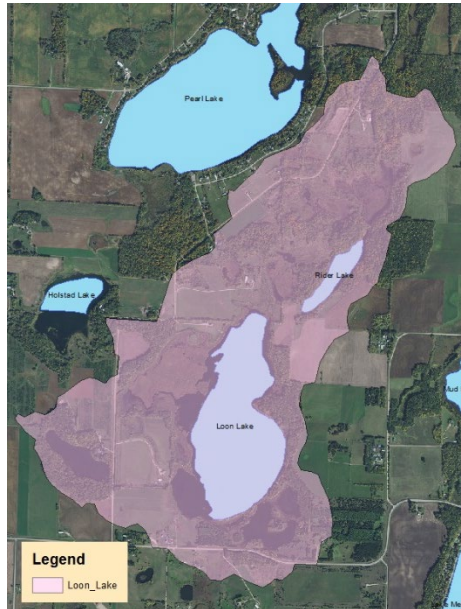


Overall Strategy:
Improve Water Quality

Impairment: Not listed as impaired

Subwatershed Lake Cover/Use:

- 20.9% Open Water
- 3.9% Developed
- 7.0% Wetlands
- 12.1% Cropland
- 33.4% Forests
- 22.6% Grassland



Water Quality	20-Year Average (1998-2017)	Trend
Secchi (clarity)	6.5 ft.	Insufficient Data
Total Phosphorus	29 µg/L	Insufficient Data
Ortho Phosphate	Insufficient Data	Insufficient Data
Chlorophyll-a	10.5 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 6 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 6 ft

Basic Facts

DNR ID/ Becker No	MN03-489-00 / 288
Township(s)	Erie, Holmesville (Sec 5, 32, 33)
Lake Classification	Natural Environment
Lake Area	264 acres
Littoral Area	Not Recorded
Sub-watershed Area	1275 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	Not Recorded
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

Overall Assessment

Loon Lake is a shallow 264 acre natural environment lake. There is little residential development with 2 single family homes on the west side of the lake and one cattle grazing area on the south side of the lake. It is apparent that cattle grazing extends to the water edge and potentially are using the lake as a water source. This certainly is a significant nutrient source to the lake. There is a prominent wetland fringe along the western and northern shoreline.

Water quality was monitored for a three year period between 2006-2008 where total phosphorus concentration were 29 ppm with water clarity of 6.5 feet. This is well within expected range for this ecoregion (23-50ppm phosphorus and 5-10.5 ft clarity) and well below the impairment limits for shallow lake (60 ppm phosphorus and 3.2 ft clarity). Loon is a landlocked lake meaning there are no surface water inputs or outlet, and has is disconnected from all surface watercourses.

Land cover in the drainage area consists of 426 acres of forest (42%), 289 acres of grassland (29%), 154 acres of cultivated crops (15%) 90 acres of wetland (9%) and 50 acres of developed land (5%).

Past Studies

Implementation

Planned/Potential Projects:

Capital Improvement Projects:

Projects & Programs

Ongoing Programs:
Programs

