



Lake Characteristic: Trophic Status – Mesotrophic

Description

These lakes have moderate concentrations of nutrients (total phosphorus = 15-25 µg/L) resulting in generally moderate biomass of algae. They generally have lower water clarity and potentially lower oxygen concentrations in the hypolimnion than oligotrophic lakes. They are not likely to have low winter oxygen concentrations under the ice unless the lakes are particularly shallow.

General Condition of Feature

No data available.

Associated Species of Greatest Conservation Need

In the literature examined for species habitat information, mesotrophic was not mentioned.

Associated Threats

- No data available

Conservation Actions Needed (Threats addressed)

- No data available

Research and Survey Needs

- Conduct lake surveys to determine mesotrophic lakes status and condition
- Determine threats to mesotrophic lakes
- Determine conservation actions needed for mesotrophic lakes
- Determine what monitoring should be implemented to determine the trends in mesotrophic lakes

Monitoring

- Dissolved oxygen
- Effluent discharges: waste water treatment plants, septic systems
- Nutrients
- Riparian modifications