

1/25/22 GLID Mtg ^{Gandy} - Barbara, Ken, ^H Larry, ^{David} Del, ^m Sue, Dan H

9:00 call to order
special guest ^{ISWD} Todd
intro of board members + what do / roles

mention of people not present, Marissa + Alex
(wkly FB updates)

noms for new board members (no other nominees)

Alex + Marissa ^{tech sppt, visitor} Ken Murray, ^{clarity readings} second-G
motion - Ayes all

Jan Gerke ^{motion} secty Ken, G-second Ayes all

Sue Hage - takeshore restorations

handout -

Objectives

ⓐ: property w/ junk, abandoned vehicles
if have trash prob call zoning

person called zoning + DNR, no ^{action}
33184 Zenon Dr - RV sitting ^{pushed around} for
many yrs - sunk up to axles, oil
leaks into water in spring

Ken murray took photo, addr

Sharing info, cross talks

Spectacle Lk board member present
also on ICOLLA

ISWD - Todd Kulaf

addr situation of vehicle sitting --
maybe more receptive to neighbor

Stopping

319 Grant -

annual removal 2K lb phosphorus
per yr - 600 lb removed more
reasonable expectation

ⓑ - 1 lb phosphorus → algae (incl
bl-green algae)

Focus: not only area around lake,
also watershed further out
tackle all stuff in surrounding watersheds
before tackle lake itself

Ag. best practices -

partner w/ County - ditch 16 + 23
started doing outreach w/ some potential
projs, biggest bang for buck
outreach to build relationships + engagement
further out in watershed

control CLP + EWM w/ diquat
replace w/ natives

no Zebra mussels in Green Lake but
Spec has them

also Starry Stonewort

key is to clean, drain, dispose

education outreach person - Lydia

Near Shore Best Practices

1 done winter 2021/22 (south side)

2-3 others (one is Feldspar)

Stewardship Prog (match for grant)

Lake + In-stream monitoring

Secchi disc readings

Sue, Dave, ^{Maria} + Alex
involved

Q: comment on how much drought
helped last yr? lake seemed so
much better last yr

Todd: w/ all this yr's rain, algae blooms
will be more intense

G: measmts are for 2022 compared w/ prior
30 yr - Green Lake holding its own
phosphorus going down

Dave - last wk Secchi disc reading 61
So helping

Q: why so many dead fish washing up

G: reported to DNR, lot to do w/ fish
spawning, part of natural process

comment:
when weeds die, go to bottom & incr phosphorus

G: called internal loading, so need to remove
weeds from lake

Q - on a hill, no ability to get vehicle down
get out & put up on hill (by hand)

Q: do we (GLID) have a harvester? or
another lake that has a harvester/cutter?
they do it 2x/yr & hire someone to do
private enterprise has, under study

(Rick)
Q: clarity 70% over past 30 yr
has to do w/ weather

is it clearer than its ~~been~~

G: tell family trend is going in right direction

Sue Q: tiny green dots

Todd: algae

Dan: water less clear after busy w/e of
boating

Todd: native plants important to lake, use
some of nutrients, root in bottom of lake
keeps sediment from getting stirred out

Q: do we have bl-green algae right now?

Todd: difficult to tell if its bl-green

Sue: bl-green algae tends to sit on top weeds

G: very complex

comment: tends to show up in hot weather

§

Ken: thanks to Todd + SWCD for partnership

G: wouldn't be where we are now w/o SWCD

Larry: need to have lily pads, are they good?

Todd: yes, are good but don't go planting

Ken: good native weeds have been forced

^{out} by invasives

Tom + Lynn Comment: working w/DNR, are planting natives, Todd: along shorelines, fine

DNR grant:

Green Lake picked for 2 yr extension

\$15,000 grant

Larry: access is always full every day of week even late @ night, not little boats what's going on?

G: Green Lake is very popular fishing lake, contests, lots of use, can't limit lake as access is public

Isanti Rescue has agreed to patrol lake

Some visitors harassing

call the Sheriff, extra \$ to spt

Ken: last 2 yrs of COVID - record boat sales, i.e. more boats on lake

DNR - Christine Jurek, good partnership app'd lot of our requests

use of Diquat allowed since stocking occurs in fall, not in spring

(much less expensive than Aquathol)

treat highest congested areas - seems to be treating same areas, but that's why

What can lake owners do?

