundance from coast wide and producer area tag programs along with the uncertainty of those estimates. Provide suggestions for further development of this model.





Terms of Reference

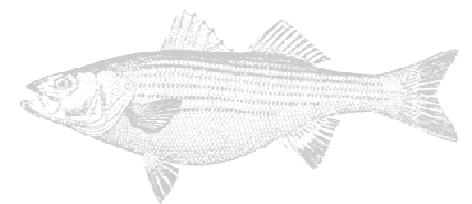
5. Update or redefine biological reference points (BRPs; point estimates or proxies for B_{MSY} , SSB_{MSY} , F_{MSY} , MSY). Define stock status based on BRPs.
6. Provide annual projections of catch and biomass under alternative harvest scenarios. Projections should estimate and report annual probabilities of exceeding threshold BRPs for F and probabilities of falling below threshold BRPs for biomass. Use a sensitivity analysis approach covering a range of assumptions about the most important sources of uncertainty.





Terms of Reference

7. Review and evaluate the status of the Technical Committee research recommendations listed in the most recent SARC report. Identify new research recommendations. Recommend timing and frequency of future assessment updates and benchmark assessments.





*Working towards healthy, self-sustaining populations
for all Atlantic coast fish species or successful
restoration well in progress by 2015*

2011 Striped Bass Fishery Management Plan Review



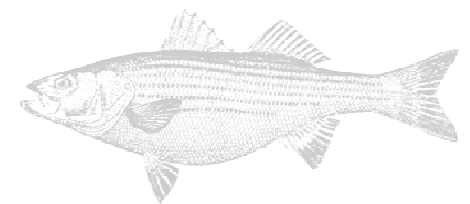
Atlantic Striped Bass Management Board
October 23, 2012



