

[July 23 Test Results /Comments \(PDF\)](#)

The test results from the same spot as 7/23 is:

1A 8/2/2018 Cell count(cells/ml) > 20,000

microcystins $\mu\text{g/l}$ 1.882

Dominant Taxa: Oscillatoria, Psuedanabaena, Merismopdia, Cylindrospermopsis

*NJ Health Advisory Guidance Levels Cell Count > 20,000 cells/ml;

Microsystems $3\mu\text{g/L}$

DLC's view:

From: Dr. Stephen Souza, Deal Lakes' "lake consultant

Subject: Re: Deal Lake HAB Results

"The cell counts are elevated and indicative of a bloom (anything greater than 10,000 cells/100 ml will make the water look green). The species that are listed are all cyanobacteria (the algae referred to as blue-green algae and the species that the advisories are based on), however, the toxin levels are low; i.e., NY uses a 4 ug/L conc as the level at which a warning is issued but does not close a lake to recreation until the concentration exceeds 20 ug/L. The same range and values are used by the EPA. While I agree its advisable to warn people about the risks of drinking, swimming or having contact with the water (this includes pets)...closing the lake is a bit premature and emphasizes the need for a definitive standard that is passed by the legislature and adopted as a change to NJAC 7:9B the NJ Water Quality Standards

For a copy of the EPA Health Guidance for Recreational Lakes use this link
EPA Fact Sheet - Draft Human Health Recreational Ambient Water Quality Criteria/Swimming Advisories for Microcystins and Cylindrospermopsin Dec 2016

<https://www.epa.gov/.../draft-hh-rec-ambient-water-swimming-f...>"

At our next DLC meeting thursday Aug 16 at 7pm at Interlaken town hall, we will have Deal lakes' state Senator Vin Gopal in attendance to discuss ways to minimize nutrients into Deal Lake and we will ask the Senator and our Assembly representatives to modify the state standards for HAB warnings to national and local states standards.

If you view photos of HAB affected lakes and streams on the NJ DEP web site, Deal; Lake is not even look close to a "HAB affect lake"<https://www.state.nj.us/dep/wms/HABS.html>

DLC Comment

The DLC has been working with Monmouth University(MU) on a few efforts to study HABs within the watershed since last years breakout. These studies continue as well as the fine efforts of our county Health department who response swiftly to water quality and pollution issues. It's a issue that will NOT

go away unless we solve up stream issues and have the public and government help. Future text on those opportunities shortly.
The DLC looks for a healthy discussion with Senator Gopal and then the NJDEP on the HAB standards and funding opportunities to help us cut nutrient loads to minimize blooms.
Using the above facts, Enjoy the lake at your degree of risk