



Eagle Lake

2012 Eagle Lake Preservation Association Annual Meeting

May 17th, 2012

Eagle Lake

AGENDA

- Opening & Introductions
- Why we're here
- Budget & Grants
- Street Project
- Lake Quality & Maple Grove Lake Quality Commission
- Other lake organizations
- Social Events
- Committees
- Volunteers
- Election Nominations
- Announcements

Introductions

- President – Travis Theiss
- Vice President – Jennifer Tieva
- Secretary – Rebecca Fahrenbruch
- Treasurer – Travis Theiss
- Board Member – Larry McGough
- Board Member – John Garritsen
- Board Member – Jennifer Tieva
- Board Member – Bob & Sheri Lundstrom
- Board Member – Karen Karbo
- Web Admin – Roger Hamm

Eagle Lake

Why We're Here

- Advance and protect interest of Eagle Lake Community
- Community Education
- Evaluate, monitor and protect water quality
- Fish & wildlife management
- Partner with City of MG & Three Rivers Park District to improve lake water quality

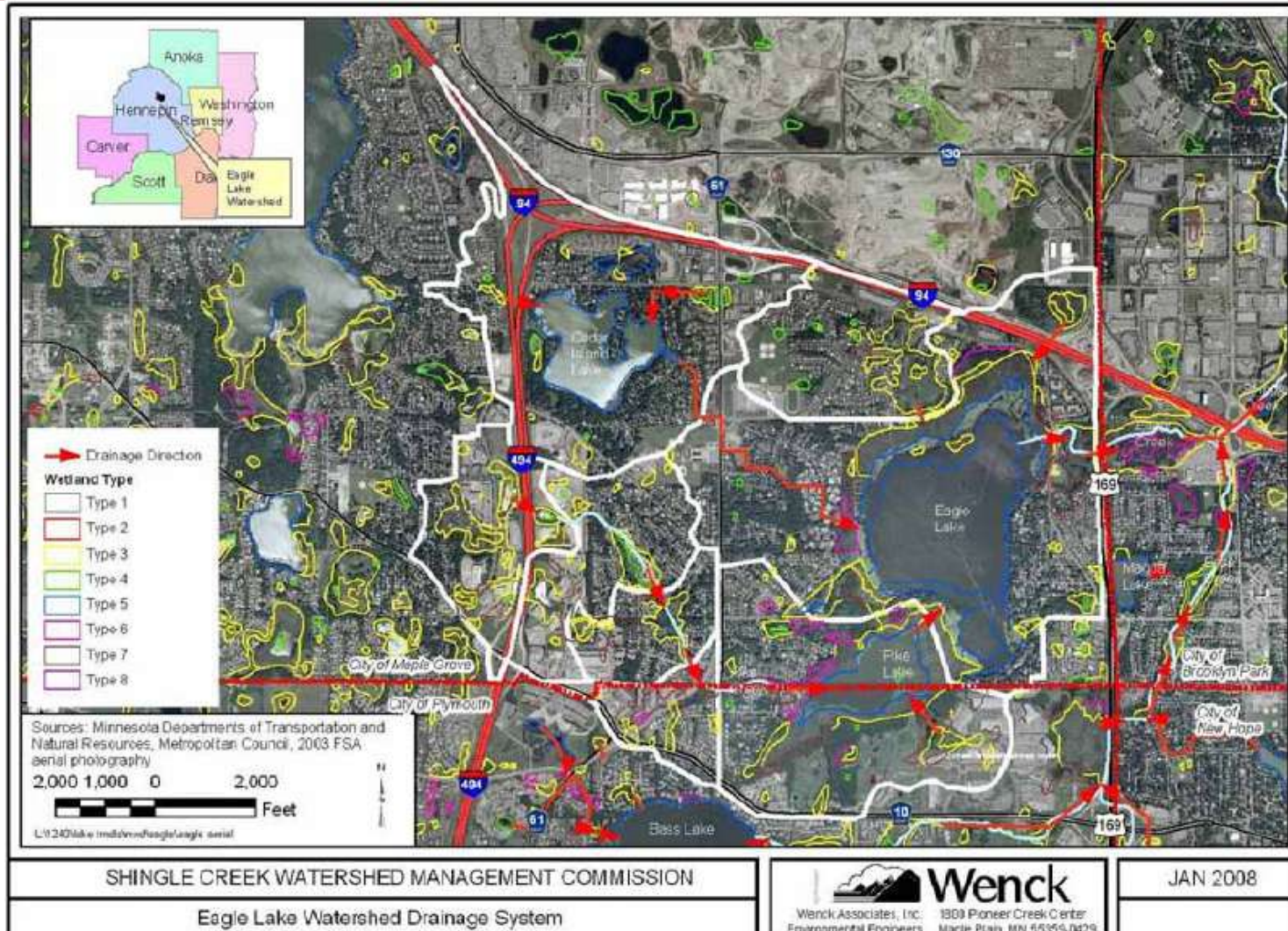
Eagle Lake

Why We're Here

- City is looking to lake associations for suggestions, funds, and resources to help improve their lakes
- There has been no over-arching organization coordinating all lake-related activities. We can help drive the **ACTIONS** as they happen for our lake

Eagle Lake

Why We're Here





James Johnson, owner of Maple Grove-based Freshwater Scientific Services LLC, keeps a close eye on Weaver Lake.

