

# SCHOOL LAKE TMDL SUMMARY

## Impairment

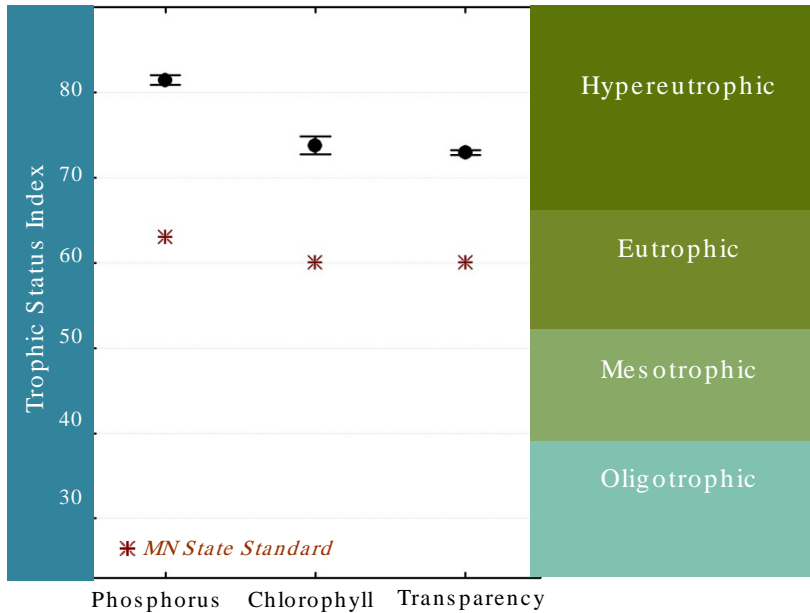
Aquatic recreation due to excess nutrients in the lake.

## Water Quality Goal

A 87% reduction in phosphorus loads to the lake is needed to restore the aquatic recreation use of School Lake.

## Observed Water Quality

Mean and Range of Annual Averages (2008-2009)



## Water Quality Standard

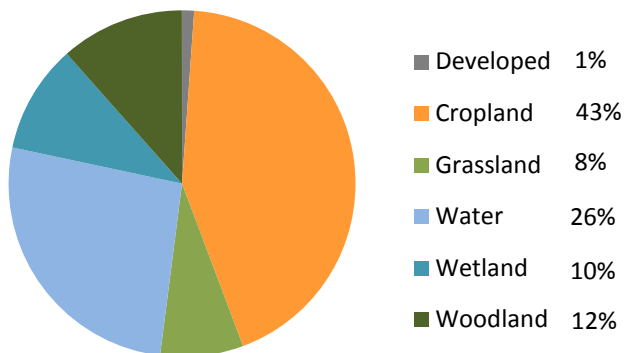
Secchi transparency – 1.0 m

Chlorophyll-*a* – 20 µg/L

Total phosphorus – 60 µg/L

## Land Cover

### School Lake



## BASIC FACTS

DNR ID	13-0044-00
Lake Surface Area	145 acres
Littoral Area	100%
Lake Volume	580 ac-ft
Mean Depth	4.0 ft
Maximum Depth	8 feet
Drainage Area	950 acres
Watershed Area:	
Lake Area Ratio	6.6:1

## Key Findings

- Three feedlots exist within the contributing watershed area.
- Three Imminent Threat to Public Health septic systems have been recently upgraded.
- School Lake Watershed includes the not-impaired Mattson Lake.

## Main Phosphorus Sources

- Internal load
- Urban runoff

## Fish & Plants Present

- Curly leaf pondweed (invasive)
- White water lily
- Stunted sunfish
- Black bullhead