

Moon Lake - Deep Hole 2012 Results



Moon Lake - Deep Hole was sampled **5** different days during the 2012 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 14 feet. The average for the Northeast Georegion was 9.1 feet. Typically the summer (July-Aug) water was reported as **CLEAR** and **BLUE**.

Chemistry data was collected on Moon Lake - Deep Hole. The average summer Chlorophyll was 3.4 $\mu\text{g/l}$ (compared to a Northeast Georegion summer average of 65.4 $\mu\text{g/l}$). The summer Total Phosphorus average was 8.5 $\mu\text{g/l}$. 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 Moon Lake - Deep Hole was 44. 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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