Status of the Stocks

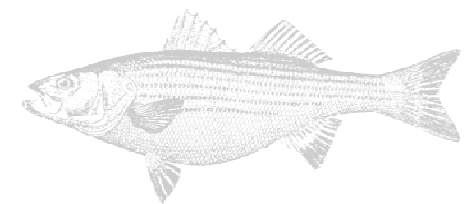
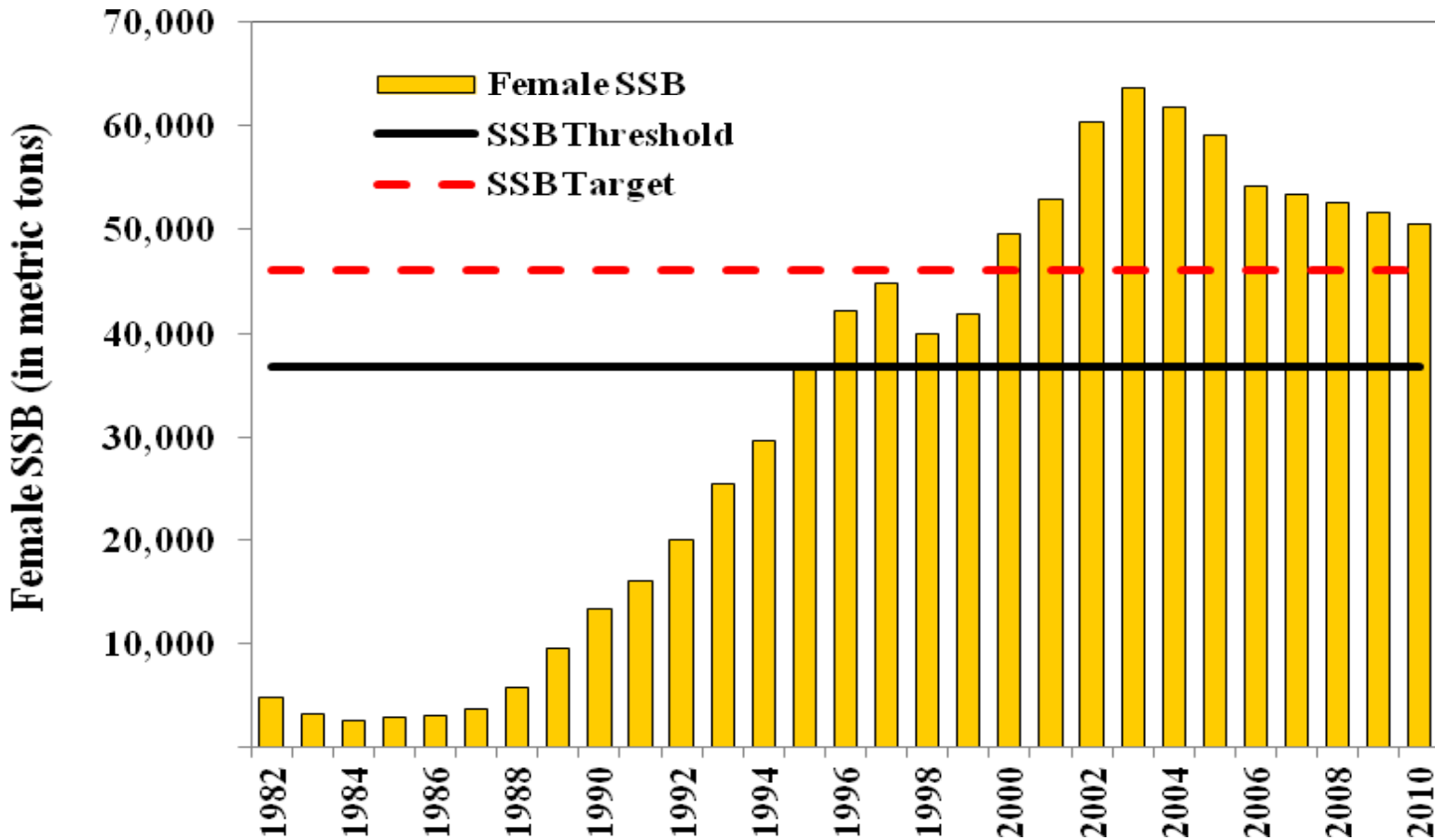
- Not overfished and overfishing is not occurring
 - Based on Amendment 6 reference points and results of 2011 update stock assessment

	<i>Female SSB</i>	<i>Fully-Recruited F</i>
<i>Threshold</i>	$SSB_{1995} = 30,000 \text{ MT}$	$F_{MSY} = 0.34$
<i>Target</i>	$SSB_{\text{threshold}} \times 1.25 = 37,500 \text{ MT}$	0.30 (0.27 in Chesapeake Bay and Albemarle/Roanoke)



