



POA Meeting – June 20<sup>th</sup>, 2024

Lake Overview

Lower Long Lake – Island Lake – Forest Lake

Lower Long Lake: - **Excellent**

- One of the cleanest lakes we manage
- All tested water quality parameters are safe and fall within the testing threshold
- No evidence of pollution/pollutants
- No evidence of excess nutrients or nutrient loading
- We will have water samples from Lower Long evaluated for heavy metals in the late summer, per contract.

Island Lake: - **Excellent**

- Again, an exceptionally clean lake regarding biological and chemistry parameters
- All tested water quality parameters are safe and fall within the testing threshold
- No evidence of pollution/pollutants
- No evidence of excess nutrients or nutrient loading
- LakePro will conduct one (1) herbicide treatment sometime in June/July depending on input from Ned Greenberg.
- The turbidity is a longer-lasting issue this year. When we survey next, we will try to investigate why this is. If something is hypothesized, our ideas and thoughts will be shared with both Ned and Terry.

Forest Lake: - **Excellent** (*Chloride Slightly High*)

- Like aforementioned, Forest Lake is a premier lake we manage
- All but one water quality parameters fall within the testing threshold
- Chloride levels to no surprise are high
- With the mild winters, we are starting to see a slight decrease in chloride levels. We ultimately want to see the chloride concentration level off and remain steady.
- Even though chloride levels are outside of our optimal threshold, by no means is the lake unhealthy for organisms or unsafe for us. A study done by the U.S. EPA found that upwards of 650 ppm of Chloride had little to no effect on aquatic organisms.
- I will be sharing lower concentration chloride salt alternatives with Effie later in the year to try and help limit the introduction of Chloride ions into the lake.
- No evidence of excess nutrients or nutrient loading
- With all of this being said, the only issue is chloride. Nitrates and phosphates are not an issue, showing this lake is not accumulating a lot of agricultural (fertilizer) runoff, yard waste, animal excrement, or other sources of Nitrates and Phosphates.

Summary

All lakes are healthy and show no major pollutant concerns whatsoever. These lakes are healthy for us humans, as well as avians, fish, reptiles, mammals, invertebrates, and microbiota. Responsible land management and proactive steps in maintaining water quality will help ensure a safe, healthy, and beautiful lake for all.

Mike Smith  
LakePro Inc. – Lake Manager

