Chesapeake Bay Program
Science. Restoration. Partnership.

Bay Oxygen Research Group Meeting

Monday, February 23, 2026
12:00 PM – 1:30 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: This is the monthly meeting of the Bay Oxygen Research Group. In this meeting, Rebecca Murphy (UMCES) will be presenting on class imbalance in the 4-d interpolator and proposed solutions. This is a continuation of her presentation at the January BORG Meeting. Then, Breck Sullivan (USGS) will be introducing the FAQ document and asking for feedback.

Agenda

I. Welcome, Introductions & Announcements
Lead: ***Breck Sullivan*** *(U.S. Geological Survey, USGS)*

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

3. Restore America's Estuaries' 2026 Coastal & Estuarine Summit – September 22-25, 2026. San Francisco, California.

II. Class Imbalance with 4D Data Sets and Proposed Solutions
Lead: ***Rebecca Murphy*** *(University of Maryland Center for Environmental Sciences, UMCES) and* ***Elgin Perry***

Rebecca will continue a presentation from the January meeting on a challenge that has been identified with using data sets with extremely different spatial and temporal scales together in the 4D interpolation. Rebecca will review the approaches Elgin presented at the last meeting to evaluate and account for this imbalance. Finally, the team will show examples on both the impact of using an hourly timestep as well as how interpolation results match all the data types better when the proposed approach using Experimental Units approach is implemented.

This presentation is a continuation and further analysis from the January BORG presentation, "Class Imbalance and Proposed Experimental Units."

Requested Action: Feedback

III. 4-D Interpolator Frequently Asked Questions (FAQ) Document
Lead: ***Breck Sullivan*** *(USGS)*

To ensure thorough understanding, the 4-d interpolator team has decided to make a document of FAQs. This document will provide quick answers to common questions and enhance stakeholder understanding. Breck will be providing an overview of this draft document and encourages participants to recommend any questions they believe are missing.

Requested Action: Feedback

IV. Adjourn **(1:30 PM)**

Next Meeting: March 16, 2026