Inland HABs Discussion Group
Webinar: Success Stories of HABs Prevention, Control and Management Techniques

Date / Time	Thursday, May 23th, 2017 // 11:30 am – 1:30 pm (Eastern Time)
Organizers	Lorrie Backer, CDC, NCEH // Lesley V. D'Anglada, USEPA, OW, OST // Keith Loftin, USGS, KWSC
Audio and Log-in Information	http://epawebconferencing.acms.com/habs1/ For audio: you have the option to listen to the audio portion of the webinar using computer audio (VoIP or Voice over Internet Protocol), or, alternatively, by calling in using your telephone. Call-In Number: (866) 299-3188 Conference Code: 2025661125#

Time	Topic	Presenters
11:30- 11:40	Updates from CDC, USGS and USEPA	Lorrie Backer, CDC Keith Loftin, USGS Lesley D'Anglada, USEPA
11:40- 12:00	Floating wetlands for treatment of urban and agricultural runoff in Virginia	David J. Sample, Associate Professor and Extension Specialist Virginia Polytechnic Institute and State University, VA
12:00 – 12:20	Mitigation of Maryland cyanobacteria blooms: Barely straw, clay flocculation, peroxide, and permanganate	Kevin Sellner, Senior Scholar Center for Coastal and Watershed Studies Hood College, MD
12:20 – 12:40	Pinto Lake: Progress Towards a Healthier Community Lake	Jackie McCloud, Sr. Utilities Engineer City of Watsonville, CA
12:40 – 1:00	Leaky Cyanobacterial Cells and Algaecide Treatments: A Look at the Data and Implications for Decision Making	John Rodgers, Jr., Professor Forestry and Environmental Conservation Department Clemson University, SC
1:00-1:20	Choosing a Remediation Approach: A Case Study Based in First Principles and Mass Balance	David A. Caron, Professor Department of Biological Sciences University of Southern California
1:20 – 1:30	Q & A and Discussion	Lesley D'Anglada
1:30 pm	Adjourn	

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PRESENTERS BIO

Dr. David J. Sample, **Virginia Polytechnic Institute and State University, VA**
Dr. Sample is an associate professor and extension specialist in the department of Biological Systems Engineering at Virginia Tech, where he has worked since 2008. Dr. Sample's research focuses upon improving the management of urban stormwater at its source, focusing on the design of best management practices (BMPs), improved mathematical models and monitoring techniques for assessing BMP performance. Dr. Sample received a BS and ME from the University of Florida (Gainesville, FL) in environmental engineering and a PhD from the University of Colorado (Boulder, CO) in Civil Engineering. He is a registered Professional Engineer in Virginia, and is board certified by the Academy of Water Resource Engineers. In addition to his academic work, Dr. Sample has previously worked for 22 years in consulting and municipal government. He has authored or coauthored over 150 journal articles, conference proceedings and/or presentations, extension publications, and reports.
E-mail: dsample@vt.edu Phone: 757.363.3835

Dr. Kevin G. Sellner, Center for Coastal and Watershed Studies Hood College, MD
Dr. Sellner is pursuing cyanobacteria monitoring and research in lakes and rivers in western, MD including both planktonic and benthic taxa. He has also focused on mitigation strategies for these taxa, using barley straw, flushing, peroxide, permanganate, and ultrasound. The linkages to local land use and future planning are also a priority, with Dr. Sellner working to inform and ideally alter landscapes to conditions less likely to enhance cyanobacteria dominance. Dr. Sellner was Executive Director of the Chesapeake Research Consortium and visiting Professor, at the University of Maryland, a research associate at the Smithsonian Environmental Research Center and the Executive Secretary of the Chesapeake Bay Program's Scientific & Technical Advisory Committee (STAC).
E-mail: sellnerk@si.edu; Phone: 410-693-2067

Ms. Jackie McCloud, City of Watsonville, CA
Ms. McCloud is a Senior Utilities Engineer at the City of Watsonville. From clean(ing) to green(ing): A winding path has led her to her current career in environmental resource management. After graduating from UC Santa Cruz with a BS in Earth Sciences, Ms. McCloud's financial path led her to cleaning floors at a falafel shop. She noted that this was not the pinnacle of her goals. Ms. McCloud has spent the last 15 years of her career working on public and environmental health issues in a variety of capacities from water quality to environmental/public health initiatives. Her focus is in water resource management with emphases on legislative work, storm water, drinking water, flood risk and environmental resource protection. In her current position, Ms. McCloud works on complex environmental issues that impact her community. One of the many water resource management hats she wears is leading the restoration efforts of Pinto Lake.
E-mail: jackie.mccloud@cityofwatsonville.org; Phone: 831-768-3172

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John Rodgers, Jr., Clemson University, SC

Dr. Rodgers. is a Professor in the Department of Forestry and Environmental Conservation at Clemson University, SC, and he directs the Ecotoxicology Program. He has conducted research on algae and HABs for more than 40 years. This program has produced almost 100 MS and PhD students as well as 150 peer reviewed publications. Studies have encompassed much of the US and have touched on other continents. Rodgers has served as the president of the Society of Environmental Toxicology and Chemistry and is currently the president-elect of the Aquatic Plant Management Society.

E-mail: jrodger@clemson.edu; Phone: 864-656-0492

David A. Caron, University of Southern California

Dr. Caron is a Professor in the Department of Biological Sciences at the University of Southern California. He has a BS in Microbiology and an MS in Oceanography from the University of Rhode Island, and a PhD in Biological Oceanography conferred jointly by Massachusetts Institute of Technology and Woods Hole Oceanographic Institution. Dr. Caron's research interests involve the ecology of microbes in marine and freshwater ecosystems. He has ongoing research programs involving studies of harmful algae and cyanobacteria, and has studied the biodiversity of microbes in locations ranging from Antarctic to tropical seas to deep-sea hydrothermal vents. Dr. Caron has authored or co-authored ≈230 scientific articles and book chapters, and has been Section Head of the Marine and Environmental Biology section, Department Chairperson, and the Interim Director of the Wrigley Institute for Environmental Studies at USC. He is a Fellow of the American Association for the Advancement of Science, the American Academy of Microbiology, and several national professional societies. He has been affiliated with USC since 1999.

E-mail: dcaron@usc.edu; Phone: 213-740-0203