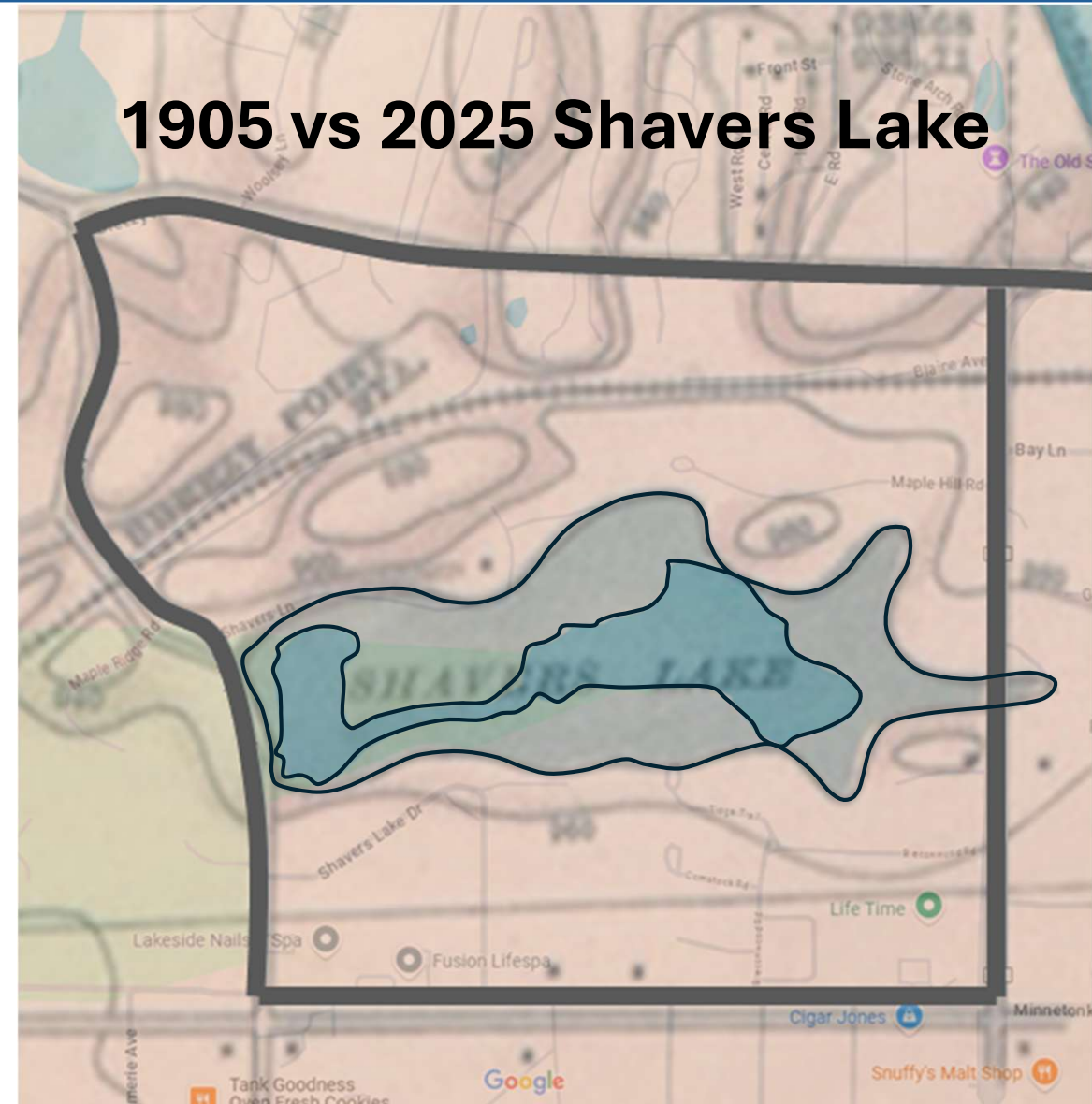




SLPA Meeting – 6/16/2025

- Introduction / History
- Overview of the Lake and Owners
- Current Status of the Lake
- Long Standing Issues with the Lake
- SLPA (2025-2030)
- Short Term / Long Term Solutions
- Restoration and Remediation Options
- Lake Treatment Costs
- Fundraising Plan
- 501(c)(3) Tax-Deductible Status
- Questions / Concerns
- Next Steps





