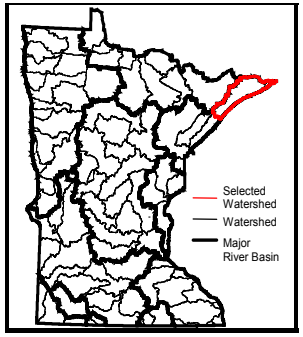
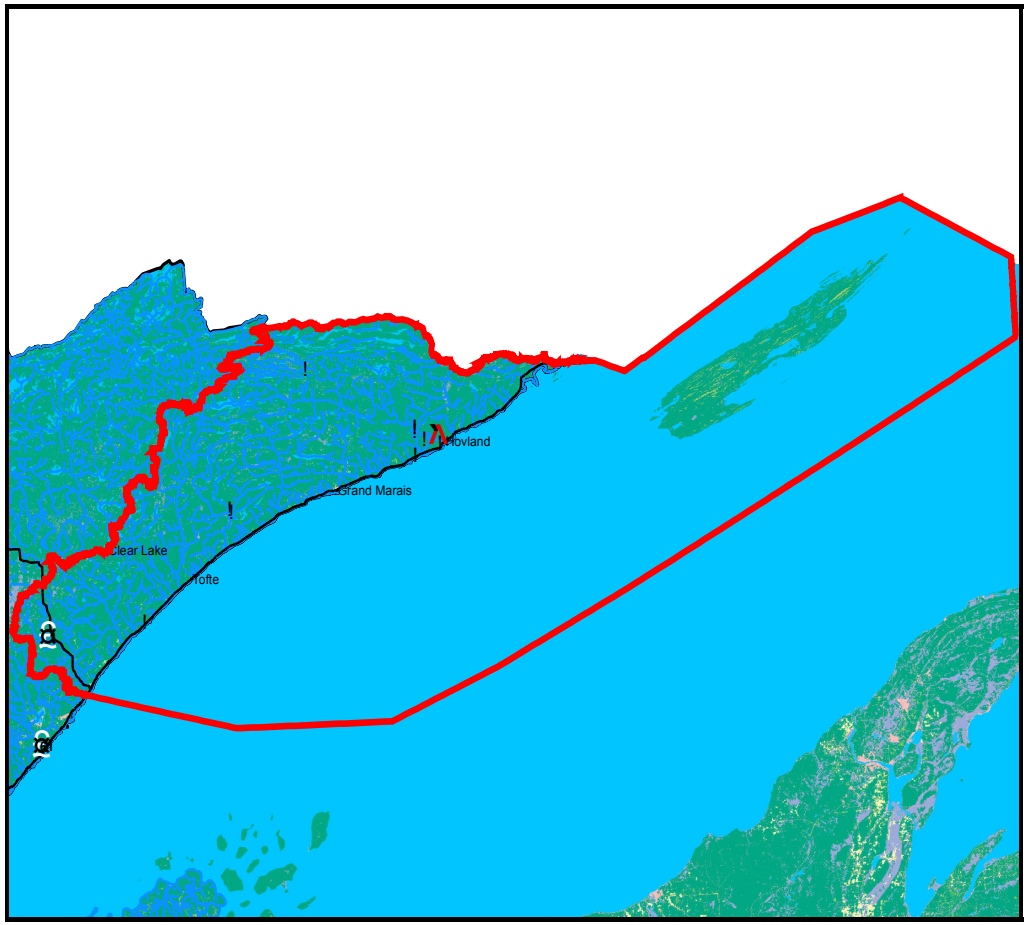
Watershed Name: Lake Superior (North)

Rick Schubert
4754 Chicago Bay Rd
Hovland MN 55606





Map Legend:

	Open Water	Urban	Forest	Pasture	Agriculture	Wetlands
Land Use Percentages:						
1992:	7	0	74	2	1	15
2001:	7	1	89	1	0	3

- Your CSMP Site
- Other CSMP Sites
- Watershed
- Road
- Water

Citizen Stream Monitoring Program

2006 Individual Site Report

Minnesota Pollution Control Agency

Introduction

Thank you for participating in the Citizen Stream-Monitoring Program (CSMP)! The MPCA appreciates the important work you do. This report summarizes CSMP data that you collected during 2006. A total of 486 CSMP volunteers monitored 793 stream sites across the state. The report provides an in-depth look at results for a specific site, including a map, summary statistics, and a chart of the data throughout the monitoring season. The pie charts on page 3 compare transparency readings at your site to all readings taken within the major river basin in which the site is located. A guide to understanding transparency categories from "Poor" to " Excellent" can be found on the enclosed insert.

If you would like to see a summary of all CSMP data collected during 2006, the statewide annual report will be available on the MPCA website in July 2007 at:
http://www.pca.state.mn.us/water/csmp-reports.html

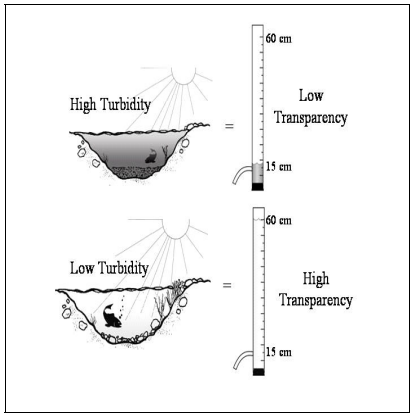
To view site data from previous years, go to:
http://www.pca.state.mn.us/water/csmp-search.cfm

A "Station Search" menu allows you to quickly access all the data available from your site. A down-loadable file is also available.

