

# HARVEY LAKE Watershed Association

DOOR PRIZES WILL BE AWARDED TO THE FIRST SIX PEOPLE WHO RENEW THEIR MEMBERSHIP OR JOIN THE ASSOCIATION AT THIS MEETING.

## You're Invited Annual Meeting

Join Us on Sept. 21 at Johnson's

The Harvey Lake Watershed Association cordially invites you to Northwoods Brewing/Johnson's Restaurant on Route 4 in Northwood for our annual meeting and membership drive, Wednesday, Sept. 21, 2022, from 6 to 8 p.m.

The watershed association's goal is to bring our lake community together, talk with friends, meet new ones and expand our membership. Our membership is critical to continue funding our lake host program, educational materials, membership in N.H. Lakes and water quality testing.

Whether you live on the lake or across the road, we all impact the vitality of Harvey Lake and as lake residents, we have a common interest in it.

Our special guest and presenter will be Kate Langley Hastings, the Cyanobacteria Harmful Algal Bloom Program Manager for the N.H. Department of Environmental Services. She and the DES staff investigate sightings of blooms around the state, and she determines if a particular lake or body of water should be posted with an advisory.



Please join us on Wednesday, Sept. 21, 2022, at Johnson's Restaurant on Route 4 in Northwood for our annual membership meeting of the Harvey Lake Watershed Association.

### Our main speaker

## What's up with those cyanobacteria alerts? Kate Langley Hastings of the state DES will tell us Sept. 21

You may have noticed: Harvey Lake has been under a cyanobacteria advisory for the third time in the past three years. This year, we have been seeing small blooms since the beginning of summer, but they have been dissipating by noon in many instances or not being found in large concentrations.

Not so with this latest bloom that occurred on Aug. 19th. The state DES has specific parameters that trigger an advisory (those red signs you see on the boat ramp shorefront). The bloom must contain at least 70,000 cells per milliliter. The latest bloom was at about 130,000 cells per milliliter.

This has been a particularly tough year for cyanobacteria blooms across New Hampshire.

What does this all mean?

Come to our annual meeting on Sept. 21 and hear a presentation by Kate Langley Hastings, Cyanobacteria Harmful Algal Bloom Program Manager for the N.H. Department of Environmental Services.

DES has specific parameters for determining if a lake poses risks to humans, pets and environmental health. It is Kate who also decides when an advisory may be removed when the cell counts of cyanobacteria are low enough.

Kate has a Master of Science in Biology from the University of New Hampshire and extensive experience in limnology, field sampling techniques and water quality analyses with a focus on cyanotoxin extraction and concentration. She also has experience in phytoplankton, zooplankton, aquatic plant, and macroinvertebrate identification.



Blooms take on different forms depending on the type of cyanobacteria. Sometimes bluish-green in color, like this one at Harvey Lake midsummer, they also can take the form of the August bloom, which takes on a cloudy appearance lakewide.

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