

Bay Oxygen Research Group (BORG) Meeting



Thursday, May 20, 2021
01:00 PM – 02:00 PM

Join by Webinar:

<https://umces.webex.com/umces/j.php?MTID=mafa4cd533da8132cf65b2b024b85e274>

Meeting Number: 120 154 5311

Password: BORG

Or join by phone:

Conference Line: +1-408-418-9388 Access code: **120 154 5311**

Meeting Materials:

https://www.chesapeakebay.net/what/event/bay_oxygen_research_group_may_2021_meeting

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

AGENDA

01:00 Welcome, Introductions & Announcements – Peter Tango (USGS), Breck Sullivan (CRC)

Breck Sullivan would like to propose standardizing future meetings for the third Thursday of each month from 1-2.

01:05 Current spatial interpolation approach and needed advances - Rebecca Murphy (UMCES)

Rebecca will describe the current IDW technique and outline current interpolator outputs. We will discuss features/output what will be needed beyond current outputs.

01:25 Discussion of data sources available - Peter Tango (USGS)

Peter will show what previous long term vertical DO monitoring looked like in the summer of 2020 in order to get feedback for what type of information BORG is trying

to interpolate/estimate). He will also lead a discussion on what other data sets might be available

**01:40 Preliminary exploration of approaches - Elgin Perry, Rebecca Murphy (UMCES),
Isabella Bertani (UMCES)**

1. Overview of the general approach: deterministic model + simulations to capture space/time uncertainty
2. Options for the deterministic component of the model: a couple of slides on GAMs, a couple of slides on BRTs, other methods?
3. An example of what the results would look like: Elgin's video

01:55 Final Thoughts - Peter Tango (USGS)

02:00 Adjourn

Next Meeting Dates: June 17, 2021; 01:00 - 02:00