

2017 Chippewa Lake Water Testing

Two consecutive tests taken at least one week apart show toxic levels have dropped below the thresholds outlined in the Harmful Algal Bloom Response Strategy for Recreational Waters. As of Friday, August 25, the warning for Chippewa Lake has been removed.

Per the state of Ohio's Harmful Algal Bloom Response Strategy for Recreational Waters, a Recreational Public Health Advisory is issued when toxin levels reach 6 parts per billion. The advisory recommends children, pregnant or nursing women, individuals with certain medical conditions, and pets avoid contact with the water. When toxin levels reach 20 ppb, an Elevated Recreational Public Health Advisory is issued, stating all water contact should be avoided. As a result, the lake will be closed to the public.

The toxins are a result of algal blooms that occur in bodies of water due to a combination of factors including water temperature, rainfall, and nutrient runoff within the watershed. The Chippewa Lake algal bloom is the result of a microscopic organism called cyanobacteria. Its blooms can produce harmful toxins that may make people and pets sick when they come into contact with the water.

The park district will continue to monitor Chippewa Lake water conditions as needed. Samples collected by Medina County Park District natural resource staff are sent to Northeast Ohio Regional Sewer District for testing. Results typically are reported back to the park district in three to five working days.

For more information about harmful algal blooms, visit Ohio Harmful Algal Bloom Response Strategy for Recreational Water's website at <http://epa.ohio.gov/portals/35/hab/HABResponseStrategy.pdf>.

<u>Sample Date</u>	<u>Results Received</u>	<u>Toxin Level</u>	<u>Action</u>
6/8/17	6/15/17	11.06 ppb	Warning posted
6/15/17	6/19/17	7.64 ppb	
6/21/17	6/26/17	5.10 ppb	
6/27/17	6/29/17	8.18 ppb	
7/5/17	7/7/17	9.62 ppb	
7/11/17	7/13/17	10.75 ppb	
7/18/17	7/21/17	6.24 ppb	
7/25/17	7/27/17	6.07 ppb	
8/1/17	8/3/17	6.18 ppb	
8/8/17	8/11/17	10.50 ppb	
8/15/17	8/17/17	3.52 ppb	
8/22/17	8/25/17	5.05 ppb	Warning removed