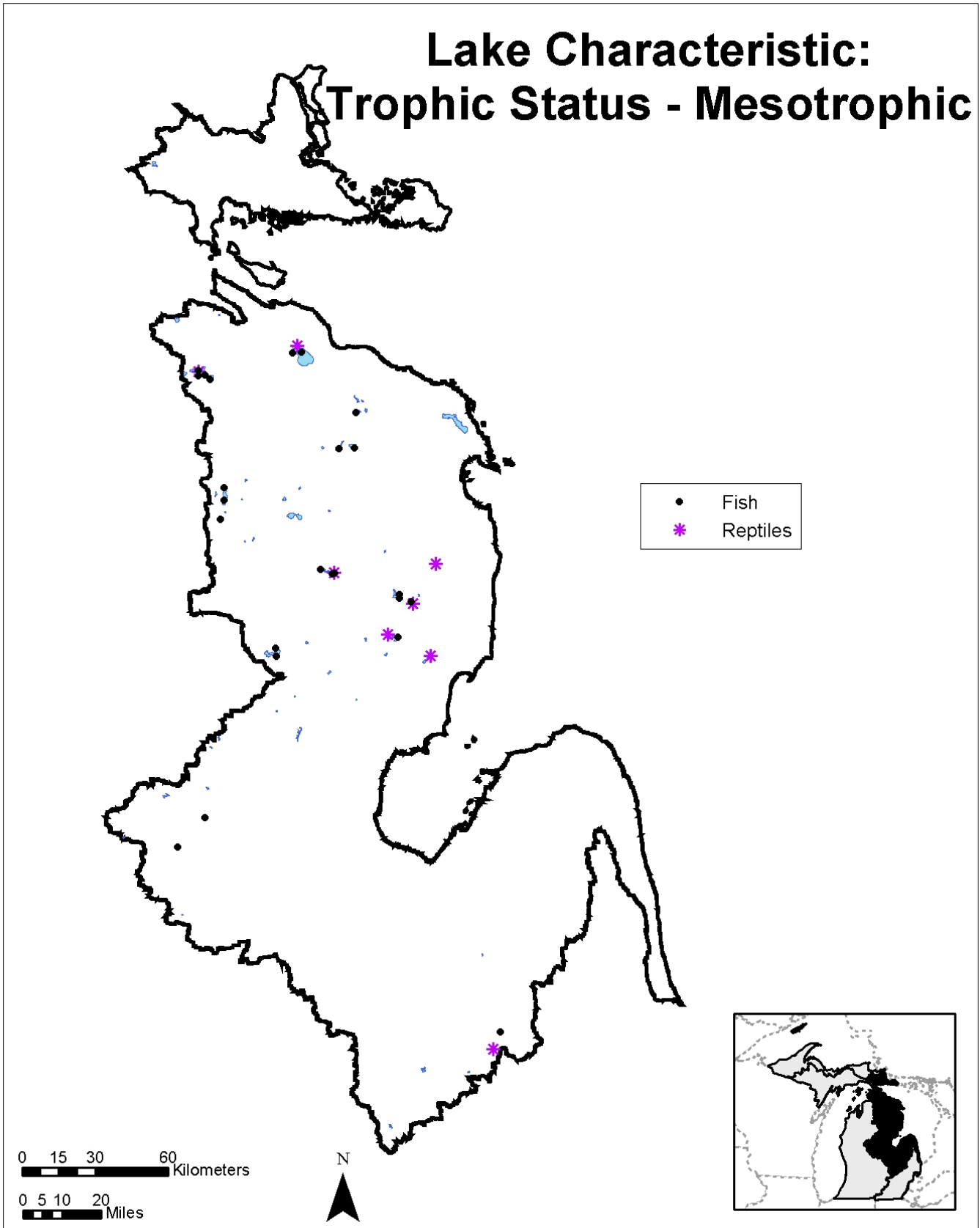


Lake Characteristic: Trophic Status - Mesotrophic



Lake Characteristic: Trophic Status – Mesotrophic

Description

Mesotrophic 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

- Determine the number and condition of mesotrophic lakes in this basin
- Determine the threats to this landscape feature
- Determine what monitoring should be implemented to determine the trends in this landscape feature
- Determine SGCN that use mesotrophic lakes

Monitoring

- Beach grooming
- Land use
- Nutrient inflows
- Sediment loading
- Shoreline modification
- Wetland modification