

OBJECTIVES FOR 2022 GREEN LAKE ANNUAL OWNERS MEETING

- Review current GLID project State of Affairs. Put needed actions into place for 2022-2023 Green Lake Improvement Plan
- Agree to proposed 2023 GLID Budget

AGENDA/TOPICS:

> **GLID Communication Mechanisms** and costs to Inform, Interest, Invite, Involve, Invest! **Key part of GLID's Mission/Purpose.**

+GLID new updated Facebook in place! Marissa Dahlin our GLID FB Ambassador. 120 followers already! Grateful to Marissa and Alex

- One GLID hardcopy newsletter sent out leveraging Lake Restoration mail. Sent to 180 addresses. PDF below>>
- Two GLID emailchimps e-newsletters sent to 103 subscribers with 70% open rate.
- GLID website always being updated with new info- check it out. www.greenlakemnid.com

--Cost GLID \$153.90 for domain ID and hosting services for 2 years!. Other options cost more! MLR is a hosting option.

-- GLID website does get a good number of views! That is good! - "Unique Visits 434 Jan 1- Apr 2; +70% from last 122 days"

- one paid Advertiser/Sponsor: Legacy Motor and Marine Service Company in Isanti. Helps Lake Owners! @\$10/month = \$120

- GREEN LAKE WEEDS WHY? WHAT'S BEING DONE? DNR's WHAT CAN I DO?

>'Weed management requires knowledge, time, patience and money. There is no magic bullet that will eliminate excess weeds without continued effort and without side affects.... A lake, after all, is not a swimming pool but a dynamic, complex system and expectations should be realistic. '

GREEN Lake AIS and other weed activities

- DNR GRANT: GLID received Official DNR Grant Amount: \$15,150 Two-year project Award for Green (Lake) in Isanti"

GLID is blessed with DNR's random selection process landed on Green Lake's application! Barbara reflects grant in proposed budget.

GLID was DNR approved and ready to go for 2022 treatments before winning award!

-- Requires mandatory whole lake survey: GH requested late survey for max impact mid May by AIS Services: approx \$800 > map

-- DNR CLP permits will need to be re-re-renewed ✓ planning for 50.5 acres for CLP using Diquate 3 for 1 weed control, + 3-8 acres Harvesting?



-- Then for EWM, another mandatory survey which serves as a 2 for 1 post CLP survey followup: approx \$800. No EWM found in 2021!

GREEN LAKE WEEDS OWNER'S DNR's WHAT CAN I DO?

== Lake Restoration is treating 45+ Lake owners @ \$212/treatment. helps reduce nutrient budget growth by a tiny amount

==GLID encouraging owners to remove dead weeds from/away from lake. GLID offering FREE Wyanett compost pile.

== DNR allows removing submerged vegetation without a DNR permit under certain conditions:

- First, the area to be cleared must be no larger than 2,500 square feet.
- Second, the cleared area must not extend more than 50 feet along the

shoreline

== NOTE; weeds possibly can help reduce shoreline erosion by slowing down wave force

- **AIS Boat Inspections** – GLID has Inspectors at Green Lake access starting May 18 > Tues, Wed, Thur, Fri, Sat, Sunday ---

o GLID Requested 44 hrs X 20 weeks from Isanti Zoning.. Per AIS ZONING's Darrick WORTH \$21,000! 2021 found .6% violators.

==Inspections raise awareness! Hopefully Prevent new Zebra Mussel invasion.. along with Starry Wart

Fact: The spread of AIS follows the highways not the airways via birds... hitching rides on boats & trailers.

== SWCD's Lydia created special ISANTI Invasive Species watch handout - > see PDF below >>>

== DNR Clean-in & Clean-out logo now at Public Access. Requested re-stencil repaint for Green and Spec!

Maybe will help young boat inspectors tough job of making boaters aware of AIS lake impacts and prevention!

== No plans for Green Lake CD3 Machine installation. Expensive. GLID is in wait and see results.

- Green Lake Access and Boat Lake Patrols by Isanti Rescue Team affiliated Sheriff Department

== Agreement by Tim Skog to increase his uniformed Team's presence at access and on lake using Sheriff's boat.