Introduction / History

1961 – Deephaven began redirecting Stormwater into Shavers Lake

1962 – Residents began Weed Control efforts on Shavers Lake

1984 – SLPA was formed, Chemical Treatments began

1984 – 2015 SLPA was active treating Shavers Lake

- Lake Weed Control Treatments was the focus, which have continued thru to 2025
- State Legislation on Cattail Control and Removal Efforts
- Lobbying of DNR, MCWD, Cities of Minnetonka and Deephaven

2018 – SLPA went Inactive with MN Secretary of State

2025 – SLPA Registered as new non-profit entity in MN

Overview of Shavers Lake

Eutrophic Lake =
Excess Nutrients

27 Owners

5,400 - 6,500 feet of
lake shore

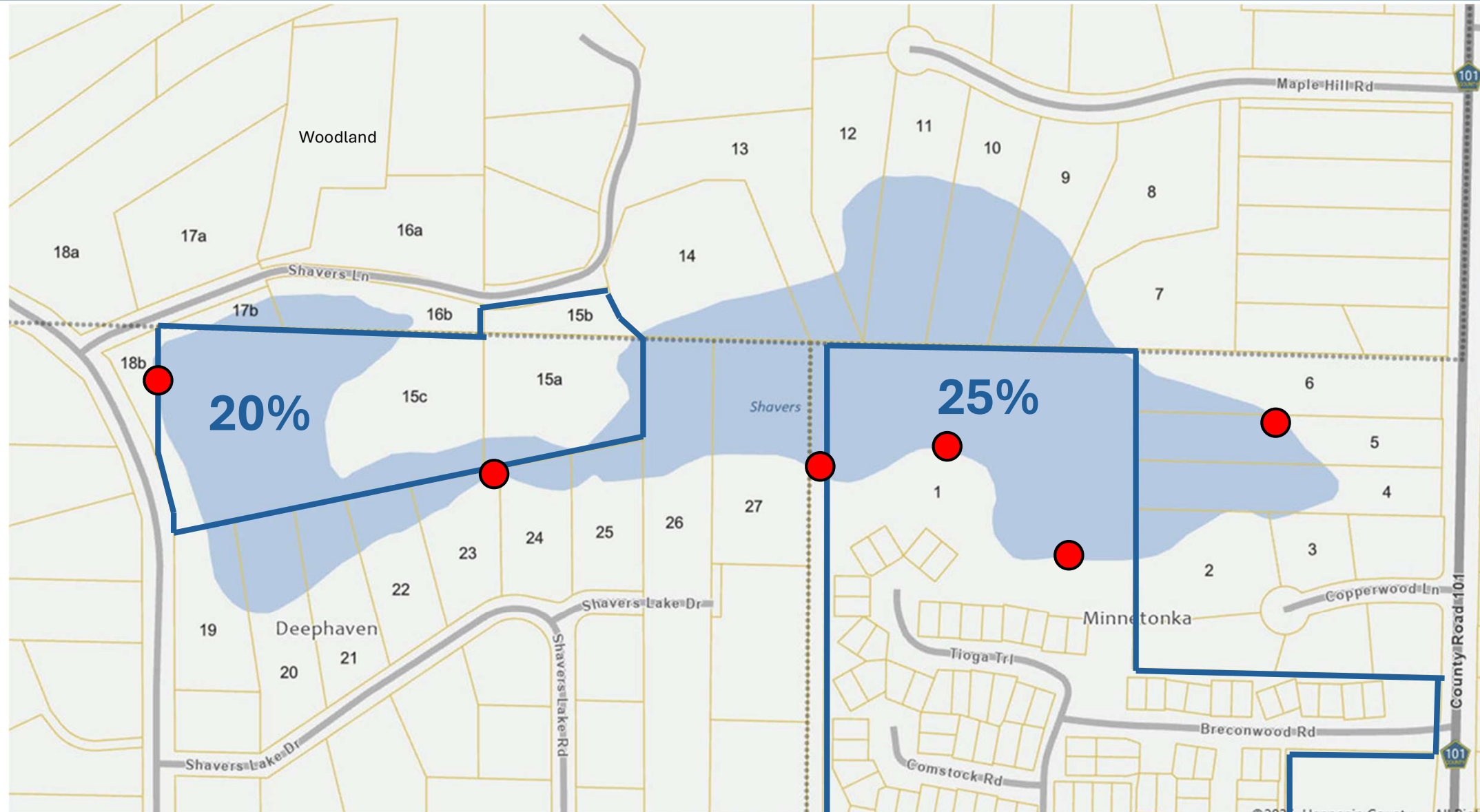
22 acres surface area

Classified by DNR as
“Public Waters”

Shavers Lake
Watershed (240 acres)
has one of the Highest
Total Phosphorus
Loading in MCWD

● 6 Stormwater Inlets
Minnetonka (4) and
Deephaven (2)

NO Outlets





Current Status of the Lake

Status:

Based on 2014 Muck Report by Lake Restoration

Deepest point in lake is **18 ft**, and Muck depth is **10 ft (55% of the lake volume is Muck)**

Muck samples composition is **40% organic, 60% inorganic, the Muck is 98% water**

Water Quality has not been checked by any Governing Agency since 2015

Shavers Lake fails (MPCA) Minnesota Pollution Control Agencies' goal for MN Lakes

Clean Water for fishing, boating, and swimming

Beyond the clean water and usability, Shavers Lake is **Unsafe**

Activities:

2025 beginning monitoring to establish baseline data for Muck and Water Quality

Aerator will be installed in West Lobe in summer of 2025

(Thank you to Jorgenson's on Shavers Lake Road)

