

Moon Lake - Deep Hole 2009 Results



Moon 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 Moon Lake - Deep Hole (Vilas County, WBIC: 1005800) was 15 feet. The average for the Northeast Georegion was 11.2 feet. Typically the summer (July-Aug) water was reported as **CLEAR** and **GREEN**.

Chemistry data was collected on Moon Lake - Deep Hole. The average summer Chlorophyll was 2.4 µg/l (compared to a Northeast Georegion summer average of 10.4 µg/l). The summer Total Phosphorus average was 12.5 µg/l. Lakes that have more than 20 µg/l and impoundments that have more than 30 µg/l of total phosphorus may experience noticeable algae blooms.

The overall Trophic State Index (based on chlorophyll) for Moon Lake - Deep Hole was 41. The TSI suggests that Moon Lake - Deep Hole was **mesotrophic**. Mesotrophic lakes are characterized by moderately clear water, but have a increasing chance of low dissolved oxygen in deep water during the summer.

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