



"Green Lake is a jewel in nature's crown. Like all valuables, our lake needs to be protected. Who could care more for our lakes than the people who love them and live on them? That someone is you!"

GREEN LAKE FACTS

It's the largest lake in Isanti County and lies within Wyanett Township. Green Lake is an oval lake totaling almost 833 acres. The shoreline extends 4.4 miles. It is a shallow lake with 43 percent of the total acreage 15 feet or less in depth. The maximum depth of the lake is 28 feet.



Our Green Lake brings enjoyment to thousands of boaters! On many many days, the water is clear with a Secchi visibility range of 4 to 9 feet. However, there are many nasty green days, too.

Green Lake's water comes from rainfall and watershed creeks/streams that flow into our basin. The main inlets are Wyanett Creek, North Brook Creek, and three other smaller creeks. Hence, some portion of the nutrients that are in the surrounding watershed land find their way into our lake as runoff.

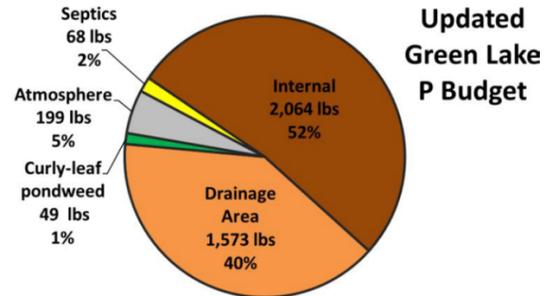
The main functioning outlet is Green Lake Brook. Green Lake's high water level is controlled by a flap gate located three miles downstream.

GREEN LAKE IS "NUTRIENT RICH"

What does this mean? Our Green Lake continues to be an incredible resource for enjoyment by our lake residents, visitors, and nature. Our different seasons brings changes to the lake. Very clear one day, then covered in green algae the next!

Our important Green Lake studies and monitoring over the past years have resulted in analysis of our lake's "Nutrient Budget". Simply stated, this provides us a view of what nutrients like phosphorus are in the lake and where they are coming from.

The largest source of phosphorus load is coming from the lake itself with a modeled number of 2,064 pounds per year.



THE PERFECT BALANCE

Nutrients feed weeds and algae. Too much causes problems! It isn't news that nutrients feed weeds and fish. However, if our lake's nutrient budget weight gets to be too much, then problems start occurring. Our Green Lake was appropriately named many many years ago. Over the past years, with changing climate, changing watershed, and changing lake dynamics, our nutrient rich Green Lake has provided more invasive and infested weed growth along with toxic Blue-Green Algae surprises. What can we do now?

- > Reduce/prevent Aquatic Invasive Weeds Species.
- > Reduce nutrients flowing into our lake.
- > Reduce lake shoreline erosion and runoff.

LAKESHORE RESTORATIONS

Sign up now! Is your lakeshore washing away or would you like help restoring it?

Contact:

Dan Howard,

Phone: 763-286-1146 | Email: danhowardnow@gmail.com

GLID'S GREEN LAKE MANAGEMENT PLANS

GLID is teaming up with our Advisory Partners: Isanti Soil and Water Conservation District, Isanti Zoning, Wyanette Township and Minnesota DNR for a better lake.

Refer to the GLID Website for Lake Management Plans, lake studies, weed surveys, and much more at <https://www.greenlakemnid.com/minutes--documents.html>



GREEN LAKE INVASIVE WEED TREATMENT

GLID has teamed with the DNR and SWCD to understand the many parameters and restrictions of Aquatic Invasive Species (AIS) weed management. Did you know that Curley Leaf Pondweed was found in Green lake as far back as 1971 and Eurasian Water Milfoil was found in 2000?

We are trying to balance the need for reduced invasive weed infested lake waters with water quality, safety, less chemical usage, and fish habitat. We need to continue focusing on killing invasive weeds in the spring to reduce the growth and nutrients. The GLID is working with the DNR via permits to use the safer Diquat herbicide on 50.5 acres to help control both Curley Leaf Pondweed and Eurasian Water Milfoil, at the same time reducing chemical usage and saving a lot of money. Our 2020 CLP treatment was effective!

