

## Curtiss Lake - Waushara County

By: Tim Rasman

Curtiss Lake in southwest Waushara County is 33 acres with a maximum depth of 45 feet. Alkalinities are typical of other hard waters in the area. Quarterly chemistry's have been taken since July 1980; this program will continue through the Spring of 1982. Phosphorus levels were below the detectable limit. Nitrogen levels were high. Secchi disc readings were greater than 1.5 M and chlorophyll a concentrations never exceeded 6 ug/l on all sample dates. Significant oxygen depletion occurred below 4 meters in a 11.5 meter profile, during stratification. Chara was abundant in the littoral zone or shallow area. Scirpus, Juncus (sp.) and Typha latifolia were abundant emergents. Najas (sp.), Potamogenton natans, Heteranthera dubia, Vallisneria and Myriophyllum (sp.) were common. Most of the available nutrients appear to be taken up by the extensive amount of aquatic vegetation.

Curtiss is a class 4 mesotrophic lake.