

## News from the New Hampshire Department of Environmental Services

FOR IMMEDIATE RELEASE

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### State Issues Cyanobacteria Bloom Advisory for Province Lake in Effingham/Wakefield, NH

Concord, NH- A second cyanobacteria bloom has been observed on Province Lake. A cyanobacteria advisory was lifted on 9/21/22. Since then, sporadic bloom material has appeared, and quickly dissipated before a sample could be reviewed. This past Saturday, the material resurfaced in some areas, appearing as thick bright green clouds along some shorelines. A sample collected on Wednesday and reviewed 10/6/22 had cyanobacteria (*Dolichospermum*) densities around 836,000 cells/mL. Advisories are issued when cyanobacteria cell concentrations exceed 70,000 cells/mL. As a result, NHDES has issued a cyanobacteria bloom advisory for those who use the waterbody for recreation. The advisory is not based on a toxin evaluation and is intended as a precautionary measure for short term exposure.



Image from 10/1/22

Surface blooms can rapidly change and accumulate in various locations around a waterbody. Please continue to monitor your individual shorelines for changing conditions. NHDES advises lake users to avoid contact with the water in areas experiencing elevated cyanobacteria cell conditions, also known as a bloom. NHDES also advises pet owners to keep their pets out of any waters that have a cyanobacteria bloom.

Cyanobacteria are natural components of water bodies worldwide, though blooms and surface scums may form when excess nutrients are available to the water. Some cyanobacteria produce toxins that are stored within the cells and released upon cell death. Toxins can cause both acute and chronic health effects that range in severity. Acute health effects include irritation of skin and mucous membranes, tingling, numbness, nausea, vomiting, seizures and diarrhea. Chronic effects may include liver and central nervous system damage. Be cautious of lake water that has a surface scum, changes colors, or appears to have green streaks or blue-green flecks aggregating along the shore.

**The cyanobacteria advisory went into effect on October 6, 2022 and will remain in effect until NHDES confirms that cell concentrations of the bloom have subsided.**

Visit the NHDES Harmful Algal and Cyanobacteria Bloom Program website for photos and more information about cyanobacteria at: [Harmful Algal Blooms | NH Department of Environmental Services](#). Check out the [Beach Mapper](#) Website and follow the [Beaches Twitter](#) feed for updates on cyanobacteria advisories.

*If you notice anything resembling cyanobacteria, please refrain from wading, swimming, or drinking the water. Keep all pets out of the water and contact NHDES immediately. Please call NHDES to report a cyanobacteria bloom at (603) 848-8094 or email [HAB@des.nh.gov](mailto:HAB@des.nh.gov).*

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