

FRESHWATER HABs NEWSLETTER



Harsha Reservoir, OH
June 14, 2017

[Louisville District Water Quality](#)

UPCOMING EVENTS

Workshops/Webinars

[WRF Cyanotoxin Webcast Series](#)

[June 27 – Risk Communication](#)

[July 13 - Methods](#)

[August 15 - Treatment](#)

[OSU's Workshops](#)

Dealing with Cyanobacteria
Algal Toxins and Taste & Odor
Compounds

[August 7-8, 2017](#)

[August 9-10, 2017](#)

Algae ID Workshop

[August 7-8, 2017](#)

[August 9-10, 2017](#)

[Taxonomic ID of Harmful Algae in U.S. Marine Waters](#)

August 13-23, 2017

East Boothbay, ME

[Ecology of Diatoms and Algal Blooms](#)

May to August, 2017

Iowa Lakeside Laboratory

Conferences

[Gordon Research Conference](#)

Biotoxins

June 18-23, 2017

Easton, MA

[Algae toxins: Methods and challenges](#)

Satellite Event

June 18th, 2017

[5th Iberoamerican Cyanotoxins Meeting](#)

July 17-19, 2017

Lugo, Spain

[9th Symposium on Harmful Algae](#)

November 11-17, 2017

Baltimore, MD

[Great Lakes and Fresh Water Algal Bloom Information Act \(HR 1893\)](#)

Bill introduced by the U.S. House of Representatives requiring the Administrator of the National Oceanic and Atmospheric Administration to create an electronic database of research and information on the causes of, and corrective actions being taken with regard to, algal blooms in the Great Lakes, their tributaries, and other surface fresh waters, and for other purposes.

[Harmful Algal Bloom and Hypoxia Research and Control Amendments Act of 2017 \(S. 1057\)](#)

This Act builds on previous authorizations by: (1) requiring more collaboration between agencies; (2) by granting the federal government the authority to declare severe algal blooms or hypoxic events as "Events of National Significance," triggering access to disaster-like funding; and (3) by allowing private donations to be used to fund recovery for "Events of National Significance."

[Inland HABs Discussion Group Webinar](#)

On May 23rd, the Inland HABs Discussion Group hosted a webinar on *Success Stories of HABs Prevention, Control and Management*, including presentations floating wetlands, barely straw, clay flocculation, algaecides and other treatment methods. Presentations are posted [here](#).

Get Ready for the Bloom Season!

- [Guidelines for Cyanotoxins in Drinking Water](#)
- [Guidelines for Cyanotoxins in Recreational Waters](#)
- [Standardized Protocols for Maintaining Biological Security During Biological and Water Quality Surveys](#)
- APHL's [A Freshwater Algal Toxin Guidance Document for Public Health Laboratories](#)
- [SWAMP's California Freshwater HAB Field Guide - CyanoHABs Laboratory List](#)
- [Protect your pooch from harmful algal blooms Video](#)
- [CA Blue-Green Algae: A Veterinarian Reference](#)
- [NY DEC Harmful Algal Bloom brochure & HAB Program Guide](#)
- [WA DOH Toxic Blue-Green Algae Blooms Brochure](#)
- More Information and Resources on the [Detection](#) and [Control and Treatment](#) of cyanotoxins.



HABs, BEACH CLOSURES and HEALTH ADVISORIES, MAY 2017

California: Clear Lake, Cachuma Lake, Malibu Creek, Pond in San Joaquin Marsh; [Domoic Acid Press Release and Health Advisories](#)

Kansas: Marion Reservoir, Marion Co. Webster Lake.

Kentucky: Boltz Lake, Grant Co.

New York: Agawan Lake, Goose Pond, Eagle Pond, Indian Lake, Kissena Lake, Lake Neatahwanta, Orange Lake, Prospect Park Lake, Song Lake

Ohio: Grand Lake Saint Marys, Bellevue Reservoir (microcystins in Raw PWS intakes), Harsha Reservoir

Oregon: South Umpqua River - Permanent Advisory, Detroit Lake

Washington: Anderson Lake, [Bay Lake](#), [Harts Lake](#), [Silver Lake](#), [Ohop Lake](#), [Whitman Lake](#), [Summit Lake](#) – Do not drink, No Contact with the Water, [Razor Clam Digging Closing](#)

RECENTLY PUBLISHED ARTICLES

[2nd Edition of Microbiology of Waterborne Diseases](#)

Describes the diseases associated with water, their causative agents and the ways in which they gain access to water systems, including cyanobacteria.

[Cyanobacteria blooms in water: Italian guidelines to assess and manage the risk associated to bathing and recreational activities](#)

Enzo Funari, Maura Manganeli, Franca M. Buratti, Emanuela Testai. Science of the Total Environment 598 (2017) 867–880

[Cyanotoxins: Which detection technique for an optimum risk assessment?](#)

Virginie Gaget, Melody Lau, Barbara Sendall, Suzanne Froschio, Andrew R. Humpage. Water Research 118 (2017) 227–238

[Cyanobacteria of the 2016 Lake Okeechobee Waterway harmful algal bloom](#)

Rosen, B.H., Davis, T.W., Gobler, C.J., Kramer, B.J., and Loftin, K.A. U.S. Geological Survey Open-File Report 2017–1054 (2017). p. 34.

[Causality of an extreme harmful algal bloom in Monterey Bay, California, during the 2014–2016 northeast Pacific warm anomaly.](#)

Ryan, J. P., et al. (2017), Geophys. Res. Lett., p. 44.

[Satellite monitoring of cyanobacterial harmful algal bloom frequency in recreational waters and drinking water sources](#)

John M. Clark, Blake A. Schaeffer, John A. Darling, Erin A. Urquhart, John M. Johnston, Amber R. Ignatius, Mark H. Myer, Keith A. Loftin, P. Jeremy Werdell, Richard P. Stumpf. Ecological Indicators 80 (2017) 84–95.

[Ecophysiological examination of the Lake Erie Microcystis bloom in 2014: linkages between biology and the water supply shutdown of Toledo, Ohio](#)

Morgan Michelle Steffen, Timothy Davis, Robert Michael McKay, George Bullerjahn, Lauren Krausfeldt, Joshua Stough, Michelle L. Neitzey, Naomi Gilbert, Gregory L. Boyer, Thomas H. Johengen, Duane Gossiaux, Ashley Burtner, Danna Palladino, Mark Rowe, Gregory Dick, Kevin Meyer, Shawn Levy, Braden Boone, Richard Stumpf, Timothy Wynne, Paul V. Zimba, Danielle B. Gutierrez, and Steven W. Wilhelm. Environmental Science & Technology, May 23, 2017.

[A critical review of the postulated role of the non-essential amino acid, \$\beta\$ -N-methylamino-L-alanine, in neurodegenerative disease in humans](#)

N. Chernoff, D. J. Hill, D. L. Diggs, B. D. Faison, B. M. Francis, J. R Lang, M. M. Larue, T.-T. Le, K. A. Loftin, J. N. Lugo, J. E. Schmid & W. M. Winnik (2017). Journal of Toxicology and Environmental Health, Part B.

Toxins Journal Topical Collection: "[Freshwater HABs and Health in a Changing World](#)". [Register](#) to submit a manuscript.

Useful Resources

- ✓ [AWWA's CyanoTox[®] Version 2.0](#)
- ✓ [NCCOS HABs Forecasting](#)



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