

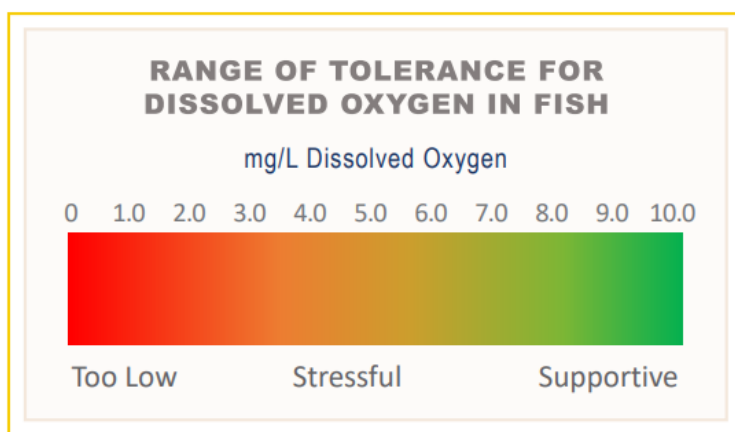


FIELD NOTES SUMMARY

Customer: City of Lynn
Pond Name: Goldfish Pond
Site Location: Lynn, MA
Date: 8/5/24

On 8/5/24, Aquatic Biologist, Grace Adams, and Aquatic Field Assistant, Harley Westgate, made a visit to Goldfish Pond. The following services were completed during the visit:

While on-site, dissolved oxygen (DO) and temperature readings were collected using a calibrated YSI meter with optical sensor. Dissolved oxygen is the amount of oxygen in water that is available to aquatic organisms. DO is necessary to support fish spawning, growth, and activity. Tolerance varies by species, but the figure below provides a general range of fish tolerance (Source: epa.gov). Dissolved oxygen can be affected by many outside factors, such as: temperature, time of day, and pollution. Dissolved oxygen levels are typically lowest early in the morning. Healthy water should generally have concentrations of about 6.5-8+ mg/L.



Results from the visit are included in the table below:

Temperature & Dissolved Oxygen	
Surface Temp (°C)	Surface DO (mg/L)
26.0	7.73

A Secchi disk is a disk with alternating black and white quadrants. It is lowered into the water of a lake until it can no longer be seen by the observer. This depth of disappearance, called the Secchi depth, is a measure of the transparency of the water.

Secchi Disk Clarity	
Secchi Disk Depth (Feet)	1'

Water Quality Parameters
Algae ID, Classification, Biomass
Phosphorus, Free Reactive (Water)

Additional samples were collected from the contracted locations. The samples were properly preserved, and shipped on-ice via FedEx Overnight, or transported directly to the most appropriate lab.

The lab will analyze the samples for the contracted/required parameters which are listed in the table above. Results will be provided upon receipt from the lab or in the year end-summary report, as applicable. Any concerning results will immediately be brought to the attention of the Client.

A treatment was conducted for the control of algae. The liquid contact algaecide was applied using a treatment boat equipped with a calibrated sub-surface injection system. This application methodology allows for even coverage within the treatment areas. The treatment was completed without issue.

Prior to the treatment(s), the shoreline was posted with neon signage noting the treatment, affiliated water use restrictions, and Water & Wetland contact information. The signs fulfill permit obligations for shoreline posting.

Additional Notes from the Biologist
A site visit was conducted at Goldfish Pond, involving an algaecide treatment. Algaecide in liquid form was applied to the pond, in combination with beneficial bacteria to continually break down organic matter. Additionally, basic water quality data was gathered, and water samples were taken. All fountains were operating normally at the time of the visit. The treatment was completed without issue. Overall, the pond was its typical green'ish color but is looking better. No surface scums were present.

As always, we will notify you prior to any upcoming visits, as applicable. Please feel free to reach out to us directly with any questions.

Photo 1



Photo 2



Photo 3



Photo 4