Lake Restoration - 45+ treatments

boat inspections

Grant from MN Pollution Control Agency
matching grant, no extra cost
will see in budget

Compost pile - no brush

Lake shoreline restoration proj's

Dan: working to create 15' shoreline buffer of
natural plants, no mowing to water's edge
5 2022 proj's, takes help to install

G: website has list of prior proj's & pictures

Dan: mother nature has been tough on us
with high winds

G: offer to pay 25% of restoration cost up to
\$1K reimbursed

Some buffers (50', or even 25' to help)

Sue ~~Hlage~~ - home was an orig proj (2016)
if anyone thinking of doing restoration,
it's been worth it, after 6 yrs mow
have stable shoreline, not thought of as
weeds but natives, sedges, etc w/ deep
roots, now have lots of flowers w/
butterflies & bees, amazing how

G: partnering w/ MN Lakes & Rivers on Lake
Steward prog - will recognize Sue
in budget \$ is set aside to help pay
for restoration up to 25% (\$1000 max)

Dave D comment - dealing w/ lot of muck
on one side of property, concrete
area holding willow-waddle from
restoration G: good example of if see
something, Sue: key is learning a lot

Todd: w/ bio engineering always reassess

with Green Lake, willow waddle
installations not as effective as maybe
Blue & Spec Lakes, one component of project
the installation behind is holding
G: if see something that doesn't look right
say something

Del Smith: areas near shore, ^{big wetlands} minister
Derrick Wotticheck is Wetland Specialist
his property (5 acres, 300' shore) -
Derrick walked wetland w/ him

Budget - Barbara Prince

protocol: 2021 Minutes - motion to

Ken - motion, Dan - second

bottom of 2nd column

\$69,622.59 deceiving - grants

last col - budget

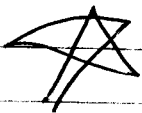
extra \$250
tax levy \$16,500

G: \$ in reserve have gotten grants, may not
Ken: Isanti: Cty handles all our \$ ^{be as lucky} _{in future}

Barb: \$10,000

G: working to do best can for lake who bring
Ken - motion to appl, Dan - second.

budget approved



Comment: boat parade, Sunday July 3-1pm
won last year so judge this year
judges SS Minnow

Ginny + Amy Cunningham

5x5 section of docks - floated up
belonged to another

Q: does Board have connections w/ Isanti
Zoning? - yes

built new home in 2019, was big
issue of not going over 25% of land
he approached someone + had all ^{gas} caps
on equipment removed

Isanti City Zoning is responsible
w/ building permits, inspections occur
but stuff done w/o permits so must say
something to bring to attention of those w/
authority & responsible, can put in contact w/
talks to City Commissioner, they are ^{DNR, PCA} ones
that put a little bite into laws have to
enforce

Todd: remember all new bldg going on past
3 years, new owners may not know
about 25%, staff of 4

Spec Lake has a CD3 machine - pilot test

suggestion: whenever bldg permit is taken out
~~of~~ on Green Lake, should incl reqmts
on bldg

Ken thanks Gordon

Ken motion to ~~ad~~ close mtg, Larry second
mtg adjourned 10:45

June 25, 2022 GLID Annual Meeting

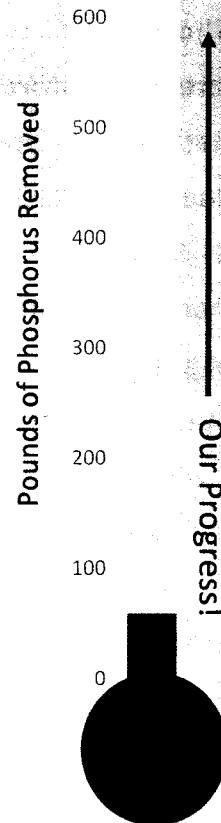
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Green Lake Restoration– SWCD Work Plan

2021 was the first year of this grant which has a long-term goal of removing Green Lake from the Impaired waters list. The long-term goal requires close to a 2,000-pound reduction in phosphorus (the nutrient that limits the amount of algae and aquatic plants). Data suggests that a 600-pound reduction of phosphorus from the drainage areas is practical. This is a lofty goal and there is not a single source of pollution to the lake; rather, it will take a consistent and persistent effort by many landowners. This effort will take time and careful planning. The short-term goal (2021 to 2023) is to remove ~145 pounds of phosphorus.

