Chesapeake Bay Program
Science. Restoration. Partnership.

Bay Oxygen Research Group Meeting

Tuesday, July 28, 2026
12:00 PM – 1:30 PM

Join the meeting via Microsoft Teams
Meeting ID: 219 869 256 826 12 | **Passcode:** Uz7ks2bb
Call: +1 469-208-1525 | **Conference ID:** 112 014 875#

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 for the Bay Oxygen Research Group (BORG). In this meeting, the 4-D Interpolator Development Team will begin by answering questions relating to the current documentation. Next, Rebecca Murphy (UMCES) will be providing an overview of the workflow and Jon Harcum (TetraTech) will be touching on the interpolator's depth correlation.

Agenda

I. Welcome, Introductions & Announcements **(12:00 PM – 12:20 PM)**
Lead: ***Peter Tango*** *(U.S. Geological Survey, USGS)*

Upcoming Conferences, Meetings, Workshops and Webinars

- Restore America's Estuaries' 2026 Coastal & Estuarine Summit – September 22-25, 2026. San Francisco, California.
- Chesapeake Watershed Forum – November 13-15, 2026. Shepherdstown, West Virginia. *Submit to registration lottery by August 21st. More information here.*

Announcements

- With the updated structure and governance, the Bay Oxygen Research Group Action Team is moving into the Clean Water Goal Team. To stay up to date with the Clean Water Goal Team and their monthly meetings, please join the mailing list by emailing Allison Welch (awelch@chesapeakebay.net). You can also join the list for the Clean Water Goal Team Newsletter by following this link.

II. Documentation Questions & Review

Description: Draft documentation has been shared with members of the Bay Oxygen Research Group. Based on those draft materials, the 4-D Development Team will address any questions on the content. If participants know of any questions prior to the meeting, please send them to Rebecca Murphy (rmurphy@chesapeakebay.net).

Requested Action: Informational, none.
Lead: **Peter Tango** (USGS)
Materials: Presentation can be found on the meeting webpage.

III. Overview of Workflow

Description: Rebecca will present an overview of the structure of the 4-D interpolator. This presentation serves as an introduction to the next one where Jon will go into more detail on parameterization for one part of the interpolation.

Requested Action: Informational, none.
Lead: **Rebecca Murphy** (University of Maryland Center for Environmental Science, UMCES)
Materials: Presentation can be found on the meeting webpage.

IV. 4D Interpolator: Large-Scale Depth Correlation

Description: This presentation reviews the approach used to represent depth-related patterns in dissolved oxygen within the 4D interpolator. We will summarize the findings from historical data analyses, discuss regional differences, and present the selected implementation strategy and its benefits for generating realistic water quality profiles.

Requested Action: Informational, none.
Lead: **Jon Harcum** (TetraTech)
Materials: Presentation can be found on the meeting webpage.

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

Next Meeting: ***August 17, 2026***