



# Citizen Lake Monitoring Program

## 2008 Individual Site Report

Lake: Rice Main Lake

Site: 201

### Introduction

Thank you for participating in the Citizen Lake Monitoring Program (CLMP)! The Minnesota Pollution Control Agency (MPCA) greatly appreciates the valuable work that you do to protect and improve your lake's water quality.

### Understanding Your Report

A total of 1,302 CLMP volunteers monitored 1,939 sites on 1,317 lakes in 2008. This report provides you with summary information for the specific site you monitored this year, as well as historic data for your whole lake.

**Page two** of this report provides an in-depth look at the CLMP data that you collected in 2008 for your lake. It presents site-specific summary statistics and a graph of your current year's data.

**Page three** of this report shows whole-lake summary information based on all available data for your lake. It is divided into three sections: "Indicators of nutrient richness," "Secchi transparency trend data," and "Aquatic recreation assessment."

⊕ The "Indicators of nutrient richness" section depicts your lake's overall health. It also provides ten-year average total phosphorus (TP), chlorophyll-a, and Secchi transparency values for your lake if the data is available. The scale ranges from "Oligotrophic" which are nutrient poor lakes to "Hypereutrophic" which are very nutrient rich.

⊕ The "Secchi transparency trend data"

section describes how the transparency of your lake has changed statistically over time. It also provides a graph of your lake's transparency over time.

⊕ The "Aquatic recreation assessment" section depicts how well this lake can support aquatic recreation uses such as swimming, wading, and overall aesthetics.

**Page four** provides a map of your lake's catchment area and land uses, as well as a table showing how land uses have changed over time. "Lake catchment area" refers to an area of land that is hydrologically connected to your lake. Lake catchments were mapped by the Minnesota Department of Natural Resources (DNR), and represent the smallest unit of the DNR's watershed dataset. These catchments are approximate, and will be updated by the DNR as new information and mapping technologies become available.

### For More Information

If you have questions or comments on this report, please contact CLMP staff at 651-296-6300 (Twin Cities Metro Only) or 800-657-3864 (Greater MN only) or by e-mail at:

[clmp@pca.state.mn.us](mailto:clmp@pca.state.mn.us)

If you would like to see a summary of all CLMP data collected during 2008, the statewide annual report is available on the MPCA Web site:

[www.pca.state.mn.us/water/clmp-publications.html#annualreports](http://www.pca.state.mn.us/water/clmp-publications.html#annualreports)



Volunteer:

Lake:

Site:

County:  Ecoregion:

Nearest Town:

Years of data at this site by this volunteer  Total years of CLMP data at this site

