



Criteria Assessment Protocol Workgroup (CAP) Meeting

Wednesday, November 16, 2022
10:00 AM – 11:00 AM

Join by Webinar

<https://umces.webex.com/umces/j.php?MTID=mde0039db4630b29b2a2cfbfddb5855b0>

Meeting Number: **2622 931 1072**

Password: wVqTBmGn365

Or join by phone

Conference Line: +1-408-418-9388 Access code: **2622 931 1072**

Meeting Materials:

<https://www.chesapeakebay.net/what/event/criteria-assessment-protocol-workgroup-november-2022-meeting>

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

**Closed captioning will be available for this meeting. To turn on the closed captioning, select the “cc” button in the bottom left corner of the screen. To show a live transcript of the meeting, go to the bottom right-hand corner of the screen and select “captions”.*

AGENDA

10:00 AM Welcome, Introductions & Announcements – Peter Tango (USGS), Chair, Amy Goldfischer (CRC), Staffer

Conferences:

- [Coastal and Estuarine Summit](#) – December 4-8, 2022, New Orleans, LA.
- [A Community on Ecosystem Services](#) - December 12-15, 2022, Washington, D.C. Metropolitan Area.
- [Maryland Water Monitoring Council Annual Conference](#) – December 15, 2022, Linthicum Heights, MD. [Registration](#) closes December 1, 2022.
- A workshop on applying novel techniques to assess and forecast harmful algal blooms (HABs) in Chesapeake Bay to protect fisheries, aquaculture, and human health – January 18-19, 2023, Virginia Institute of Marine Science, Gloucester, Virginia. BY INVITATION ONLY.
- National Water Quality Monitoring Council’s 13th [National Monitoring Conference](#) - April 24-28, 2023, Virginia Beach, VA.
- [Species on the Move](#) – May 15-19, 2023, Everglades National Park, FL.
- [Interagency Conference on Research in the Watersheds \(ICRW8\)](#) – June 5-8, 2023, Corvallis, Oregon. [Abstracts](#) due December 15, 2022.
- [CERF 2023 Conference: Resilience & Recovery](#) – November 12-16, 2023, Portland, Oregon. [Abstracts](#) due May 10, 2023.
- [Citizen Science Association conference, C*Sci 2023](#) - May 22-26, 2023, Arizona State University campus in Tempe/Phoenix, Arizona.

Today's Goals –

- Highlight issues that will require documentation – prioritize efforts
 - **Action:** Request - Quarterly meetings this next year to work on CBP needs.
- Presentation on recent issues needing your input, being addressed in the CBP
 - **Action:** Suggestions for consideration on Rappahannock TF station proposals
- CB6/7 & Mobjack Bay designated use modifications
 - **Action:** Moving towards approval and publication by CBP to support WQ Standards attainment assessment updates

10:10 AM Issues on the docket: Overview for awareness of what lies ahead - Peter Tango (USGS)

- Water temperatures are rising – do we need “temperature adjusted criteria” going forward? (Is there such a thing?)
- CB6/7 boundary layer for designated uses – the power the of the data, updated habitat distributions
- SAV satellite-based assessment? Status of progress, documentation of evolving methods, recognition of steps that remain to go from research to operation
- Assessing CHLA criteria baywide –
 - Are NOAA tools available sufficient now for quantifying HAB risks and giving substance to assessing the narrative criteria (USEPA 2003)?
 - Published paper on a satellite-based time series of baywide chlorophyll conditions, can we adopt the methods for baywide chlorophyll a assessment, status and trends?
- Assessing Water Clarity criteria – state of the science to support shallow water habitat assessment. Are we there yet? What is needed if we are not.
- Dissolved oxygen criteria assessment – gap filling, the need to document our new methods
 - Hypoxia monitoring network investment will support high temporal frequency measures that have been missing from the standards attainment assessment.
 - Station locations are rolling out in phases
 - Bay Oxygen Research Group –
 - 4-D interpolator development – requires documentation of methods underpinning the approach
 - Outline of the expected method of using output in a protocol assessment
 - EPA ROAR proposal –
 - Shallow water data assessment, sampling design integration
 - Recent work by MD DNR, UMCES on sampling design options deserving documentation and review complementing previous sampling design guidance (e.g., USEPA 2003, Bever et al references)

10:25 AM Station change considerations on the tidal fresh Rappahannock – issues of nonstationarity in the ecosystem - Assessment impacts? - Peter Tango (USGS), Cindy Johnson (VADEQ)

Cindy Johnson (VADEQ) has highlighted important changes in the bathymetry of the tidal fresh Rappahannock River affecting conditions at two long-term water quality monitoring stations. Peter will provide a few slides from Cindy's considerations about future operations of the stations. Some initial

comments from recent input from other CBP workgroups will be presented. We look forward to your input and considerations.

10:40 AM Designated Use Modification TSD for CB6PH, CB7PH, and Mobjack Bay – Update - Tish Robertson (VADEQ)

Tish Robertson (VADEQ) has developed analysis and worked with the Modeling Workgroup regarding supporting results for Designated Use modifications in portions of the lower Chesapeake Bay. Codifying the modification will affect dissolved oxygen criteria evaluations for the future.

11:00AM Adjourn