How CSMP Data Are Used to Assess Turbidity

The state uses transparency tube data to help determine where streams exceed water quality standards for "turbidity"- the murkiness of water. When stream turbidity is high, transparency is low. By establishing a scientific link between these two measures, transparency can be used as a surrogate for turbidity, allowing the water quality of more streams to be assessed using citizen help.

How Transparency relates to Turbidity



A transparency tube reading under 20 centimeters indicates a violation of the turbidity standard. Please note: this does NOT apply to designated trout streams, where a link between transparency and turbidity has not been well established. To see how many transparency readings at your site were less than 20 cm, look at the box under "Readings<20cm" in the " 2006 Transparency Tube and Rainfall Data Summary" table.

If you have questions or comments on this report, please contact Laurie Sovell or Johanna Schussler at 1-800-657-3864 (Greater MN) or 651-296-6300 (Twin Cities Metro Area), or by email at laurie.sovell@pca.state.mn.us or Johanna.schussler@pca.state.mn.us

Cleaner Water – One Volunteer at a Time

Volunteer: Rick Schubert

Stream Name: Flute Reed R @ CR-88, "R1"

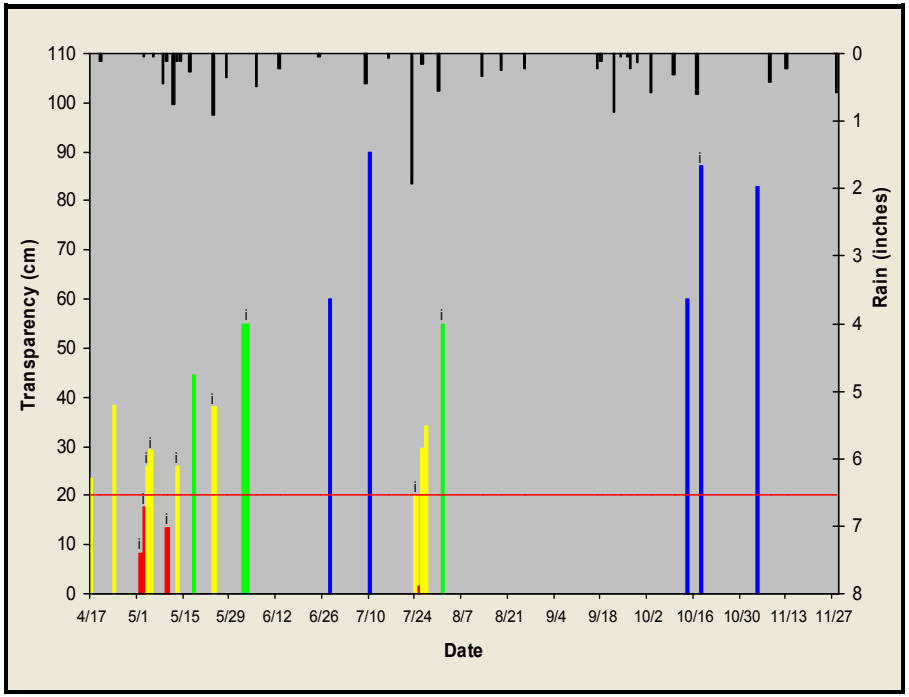
Site: CSMP1253 **County:** Cook **Watershed Code:** 04010101

Watershed Name: Lake Superior (North)

2006 Transparency Tube and Rainfall Data Summary

Monitoring Period		T-Tube Data				Rain	
From:	4/17/2006	Readings:	22	Readings <20cm:	4	Total (inches):	12
To:	11/28/2006		Avg	Min	Max		
Years Monitored:		T-Tube (cm):	41	1.5	90	Readings:	35

2006 Transparency and Rainfall Data



Transparency Categories:

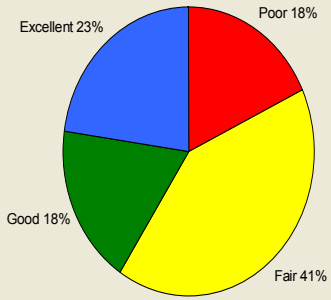
Poor <20 | Fair 20-40 | Good 41-59 | Excellent >=60 | Rain | T-tube readings below red line = violation of turbidity standard

Raindrops indicate transparency readings taken in response to a rain event.

Comparison of Your Site to All CSMP Sites in the Major River Basin

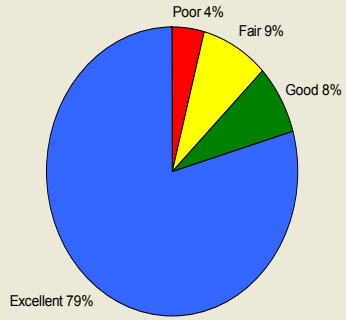
Percentage of Transparency Readings across Categories: Poor - Excellent

Your Site: CSMP1253



22 Transparency Readings

Lake Superior Basin



461 Readings From 26 Sites

Impaired Waters Assessment Status for your Stream (see insert for more information)

2006 Turbidity Assessment: Data do not meet assessment criteria.

Additional Assessments

Parameters Showing Impairment	Year First Listed	Parameters NOT Showing Impairment	Year Last Evaluated
None		None	