




**ENVIRONMENTAL SCIENTIST:**  
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CALL/TEXT WITH ANY QUESTIONS!



## FIELD NOTES SUMMARY

**Customer:** Glen Echo Lake Improvement Association, Inc (Glen Echo Lake)

**Site Location:** Charlton, Massachusetts

**Date:** 7/13/22, 8:30 AM

**Observations / Notes:** On July 13th, Senior Environmental Scientist, James Lacasse, completed a site visit to Glen Echo Lake. The visit consisted of collecting basic water quality data and conducting a treatment. Conditions during the visit were sunny and calm.

While on-site, basic water quality was collected using calibrated meters. The pH was 7.0, which is within a standard range for freshwaters and is considered neutral. The water temperature was consistent with other similar waterbodies we manage in the area, and the dissolved oxygen was sufficient to support fish and wildlife. Water clarity was also assessed using a Secchi disk. 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. The Secchi reading was 7'1", which illustrated the above average water clarity. The water clarity has significantly improved since the previous visits to the Lake.

As planned, and based on the survey, a treatment was conducted for the control of variable milfoil and fanwort. The liquid herbicide 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. Posters stating the restrictions associated with the treatment were posted around the Lake prior to the treatment by the Association.

During the treatment, several natives species were also noted as the Lake was traversed. Snailseed pondweed and thin-leaf pondweed were the most dominant, documented throughout the majority of the shoreline. These populations, despite being native species, were approaching nuisance densities.

Please let us know if you have any questions at all.

Pond	Surface Temp (°C)	Surface DO (mg/L)
Glen Echo Lake	27.1	7.02

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## Photos

