

# Lake Monitoring 2024



Prepared for Lake Tishomingo by Gateway Lake Management LLC

Visit Date: Thursday 5/23/2024

## Visit 4 Observations

Things are warming up as we begin summer. Water temperatures are in the mid 70's and the planktonic bloom has really picked up. This lake develops a planktonic bloom during the warm season that gives it a green hue (as seen in picture 1). Weeds are still non existent with the throw rake coming up empty and clean in every cove.

With such a high productivity lake the fish should be growing well. Insects such as mosquito larvae feed on the planktonic blooms providing a food source to small baitfish. These larvae leave behind a shell after emerging which float on the surface for a little while (as seen in picture 2).

Oxygen levels are excellent at 7.8 mg/l and the rest of the water parameters are within a range that is acceptable. This is a nice looking lake heading into Memorial Day for weekend activities.

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Picture 1



Picture 2

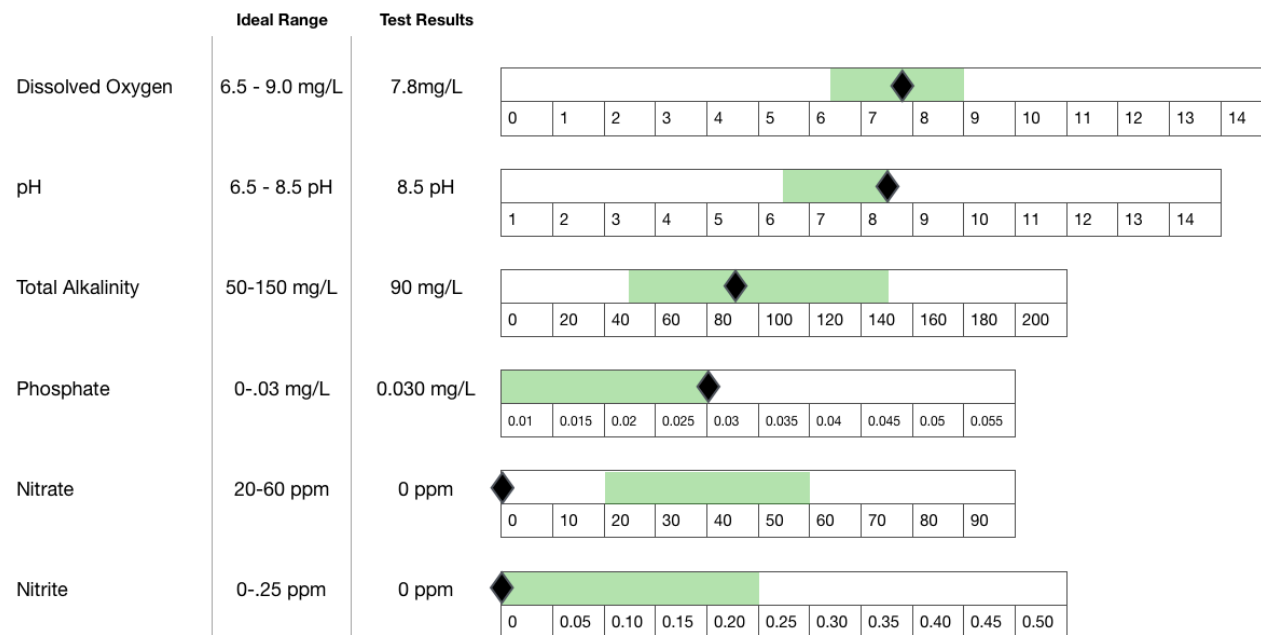
## Water Testing

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

**Sample Collected:** 5/23/2024 @ 10:38AM

**Weather Conditions:** Cloudy 71°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>