

Freshwater HABs Newsletter



USEFUL RESOURCES FOR CONTROL OF CYANOBACTERIA AND HABs

- [Preventative Measures for Cyanobacterial HABs in Surface Water](#)
- [Control Measures for Cyanobacterial HABs in Surface Water](#)
- [Algae Mitigation technique Selection Process for Lakes Flowchart, California Water Quality Monitoring Council](#)
- [New England Interstate Water Pollution Control Commission \(NEIWPCC\). Harmful Algal Bloom Control Methods Synopses](#)
- [Management Strategies for Cyanobacteria \(Blue-Green Algae\): A guide for Water Utilities](#)
- [Toxic cyanobacteria in water: A guide to their public health consequences, monitoring and management](#)

[Protect your Pooch from Algal Blooms](#)

Reports of dogs getting sick or dying after swimming in ponds, lakes, and streams are more common during the summer months. Dogs can be exposed to toxins by skin contact with water contaminated with cyanobacteria or toxin(s), when swallowing water while playing in the water, or by licking it off fur or hair. If you suspect your dog has been exposed to a toxic algal bloom, please seek immediate veterinary care. Below are useful resources on what are harmful algal blooms, how dogs can be affected, and how to protect your pet from toxins.

- [EPA's Video Protect Your Pooch from Harmful Algal Blooms](#)
- [CDC's Reference Brochure for Veterinarians](#)
- [New York Sea Grant Guide on Harmful Algal Blooms and Dogs](#)
- [NCCOS's Keeping Your Dog Safe from HABs Infographic](#)
- [Michigan Department of Agriculture and Rural Development's HABs: Veterinarians Fact Sheet](#)
- [Wisconsin Department of Health Service's Blue-Green Algae and Dog Safety Fact Sheet](#)

[Addressing HABs and Cyanotoxins in Drinking Water with the Drinking Water State Revolving Fund Fact Sheet](#)

The EPA recently released a fact sheet on Drinking Water State Revolving Fund (DWSRF) eligibilities highlighting ways that water systems may address HABs and cyanotoxins with funding from DWSRF infrastructure loans and set-asides. The fact sheet includes case studies of states and communities utilizing DWSRF funding for these purposes. The EPA also released sets of fact sheets for [lead](#), [PFAS](#), and [DBPs](#).

UPCOMING EVENTS

[10th US HAB Symposium](#)

Nov 3-8, 2019
Orange Beach, Alabama


Important Links:


[Conference Schedule](#)
[Plenaries Speakers](#)
[Registration](#)
[Abstract Submission](#)
[Deadline: Sept. 15](#)

[SETAC North America Annual Meeting, Benthic and Pelagic HABs and their Toxins: Detection, Fate, Effects, Monitoring and Management](#)

Nov 3-7, 2019
Toronto, Canada

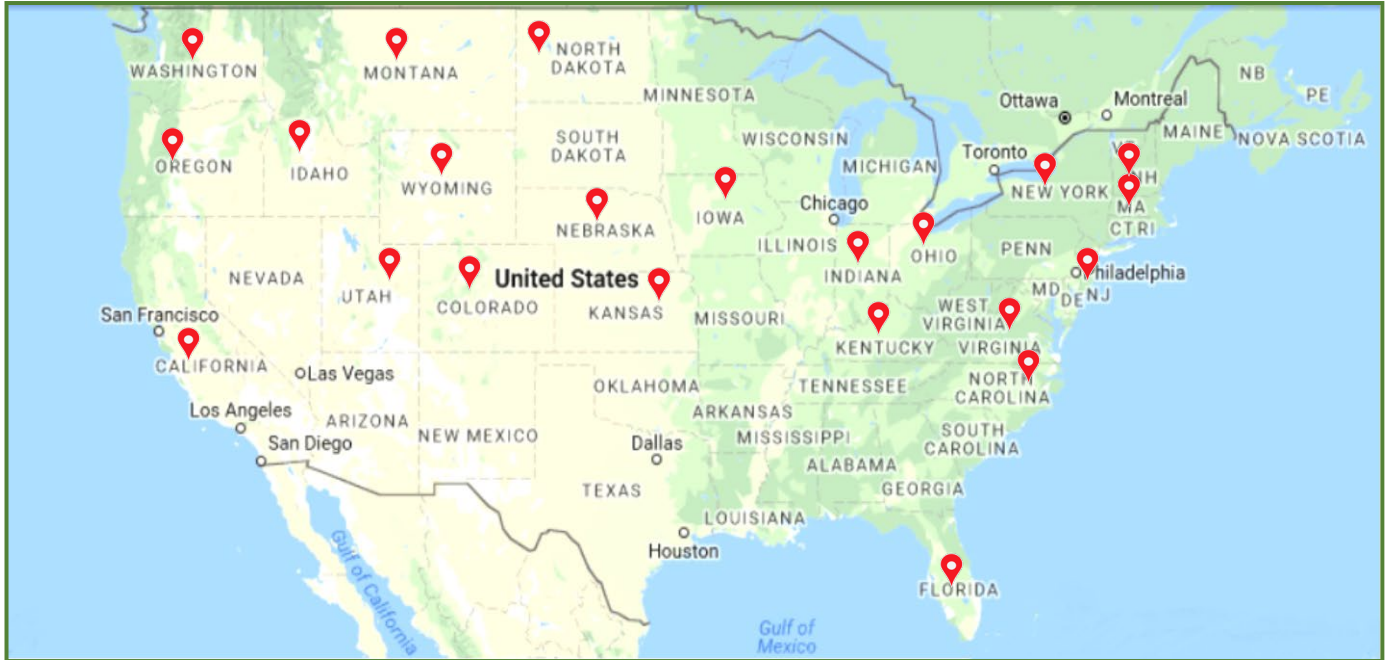
This newsletter was created by [Dr. Lesley D'Anglada](#), Office of Science and Technology, Office of Water. Mention of trade names, products, or services does not convey and should not be interpreted as conveying official EPA endorsement, approval or recommendation for use.

