



2025 LAKE CONDITIONS UPDATE LAKE COUCHICHING

Survey Dates

- July 09, 2025



2025

LAKE CONDITIONS UPDATE

LAKE COUCHICHING (northern part)

SAMPLING DATE:

09/07/2025

WATER TEMPERATURE (oC)

25.95

WATER LEVEL*

*based on multi-year average (SSEA observations)

normal

VISIBLE ALGAL BLOOM

No algal bloom

LAKE COUCHICHING (northern part)



BLUE-GREEN ALGAE LEVEL**



ALGAE LEVEL**



OXYGEN LEVEL (mg/L)**



WATER CLOUDINESS**



GENERAL OBSERVATIONS

The water appeared very clear blue, with light foam on the surface. No smell was noted near the shore. Water levels were normal for this time of year. No algal bloom was observed. Aquatic vegetation was absent. No dead fish were observed. Seagulls were also noted in the area. No invasive species were observed. Some litter was present on water and no litter was present on shore. Overall, the lake conditions were assessed as good, based on what was seen during the visit.

**Water quality is assessed using several sensors (AquaTROLL 700 multiparameter sonde): algae levels are described qualitatively based on chlorophyll readings while blue-green algae (cyanobacteria) presence is indicated descriptively by phycocyanin measurements. Water cloudiness is evaluated based on turbidity, with clear water below 5 NTU, slightly turbid between 5 and 50 NTU, and very turbid above 50 NTU. Oxygen levels are determined by dissolved oxygen measurements in mg/L, where values above 9 indicate excellent conditions, 5 to 9 good, 2 to 5 moderate stress, and below 2 mg/L represent low oxygen levels that can be harmful to aquatic life.

This report is provided by the Severn Sound Environmental Association (SSEA) for general informational purposes only. The data and analysis presented are based on the best available information at the time of publication and are subject to change without notice. The SSEA makes no guarantees regarding the accuracy, completeness, or reliability of the information. Any use or interpretation of this report is at the user's own risk. This document does not constitute professional or legal advice. For official guidance, please contact the SSEA directly. © 2025 Severn Sound Environmental Association. All rights reserved.