

Scientific, Technical Assessment and Reporting (STAR) Meeting
Integrated Monitoring and Data Integrity



Thursday, May 27, 2021
09:30 AM – 12:30 PM

Join by Webinar:
Meeting Number: 120 337 3411
Password: STAR

Webinar*: <https://umces.webex.com/umces/j.php?MTID=m990a847f0088d3f3a44119a3b47575bc>

Or join by phone:
Conference Line: +1-408-418-9388 Access code: 120 337 3411

Meeting Materials:
https://www.chesapeakebay.net/what/event/scientific_technical_assessment_and_reporting_star_team_meeting_may_2021

This meeting will be recorded for internal use to assure the accuracy of meeting notes.

AGENDA

09:30 Welcome, Introductions & Announcements – Bill Dennison (UMCES) and Scott Phillips (USGS)- STAR Co-Chairs, Peter Tango (USGS) Co-Coordinator

Upcoming Conferences, Meetings, Workshops, & Webinars-

- [NatureCity Forum - June 16 & 17](#)
- [Mid-Atlantic Climate Change Education Conference - June 28-July 1 \(Virtual\)](#)
- [Approach to Track Chemical Mixtures in Urban Waters Impacted by Road Salts - June 30 \(Virtual\)](#)
- [Chesapeake Bay Landscape Professional Summer Level 1 Training - July 7 & 14](#)
- [Agricultural Conservation Technical “Boot Camp” Training Level II - August 23](#)
- [Preparing for Generation NEXT Workshop Fall Webinar Series - September 8, 9, 15 & 16](#)
- [2021 Chesapeake Watershed Forum - November 4 & 5 \(Virtual\)](#)
- [American Fisheries Society Annual Meeting - November 6-10 \(Baltimore, Md.\)](#)

09:35 CBP Communications Update – Marisa Baldine (CRC)

09:40 Improving Monitoring Networks: PSC Request - Peter Tango (USGS)

Peter will provide a brief update of the progress towards addressing the PSC monitoring request.

09:45 The Future of Cross-GIT Mapping at the Chesapeake Bay Program- John Wolf
(Chesapeake Conservancy and RTI)

10: 30 - 11:50 Data Synthesis

This section will outline how the Chesapeake Bay Program synthesizes existing monitoring data utilizing Federal, Academic, Jurisdictional, and Bay Program partners to answer Chesapeake Bay specific questions. Each presentation will take roughly 15 minutes with 5 minutes for discussion immediately after each talk.

10:30 Data synthesis at the Chesapeake Bay Program-Bill Denison (UMCES)

Bill will discuss the process of synthesizing data and how the CBP has utilized existing data sources and involved academic, federal, and CBP staff to collaboratively create staff, collaborating to create products useful to achieving goals at the CBP. Examples of projects include an ongoing STAC report on BMPs and Climate Change as well as work by and Jeremy Testa on shallow water modelling

10:50 Nutrient Limitation in the Chesapeake Bay - Qian Zhang (UMCES)

Qian will describe his utilization of existing data to synthesize information on nutrient limitation within the Chesapeake Bay. He will then provide an overview of how his synthesis projects describe how the potential of nutrient limitation is affected by management strategies within the Chesapeake Bay.

11: 10 Innovation: Exploring Satellite Image Integration for the Chesapeake Bay SAV Monitoring Program - Peter Tango (USGS)

Peter will review the recent STAC Workshop results and lessons learned from the subsequent pilot study on implementing the process for taking the research concept into full operational use for annual monitoring of SAV cover in the tidal waters of Chesapeake Bay.

11:30 Shallow Water Modelling in Chesapeake Bay -Jeremy Testa (UMCES)

Jeremy will present on progress with a collaboration with Richard Tian and Lewis Linker on a test study of shallow water modeling of the Corsica river. This presentation will relate how existing data sources have been utilized to motivate new shallow water modeling tools that will further the understanding of processes which take place in shallow water environments and the ability of models to capture high frequency dissolved oxygen dynamics.

11:50 Chesapeake Bay Tidal Trends Update – Rebecca Murphy (UMCES)

Rebecca will provide an update on the Tidal Trends in the Chesapeake Bay showing new insights into Nitrogen, Phosphorus, and Dissolved Oxygen.

12:20 Final Thoughts - Bill Dennison (UMCES) and Peter Tango (USGS)

12:30 Adjourn

Next Meeting Dates: June 24, 2021 10:00-12:30