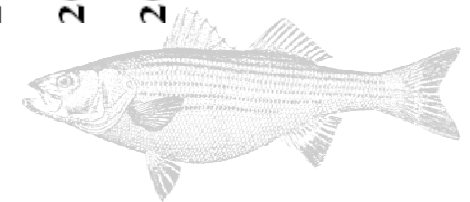
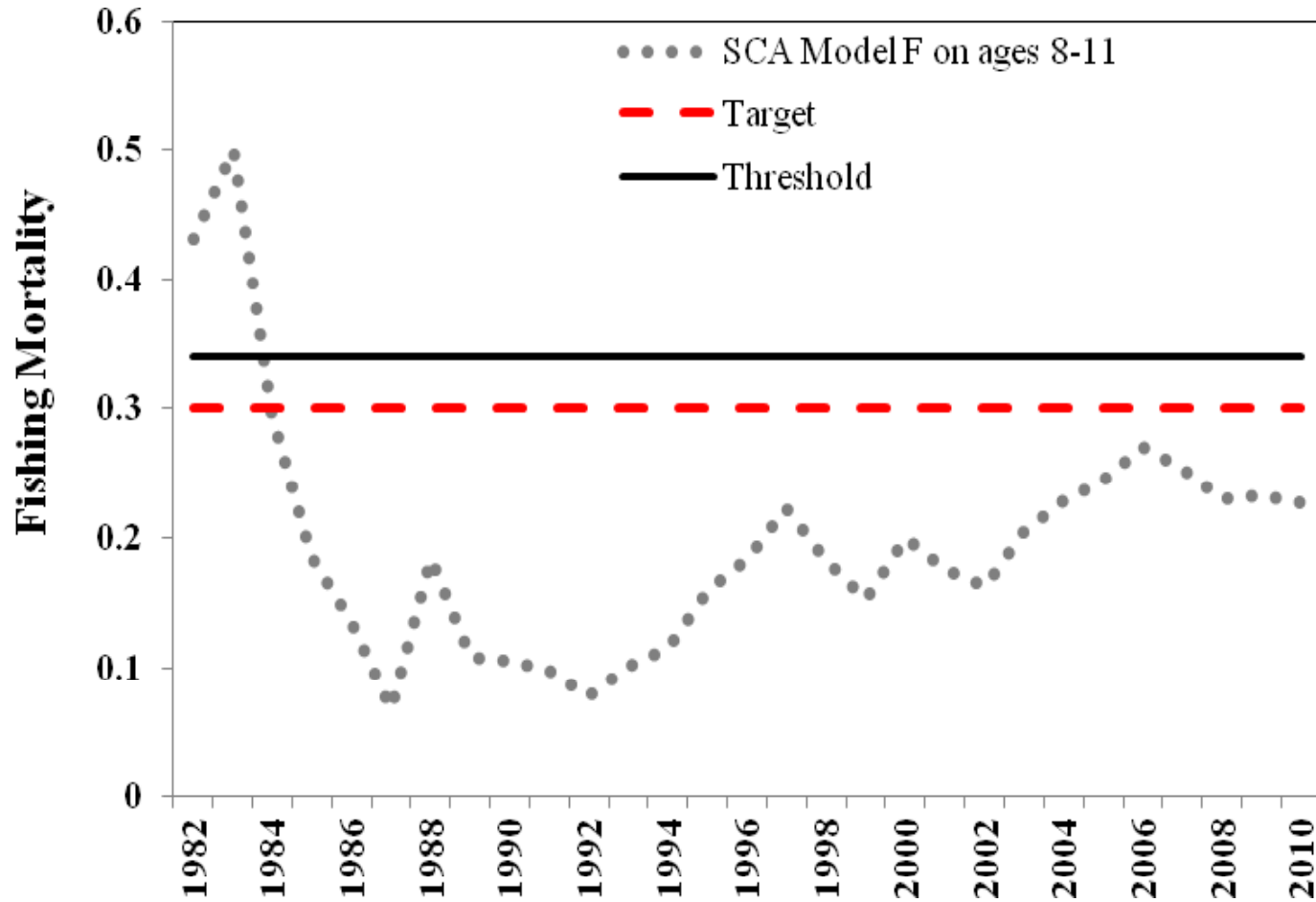


Status of the Stock





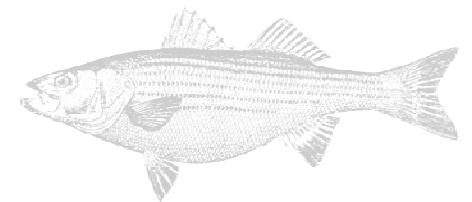
Status of the Stock





Status of the Fishery

- 2011 total harvest (excluding AS/RR MA) is ~3.2 million fish, 32.2 million pounds
- Commercial fishery landed an ~6.8 million pounds
 - Slightly lower than landings in 2010
 - ChesBay commercial landings = 3.91 million pounds, similar to 2010
 - Coastal commercial landings amount to 2.87 million pounds, similar to 2010





