

Table L-10. Predicted plankton scenarios for 1000-acre lake

Temp. (°C)	Expected Condition of Plankton Community
30-32.2	High primary production, some thermal stress causing decreased diversity and species composition altered from ambient condition
32.2-35	Blue-green algae replacing diatoms and flagellates; dominance of "summer" type zooplankton in all seasons
35-40	Blue-greens dominant, copepods principal zooplanktons, sporadic algal blooms with accompanying dissolved-oxygen depletion likely
40-45	Zooplankton virtually eliminated
45-50	Total domination of phytoplankton by bluegreens likely
50-55	Phytoplankton limited to only 1-3 species
55-60	Possible monoculture of thermophilic blue-green algae
>60	No primary production