- Second, the cleared area must not extend more than 50 feet along the shoreline or one-half the length of your shoreline, whichever is less.

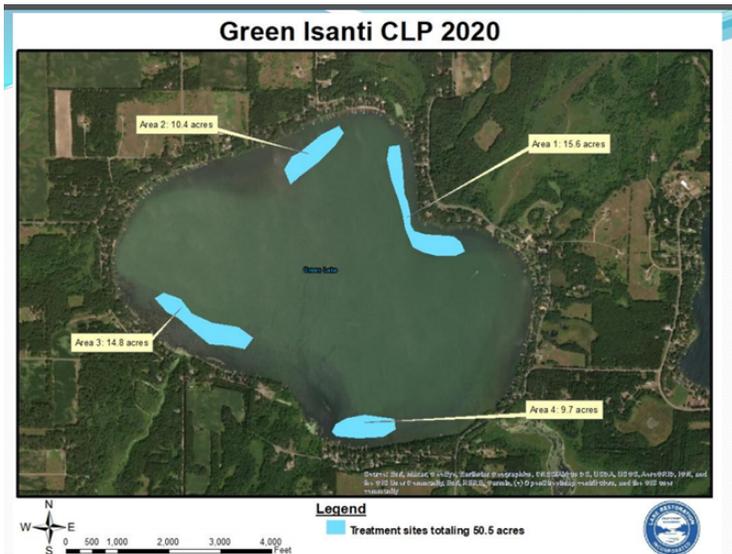
The 2,500 square foot area may also include a boat channel up to 15 feet wide to open water. The cutting or pulling may be done by hand or powered equipment that does not significantly alter the lake bottom.

Lake owners **MUST HAVE** a DNR permit if using herbicides or algaecides for DIY weed control.

HIRING LAKE WEED TREATMENT

Lake treatment for CLP in 2020 was done by Lake Restoration, located in Rogers, MN.

Lake Restoration and other companies are available to help treat weeds and muck around your dock. Lake owners should apply for weed treatment in January to save on mandatory DNR fees.



NOTE: Currently, GLID cannot treat the DNR-protected native Coontail weed that is also causing congested areas. Some amount of weeds is great for our many fish and helps prevent some shoreline erosion, but too much causes boat navigation problems.

HOMEOWNER WEED TREATMENT OPTIONS

Green Lake home owners can help reduce nutrient loading in the lake by removing weeds from the lake. Also, using lake shoreline best management practices reduces nutrient runoff into the lake.

If you are a lakeshore property owner who wants to maintain a swimming or boat-docking area, you may cut or pull submerged vegetation without a DNR permit under certain conditions:

- First, the area to be cleared must be no larger than 2,500 square feet.

BOAT INSPECTIONS AGAINST AIS INVASIONS

GLID is receiving funding support from Isanti County AIS Mgmt for summertime 6 days a week boat inspections at our public landing. We must absolutely try to prevent different bad weeds and Zebra Mussels from infesting Green Lake. Your 'Clean In-Clean Out' help is needed, too, to educate visiting guests.

INFORM, INTEREST, INVITE, INVOLVE

"Unless someone like you cares a whole awful lot, Nothing is going to get better. It's not." Dr. Seuss

The Green Lake Improvement District (GLID) with lake owners are dedicated to lake shoreline restoration and continued preservation of safe water quality for current and future generations.

Green Lake needs your involvement!
Attend our upcoming meetings:

GLID Board Weed Prevention & Prep Meeting

WHEN: Sunday, April 10 at 9am
WHERE: Wyanette Town Hall or via Zoom (link will be on our GLID website)

2021 Annual Green Lake Improvement District Meeting

WHEN: Saturday, June 26 from 9am-10:30am
WHERE: Wyanette Town Hall