

## 2017 Chippewa Lake Water Testing

Below are the latest test results for algal bloom toxins in Chippewa Lake.

Per Ohio Department of Health guidelines, a public health warning is issued when toxin levels reach 6 parts per billion. The warning recommends children, pregnant or nursing women, individuals with certain medical conditions, and pets should avoid contact with the water. When toxin levels reach 20 parts ppb, the lake must 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. Public health warnings and lake closures remain in effect until two consecutive tests taken at least one week apart show levels have dropped below Ohio Department of Health thresholds. 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.

<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	