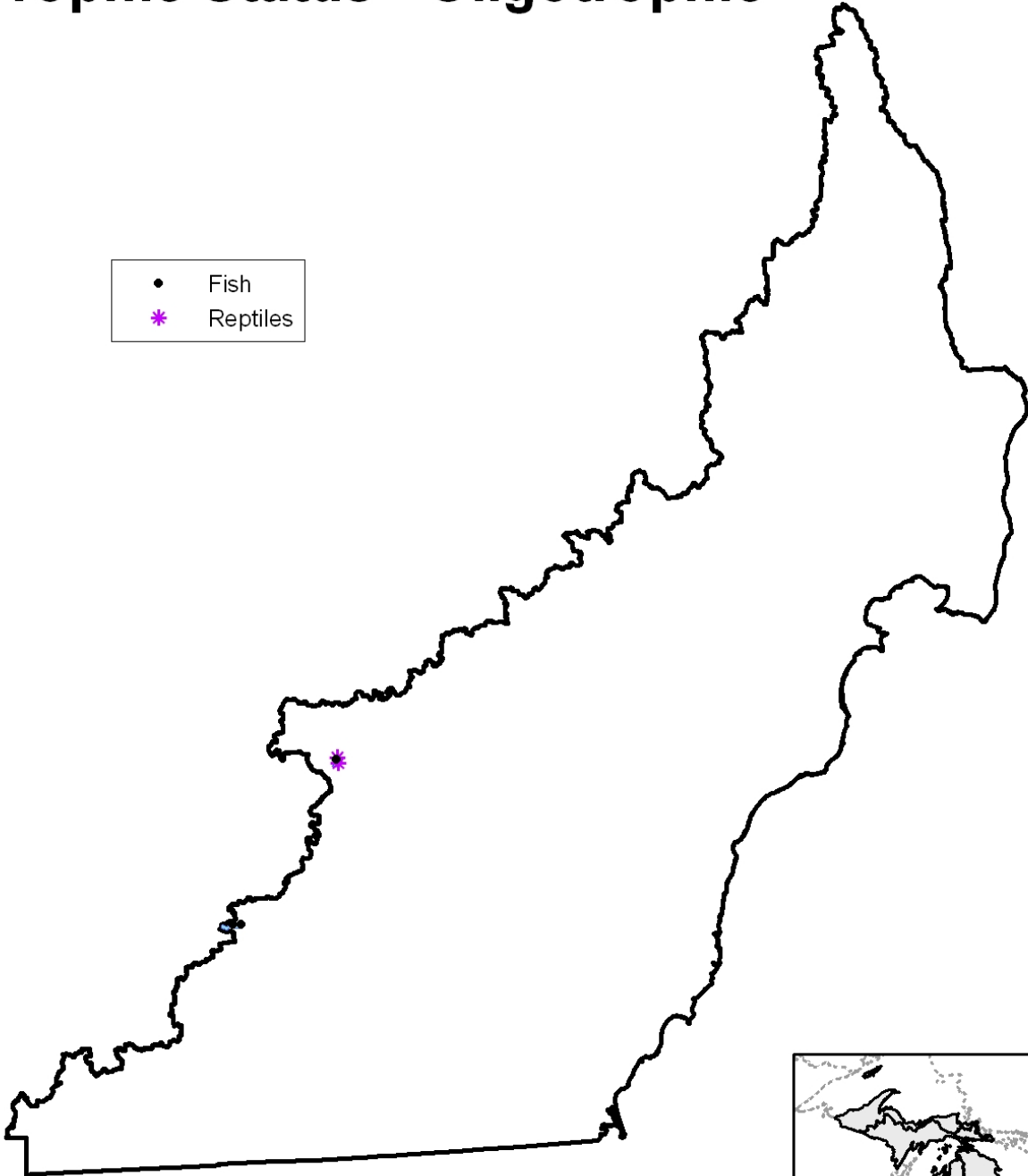


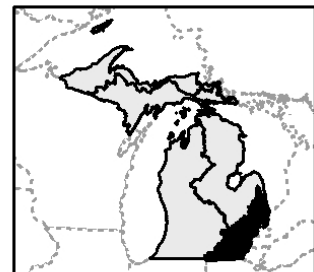
# Lake Characteristic: Trophic Status - Oligotrophic

- Fish
- \* Reptiles



0 10 20 40 Kilometers

0 5 10 20 Miles



## Lake Characteristic: Trophic Status – Oligotrophic

### Description

Oligotrophic lakes with low concentrations of nutrients (total phosphorus < 15 µg/L) resulting in generally low biomass of algae. They generally have the highest water clarity and high oxygen concentrations in the hypolimnion and are not likely to have low winter oxygen concentrations under the ice.

### General Condition of Feature

No data available.

### Associated Species of Greatest Conservation Need

In the literature examined for species habitat information, oligotrophic lakes were not mentioned.

### Associated Threats

#### *POLLUTION*

- Altered nutrient inflows

### Conservation Actions Needed (Threats addressed)

#### *LAW & POLICY*

- Encourage townships to separate combined sewer systems (altered nutrient inflows)
- Upgrade septic systems (altered nutrient inflows)

#### *EDUCATION & AWARENESS*

- Educate the public on lawn fertilizers and its affects on lakes (altered nutrient inflows)
- Educate the public on the use of and reasons for maintaining septic systems (altered nutrient inflows)

### Research and Survey Needs

- Determine the condition of this feature in the basin
- Determine use of oligotrophic lakes by species of greatest conservation need
- Determine what conservation actions need to be taken
- Determine research and survey needs
- Determine monitoring that should be done

### Monitoring

- Lake water temperatures
- Nutrients