

Lake Monitoring 2024



Prepared for Lake Tishomingo by Gateway Lake Management LLC

Visit Date: Thursday 4/4/2024

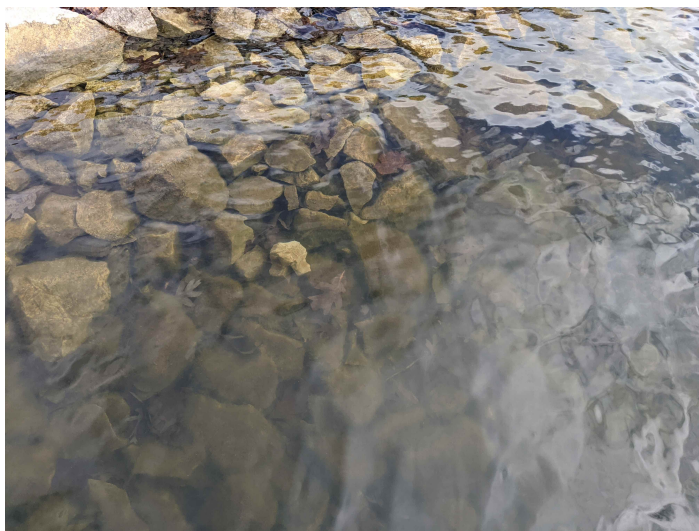
Visit 1 Observations

The first visit on the lake followed a couple of days after a large storm. The lake had a noticeable amount of debris, especially in the backs of coves. Despite this extra runoff, water clarity was good at 3-4 feet (as seen in picture 1). Dissolved oxygen levels were great at 8.5 mg/l most likely due to colder water temperatures and the heavy thunderstorms.

Vegetation on the lake continues to improve year to year. On the first visit of last season, the lake had a decent amount of early-season spirogyra filamentous algae. Most, if not all lakes and ponds will grow this type of algae, but it dies off as temperatures warm up in May. It took a lot of searching to find some growing in the lake this visit (as seen in picture 2). The community's efforts to minimize fertilizer runoff appear to be making a difference. Hopefully this lack of available nutrients will continue throughout the summer.

For fisherman, some vegetation is necessary for the food chain and providing a food source to fish. Many minnows were seen around docks and structure. This lake has potential to be a great all-purpose recreation lake.

(Continued on page 2)



Picture 1



Picture 2

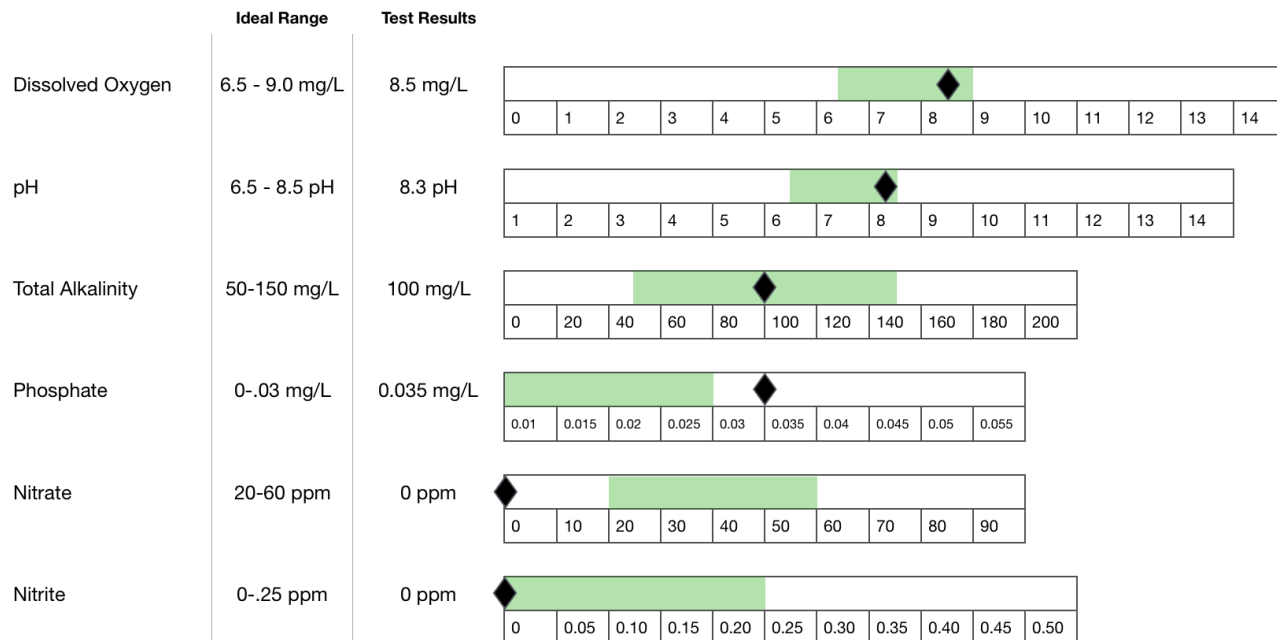
Water Testing

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

Sample Collected: 4/4/2024 @ 9:46AM

Weather Conditions: Mostly Cloudy 43°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>