

LINN LAKE TMDL SUMMARY

Impairment

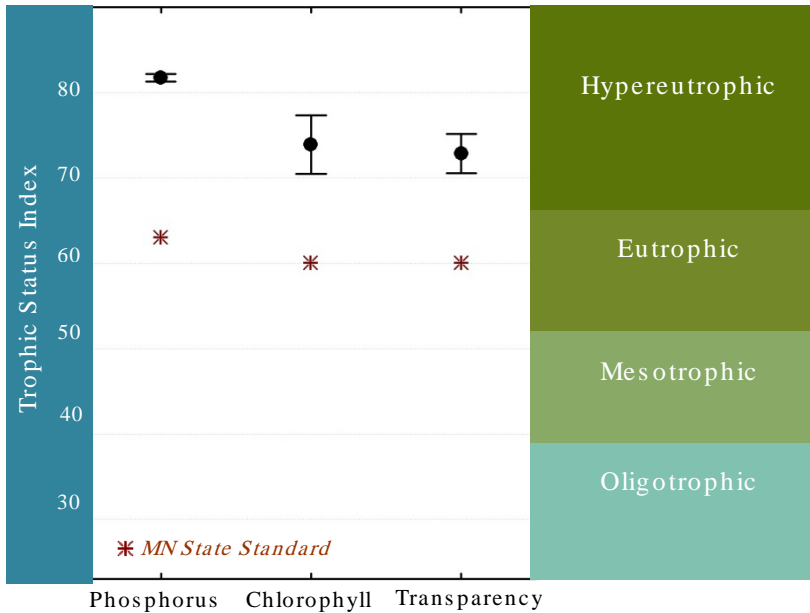
Aquatic recreation due to excess nutrients in the lake.

Water Quality Goal

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

Observed Water Quality

Mean and Range of Annual Averages (2008-2009)

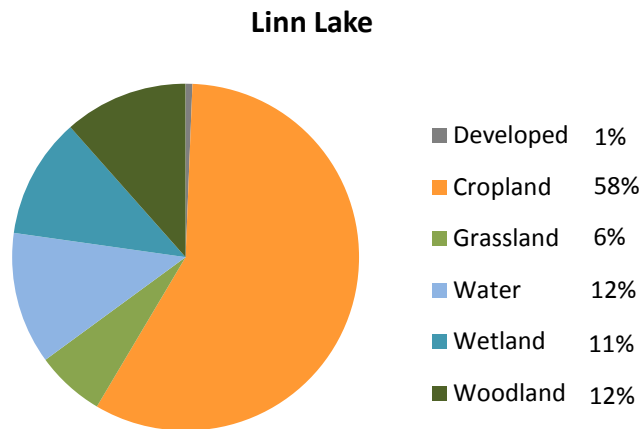


Water Quality Standard

Secchi transparency – 1.0 m
Chlorophyll-*a* – 20 µg/L

Total phosphorus – 60 µg/L

Land Cover



BASIC FACTS

DNR ID	13-0014-00
Lake Surface Area	177 acres
Littoral Area	100%
Lake Volume	1,062 ac-ft
Mean Depth	6.0 ft
Maximum Depth	11 feet
Drainage Area	1,149 acres
Watershed Area:	
Lake Area Ratio	6.5:1

Key Findings

- Three feedlots exist within the contributing watershed area.
- Two Imminent Threat to Public Health septic systems have been recently upgraded.
- Linn Lake is dedicated as a State Game Refuge Lake.

Main Phosphorus Sources

- Internal load
- Rural runoff

Fish & Plants Present

- Curly leaf pondweed (invasive)
- Canada waterweed
- Cattails (non-native)
- Water lily
- Northern pike
- Bluegill
- Black Bullhead
- Pumpkinseed sunfish
- Duckweed
- Brown bullhead
- Hybrid sunfish