A large amount of the 2,000-pound reduction may need come from within the lake itself (internal recycling); however, treating the internal recycling of phosphorus is not recommended until we treat a significant portion of what is coming off the land.

Below are some highlights of what has been accomplished and what is planned to help meet reduction goals.



Agricultural Best Practices

- **In conduction with County ditch inspections-completed a multi-purpose drainage management plan for CD 16 and 23.** This plan identifies projects to be done in conjunction with ditch maintenance OR in lieu of ditch maintenance.

So far in 2022 we have completed 3 site visits on CD 23 (potential cover crops) and one on CD 16 (water and sediment control basin and livestock exclusion) and wetland restoration.

Discussed public waters wetland restorations along CD23 and 16 with DNR. They are on-board. Need to abandon portions of the ditch first.

Met with landowner along CD23– interested in wetland restoration along ditch. Will need to abandon portion of ditch first.

If you know any farmers in the drainage area let them know about the funding and potential projects!

- **1 wetland restoration on CD 16 to be installed winter 2022/2023**
- **160 acres of cover crops 2022– these are existing 3-year contracts**
- **Working on follow up site visits from Ag Lunch and Learn (see outreach below)**
- **SWCD focus at building relationships to get some of these projects installed!**

Green Lake Restoration– SWCD Work Plans

Outreach and Engagement

Near Shore:

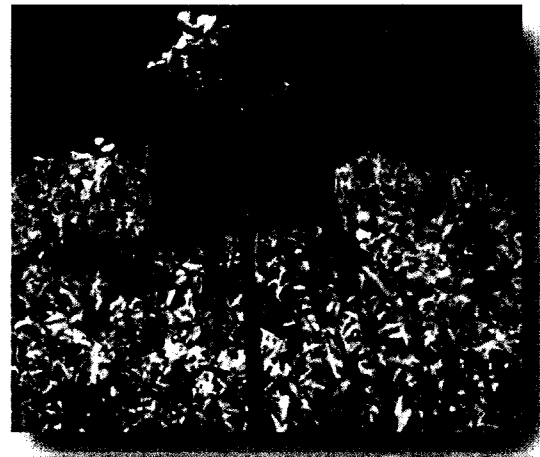
- **Shoreline Restoration 101** (planned for Blue Lake but invitation will be extended to Green)
- **Materials developed:** simple things anyone can do to reduce phosphorus
- **Signage for GLID projects**
- **AIS– Starry Trek, Early Detection Surveys**
- **If there are GLID priorities for outreach the SWCD can help with let us know!**

Rural/Agricultural:

- **Ag Lunch and Learn: March 2022**
- **Ditch meeting: June 15th, Cambridge Library**
- **Soil Health Field Day: Fall 2022**

All:

- **Social media, SWCD e-newsletters, news releases**



Near Shore Best Practices

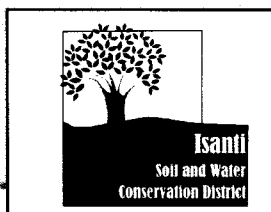
- **1 project installed winter 2021/2022**
- **3 additional projects under investigation (2 private landowners and Feldspar)**
- **GLID-Run Stewardship Program (provides match for grant)**

Aquatic Invasive Species Management

- **GLID run program-used for match.**

Lake and In-stream monitoring

- **Lake monitoring:** Coordinated by SWCD, sampled by GLID volunteer May-September 2022.
- **Stream:** as needed in CD 16 and 23 to determine projects



6/25/22

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
- Approve proposed 2023 GLID Budget

AGENDA/TOPICS:

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

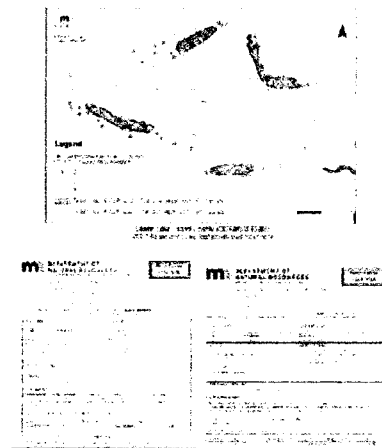
- +GLID new updated Facebook in place! Marissa Dahlin our GLID FB Ambassador.
- One GLID hardcopy newsletter sent out leveraging Lake Restoration mail.
- Two GLID emailchimps e-newsletters sent to 103 subscribers with 70% open rate.
- GLID website always being updated with new info- check it
- one paid 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
- Requires mandatory whole lake survey: mid May by AIS Services: approx \$800 > map
- DNR CLP permits 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:

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

Preserving Protecting Participating Our Green Lake for our enjoyment!
..Our children, grandchildren and great grandchildren will thank us.

