

Freshwater HABs Newsletter

USEFUL RESOURCES FOR THE HABs SEASON

- [Health Advisories for Cyanotoxins in Drinking Water](#)
- [Cyanotoxins Tools for Public Water Systems](#)
- [Draft Human Health Recreational Water Quality Criteria/Swimming Advisories for Microcystins and Cylindrospermopsin](#)
- [Cyanotoxins Tools for Recreational Waterbody Managers](#)
- [List of Laboratories conducting Cyanotoxin Analysis](#)
- [Cyanotoxins Analysis and Detection Methods](#)
- [Water Treatment Techniques for Cyanotoxins](#)
- [Harmful Algal Bloom Incident Action Checklist](#)
- [Video: Protect your Pooch from Harmful Algal Blooms](#)
- [Video: Safeguards Drinking Water from Harmful Algal Blooms](#)
- [Video: Algal Blooms can Harm your Health](#)
- [CDC's One Health Harmful Algal Bloom System \(OHHABS\)](#)
- [CDC's Cyanobacteria Harmful Algal Bloom \(HAB\) Toolkit](#)
- [CDC's Eating Contaminated Seafood Webpage](#)
- [CDC's Animal Safety Alert: Cyanobacteria Blooms Fact Sheet](#)
- [NCCEH's Irrigating Food Crops with Water Containing Cyanobacteria Blooms](#)

[EPA Releases Progress Report on Coordination for Nonpoint Source Measures in Hypoxia Task Force States](#)

The Nonpoint Source Workgroup of the Hypoxia Task Force has produced a summary of nutrient reduction measures among member states, and critical metrics for tracking and informing progress toward reducing nutrient loadings to the Gulf of Mexico. This document represents the first-ever report that focuses on the Hypoxia Task Force coordinated effort to account specifically for nonpoint source changes, primarily agricultural, that influence nutrient loading from a variety of methods.

UPCOMING EVENTS

[Webinar: Conventional Treatment Options for Harmful Algal Blooms](#)

Tuesday June 5, 2018
2:00 PM ET

[Webinar: ASTHO/ECOS HABs Risk Communication](#)

June 21, 2018
2:00pm ET

[ASLO 2018 HABs Special Session](#)

June 10-15, 2018
Victoria, BC, Canada

[IAGLR 2018 Conference HABs Special Session](#)

June 18-22, 2018
Toronto, Canada

[UCOWR & NIWR 2018 Annual Water Resources Conference](#)

June 26-28, 2018
Pittsburgh, PA

[18th ICHA](#)

October 21-26, 2018
Nantes, France

[NALMS 2018](#)


October 30 – Nov. 2, 2018
Cincinnati, OH


[2018 Joint Oregon Lakes Association/Washington State Lakes Protection Association Conference](#)

September 26-28, 2018
Portland, Oregon

[CyanoSED: A Workshop on Benthic Cyanobacteria and Cyanotoxins](#)

August 6-7, 2018
Cincinnati, Ohio

 To sign up please send an email to:
epacyanohabs@epa.gov

 For more information, please visit [EPA's CyanoHABs Website](#)

Florida's Harmful Algal Blooms: 2018 Overview and Federal Response Briefing

On June 11, 2018 at 11:00 am - 12:00 pm, SVC 203-02, Capitol Hill Visitor Center, DC
Co-host by Senator Nelson and Representative Posey, this briefing will review the extent of HABs and their impacts to Florida's communities and economy, and share advances in detection and forecasting. Speakers include the following:

- Tamara Pigott - Director, Lee County Visitor and Conventions Bureau
- Katherine Hubbard - Florida Fish and Wildlife Conservation Commission
- Barb Kirkpatrick - Gulf of Mexico Coastal Ocean Observing System
- Richard Stumpf - NOAA National Centers for Coastal Ocean Science
- Ed Chiles - Owner and CEO, The Chiles Group

If interested in attending, please RSVP to michael.jarvis@noaa.gov.

RECENTLY PUBLISHED ARTICLES

[Cylindrospermopsin toxicity in mice following a 90-d oral exposure](#)

N. Chernoff, D.J. Hill, I. Chorus, D.L. Diggs, H. Huang, D. King, J.R. Lang, T.-T. Le, J.E. Schmid, G.S. Travlos, E.M. Whitley, R.E. Wilson & C.R. Wood. 2018. Journal of Toxicology and Environmental Health, Part A, 81:13, 549-566

[The ability of household pitcher-style water purifiers to remove microcystins depends on filtration rate and activated carbon source](#)

Justin D. Chaffin, Erica L. Fox, Callie A. Nauman and Kristen N. Slodysko. Water Science & Technology: Water Supply, In press. 2018

[Human exposure to cyanotoxins: Exploring in vitro detoxification using atmospheric cold plasma treatment to protect human health](#)

Brett Greer, William G. Graham and Christopher T. Elliott. Poster. 2018

[Global Ecology and Oceanography of Harmful Algal Blooms](#)

P.M. Glibert, E. Berdalet, M.A. Burford, G.C. Pitcher, M. Zhou (Eds.) 1st ed. 2018, XVI, 461 p. 71.