Current Lake Maintenance is **treating invasive weeds** – costs \$8,000/yr, barely being met

Long Standing Issues

- Lake Weeds
- Cattails
- Milfoil
- Lilly pads
- Muck
- Poor Water Quality
- Unsafe Conditions
- Low Dissolved Oxygen
- Loss of Bass and Crappie population



Shavers Lake has just enrolled in MPCA Lake Monitoring Program - Lake clarity data 2 times/month May through September

Minnesota Pollution Control Agency (MPCA)

Why do we care about stormwater?





SLPA (2025 – 2030)

Shift SLPA efforts from
treating the problems, to resolving issues...

We must Change our Focus from
Weed and Invasive Species Control
to **Eliminating Excess Nutrients**,
returning it to a Safe and Usable Lake
for Fishing, Boating & Swimming.



Short Term Solution - Restoration

Stop the Flow of New Materials into the Lake

1) Residents

STOP organic matter from coming into lake

Increase Aeration to help boost dissolved oxygen

2) Inlet Treatments

STOP Phosphorus Loading at the Source

Phosphorus Binding - (at Inlets) & (in the lake)

Phosphorus Filtering - (at Inlets)

Restore Ecological Balance to the Lake

Muck Treatments

Reduce Organic matter in the Lake. We must **remove nutrients**. This will help to raise dissolved oxygen levels and curtails weed population, allowing for aquatic life to return

Various types of **Enzymes** can be added to lake to “eat” organic materials.

They come in Pellets, Sprays, Pods **(They can eliminate up to 6-12 inches of Muck per year)**



Long Term Solution - Remediation

Clean out all the Toxins in the Lake

Eliminate Muck

Phosphorus enters the lake through stormwater. It overloads the lake and supercharges the dissolved oxygen depletion. Phosphorus settles into the Muck **FOREVER**.