Weeding Out Problems

A local conservation group helps preserve Weaver Lake's quality of life.

TEN YEARS AGO, when Jack Germanson and his family moved into a home on the northeast side of Weaver Lake, the lake didn't live up to the "sky-blue waters" ideal Minnesotans have cherished for generations. Each summer, the lake became murky after being choked with spring weeds.

An invasive plant species, curly-leaf pond weed, would grow throughout the winter and out-compete the native plants. "By about Memorial Day each year, we'd have a blanket of weeds so thick you could just about walk on the water," Germanson recalls. "Then it would die off in mid- to late June and, because of the nutrients and [residue] left behind, we would have horrendous algae blooms."

In spring 2001, Germanson and his wife Nancy decided to join the Weaver Lake Conservation Association (WLCA), a homeowners' group dedicated to the lake's effort. Today, Weaver Lake is one of the clearest lakes in Maple Grove, with water clarity in the

range of 10 to 18 feet.

The transformation didn't happen by accident; it took several years, some trial and error, some scientific input and dedicated effort by a group of lake stewards—the WLCA members.

For a number of years, association members (about 80 percent of the approximately 100 Weaver Lake watershed homeowners) each paid \$200 per year to have the weeds cut and removed—about 100 harvestor-loads per year (approximately 1 ton).

"That helped, but it didn't seem that we were making a lot of progress, and we were spending 20 grand a year," says Germanson, now WLCA vice president. To find a solution, they enlisted the help of aquatic ecologist James Johnson, owner of Maple Grove-based Freshwater Scientific Services LLC. Based on Johnson's recommendation, the group started treating experimental test-plots in 2004, treating the entire lake for five straight summers. It seems to have worked.

June 2010 Maple
Grove Magazine

June 2010 Maple Grove Magazine

WLCA Events

As a part of its mission, the WLCA also hosts annual community events that mix socializing and education, such as the Take Your Kids Fishing event every July in conjunction with Maple Grove Days at Weaver Lake Park, which draws about 50 participants. Coming up this month, the WLCA hosts a Free Music in the Park event from 6 to 9 p.m. June 18 at Weaver Lake Park. Music starts at 7 p.m.; a potluck begins at 6:30 p.m. For more information on these events or about the WLCA, visit weaverlake.org.

The group now uses a herbicide called endothal, which only requires a couple of days contact time and is more effective at controlling the weed while also not knocking out native plants, like coon tail and elodna (sometimes called pond weed).

Johnson says the treatment has inhibited reproduction by the undesirable plants, although there are still some seed-like structures remaining in the lake sediment. "But each year it has been spreading less and less," he says. "After five years, we have concluded that you don't eradicate curly-leaf weed ... you still have to maintain the same level of pressure to keep it at bay. We're not going to treat the whole lake again; we're moving into a control phase."

Johnson credits the lake association for the steadfast control effort. "They are a great group, incredibly effective. They have found a really good balance between a focus on lake management and social activities," Johnson says, noting that the association formed a 501(c)(3) nonprofit corporation several years ago to qualify for state weed control funding.

The WLCA's mission extends beyond the 149-acre lake itself, to protecting the adjacent marshlands and parks. The group is seeking more membership from residents who live within the lake's watershed area. There are just fewer than 100 homes on the lake, but more than 700 homes within the surrounding watershed area, according to Germanann.

The lake's future now seems to be in good hands, but it will always need protectors. //

Enjoy our newly remodeled patio!




- Water feature
- Fire pit
- Kids play ground
- Trellised seating areas
- Volleyball
- Horseshoes
- And much more!!!

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State of the Lakes

The Value of Lakes to Maple Grove Residents

Maple Grove offers 12 lakes with recreational opportunities available to residents and local visitors. That's more than most neighboring cities, rivaling even the lakes of Minneapolis. Over 30 miles of trails around the lakes; two popular beaches; five fishing piers; and dozens of city, neighborhood and regional parks that all together provide many hours of sport, enjoyment and relaxation.

Many of our lakes are known for their fisheries and great angling opportunities—Weaver and Eagle lakes are regularly stocked with sports fish. Don't forget the state record green sunfish was caught in Maple Grove. Additionally several of the lakes are the sites for popular events such as the Maple Grove Triathlon, Polar Plunge, Rice Lake Classic Run, and Maple Grove Half Marathon.

The value of the Maple Grove lakes is not limited to those residing directly on the lakeshores. Living in Maple Grove offers you and your family easy access to participate in water activities such as boating, canoeing, fishing, skiing, swimming and anything else you could think of, on or around the water. The lakes in Maple Grove also offer a soothing, refreshing option to relax, catch a sunrise or soak in a quiet moonlight reflection. These lakes define the very personality of our city.