[Renal tubular damage caused by cylindrospermopsin \(cyanotoxin\) in mice](#)

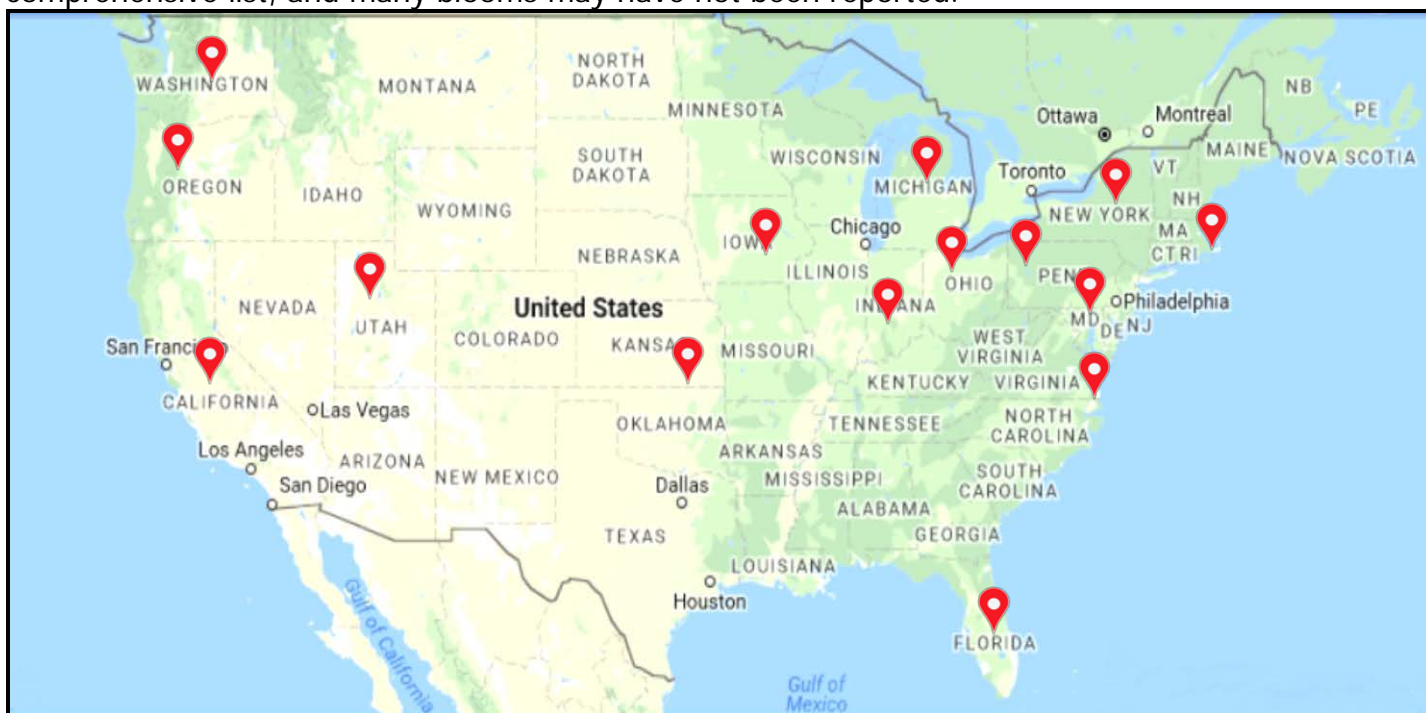
A.C.N. Moraes, V.F. Magalhães. Toxicology Letters, Volume 286, 2018, Pages 89-95.

Important Links

- ✓ [EPA's Fish and Shellfish Program Newsletter - April Issue](#)
- ✓ [CYANOnews May-June Issue](#)
- ✓ [NOAA's Lake Erie HABs Bulletin](#)
- ✓ [ATRAPP Project – Algal Blooms, Treatment, Risk Assessment, Prediction and Prevention Through Genomics](#)
- ✓ [EPA's NETI's CWA Coffee Break "30 Minute" Webinar Series Summer 2018](#)

BIOOMS, BEACH CLOSURES and HEALTH ADVISORIES*, MAY 2018

The following map includes blooms, cautions, warnings, public health advisories, closings and detections over the State's threshold, due to the presence of algae, toxins or both. This is not a comprehensive list, and many blooms may have not been reported.



- **California (10)**: Clear Lake, Tahoe Keys West Channel Lagoons, Lake Chabot, Quarry Lakes, Huichica Pons, near Napa River, North Davis Ditch near Sycamore Lane, Lake Cunningham, San Luis Reservoir Basalt Boat Launch, Lake San Antonio
- **Indiana (1)**: Monroe Lake (Anatoxin-a presence)
- **Iowa (1)**: Green Valley Beach
- **Kansas (2)**: Central Park Lake (Topeka), Colwich City Lake (Colwich City)
- **Florida (1)**: St John's River
- **Maryland (4)**: National Aquarium, Patapsco River, Severn River, Chester River
- **Massachusetts (2)**: Chestnut Hill Reservoir (Boston) and Cooks Pond (Plymouth)
- **Michigan (1)**: Haviland Beach Drive, Lobdell Lake
- **New York (8)**: Agawam Lake, Bowne Pond, Chautauqua Lake, Lake Ronkonkoma, Plymouth Reservoir, Prospect Park Lake, Roaring Brook Lake, Roth Pond
- **Ohio (2)**: Buckeye Lake, Grand Lake St. Marys
- **Oregon (2)**: South Umpqua River, Detroit Reservoir
- **Pennsylvania**: Dog Swimming Advisories Presque isle State Park, Erie Pennsylvania
- **Utah (1)**: Utah Lake
- **Virginia (1)**: Rappahannock River
- **Washington (1)**: Rufus Woods Lake

This newsletter was created by [Dr. Lesley V. D'Anglada](#), Office of Science and Technology, Office of Water, EPA. Mention of trade names, products, or services does not convey and should not be interpreted as conveying official EPA endorsement, approval or recommendation for use.

For previous newsletters, go to [Freshwater HABs Newsletter](#)