

US EPA ARCHIVE DOCUMENT

**Inland HABs Discussion Group
Webinar: Record-breaking HABs in the US in 2015**

Date/Time	Thursday November 5, 2015 / 11:30 am – 1:00 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 V. D'Anglada, USEPA
11:40-12:00	Ohio River HAB 2015: A 700+ mile Microcystis bloom on the mainstem Ohio River	Erich B. Emery Water Quality Specialist / Biologist Water Management Division U.S. Army Corps of Engineers Greg Youngstrom Environmental Scientist Ohio River Water Sanitation Commission (ORSANCO)
12:00 – 12:20	The Year of Crazy - Droughts, Blooms, Warm Blobs, and other Anomalies in the Eastern Pacific	Raphael Kudela, Professor Ocean Sciences Department University of California Santa Cruz
12:20-12:40	HAB data needs for the Interagency CyAN project (EPA, NASA, NOAA, USGS)	Keith Loftin, Research Chemist/Environmental Engineer USGS
12:40-1:00	States Updates: Colorado's draft response plans to HABs for Recreation and Drinking Water	Mindi May Water Quality Coordinator Colorado Parks and Wildlife David Dani Colorado Department of Public Health and Environment
1:00 pm	Adjourn	

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PRESENTERS BIO

Erich B. Emery - U.S. Army Corps of Engineers

Erich Emery currently serves as the regional water quality point of contact for the U.S. Army Corps of Engineers Great Lakes and Ohio River Division. In that role he serves as the Division's principal technical advisor on matters related to the water quality programs within the Division. He also serves as the Chair of the Corps' National Committee on Water Quality and represents the Corps on the Interagency Working Group on the Harmful Algal Bloom and Hypoxia Research and Control Act (IWG-HABHRCA). Erich received his M.S. in Biology from Marshall University in 1994.

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Greg Youngstrom - ORSANCO

Greg Youngstrom is an Environmental Scientist with the Ohio River Water Sanitation Commission. He has a B.S. in Biology from Bowling Green State University. Greg has worked in both government and industry for 25 years. With ORSANCO he coordinates HAB response and directs the nutrients program which deals with both local and national issues, from development of water quality standards to representing the Ohio River Basin to the Mississippi River/Gulf of Mexico Watershed Nutrient Task Force.

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Raphael Kudela - University of California Santa Cruz

Dr. Kudela is a Professor in the Ocean Sciences Department and Ida Benson Lynn Chair of Ocean Health at University of California Santa Cruz. He is a phytoplankton ecologist specializing in ecophysiology, bio-optics and remote sensing. Recent relevant projects include a NOAA ECOHAB Regional Project focusing on bloom initiation for the toxic diatom *Pseudo-nitzschia*, red tide prediction using remote sensing and modeling in the Sea of Oman, and a recently started NOAA MERHAB project exploring linkages between coastal watersheds and the nearshore ocean. Kudela served as the Chair of the Global Ecology and Oceanography of Harmful Algal Blooms (GEOHAB) Programme, and is co-Chair of the US National HAB Committee.

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Keith Loftin - USGS

Dr. Keith Loftin is a research chemist and environmental engineer at the U.S. Geological Survey's Organic Geochemistry Research Laboratory. His research is largely focused on occurrence, fate, transport, and effects of HABs and their cyanotoxins in freshwater and saline environments and analytical methods development to support that research. Keith has worked in collaboration with the US EPA to measure and interpret cyanotoxins and HABs in the 2007 National Lakes Assessment, 2011 National Wetland Condition Assessment, 2015 National Coastal Condition Assessment, and will be working on the 2016 National Wetland Condition Assessment. Dr. Loftin is the lead USGS PI on the CyAN project and is leading a team of researchers responsible for formation and interpretation of a national HAB dataset to assist with ground to space validation of derived remote sensing products for detection of HABs in lakes and reservoirs.

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Mindi May - Colorado Parks and Wildlife

Melynda May is the water quality program coordinator for Colorado Parks and Wildlife (CPW). Prior to working at CPW, Mindi worked for the Water Quality Control Division for 8-years, where she worked to develop water quality standards for temperature and molybdenum, and site-specific standards for mine sites. Mindi has a B.S. in biology from the University of Colorado, and a M.S. in biology from East Carolina University in North Carolina.

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David Dani - Colorado Department of Public Health and Environment

In the past David was a lab manager at the Center for Drinking Water Optimization in Boulder and was a project lead in Peru and Nepal with Engineers Without Borders. Currently, he oversees a coaching and training workgroup for the Colorado Safe Drinking Water Program and provides leadership for the program's Acute Team that works with drinking water systems during emergencies and potential acute health risks.

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