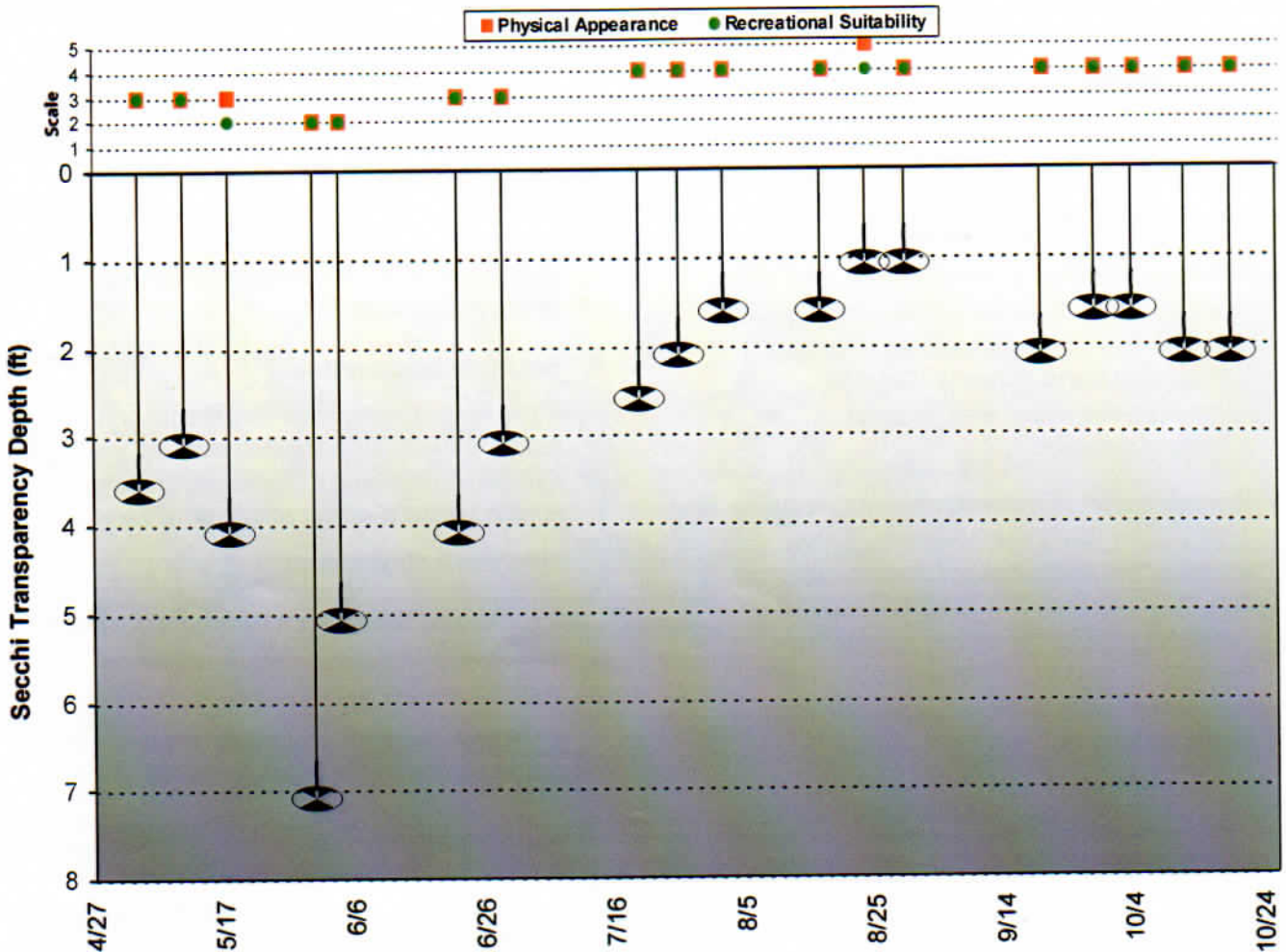
Lake Area (acres)

Max Depth (ft)  
(if available)

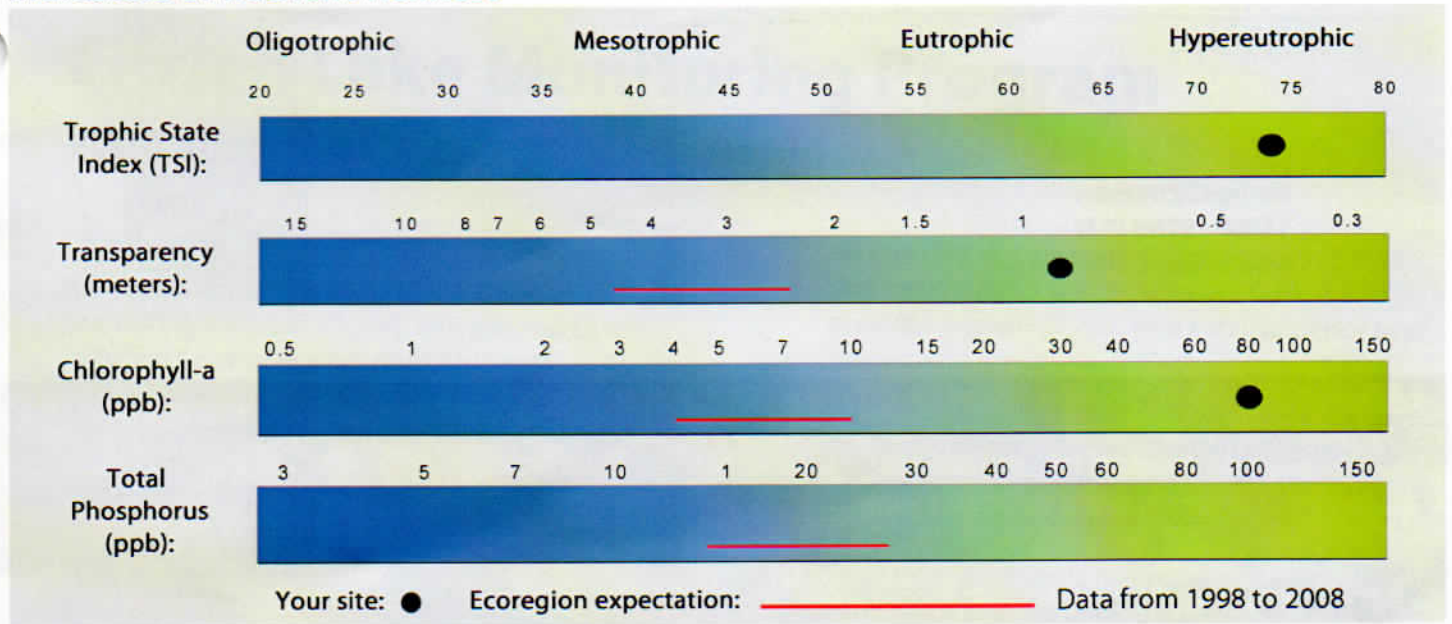
Current year summary 5/4/2008 to 10/19/2008

