

CHENANGO LAKE CSLAP REPORT TO CLPOA FOR 2025

Chenango Lake is now a **Oligotrophic** lake which carry low levels of nutrients and have less productivity. These lakes are often clear, cold, and have high oxygen levels. This is an improvement over the long standing **Mesotrophic** status and is based on Chlorophyll A, total phosphorus, and secchi depth clarity measurements. Chlorophyll A has declined slightly over the past 24 years of monitoring. Phosphorus has declined in the last decade. Secchi depth measurements have increased by 1.1 meters in the past 24 years.

Calcium Level is 11.2 mg/L High levels of calcium will support Zebra Mussels. The CSLAP report states that levels above 10 can support Zebra Mussels but AI states: “ Some studies suggest that they can survive and reproduce in waters with calcium levels as low as 12 mg/L, but abundant populations and successful reproduction are more likely to occur at higher levels.”

Chloride level has reduced in the last decade.

Ammonia and Nitrate – Nitrite levels have not changed in the last decade.

Invasive Species continue to be Curly Pondweed and Eurasian Water Milfoil.

Median Water Temperature: Surface: 71.6 F Bottom: 61.7 F No significant changes in the last decade.

PH Level is 7.55 which is circumneutral.

Measured Depth is averaged to be 33 feet, 2 inches.