Coastal Commercial Quota

	Amendment 6 Allocation	2011 Quota	2011 Harvest	Overage	2012 Quota
MA	1,159,750	1,073,134	1,163,865	90,731	1,069,019
RI*	243,625	232,974	228,163		239,963
NY^	1,061,060	828,293	854,731	26,438	801,855
NJ+	321,750	321,750	16,332		321,750
DE	193,447	193,447	188,620		193,447
MD^	131,560	126,396	21,401		126,396
VA	184,853	184,853	158,811		184,853
NC~	480,480	480,480	242,600		480,480



Chesapeake Bay Quota

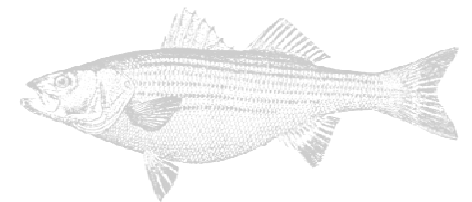
2011	Jurisdiction	Quota	Harvest
<i>Commercial Fisheries</i>	Maryland	1,963,873	1,955,072
	PRFC	739,097	694,151
	Virginia	1,430,361	1,275,825
	Subtotal	4,188,961	3,925,048
<i>Recreational Fisheries</i>	Maryland	2,657,102	2,044,028
	PRFC	604,716	*
	Virginia	1,430,361	870,625
	Subtotal	4,737,695	2,914,653
Chesapeake Bay Total		8,825,510	6,839,701





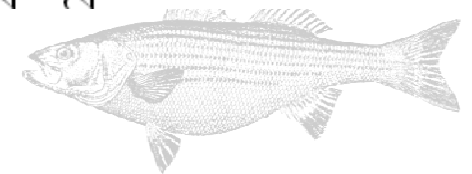
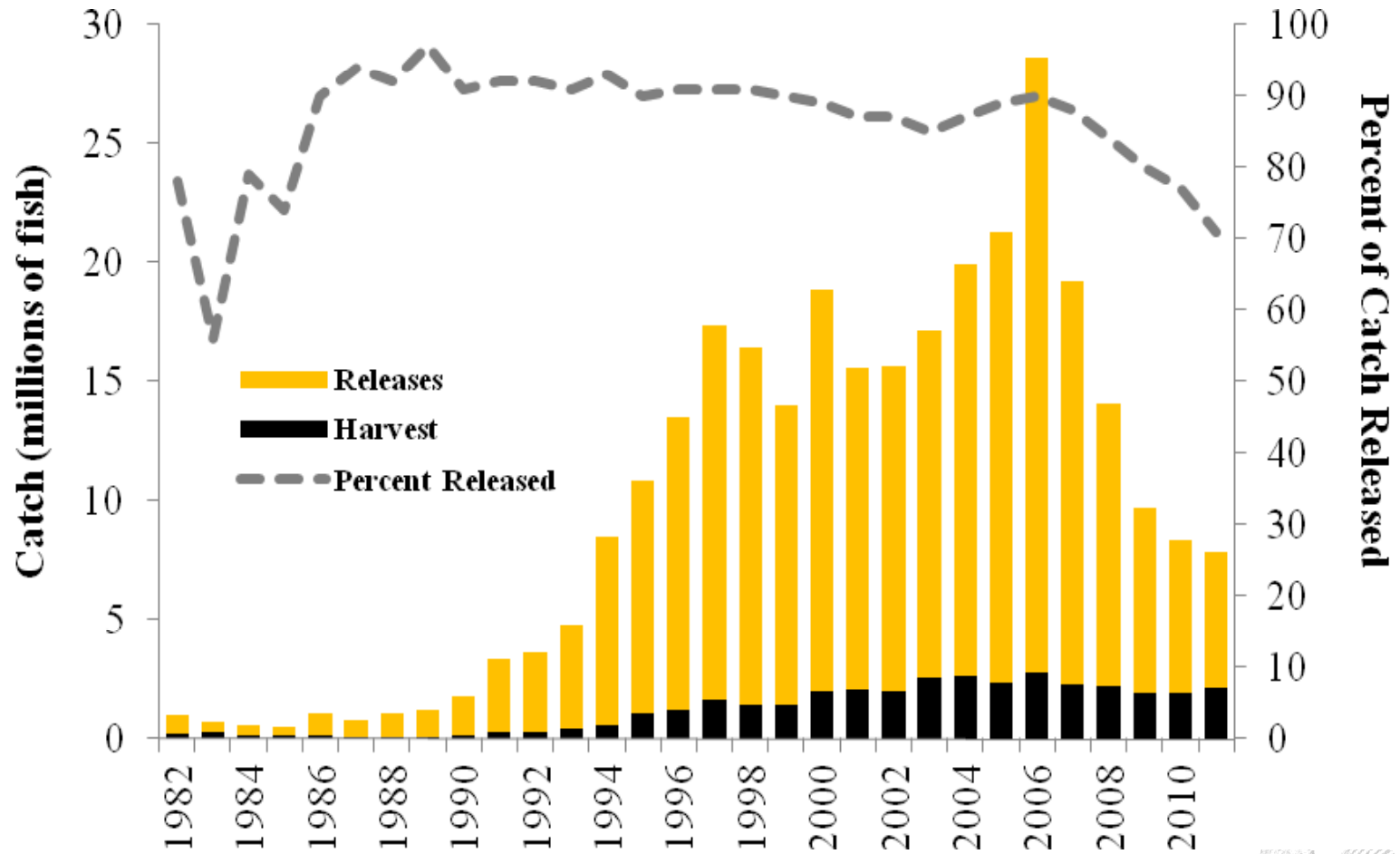
Status of the Fishery