	Count	Mean	Min	Max
Secchi Transparency Data (ft):	<input type="text" value="18"/>	<input type="text" value="2.7"/>	<input type="text" value="1.0"/>	<input type="text" value="7.0"/>
Physical Appearance:	<input type="text" value="18"/>	<input type="text" value="4"/>	<input type="text" value="2"/>	<input type="text" value="5"/>
Recreational Suitability:	<input type="text" value="18"/>	<input type="text" value="3"/>	<input type="text" value="2"/>	<input type="text" value="4"/>

2008 Secchi transparency and user perception data (if available)

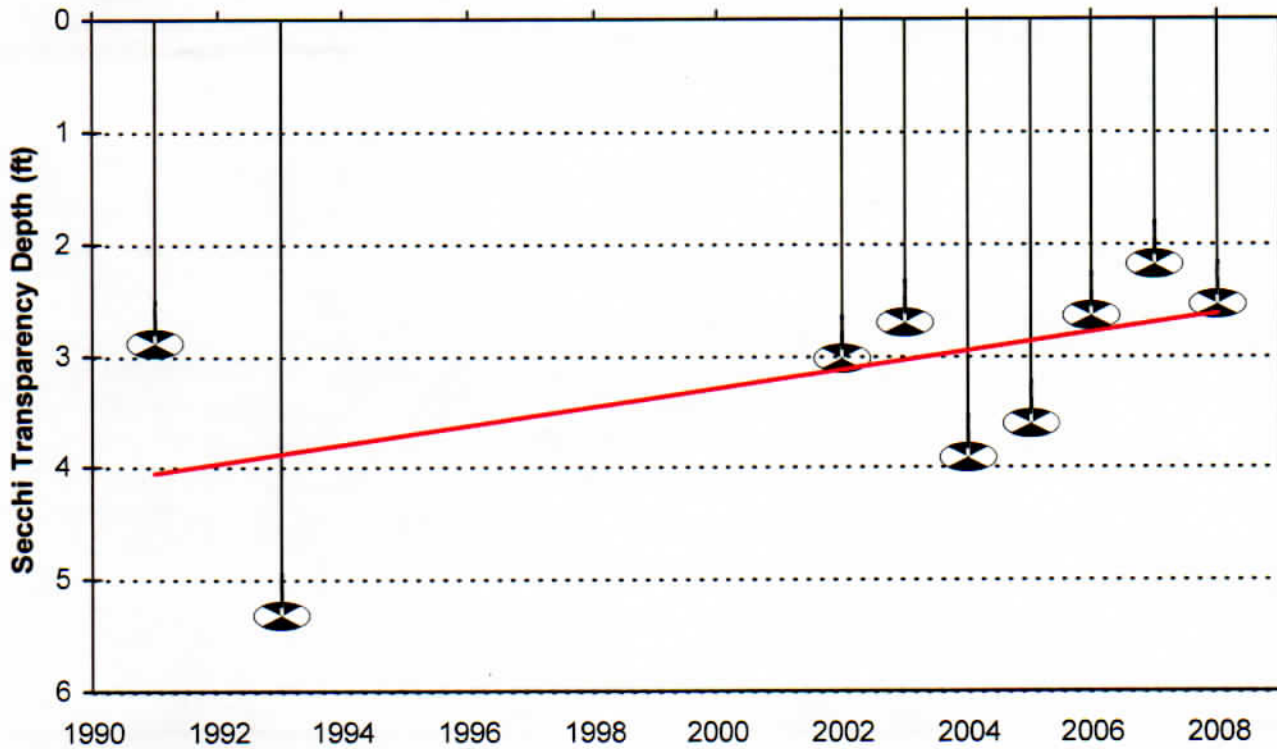


Indicators of nutrient richness



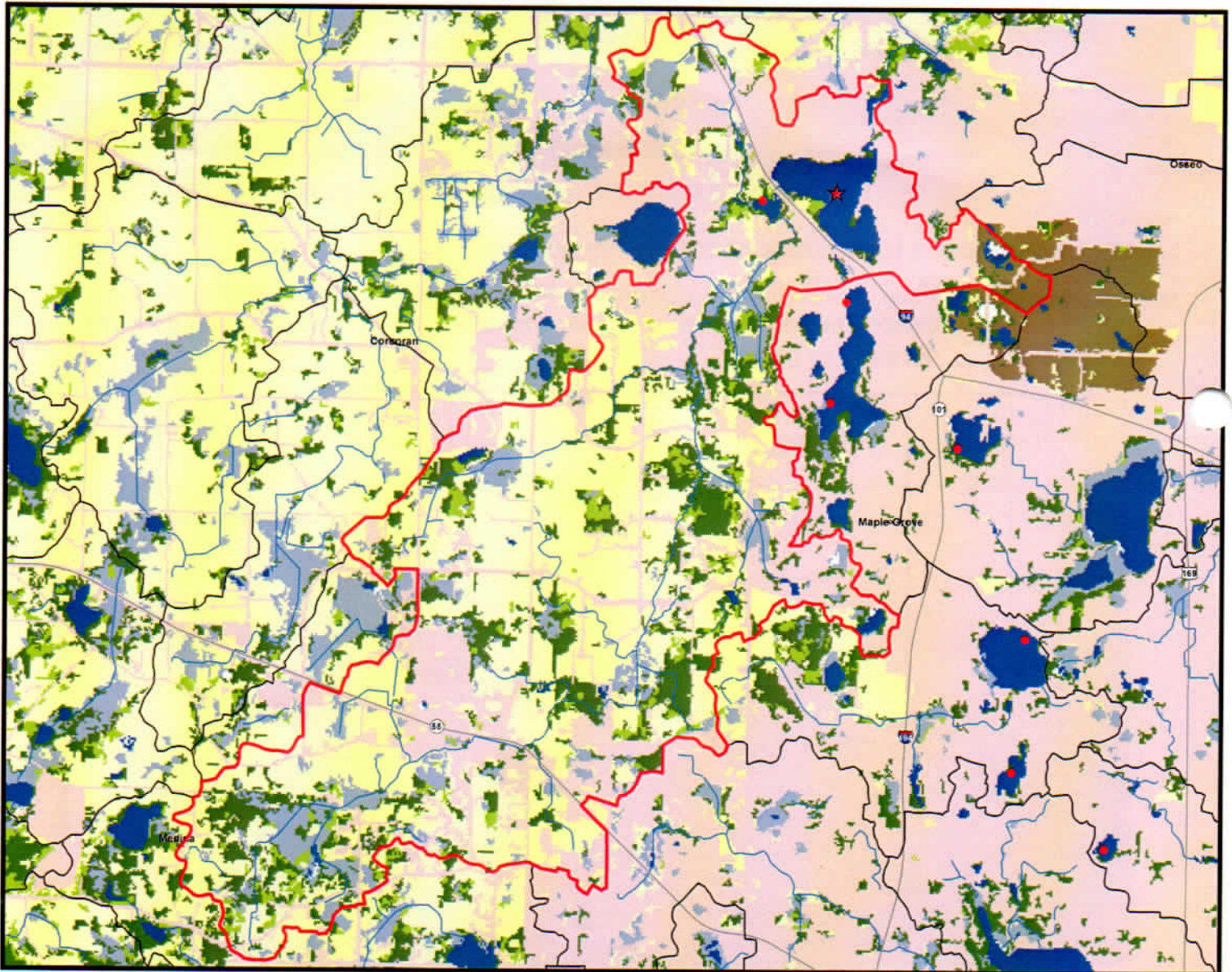
Secchi transparency trend data

**Trend analysis result:** Water clarity in this lake is possibly declining, with an estimated decrease of 0.8 feet per decade. This estimated change could potentially range from a decrease of 1.8 feet per decade to no change.



Aquatic recreation assessment: Not Assessed

George Schneider  
 14000 - 92nd PI N  
 Maple Grove MN 55369



Map legend:		Open water	Wetlands	Forest	Pasture	Agriculture	Impervious	Barren	★ Your CLMP Site	● Other CLMP Sites	— Selected catchment	— Catchment boundary	— Highway	— Water	
Land use	Percentages*	1992:	2001:	1992:	2001:	1992:	2001:	1992:							2001:
		3.8	4.3	12.6	13.9	22.5	22.1	7.0	7.0	30.0	26.8	24.0	25.8	0.0	0.0

\*Within the lake catchment. Map shows 2001 land use data.