 To sign up for the newsletter send an email to epacyanohabs@epa.gov

 Please visit the *EPA's CyanoHABs in Water Bodies* website [here](#).

Blooms, Beach Closures and Health Advisories* August 2019

* Include 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 or lakes are not actively monitored.



California (17): Hensley Lake, Silverwood Lake, Pyramid Lake, Castaic Lake, Lake Elsinore, Mill Creek, Big Bear Lake, Indian Lakes, Willow Lake, Eagle Lake, Horseshoe Lake, North Fork American River, Martinez Marina, East Bay Park, Ward Island at San Joaquin River, Clear Lake, Quarry Lakes

Colorado (4): Prospect Lake, Windsor Lake, Barr Lake, Kountze Lake

Florida (15): Lake Okeechobee, New River, St. Lucie Canal, Cornwallis Canal, Crescent Lake, South Fork New River, Indian River, Lake Francis, Lake Ponte Vedra-Guana Lake, Mosquito Lagoon, Pirates Bight, Rio Villa Dr., Scott Lake, South New River Boat Ramp, Taylor Creek

Idaho (13): Brownlee Reservoir, Salmon Falls Creek Reservoir, Fernan Lake, Mormon Reservoir, Twin Lakes, Blacks Creek Reservoir, Mountain Home Reservoir, Indian Creek Reservoir, Hells Canyon Reservoir, Magic Reservoir, Lake Lowell, Little Camas Reservoir, Thorn Creek Reservoir

Indiana (6) Cecil M. Hardin Lake, Monroe Lake, Hardy Lake, Brookville Lake, Worster Lake, Mississinewa Lake

Iowa (2): Green Valley Beach, Lake Keomah Beach

Kansas (24): Big Eleven Lake, Gathering Pond (Hatchery Supply Pond), Hiawatha City Lake, Hodgeman County State Fishing Lake, Jerry Ivey Pond, Lake Afton, Lake Shawnee, Lebo Kids' Pond, Marion County Lake, Rock Garden Pond in Gage Park, South Lake, Westlake in Gage Park, Camp Hawk Lake, Carousel Lake in Gage Park, Elk Horn Lake, Lakewood Park Lake, Marais des Cygnes Wildlife Area, Meadowbrook Park Lake, Melvern Outlet Pond and Swim Pond, Mission Lake, Neosho County State Fishing Lake, Riggs Park, Westlake in Gage Park, Yates Center Kids' Fishing Pond

Kentucky (1): Grayson Lake

Massachusetts (18): Billington Sea, Fulton Pond, Halfway Pond, Hill's Pond, Hopkinton Reservoir, Lake Massapoag, Lake Warner, Lower Mill Pond, Magnolia Pond, Mill Pond, Minister's Pond, Nashawannuck Pond, Round Pond, Santuit Pond, Shubael Pond, Spy Pond, Triangle Pond, West Reservoir

Montana (3): Medicine Lake, Nelson Reservoir, Wadsworth pond

Nebraska (3): Willow Creek Reservoir, Wagon Train Lake, Kirkman's Cove Lake

New Hampshire (4): Pine River Pond, Showell pond, Morison pond, Nippo Pond

New Jersey (17): Manasquan Reservoir, Stacy Pond, Memorial Lake, Rogerane Lake, Dramasei Park Lake, Papaianni Lake, Sylvan Lake, Sussex Co. Fire Academy Pond, Amico Island Pond, Deal Lake,