Objective: to reduce bad behavior at access and on lake while able to provide medical assistance if needed.

== Gordon recommending \$200 stipend / donation at end of season for needed new equipment. Avail in budget.

- Green Lake / SWCD MPCA Section 319 Grant Status UPDATE and MOU Requirements.

- Grant Addresses water quality, mercury content, AIS, TP Loading, Watershed areas.
 - Stated a potential of getting Green Lake off MN Impaired Lake list in 10 years.
 - 2021 SWCD Summary on website

SWCD has multiple ACTIVITIES planned and happening:

- >> Identification of willing landowners to reduce nutrient flow into watershed
- >> Working with Isanti County on Ditch 16 and Ditch 23

GLID/SWCD MOU REQUIREMENTS :

+ GLID funding needed for stream monitoring as required:
2022: \$2789
2023: \$2789
2024: \$2789

+ \$333/year for "in-kind" matching funds.
GLID tracked and submitted \$5000 worth in 2021

- GLID required continued Green Lake water monitoring- done by our volunteers. ✓

TRIVIA: 1938 First record of Green Lake water level measurement
==Green Lake Volunteers, Pam with Corey Mortenson family along with Marissa & Alex Dahlin will be helping David Dancik with water samples for lab analysis and continued water clarity Secchi readings in 2022 as part of GLID Lake Improvement Plan activities.

== SWCD's Matthew to provide hands on training and documentation to volunteers.

> 2021 sample:

Sample set: 5

Date: 6/10/21

Time: 7:51pm

Lake: Green Lake

Depth at Sampling Site: 27ft

Secchi Disk Depth: 8ft 7in

Physical Appearance: Low Algae

Recreational Suitability: Good

Weather/Wind: Sunny / 0-5 mph

Water Temp: 85 degrees

Recent Weather: 2 weeks of 90+ days, no rain, inlets don't seem to be flowing so quality is pretty good considering

Note == 2021 Green Lake Secchi Average was 5.26 feet Compared to 30 year average of 5.9 feet with unknown degrees of error

== Green Lake has met the 1.4-meter or 4.6 ft Secchi deep lake standard in about 70% of the past 30 years years measured.

=== Green Lake is NOT on MN Impaired lake list due to Secchi criteria, but due to phosphorus levels

===="Green Lake is still considered impaired since TP and chlorophyll-a do concentrations do not currently meet State standards.

====TP concentrations for Green Lake have averaged 61 µg/L over the most recent 10-year period, which is above the 40 µg/L standard"

== Blue-Green Algae Alert: IF IN DOUBT, STAY OUT!

- Lake Shoreline Restoration Projects and costs PLUS Lake Stewardship Awareness

Use budgeted \$5K to encourage activities with 25% up max of \$1000 reimbursement of preapproved paid bill. Goal is 5. TWO IN PLAN

== 18 Lake Restorations Award signs given to lake owners that completed projects
== 20 more signs purchased using Section 319 Grant funds.

== GLID to participate with Minnesota Lakes and Rivers Lake Steward Program

++ GLID will provide data of 1600 linear feet or 1/3 mile of completed shorelines to MLR's 2 1/2 miles of data.

++ GLID already uses MLR information on website. Lake Restoration Score Your Shore with recommendations and criteria available.

https://www.greenlakemnid.com/uploads/8/0/0/1/80013388/score_your_shore_with_recommended_criteria.pdf

== Isanti Zoning working on updating Isanti Shoreline Zoning rules. Right now, limited authority. Few counties has same zoning code.

- Green Lake Improvement Plan updated for 2022 by SWCD

== Master plan and yearly plans updated on website

== GLID addressing all items within its control.

- 2023 GLID BUDGET.

== GLID reduced 2021 budget by -36% and 2021 budget by -17% due to DNR permit decisions and smart GLID Board actions ✓

- there are 180 lake properties on green lake.

== Maybe GLID will reduce 2023 tax levy by another -10% with Grants and other Funding. GLID using ALL AVAILABLE resources to improve Green Lak