The only way to remove the Phosphorus and other toxins from the lake is:

- Mechanical Dredging
- Hydraulic Dredging



Lake Treatment Costs

	2025	2026	2027	2028	2029	2030
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Short Term - Stop the Flow of Materials and Restore Ecological Balance

Restoration	Weed Control Treatments	\$8,000	Weed Control Treatments	\$8,000	Weed Control Treatments	\$8,000	Weed Control Treatments	\$8,000	Weed Control Treatments	\$8,000
Annual Costs	Monitoring / Maintenance	\$3,000	Monitoring / Maintenance	\$7,000	Monitoring / Maintenance	\$2,000	Monitoring / Maintenance	\$2,000	Monitoring / Maintenance	\$2,000
	Resident Cleanups	TBD	Resident Cleanups	TBD	Resident Cleanups	TBD	Resident Cleanups	TBD	Resident Cleanups	TBD

Long Term – Reduce Muck Volume

Remediation	Muck Treatment	\$25,000	Muck Treatment	\$25,000
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Stop Phosphorous Loading

Annual Costs	Inlet Treatment	\$15,000	Inlet Maintenance	\$10,000	Inlet Maintenance	\$10,000
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Clean Toxins Out

DREDGING

Total Costs	\$36,000	\$40,000	\$50,000	\$45,000	\$45,000	TBD
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all \$ are estimates



Fundraising Plan

Residents & Community

Awareness Program (yard signs)

Local Business Involvement (website recognition)

Corporate Sponsors

thru 501c3 status (Matching Gift Programs)

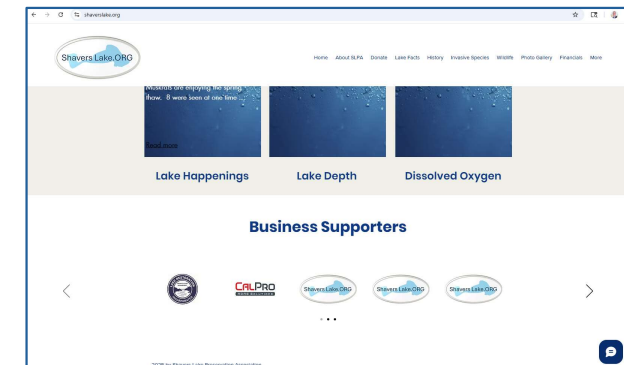
Corporate Foundations (with Environmental Focus)

Federal, State, and Local Grants (Freshwater Society)

Local Municipalities

Partnership with Woodland

DNR, MCWD, Minnetonka, and Deephaven



FRESHWATER



501(c)(3) Tax-Deductible Status

Lake Minnetonka Association is our Benchmark <https://www.lmassociation.org/>

Eric Evenson is the Executive Director and the former MCWD Administrator

Plan A

501c3 (ez) application

New SLPA Bylaws

New SLPA Articles of Incorporation

1 page 1023(ez) filing

Strategic Plan

Financial Plan

Letter of Determination from IRS in 10-12 weeks

Plan B

Freshwater Society Partnership

Sign agreement with Freshwater Society

Mutually agreed goals and objectives

Grant funding plan

Donations Portal with specific allocation
to Shavers Lake Preservation Association

Management Fees by Freshwater to Administer?



Questions / Next Steps

Success through **Involvement**, **Influence** and **Funding** to Achieve the Unachievable

Resident Involvement

Lake Monitoring Program to establish Benchmark Data

MPCA – Lake Monitoring Program

Commission - 2025 Muck Report

Lake Pulse – Water Quality / Muck Monitoring <https://www.lakepulse.co/>

Obtain 501c3 tax deductible Status

SLPA - new articles and bylaws

2030 Strategic Plan

2025-2030 Budgets

501c3 Application

Aerator Install in West Lobe

Owner “clean-up” days participation

Fundraising

Shavers Lake Watershed Involvement

Residents (the Power of 100's vs just 27)

Businesses

Grant Partnership with Freshwater Society

Summer Update Meeting

Status of 501c3

Freshwater Partnership Update

Clean-up Assessment