- Recreational Fishery landed ~ 2.12 million fish (26.3 million pounds)
 - Similar to 2010 landings in number, but a 23% increase by weight
 - Recreational releases decreased for the 5th year
 - Recreational catch estimate is lowest since 1995, 73% decline from peak in 2006
 - Proportion of catch released decreased to 73%, lowest since 1986.



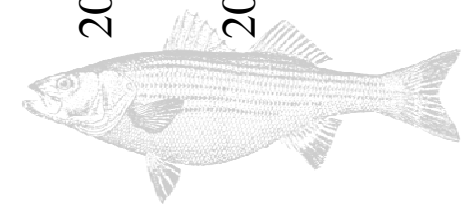
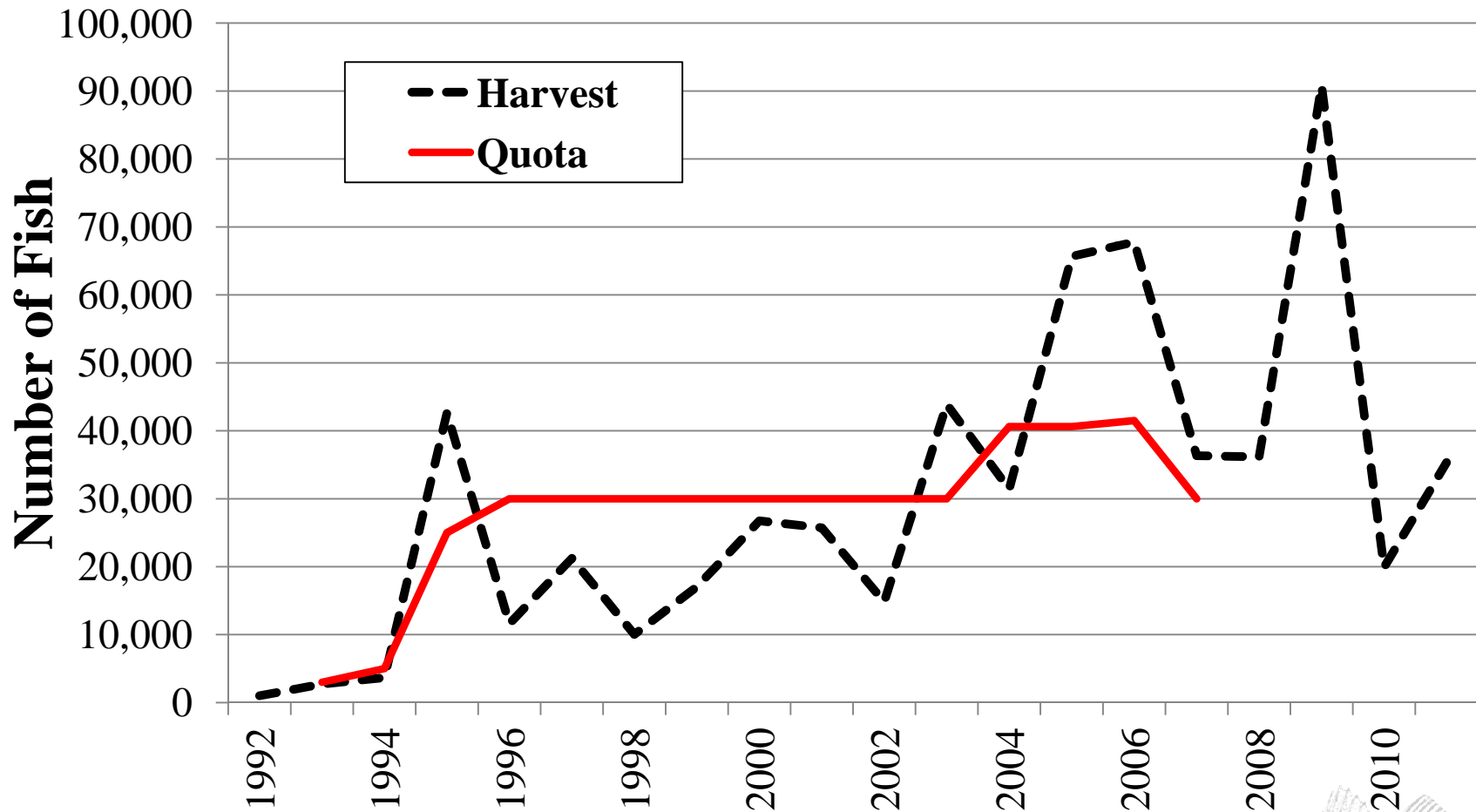


