

# Freshwater HABs News



Virginia, September, 2016  
Aerial view of mouth of York River (upper left) and Mobjack Bay and New Point Comfort Mathews (upper Right).  
Courtesy of Wolfgang K. Vogelbein, the College of William and Mary.

## UPCOMING EVENTS

### Webinars

[Inland HABs Discussion Group](#)  
October 20, 2016

### Workshops

[Developing a HAB Action Plan for Alaska](#)  
December 8-9, Alaska

### Conferences

[17th ICHA](#)  
October 9-14, Brazil

[16th GLBAC](#)  
October 4-7, Michigan

[10th ICTC](#)  
October 23-28, China

[NALMS 2016](#)  
November 1-4, Canada

[SETAC 2016](#)  
November 6-10, Florida

[ASLO](#)  
February 26-March 3, Hawaii

## HABs Affecting Many California Lakes



Cyanobacteria bloom at Clear Lake, Lakeport  
Photos by California Department of Fish and Wildlife

Sign posted and dead possum at Almaden Lake, San Jose, photos by Bay Area News Group

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## EPA's Memo "Renewed Call to Action to Reduce Nutrient Pollution and Support for Incremental Actions to Protect Water Quality and Public Health"

On September 22, the EPA released a memo to highlight the continued need for action to address this challenge, calls upon states and stakeholders to intensify their efforts in collaboration with EPA, and announces support for state planning or implementation of watershed-based, multi-stakeholder projects to reduce impacts to public health from nitrates in sources of drinking water and from nitrogen and phosphorus pollution contributing to harmful algal blooms.

## [Addressing Harmful Algal Blooms: Nutrient Reduction Policies in Ohio's Lake Erie Basin and Other American Water Basins](#)

The Center for Public Policy and Health at Kent University released a report presenting an inventory of policy tools used in the Ohio's Lake Erie basin and other large water basins in the US. The report provides an assessment of current "policy tools" in regulatory interventions, expenditures of funds and resources, strategy, planning, communications efforts, and organizational arrangements. The report also includes other water basins in the US with ongoing management systems with information on nutrient reduction efforts, their impacts, and findings.

## [Upper Mississippi River HAB Response Resource Manual](#)

The purpose of this *Response Resource Manual* is to provide information to assist the states of the Upper Mississippi River (UMR), as well as their federal partners and others, in addressing harmful algal blooms (HABs) on the UMR. This *Manual* was developed by an interagency UMR HAB Work Group, staffed by the Upper Mississippi River Basin Association (UMRBA). Contact UMRBA's Dave Hokanson ([dhokanson@umrba.org](mailto:dhokanson@umrba.org) or 651-224-2880) for more information.

## [AWWA and WRF publish cyanotoxins guidance for water utilities](#)

AWWA and the Water Research Foundation (WRF) have released a guide titled "[Managing Cyanotoxins in Drinking Water: A Technical Guidance Manual for Drinking Water Professionals](#)" and additional resources to help water professionals detect and control cyanotoxin. The guide provides information on the preparation, treatment, and response to cyanotoxins concerns. WRF also launched a video, [Understanding Cyanobacteria and Cyanotoxins](#), on the latest in source water protection, monitoring, detection, and treatment of cyanotoxins.

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Office of Water, Office of Science and Technology, United States Environmental Protection Agency  
For more information visit EPA's CyanoHABs website at [www.epa.gov/cyanohabs](http://www.epa.gov/cyanohabs)

## HABs, BEACH CLOSURES AND HEALTH ADVISORIES, SEPTEMBER 2016



### RECENTLY (AND NOT THAT RECENT) PUBLISHED ARTICLES

[miR-541 Contributes to Microcystin-LR-Induced Reproductive Toxicity through Regulating the Expression of p15 in Mice](#)

Xiannan Meng, Ling Zhang, Xiang Chen, Zou Xiang, Dongmei Li and Xiaodong Han. *Toxins* 2016, 8(9), 260

[Health impacts from cyanobacteria harmful algae blooms: Implications for the North American Great Lakes](#)

Wayne W. Carmichael and Gregory L. Boyer. *Harmful Algae*, Volume 54, April 2016, Pages 194–212

["Lake Bant": A five year project to solve cyanobacterial problems](#)

Peter Lücking and Jürgen Michele. Research Gate, September 2015

[It takes two to tango: When and where dual nutrient \(N & P\) reductions are needed to protect lakes and downstream ecosystems](#)

Hans W. Paerl, J. Thad Scott, Mark J. McCarthy, Silvia E. Newell, Wayne Gardner, Karl E. Havens, Daniel K Hoffman, Steven W. Wilhelm, and Wayne A. Wurtsbaugh. *Environmental Science & Technology*, September 26, 2016.

### Coming Soon! FROM EPA's Region 7 Water, Wetlands and Pesticides Division, Kansas

#### Compilation of HAB Programs and Capacities for Iowa, Kansas, Missouri, Nebraska and EPA R7

EPA Region 7 and State partners are developing a State HAB Program Capacities Report Draft to summarize the contacts and capacities to deal with HABs in the States of Iowa, Kansas, Missouri and Nebraska. For more information please contact Dr. Amy Shield, Region 7 HAB Coordinator at [shields.amy@epa.gov](mailto:shields.amy@epa.gov).

#### Useful Resources

- ✓ [\*\*EPA's Fish and Shellfish Newsletter\*\*](#)
- ✓ [\*\*NOAA's Experimental Lake Erie HAB Bulletin\*\*](#)
- ✓ [\*\*CA's HABs portal: Are harmful algal blooms affecting our waters?\*\*](#)



To sign up for the newsletter, send an email to:

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