

# Virginia Annual Harmful Algal Bloom (HAB) Task Force Meeting

## Monday February 26, 2024 · 8:30am to 3:00pm

### MEETING AGENDA

The meeting will be recorded. For agenda, speaker bios, presentation pdfs and a recording of the meeting, visit: <https://www.vdh.virginia.gov/waterborne-hazards-control/2023-hab-task-force-meeting/>

- 8:30 **ZOOM virtual meeting opens – refreshments served for arriving in-person attendees**
- 9:00 **Welcome to Virginia’s Annual HAB Task Force Meeting** Kim Reece, Professor, Ecosystem Health, Virginia Institute for Marine Science (VIMS) & Danielle Schools, Division Director, Shellfish Safety and Waterborne Hazards (DSSWH), Virginia Dept of Health (VDH)
- 9:10 **Student Lightning Talks – Session 1**
- [Real-time Forecasts of Harmful Algal Blooms Using Empirical Habitat Suitability Models](#) Dante M. L. Horemans, VIMS
- [Insights into the stability of three phycotoxins in response to various environmental conditions](#) Josh Garber, VIMS
- [Linking biological and functional microbial diversity with environmental conditions within the Chesapeake Bay Watershed](#) Lex Berger, GMU
- [Preliminary Report on Correlations of Selected Cyanobacteria and Abiotic Variables in Smith Mountain Lake 2022-2023](#) Riley Hines, Ferrum College
- 9:45 [ODU Mulholland Lab Marine Recap 2023](#) Margaret Mulholland, Professor, Department of Ocean, Earth & Atmospheric Sciences, Old Dominion University (ODU)
- 10:00 [VDH Marine Biotoxin Recap 2023](#) Todd Egerton, Marine Science Supervisor, DSSWH, VDH
- 10:15 [VIMS Reece Lab Marine Recap 2023](#) Kim Reece, Professor, Ecosystem Health, VIMS
- 10:30 [Cyanobacteria Response Recap 2023](#) Lyndia Branch, Statistical Analyst, DSSWH, VDH
- 10:55 [Field Strip Test for Benthic Mats](#) Boris Polyak, Director of Research & Development, Gold Standard Diagnostics
- 11:10 [GMU SPATT Collab with Shenandoah River Water Utilities 2023](#) Samantha Mohney, PhD Student, George Mason University (GMU)
- 11:25 **Student Lightning Talks – Session 2**
- [Metagenomic insights into microbial stratification during a harmful algal bloom event in the York River Estuary](#) Lilly Blume, VIMS
- [Mapping a \*Margalefidinium polykrikoides\* bloom transported to the Virginia Beach oceanfront with high resolution multispectral imagery](#) Katherine Crider, ODU
- [Advancements with FlowCam and Planktoscope](#) Savannah Mapes, PhD Candidate, VIMS
- [FlowCam: Sample Collection and Monitoring HAB Species of the Chesapeake Bay](#) Kayla Marciniak, ODU

### 12:00 - 1:00pm Lunch Break

- 1:00 **Group Session 1 - General Assembly House Bill 30 HAB Investigations** [Overview](#) Andrew Garey, Water Quality Monitoring Team Leader, Department of Environmental Quality (DEQ), [Lake Anna](#) Carly Maas, United States Geological Survey (USGS), [Shenandoah River](#) Gordon “Mike” Selckmann, Interstate Commission on the Potomac River Basin (ICPRB)
- 2:00 **Group Session 2 – Laboratory Updates on HAB Research;** [Reece Lab](#) Kim Reece, Professor, Ecosystem Health, VIMS, [Mulholland Lab](#) Margaret Mulholland, Professor, Department of Ocean, Earth & Atmospheric Sciences ODU, [Smith Lab](#) Juliette Smith, Associate Professor, Ecosystem Health, VIMS
- 2:55 **Closing Remarks** Kim Reece (VIMS)
- 3:00 **Adjourn**

### ODU Planktoscope Demonstration in A/B Classroom 3:30pm – 4:30pm

register for free at: [https://docs.google.com/spreadsheets/d/1IAH4-tqntdmcAmEG\\_MtkFu02uJUDes\\_ohPxyGRaZEZ0/edit#gid=0](https://docs.google.com/spreadsheets/d/1IAH4-tqntdmcAmEG_MtkFu02uJUDes_ohPxyGRaZEZ0/edit#gid=0)