Sunset Lake, Spruce Run Reservoir, Lake Hopatcong, Rosedale Lake, Swartswood Lake, Greenwood Lake, Musconetcong Lake

[New York \(42\)](#): Canandaigua Lake, Hemlock Lake, Morningside Pond, Winding Hills Park Lake, Seneca Lake, Cayuga Lake, Goose Pond, Keuka Lake, Brooks Lake, Dead Lake, Southards Pond at Belmont Lake State Park, Oneida Lake, Barger Pond, Buckingham Lake, Song Lake, Lake Lincolndale, Beaver Lake, Waneta Lake, Lake Champlain, Thunder Lake, Goose Pond, Kissena Lake, Roth Pond, Harlem Meer, Turtle Pond, The Lake in Central Park, The Ruyter Reservoir, Honeoye Lake, Prospect Park Lake, Spitfire Lake, Keuka lake, Wainscott Pond, Peach Lake, Pleasure Lake, Chautauqua Lake, Indian Pond, Cortlandt Lake, Rockland Lake, Barnes Lake, Agawam Lake, Bosket Lake, Lakeside Campground Lake

[North Carolina \(1\)](#): Indian Creek, Albemarle Sound

[North Dakota \(10\)](#): Stump Lake, Beaver Lake, Homme Dam, Buffalo Lake, Jamestown Dam, Dry Lake, Long Lake NWR, Blumhardt Lake, Wilson Dam, Schlecht-Thom Dam

[Ohio \(3\)](#): Grand Lake St. Marys, Maumee Bay Lake, Buckeye Lake-Crystal Beach

[Oregon \(7\)](#): Brownlee Reservoir, Upper Klamath Lake, Lake Billy Chinook, South Umpqua River, Cullaby Lake, Odell Lake, Hells Canyon Reservoir, [City of Salem](#)

[Pennsylvania \(14\)](#): Presque Isle State Park and Freeport Beach - advisories exceeding dogs safety thresholds

[Utah \(9\)](#): Calder Reservoir, Deer Creek Reservoir, Manning Meadow Reservoir, Mantua Reservoir, Utah Lake, Yuba Lake, Matt Warner Reservoir, Millrace Pond, Otter Creek Reservoir

[Virginia \(4\)](#): Mint Valley Springs, Wilcox Lake, Shade Grove Creek, Lake Anna State Park Beach

[Washington \(20\)](#): Anderson Lake, Fiorito Pond, Kittitas; Breseman Pond, Pierce; Lone Lake, Island; Lower Granite Reservoir, Whitman; Moses Lake, BH Park, Grant; Spanaway Lake, Pierce; Hourglass Pond, Spokane; Look Lake, Klickitat; Lake Terrell, Whatcom; Lake Minterwood, Pierce; Lake River Miller's Landing, Clark; Horsethief Lake, Klickitat; Rapjohn Lake, Pierce; Northshore Parkway Apartment Ponds, Pierce; Felida Moorage, Clark; McCuddy's Ridgefield Marian, Clark; Blackmans Lake, Snohomish; Lake Cassidy, Snohomish

[Wyoming \(6\)](#): Leazenby Lake, Toltec Reservoir, Saratoga Lake, Pathfinder Reservoir, Boysen Reservoir, Wheatland Reservoir

Recently Published Articles

[Perspectives on Harmful Algal Blooms \(HABs\) and the Cyberbiosecurity of Freshwater Systems](#)

Schmale, D., Ault, A., Saad, W., Scott, D., & Westrick, J. *Frontiers in Bioengineering and Biotechnology*, 7. 2019

[Silica-quaternary ammonium "Fixed-Quat" nanofilm coated fiberglass mesh for water disinfection and harmful algal blooms control](#)

Daniela Diaz, Jared Church, Mikael Young, Keug Tae Kim, Jungsu Park, Yun Bin Hwang, Swadeshmukul Santra, Woo Hyung Lee. *Journal of Environmental Sciences*, Volume 82, 2019, pp. 213-224.

[Determination of microcystins, nodularin, anatoxin-a, cylindrospermopsin, and saxitoxin in water and fish tissue using isotope dilution liquid chromatography tandem mass spectrometry](#)

Samuel P. Haddad, Jonathan M. Bobbitt, Raegyn B. Taylor, Lea M. Lovin, Jeremy L. Conkle, C. Kevin Chambliss, Bryan W. Brooks, *Journal of Chromatography A*, Volume 1599, 2019, pp. 66-74.