

# Lake Monitoring 2023



Prepared for Lake Tishomingo by Gateway Lake Management LLC

Visit Date: Thursday 5/18/2023

## Visit 4 Observations

The lake is looking better than last visit. The south end by the boat ramp has experienced a reduction of the planktonic bloom, and the filamentous algae has greatly reduced. This can be attributed to the recent rains and cooler weather. Planktonic begins to die rapidly in water less than 60°F and/or cloudy weather which has been experienced over the past week. When planktonic blooms die off, the dissolved oxygen (DO) also reduces. This is seen in the water test. The DO levels were at 5.2mg/L which is a little below desirable but should return to normal. The northern half of the lake still has a planktonic bloom.

The pollen and cottonwood seeds have diminished since the last visit. The only surface debris that could be found is shown in Picture 1 and is greatly reduced.

The good news is the lake aesthetically looks better. Multiple samplings from the throw rake in different locations produced very limited filamentous algae. Once again no southern naiad or pondweeds were detected in any areas as shown in Picture 2. Bluegill and Redear sunfish were seen actively spawning in the backs of some coves and around the spillway. A couple of fisherman remarked that fishing was excellent and no vegetation was detected on their hooks.



Picture 1



Picture 2

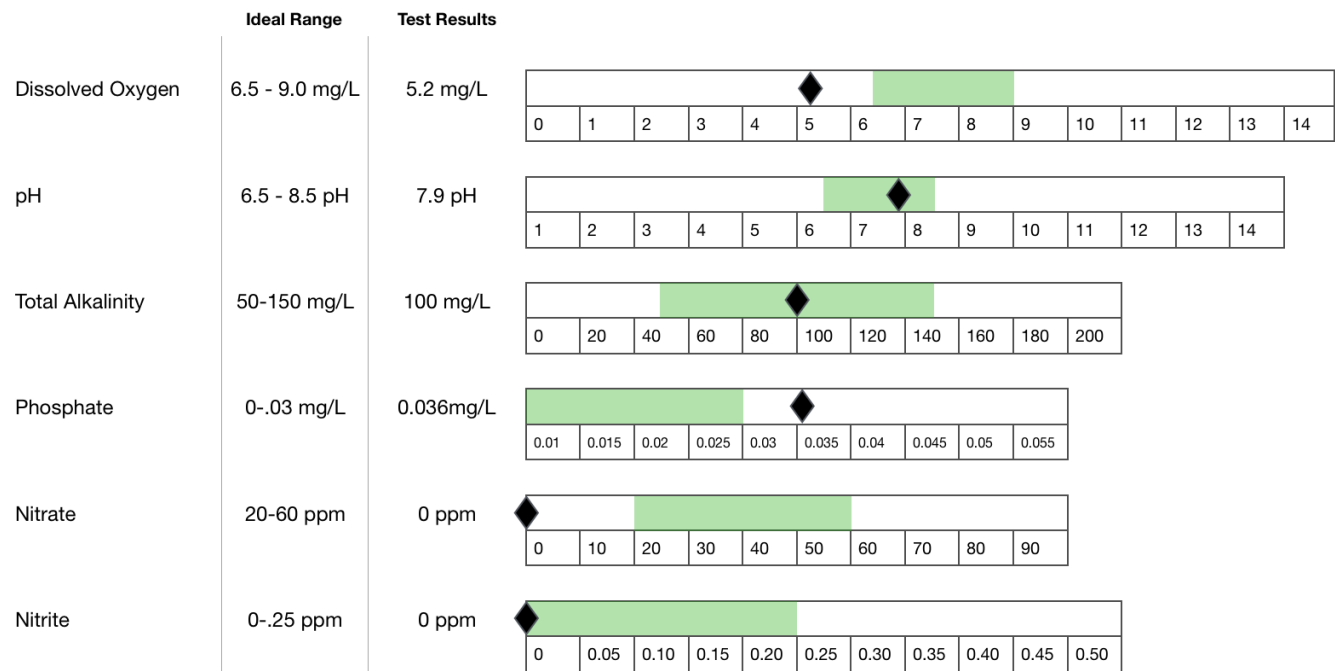
## Water Testing

The water test was collected near the center of the lake.

**Sample Collected:** 5/18/2023 @ 9:45AM

**Weather Conditions:** Sunny 76°F

**Figure 1:**



Note: The water test results estimated above are collected for the applicator’s informational purposes to assess the potential for vegetation growth and are not evaluated by an accredited or certified laboratory. Water chemistry can vary day to day with weather conditions and site conditions.

To learn more about some testing parameters, see links below:

- <https://www.epa.gov/national-aquatic-resource-surveys/indicators-dissolved-oxygen>
- <https://www.epa.gov/national-aquatic-resource-surveys/indicators-nitrogen>
- <https://www.epa.gov/national-aquatic-resource-surveys/indicators-phosphorus>
- <https://www.epa.gov/caddis-vol2/ph>