

# Alma Lake - Deep Hole 2009 Results



**Alma Lake - Deep Hole** was sampled **6** different days during the 2009 season. Parameters sampled included:

- water clarity
- temperature
- dissolved oxygen
- total phosphorus
- chlorophyll

The average summer (July-Aug) secchi disk reading for Alma Lake - Deep Hole (Vilas County, WBIC: 967900) was 10 feet. The average for the Northeast Georegion was 11.2 feet. Typically the summer (July-Aug) water was reported as **CLEAR** and **BLUE**.

Chemistry data was collected on Alma Lake - Deep Hole. The average summer Chlorophyll was 6.1  $\mu\text{g/l}$  (compared to a Northeast Georegion summer average of 10.4  $\mu\text{g/l}$ ). The summer Total Phosphorus average was 13  $\mu\text{g/l}$ . Lakes that have more than 20  $\mu\text{g/l}$  and impoundments that have more than 30  $\mu\text{g/l}$  of total phosphorus may experience noticeable algae blooms.

The overall Trophic State Index (based on chlorophyll) for Alma Lake - Deep Hole was 48. The TSI suggests that Alma Lake - Deep Hole was **mesotrophic**. Mesotrophic lakes are characterized by moderately clear water, but have an increasing chance of low dissolved oxygen in deep water during the summer.

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