

NORTH CENTER LAKE TMDL SUMMARY

Impairment

Aquatic recreation due to excess nutrients in the lake.

Water Quality Goal

A 16% reduction in phosphorus loads to the lake is needed to restore the aquatic recreation use of North Center Lake.

Observed Water Quality

Mean and Range of Annual Averages (2001-2010)



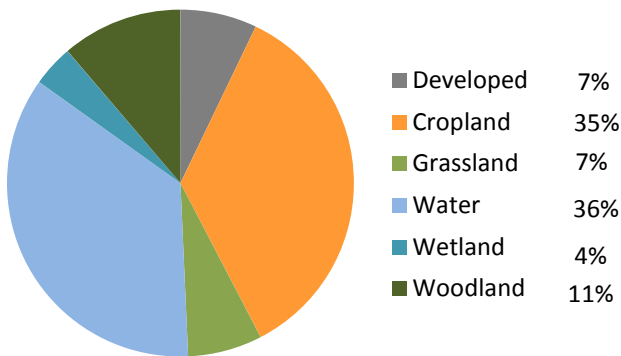
Water Quality Standard

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

Total phosphorus – 60 µg/L

Land Cover

North Center Lake



BASIC FACTS

DNR ID	13-0032-01
Lake Surface Area	754 acres
Littoral Area	81%
Lake Volume	4,463 ac-ft
Mean Depth	5.8 ft
Maximum Depth	46 feet
Drainage Area	13,470 acres
Watershed Area:	
Lake Area Ratio	18:1

Key Findings

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

Main Phosphorus Sources

- Urban runoff
- Rural runoff
- Septic systems

Fish & Plants Present

- Curly leaf pondweed (invasive)
- Eurasian watermilfoil (invasive)
- Brown, yellow, and black bullhead
- Common carp
- Northern pike
- Bluegill
- Golden shiner
- Pumpkinseed and hybrid sunfish
- Bowfin (dogfish)
- Golden shiner
- Largemouth bass
- White sucker
- Yellow perch
- Black crappie
- Walleye
- White sucker