WATER & WETLAND
LAKE POND & WETLAND MANAGEMENT

BIOLOGIST:
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Call/Email with any questions!

FIELD NOTES SUMMARY

Customer: City of Framingham
Pond Name: Waushakum Pond
Site Location: Framingham/Ashland, MA
Date: 6/18/25

On 6/18/25, Aquatic Field Biologist, Brian O'Leary, and Aquatic Field Biologist, Jake McNary, made a visit to Waushakum Pond. The following services were completed during the visit:

Upon arrival to the site, a survey was conducted using visual observation paired with a standard throw-rake and handheld GPS/ArcGIS Field Maps, as applicable. Plants documented during the survey are documented in the table below. (*) denotes an invasive species. Invasive species are non-native to the ecosystem and are likely to cause economic harm, environmental harm, or harm to human health.

Species Identified	
Common Name	**Latin Name**
Thin-leaf Pondweed	*Potamogeton pusillus*
Clasping-leaf Pondweed	*Potamogeton perfoliatis*
Common Waterweed/Elodea	*Elodea canadensis*
Filamentous Algae	
Variable Milfoil*	*Myriophyllum heterophyllum*
Curly-leaf Pondweed*	*Potamogeton crispus*
Waterlilies	*Nymphaeaceae*

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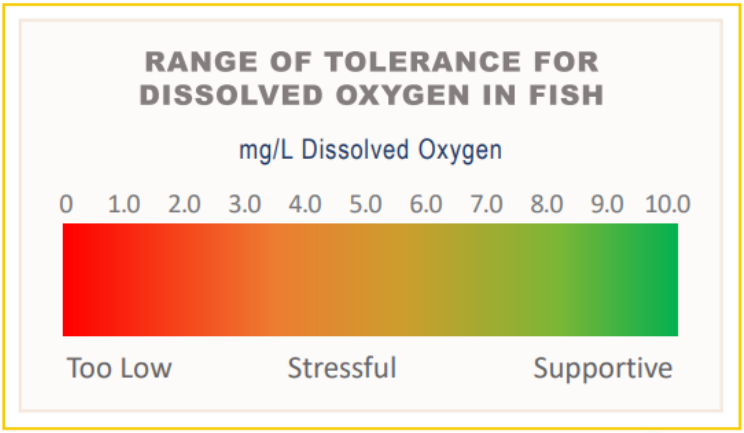


While on-site, dissolved oxygen (DO) and temperature readings were collected using a calibrated YSI meter with optical sensor. Dissolved oxygen is the amount of oxygen in water that is available to aquatic organisms. DO is necessary to support fish spawning, growth, and activity. Tolerance varies by 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 (℃)	Surface DO (mg/L)
22.2	9.74

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)	5 feet 6 inches

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, the shoreline was posted with neon signage noting the treatment in three languages, affiliated water use restrictions, and Water & Wetland contact information. The signs fulfill permit obligations for shoreline posting.

Additional Notes from the Biologist
The site visit consisted of collecting basic water quality data, performing a brief survey, and conducting a treatment. The survey was performed to confirm potential treatment areas and treatment timing.

The purpose of this treatment is to curb the presence of the nuisance/invasive aquatic vegetation within the pond, primarily targeting the highly dense stands of thin-leaf pondweed, and clasping-leaf pondweed, in addition to invasive species variable milfoil and curly-leaf pondweed. The eastern cove shoreline and the beach area contained the most dense areas of thin-leaf pondweed and clasping leaf pondweed, in addition to a few scattered curly-leaf pondweed plants. The western cove contained dense patches of thin-leaf pondweed and elodea, with scattered densities of variable milfoil and waterlilies. Excellent coverage was achieved within the designated treatment areas above.

Water clarity was decent at the time of visit considering the density of the vegetation. Weather conditions were optimal for treatment. Shoreline postings were put up prior to treatment.

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.

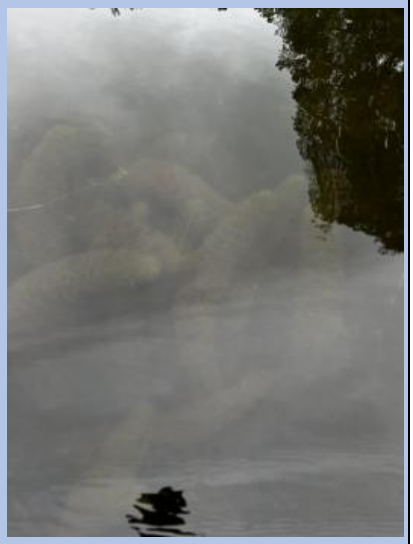
Photo 1	Photo 2	Photo 3
		

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Photo 4	Photo 5	Photo 6