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

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. ✓

==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.

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.

== 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.

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

- 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 Lake

A Green Lake Improvement District Budget	B		C		D		E		F		G	
	Approved Budget for Income/Expense		Actual Income/Expense		Approved Budget Income/Expense		Year-to-Date Actual Income/Expense		Remaining Income/Expense		Proposed Budget Income/Expense	
	Jan. 1, 2021	Dec. 31, 2021	Jan. 1, 2021	Dec. 31, 2021	Jan. 1, 2022	Dec. 31, 2022	Jan. 1, 2022	June 30, 2022	July 1, 2022	Dec. 31, 2022	Jan. 1, 2023	Dec. 31, 2023
Proposed budget for 2022-2023												
Proposed Budget												
1 Received:												
2 Balance Brought forward	44,963.48		58,407.13		55,272.68		69,622.59	69,622.59	69,622.59		50,833.59	
3 Tax Levy	24,300.00		24,273.65		18,300.00			18,300.00	18,300.00		16,500.00	
4 Insurance Dividends	600.00		599.00		550.00		250.00		550.00		550.00	
5 Donation from Princeton Lions Club Revenue from advertisements												
6 Total	69,863.48		83,279.78		74,122.68		69,872.59	69,872.59	88,472.59		67,883.59	
7 Disbursements:												
8 Legal Notice of Meetings	(200.00)		(107.85)		(200.00)				(200.00)		(200.00)	
9 Workmen's Comp. Insurance	(650.00)		(566.00)		(600.00)		(524.00)	(524.00)	0.00		(600.00)	
10 LID Liability Insurance	(1,700.00)		(1,711.00)		(1,720.00)		(1,786.00)	(1,786.00)	0.00		(1,800.00)	
11 Website and domain name	(110.00)				(120.00)		(153.90)	(153.90)	0.00		(200.00)	
12 Web Administrator	(500.00)				(500.00)				(500.00)		(200.00)	
13 Copying and Postage	(100.00)		(72.77)		(250.00)				(250.00)		(250.00)	
14 Contingency--Approved by Board Isanti County Rescue partnership	(500.00)				(500.00)		(50.00) *	(50.00) *	(200.00)		(500.00)	
16 Annual meeting refreshments					(50.00)						(200.00)	
17 Membership MN Lakes/River Advoc	(150.00)		(100.00)		(100.00)		(100.00)	(100.00)			(25.00)	
18 Membership in ICCOLA			(25.00)		(50.00)				(50.00)		(200.00)	
19 Signs for lake	(600.00)		(28.50)		(600.00)				(600.00)		(200.00)	
20 Lake testing required for grant (3 years)					(2,789.00)				(2,789.00)		(2,789.00)	
21 AIS Weed Control Treatment	(18,000.00)		(7,272.00)		(18,000.00)				(18,000.00)		(20,000.00)	
22 Annual AIS weed survey map	(1,200.00)		(788.00)		(800.00)				(800.00)		(1,200.00)	
23 Grant from MN DNR to spray AIS									8,850.00		6,300.00	
24 Milfoil treatment	(6,000.00)				(6,000.00)				(6,000.00)		(6,000.00)	
25 Lake shore restoration projects	(5,000.00)		(2,097.58)		(7,100.00) **				(7,100.00)		(5,000.00)	
26 Sargents refused to pay their part			(885.81)									
28 Maintain floodgates											(200.00)	
29 Lake Access AIS Inspection	(10,000.00)				(10,000.00)				(10,000.00)		(10,000.00)	
30 Total Expenditures	(44,710.00)		(13,657.19)		(49,379.00)		(2,863.90)	(2,863.90)	(37,639.00)		(42,864.00)	
31 Total Fund Balance	25,153.48		69,622.59		24,743.68		67,008.69	67,008.69	50,833.59		25,019.59	

* Additional membership fee to Minnesota Lakes and Rivers and agreement with ICR, approved by board at May meeting.

**Because of Covid, 2021 projects could not all be completed; these projects will be completed along with future projects.