

Update on STAC Activities

Brian Benham, STAC past-Chair
Kurt Stephenson, STAC member

October 17, 2019
Management Board Meeting

STAC Activities

1. Continued support of various CBP activities (proactive and reactive workshops, etc.)
2. Climate Change Science Synthesis
3. Achieving Water Quality Goals in the Chesapeake Bay: An Assessment of System Response

2. Climate Change Science Synthesis

Synthesis of available data and/or previously published research to identify knowledge gaps, inform additional research, and/or place existing scientific information into a management-relevant context.

- Solicitation released March 2019. 10 proposals received (May 2019).
- Topics ranged from BMP performance to sea level rise impacts on water quality. Most addressed issues identified via STAC's Climate Change Modeling 2.0 workshop (Sep. 2018) and/or Climate Resiliency Workgroup.
- Two proposals funded: shallow water DO (Testa, UMCES) and BMP performance (Easton et al, Virginia Tech). Timeframe: Oct 2019 – Dec 2020.

3. “Achieving Water Quality Goals in the Chesapeake Bay: An Assessment of System Response”

A synthesis of existing scientific and technical literature to identify and assess key emerging science issues impacting attainment of existing water quality standards.

Objectives:

- Identify key knowledge gaps and uncertainties that have direct consequences for better understanding of timing and magnitude of water quality responses to management actions;
- identify emerging trends of system response that have direct consequences for meeting WQS;
- Recommend strategies and actions for improving understanding of system response to management actions

3. “...Assessment of System Response”

Envision as 2 to 3 year effort.

Synthesize existing literature/build on past STAC efforts

Supportive of Chesapeake Bay Program science identification and prioritization efforts (e.g. Strategic Science and Research Framework)