Status of the Fishery





Chesapeake Bay Spring Trophy Fishery

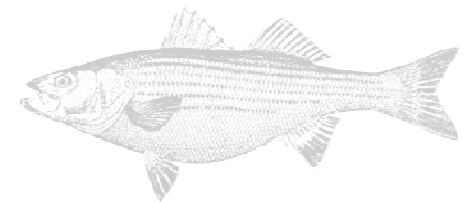




Status of Management Measures & Issues

Juvenile Abundance Indices

- Recruitment failure = a value that is below 75 of all values in a fixed time series appropriate to each JAI
- TC Reviews indices from 6 juvenile surveys
- No survey shows 3 consecutive years of recruitment failure, thus management action not triggered
- Single years of recruitment failure:
 - ME – 2010
 - NY – 2011
 - NC – 2009

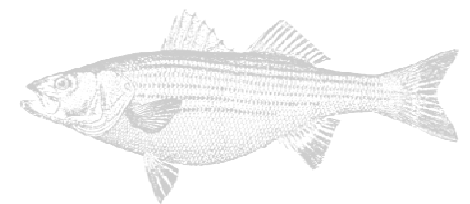




Status of Management Measures & Issues

Albermarle/Roanoke FMP

- No change to FMP or regulations in 2011
 - Target $F = 0.22$, SSB threshold = 400,000 lbs, TAC = 550,000 lbs (25% RRMA rec, 25% AS rec, 50% AS com)
- 2011 harvest = 248,195 pounds, slight decrease from 2010





Annual State Compliance

- All states in compliance in 2011
- 2011 Regulatory Changes:
 - PRFC: Effective January 1, 2011, all pound nets in the Potomac River must have at least six PRFC approved fish cull panels properly installed in each pound net to help release undersize fish. These fish cull panels were being used by some pound netters on a voluntary basis prior to 2011.

