

LITTLE LAKE TMDL SUMMARY

Impairment

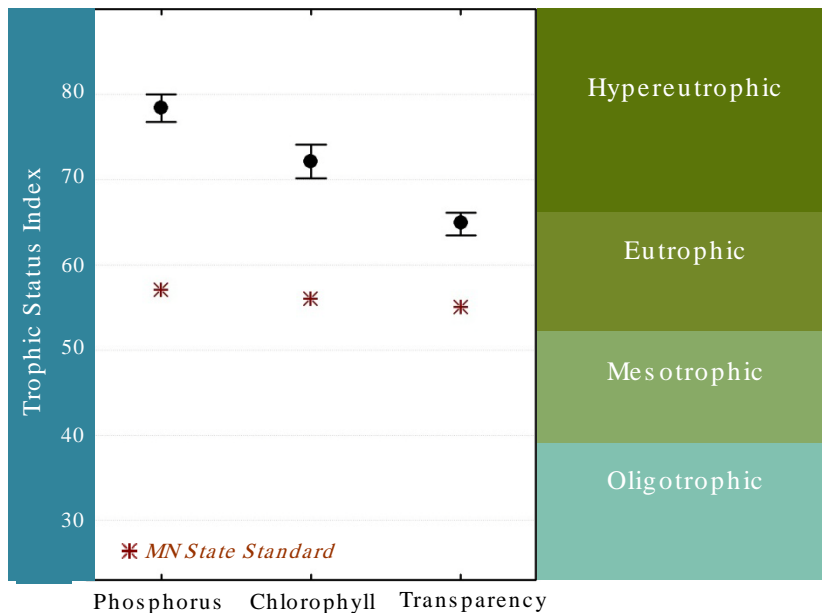
Aquatic recreation due to excess nutrients in the lake.

Water Quality Goal

A 89% reduction in phosphorus loads to the lake is needed to restore the aquatic recreation use of Little Lake.

Observed Water Quality

Mean and Range of Annual Averages (TP/Chl-A 2007-2008, Secchi 2006-2009)



Water Quality Standard

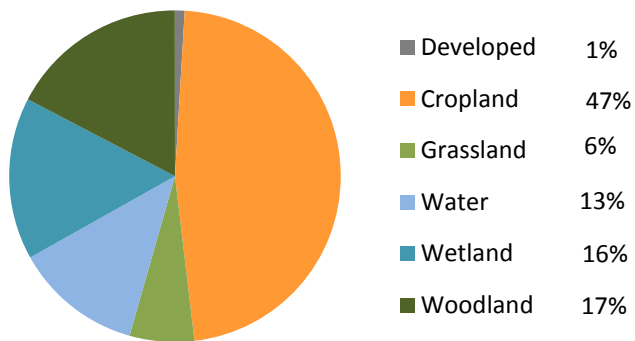
Secchi transparency – 1.4 m

Chlorophyll-a – 14 µg/L

Total phosphorus – 40 µg/L

Land Cover

Little Lake



BASIC FACTS

DNR ID	13-0033-00
Lake Surface Area	164 acres
Littoral Area	76%
Lake Volume	1,408 ac-ft
Mean Depth	9.4 ft
Maximum Depth	23 feet
Drainage Area	2,014 acres
Watershed Area:	
Lake Area Ratio	12.3:1

Key Findings

- Ten feedlots exist within the contributing watershed area.
- Four Imminent Threat to Public Health septic systems have been recently upgraded.

Main Phosphorus Sources

- Internal load
- Rural runoff

Fish & Plants Present

- Curly leaf pondweed (invasive)
- Canada waterweed
- Coontail
- Northern pike
- Bluegill
- Black Bullhead
- Pumpkinseed sunfish
- Bowfin (dogfish)
- Yellow bullhead
- Yellow perch
- Black crappie
- Walleye