



Chesapeake Bay Program's (CBP)
Scientific and Technical Advisory Committee (STAC)
Quarterly Meeting – June 13-14, 2023
Webinar Meeting - [June Meeting Page](#)
[Meeting RSVP Form](#)

****Exact Times Are Subject to Change****

Tuesday, June 13th

- 9:00 am** **Light Breakfast (provided)**
- 9:30 am** **Call to Order, STAC Business, Announcements** — *Kathy Boomer (STAC Chair – FFAR)*
- Introductions
 - Welcome new STAC members
 - Membership Update and Ongoing Call for Self-Nominations
 - Recap of STAC March 2023 Quarterly Meeting and CBP Updates
 - Approval Requests:
 - Review and Approval of the Consent Agenda
 - April — May Executive Board Meeting Minutes
 - December 2022 Quarterly Meeting Minutes
 - March 2023 Quarterly Meeting Minutes
 - Member Announcements and Updates
- 10:15 am** **Discussion of Utilizing Remaining FY23 Workshop Funds on Activities Related to Findings in the Comprehensive Evaluation of System Response (CESR)**
— *Denice Wardrop (CRC), Meg Cole (CRC)*
- 11:15 am** **Indigenous Knowledge Federal Guidance** — *Ashley Spivey (Executive Director, [Kenah Consulting](#))*
- 12:15 pm** **Lunch**
- 1:00 pm** **Report out on the Chesapeake Governance Study: Report of 2021 Decision Maker Interview Results** — *DG Webster (Dartmouth College)*
D.G. Webster (Dartmouth College) will present results summarizing data from a series of interviews conducted with decision makers involved in governance of the Chesapeake Watershed. Using the Chesapeake Bay as an example, the [recently published report](#) predicts how social, economic and policy changes impact water quality, and how changes in water quality influence human behavior and decision-making.
- 1:40 pm** **Progress on CAST Optimization** — *Kalyanmoy Deb (Michigan State), Pouyan Nejadhashemi (Michigan State), Gregorio Toscano (EPA), and Hoda Razavi (Michigan State)*
A [F15 STAC workshop](#), "Designing an Optimization Engine to Guide Efficient Bay Implementation" recommended the development of a Bay Optimization System through the Chesapeake Assessment Scenario Tool (CAST). Workshop leads will report out on CAST optimization progress since the workshop.
- 2:20 pm** **Break**
- 2:40 pm** **Report out on State of the Science Workshop Status of Shortcut Nitrogen Removal: Revealing the Outcome of 10 Years of R&D**

— *Charles Bott (Hampton Roads Sanitation District)*

Charles Bott (HRSD) will present on findings from a December 2022 workshop funded by the EPA STAR grant program and hosted by the Water Research Foundation (WRF), Hampton Roads Sanitation District (HRSD), and DC Water. A wide range of project stakeholders from around the US were invited, including utility project partners located in other nutrient hot spots, and international researchers. The purpose of this event was to share knowledge and technology transfer for scale-up and implementation of the technology at wastewater facilities in other regions.

3:30 pm **Science Needs of the Chesapeake Bay Program: Local Action Cohort and Riparian Buffer Needs** — *Breck Sullivan (USGS) and Outcome Leads: Peter Claggett (LUMM), Renee Thompson (USGS), and Katie Brownson (USFS)*
The Local Action Cohort consists of the Tree Canopy, Land Use Options Evaluation, and Land Use Methods and Metrics Development outcomes. The Cohort identifies factors influencing science during the Strategy Review System and updates their science needs as part of the Strategic Science and Research Framework. The CBP Science Needs Database can be found [here](#) and details on each outcome are listed and linked [here](#).

4:40 pm **Day 1 Wrap-up and Setting the Stage for Day 2 Conversations: Advancing the T-Zone Concept** — *Kathy Boomer (FFAR)*
The T-zone or terrestrial-estuarine transition zone is a concept adopted from the San Francisco Bay community. The T-zone includes “**the area of existing and predicted future interactions among tidal and terrestrial or fluvial processes that result in mosaics of habitat types, assemblages of plant and animal species, and sets of ecosystem services that are distinct from those of adjoining estuarine, riverine, or terrestrial ecosystems**” ([Goals Project 2015](#)).

5:00 pm **Recess**

Wednesday, June 14th

7:00 am **Optional Fieldtrip**
Guided hike through the Occoquan Bay National Wildlife Refuge led by Gabriela Youngken of Potomac River NWRC and R. Christian Jones of the Potomac Science Center. Please plan to meet at the parking lot of the Refuge Visitor Center at 7:05; the hike will start at 7:15.

9:00 am **Light Breakfast (provided)**

9:30 am **Framing the Discussion: Advancing Living Resource and Habitat Management in the Chesapeake Bay’s T-Zone** — *Kathy Boomer (FFAR)*

Targeted outcomes for the discussion below:

- Understand the CBP’s current implementation of adaptive management of living resources and habitat management in the T-Zone.
- Explore the utility of modeling to advance adaptive management.
- Reflect on tractable opportunities to advance linked modeling-monitoring efforts to advance CBP AM.

9:45 am **Opening Remarks on Adaptive Resource Management: The Power of (Multiple) Models** — *Byron (Ken) Williams (USGS)*

- 10:30 am** ***Presentation Panel: Current Use of Multiple Models to Support CBP Management***
Panel followed by a Q&A session.
Panelists: Gary Shenk (USGS), Lew Linker (EPA), and Peter Tango (USGS)
- 11:15 am** **Break**
- 11:25 am** ***Response Panel & Group Discussion: How can these efforts help inform CBP Adaptive Management?***
Panel followed by a Q&A session.
Panelists: Byron (Ken) Williams (UMCES), Mike Runge (USGS), and Kenny Rose (UMCES).
- 11:55 am** **Summary of Key Takeaways — *Kathy Boomer (FFAR)***
- 12:05 pm** **Meeting Wrap-Up**
- STAC Staff will summarize action items from the June quarterly meeting
 - Next STAC meeting: September 12-13th at the [Frederick Douglass-Isaac Myers Maritime Park](#) in Baltimore, MD.
 - Reminder of September meeting theme
- 12:20 pm** **Adjourn**