Chesapeake Bay Program
Science. Restoration. Partnership.

Bay Oxygen Research Group Meeting

Monday, January 26, 2026
12:00 PM – 1:00 PM

Join the meeting via Microsoft Teams
Meeting ID: 216 055 068 110 74 | **Passcode:** Hu7q3o8E
Call: +1 469-208-1525 | **Conference ID:** 372 767 167#

Visit the meeting webpage for meeting materials and additional information.

This meeting may be recorded for internal use only to assure the accuracy of meeting notes. To turn on closed captioning, click on the three ellipses (More actions), then click on "Turn on live captions" (preview). To request accommodations, please contact Allison Welch at awelch@chesapeakebay.net.

Please read the following information carefully, as our meeting policies have changed:

- All meeting attendees' cameras and microphones will be muted at the start of the meeting.
- To request access to the microphone and camera, all meeting participants will be required to use the raised hand feature on Teams. Once access has been granted by the meeting organizer, you will then be allowed to unmute your mic and turn on your camera. Unless instructed otherwise, once a participant has microphone or camera access, they will have this permission for the remainder of the meeting.
- Access to chat will be provided as well. Should it be necessary, the Q&A feature on Teams will be utilized to field participant questions.

Compromised Meeting Plan: If the meeting's privacy is compromised, the meeting staffer and coordinator will send an email to all Members, alternates, staffers, coordinators, and interested parties. Within the email, you will find a new meeting link, instructions on sharing this information with external partners, and any necessary adjustments to the meeting schedule. Please do NOT share this information publicly or post it to the Chesapeakebay.net webpage.

Purpose: In this meeting, participants will hear a draft presentation, *4-Dimensional Interpolator 101*, by Kaylyn Gootman (EPA) and have the opportunity to provide feedback before it is presented to management. Then, Rebecca Murphy (UMCES) and Elgin Perry will be sharing an analysis of class imbalances and how those findings can be applied to the 4-d interpolator.

Agenda

I. **Welcome, Introductions & Announcements** **(12:00 PM – 12:05 PM)**
   *Lead: **Kaylyn Gootman** (U.S. Environmental Protection Agency, EPA)*

   Follow up from November and December BORG Meeting

   Items from past meetings we will bring to future BORG meetings:

- Proposed thinning for remainder 50m resolution segments
- Discuss the schedule and feasibility of updating the correlation computations using new data as available going forward in operational mode
- Discuss with the group how Tier 2 data can be used to support the tool even if it is not used for criteria assessment

Action Item from December BORG Meeting:

- Confirm if there is continuous dissolved oxygen in Teir 2 Chesapeake Monitoring Cooperative (CMC) Data to support correlation computations.
  - Completed: CMC confirmed there is none.

Upcoming Conferences, Meetings, Workshops and Webinars

- Choose Clean Water Conference – May 18-20, 2026. Lancaster, Pennsylvania.
- Chesapeake Community Research Symposium – June 1-3, 2026. Annapolis, Maryland. Abstracts due February 13, 2026.

II. 4-Dimensional (4-D) Interpolator 101   (12:05 PM – 12:25 PM)
Lead: Kaylyn Gootman (EPA)

This is the draft version of a presentation that will be given to management in a few weeks. The team is asking for feedback, specifically if anything is missing or should be removed.

Requested Action: Feedback

III. Class Imbalance and Proposed Experimental Units   (12:25 PM – 1:00 PM)
Lead: Rebecca Murphy (University of Maryland Center for Environmental Sciences, UMCES) and Elgin Perry

Rebecca and Elgin will present on a challenge that has been identified with using data sets with extremely different spatial and temporal scales together in the 4D tool. Elgin will overview how this concept has been identified and addressed in other data-analysis fields. Rebecca will show examples from our data sets and how interpolator performance improves when the proposed Experimental Units approach is implemented.

This presentation is a continuation and further analysis from the November BORG presentation, "Subsample High Frequency."

Requested Action: Feedback. Item will be discussed further in a future BORG meeting.

IV. Adjourn   (1:00 PM)

Next Meeting: February 23, 2026