

2023 POTOMAC RIVER CONFERENCE: ONE RIVER'S PERSPECTIVE ON A CHANGING CLIMATE

Date: Thursday, September 21, 2023, 8:30 am - 3:30 pm

Location: Fairfax Water, 9600 Ox Road, Lorton, Va.

Agenda

Coffee and Registration (8:30 am)

Session 1: Opening (9:00 am)

Moderator - Michael Nardolilli, ICPRB

- In Memoriam Curtis Dalpra - Michael Nardolilli, ICPRB
- Welcome to Fairfax Water - Jamie Hedges, Fairfax Water
- Welcome to the 2023 Potomac River Conference - Robert Sussman, ICPRB Chair
- Keynote Speaker: The Climate Crisis and Potomac River Communities - Katie Blackman, Potomac Conservancy

Session 2: Trends in the Potomac Basin (9:45 am)

Moderator - Chris Jones, GMU

- Trends & Projections for the Potomac River Basin - Cherie Schultz, ICPRB
- Temporal trends in Potomac River fish abundance indicate a changing flow regime - Nathaniel Hitt, USGS
- Using Cluster Analysis to Detect Changes in Seasonality of Estuarine Water Quality Over Time - Elgin Perry, Consultant to EPA CBP
- Oligotrophication of the Tidal Freshwater Potomac River in a Changing Climate - Dann Sklarew and Chris Jones, GMU
- CBP Tributary Summaries: Communication tool on water quality changes to inform management decisions - Alex Gunnerson, CRC CBP

Break (11:05 am)

Session 3: Regional Resilience (11:15 am)

Moderator - Pam Kenel, Loudoun Water

- Climate Change Considerations for MS4 utilities: a District of Columbia case study - Anouk Savineau, LimnoTech and Matt Gallagher, DOEE
- MD's Forests and New Forest Conservation Legislation - Susan Minnemeyer, Nature Plus

Speaker bios, abstracts, and more information can be found here:

bit.ly/potomac-conference-booklet



Agenda (Cont.)

Lunch, Posters, and Networking (12:00 pm)

- Reflections on Curtis Dalpra will occur during the lunch hour. We invite you to share your thoughts.

Session 4: Government Innovation (1:00 pm)

Moderator - Jeffery Seltzer, DOEE

Christopher Beck (MDE); Erin Garnaas-Holmes (DOEE);

Katherine Rainone (MWCOG); Megan Porta (PA DEP)

Session 5: Implementation (2:00 pm)

Moderator - Steve DeRidder, Berkeley County PSWD

- Watershed Forest Management Challenges for Water Supply - Jenny Willoughby, Frederick, MD
- Water Quality Modeling and Monitoring in Vulnerable Communities within the Chesapeake Bay Watershed - Leah Staub, Andrew Sekellick, and Tristan Mohs, USGS

Session 6: Closing (2:35 pm)

Michael Nardolilli, ICPRB Executive Director

Poster Session (2:45-3:45 pm)

- A New Primary Producer Enters the Tidal Freshwater Potomac: Seasonal Dynamics of the Benthic Cyanobacterium *Microseira (Lyngbya) wollei* - Chris Jones, GMU, and Sam Mohney, GMU
- Assessing the sources of pesticides in the Potomac River Watershed through wastewater reuse modeling - Samuel Miller, Daniel Burns, and Kaycee Faunce, USGS
- A Tale of Two Embayments: Interaction of Nutrients, Water Clarity, Phytoplankton, and Submersed Aquatic Vegetation Drives Ecosystem Structure - Chris Jones, GMU
- Chemical prioritization of contaminants in the Potomac River - Scott Glaberman, GMU
- Field surveys and comparative parasitology of freshwater native and invasive snails in the Potomac River and its watershed - Amy Fowler, GMU
- Phenology of Two-horned Water Chestnut (*Trapa bispinosa Roxb. var iinumai Nakano*) in Northern Va. Ponds - Sujata Poudel, GMU, Chris Jones, GMU, and Nancy Rybicki, USGS/GMU
- Potomac Riverkeeper Network's Community Science Water Quality Monitoring Program and Public Health - Morgan Bench and Lisa Wu, Potomac Riverkeeper Network
- Shifts in the community structure of tidal freshwater fishes associated with alternate stable states - T. Reid Nelson, GMU
- Short-term risk assessment for a newly introduced water chestnut, *Trapa bispinosa Roxb.*, entering the Potomac River, U.S. - Nancy Rybicki, USGS/GMU
- Why Viewsheds matter to planning for land use change - Lynn Crump and Jennifer Wampler, Scenic Virginia

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