



BIOLOGIST:
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CALL/EMAIL WITH ANY QUESTIONS!

FIELD NOTES SUMMARY

Customer: Peters Pond Grove Association Inc.

Pond Name: Peters Pond

Site Location: Dracut, MA

Date: 6/22/26

Biologist/s on Site: Aquatic Field Biologist, Will Demers, Aquatic Field Biologist, Jake McNary

Field Conditions

Field conditions during the visit included overcast, light rain conditions, light winds, temperatures in the 60-69°F range. Water conditions showed a light ripple water surface, water levels that were normal, and water appearing clear.

Observations/Data Collected

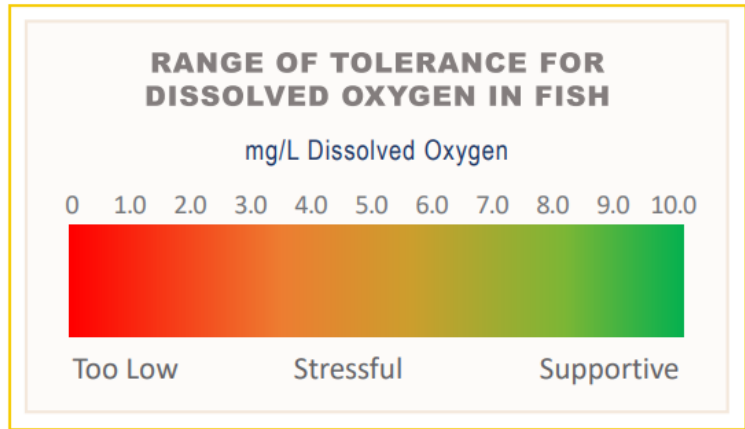
The following data was collected during the visit:

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	Density
Curly-leaf Pondweed*	<i>Potamogeton crispus</i>	<i>Sparse</i>
Waterlilies	<i>Nymphaeaceae</i>	<i>Moderate</i>
Ribbon-leaf Pondweed	<i>Potamogeton epihydrus</i>	<i>Sparse</i>
Tape Grass	<i>Vallisneria americana</i>	<i>Sparse</i>
Bladderwort	<i>Utricularia</i>	<i>Sparse</i>

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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 (°C)	Surface DO (mg/L)
24	8.39

Secchi Disk Clarity		
Middle of pond	Secchi Disk Depth (Feet)	7'10

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.

Photos

Photo 1



Photo 2



Photo 3

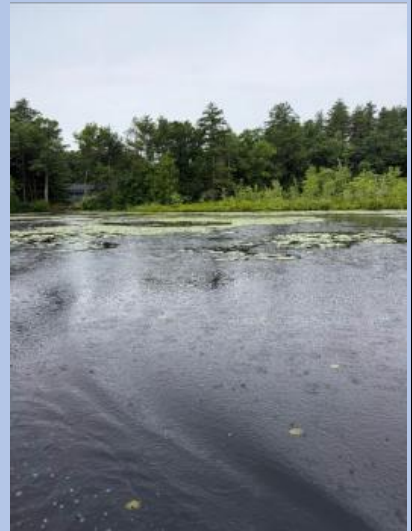


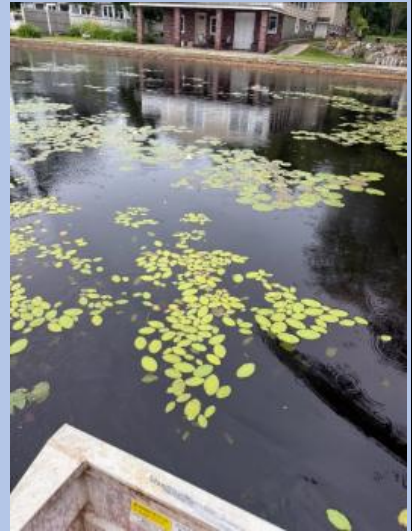
Photo 4



Photo 5



Photo 6



Management Tasks Performed

A treatment was conducted for the control of target nuisance/invasive plant growth. The liquid contact herbicide(s) 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. We anticipate plant die-off within just a few days to a few weeks.

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.