Overview of Stock Status
Atlantic Menhaden, *Brevoortia tyrannus*

Atlantic Menhaden Fecundity
Source: SEDAR Stock Assessment for Atlantic Menhaden, 2015

Atlantic Menhaden Fishing Mortality
Source: SEDAR Stock Assessment for Atlantic Menhaden, 2015

Timeline of Management Actions: FMP (1981); FMP Revision (1991); Amendment 1 (2001); Addendum I (2004); Addendum II (2005); Addendum III (2006); Addendum IV (2009); Addendum V (2011); Amendment 2 (2012); Technical Addendum I (2013)

**Management Considerations**

**Condition:** Not overfished and not experiencing overfishing (2015 benchmark stock assessment)

**FMP Stock Rebuilding Goals:**
- Fecundity Target ($SSB_{Target}$) = 100 trillion maturing or ripe eggs
- Fecundity Threshold ($SSB_{Threshold}$) = 49.66 trillion maturing or ripe eggs
- Current Fecundity (2011) = 170 trillion maturing or ripe eggs
- Fishing Mortality Target (Full $F_{30\%MSP}$) = 1.03
- Fishing Mortality Threshold (Full $F_{15\%MSP}$) = 2.98
- Current Fishing Mortality Target = 0.27

**FMP Status:** Addendum I established new biological reference points and changed the frequency of assessments to every 3 years. Addendum II initiated a research program to assess the status of menhaden in Chesapeake Bay. Addendum III set a harvest cap in Chesapeake Bay for the reduction fishery, allowing annual adjustments for harvest overages and underages; these provisions were extended through 2013 through Addendum IV. Addendum V established new fishing mortality reference points based on MSP. Amendment 2 established a 170,800 MT TAC beginning in 2013. The TAC represents a 20% reduction from the average of landings from 2009-2011 and an approximately 25% reduction from 2011 levels. The Amendment also establishes new biological reference points for biomass based on MSP. 

**Primary Management Measures:** A 170,800 MT TAC beginning in 2013, which is allocated on a state-by-state basis based on landings history of the fishery from 2009-2011; allocation will be revisited three years after implementation. States will be required to close their fisheries when the state-specific portion of the TAC has been reached; any overages must be paid back the following year. Further, the Chesapeake Bay reduction fishery harvest cap will be reduced by 20% (this is an adjustment of cap which was in place since 2006). Technical Addendum I, approved in 2013, further clarifies Amendment 2’s provisions for episodic events.

Updated 3/15