Sands Lake Watershed Summary

Overall Strategy:
Improve Water Quality

Impairment: Not listed as impaired

Subwatershed Lake Cover/Use:
17.4% Open Water
4.8% Developed
6.7% Wetlands
4.3% Cultivated Crops
512% Forest
15.5% Grassland

Water Quality	10-Year Average June - Sept (2006-2015)	Trend
Secchi (clarity)	9.5 ft.	Insufficient Data
Total Phosphorus	30 µg/L	Insufficient Data
Ortho Phosphate	Insufficient Data	Insufficient Data
Chlorophyll-a	7.8 µg/L	Insufficient Data

Short Term Goals - Year 2025

- Achieve a 5-year mean summer phosphorus concentration at or below 30 µg/L ± 4%
- Maintain mean summer Secchi depth no less than 10 ft

Long Range Goals – Year 2035

- Achieve a 5-year mean summer phosphorus concentration at or below 30 µg/L ± 4%
- Maintain mean summer Secchi depth no less than 10 ft

Basic Facts

DNR ID/ Becker No	MN03-0420-00 / 420
Township(s)	Richwood (Sec 27, 34)
Lake Classification	Natural Environment
Lake Area	104.7 acres
Littoral Area	104.7 acres (100%)
Sub-watershed Area	545 acres
Inlet(s)	None
Outlet(s)	None
Control Structures	None
Highest Recorded*	Not Recorded
Lowest Recorded*	Not Recorded
Ordinary High Water Level*	Not Recorded
Recorded Range*	Not Recorded
Maximum Depth	11 ft.
Main Fish Species	N/A
Secondary Fish Species	N/A
MN DNR/ Private Fish Stocking	N/A
Aquatic Invasive Species (2015)	None listed
Public Access Sites	None
Marinas	None
Public Beach	None
References	DNR Lake Finder, Becker County

*Elevations NGVD 29 ** Elevations NAVD 88

Sands Lake Watershed Summary

Overall Assessment

Sand Lake is a 104-acre shallow natural environment lake located 1.5 miles north of Floyd Lake and about 6 miles north of the City of Detroit Lakes. There is very little residential development on the lake with only three residential single-family homes located in the very southern portion of the lake. Sands is a shallow lake that reaches a depth of 11 feet with a prominent wetland fringe along the edge of the lake. It is land locked with no significant surface water input or outlet. The lake is recharged by stormwater runoff and groundwater interactions.

Sand Lake was monitored for chemistry and clarity from 2006-2010 found average clarity of 9.5 feet and mean summer total phosphorus levels of 30ppb would describe the lake a mesotrophic. Macrophyte growth is present most of the lake, especially dense in water less that 5-feet.

Land cover in the contributing drainage area is primary forested land and totals 279 acres (62%) of the area. Other land cover includes 19% grassland (84 acres), 8% wetland (37acres), 5% cropland, and 6 % developed land.

Past Studies

Implementation

Planned/Potential Projects:

Capital Improvement Projects:

Projects & Programs

Ongoing Programs:

Pelican River watershed district

Sands Lake Watershed Summary