Calm sunset on Weaver Lake

Understanding Watersheds and Water Quality

A watershed, also known as a drainage basin, is the entire area of land and water that drain into an eventual singular body of water, such as a river or lake. Watersheds have large impacts on the bodies of water to which they eventually drain. A lake can be viewed as a reflection of its watershed.

Rainwater is one source of water for a lake, and runoff is hardly clean. As water flows over surfaces it picks up plenty of pollutants along the way... chemicals, excess nutrients, sediment, debris, garbage and the list goes on. These items can be harmful to the health of our lakes.

Degradation of water quality does not happen overnight, but occurs slowly as land use and land cover changes away from natural conditions, applying new pressures on lake water quality. Similar to the degradation process, mitigation will also take time. But small actions and proper management of the lakes can go a long way.

The water quality of Maple Grove lakes affects everyone owning property in the City. With good stewardship and proactive efforts we can protect these resources, ensure their benefits, and provide enjoyment for generations to come.

The goal of Lake Management for the City of Maple Grove is to improve water quality and protect resource values by implementing lake management plans. Such plans encourage natural buffer zones around lakes or require all runoff to be treated prior to direct discharge into lakes. The City conducts annual monitoring of Fish, Weaver, Rice, Edward, Cook, Eagle, Pike, Cedar Island and the three Arbor Lakes for a variety of parameters testing water clarity and quality.

The City also sponsors the Lake Quality Commission which serves in a resident advisory role to the City Council and also facilitates fish and aquatic plant surveys to understand the long-term trends within our lakes. There are numerous measures in which the City is currently engaged in protecting and improving the water quality of the lakes including communication with lake associations, local area watersheds and applicable government entities such as the Minnesota Pollution Control Agency and the Department of Natural Resources.



Beautiful scenery on creek side of Rice Lake

Here is a specific look as to how the individual lakes in Maple Grove are doing in regards to water quality and management.

Condition of Maple Grove Lakes

Fish Lake: Fish Lake is nearly 300 acres, over 60 feet deep and flows north into Rice Lake. A scenic lake, it is largely surrounded by natural and park land. The Timber Crest Forest Conservancy and Three River's Fish Lake Regional Park encompass the entire southern shoreline which is connected by trail system to Worden Park and several other city parks scattered around the lake. These parks contain over 12 miles of hiking, biking and walking trails—eventually connecting to the Medicine Lake Regional Trail to the south. Additionally these parks offer fishing piers, public boat access, dog off-leash area, swimming beach, volleyball courts, picnic areas and boat rentals. Fish Lake is good for catching panfish and is known to contain a solid largemouth bass population. It is also a popular place to troll for northern pike.



Summer day at the Fish Lake Regional Park beach

Though listed as impaired for excess nutrients, Fish Lake has relatively good water quality. It has water clarity that exceeds state standards and nutrient levels that have slowly been improving since 2008. Similar to many suburban lakes, Fish Lake still has its challenges. Invasive aquatic plants have previously

Eagle Lake

Budget

- Current balance: $\$5834.74 + \$640 = \$6474.74$
- 2012 Current Dues contribution: \$1520
- 2011 Dues contribution: \$1865
- 2010 Dues contribution: \$515
- Grant \$ (association contribution):
 - Total Grant \$14,770
 - ELPA contribution: \$5,000

Budget

- Where your dues go
 - 501.3c application - \$500
 - Tax deductible dues!
 - Can start to apply for government grants
 - Mailings/announcements
 - Grants
 - Optional projects
 - Fish survey - \$2700 quote
 - Iron Filings to treat entire lake (transportation costs)
 - Community discount of weed treatment?
 - Social Events – Fall Festival

Grants Approved 2012

- Boat Access Sign
 - Maple Grove Lake Improvement Program (LIP)
 - City \$987/ELPA \$329 (75% / 25%)
 - Enclosed sign to post educational and information items about Eagle/Pike Lake
- Educational Sessions
 - Shingle Creek Watershed Management Commission
 - \$400 for two sessions
 - Upcoming session schedule on Tues June 12th

Grants Approved 2012

- Lake Homeowners guide
 - LIP and Shingle Creek
 - \$375 (LIP)/ \$125 (ELPA) (75% / 25%)
 - \$500 Shingle Creek
 - Will include education on water quality, history and information about Eagle/Pike Lake and directory (separate document), plus more

Grants Approved 2012

- Iron Filings
 - LIP
 - \$10,000 Total; \$8,000 LIP / \$2,000 ELPA
 - Help decrease the spread of curly leaf weeds
 - Water studies to be completed in conjunction with Three Rivers

- Aquatic Plant Survey
 - LIP
 - \$2,200 LIP / \$500 ELPA
 - Three Rivers is doing for no charge
 - To be conducted in June 2012

Grants Approved 2012

- \$5000 Lake Protection Fund
 - LIP
 - \$2500 (LIP) / \$2500 (ELPA)
 - Homeowner Lake Improvement Projects
 - Shoreline buffering, rain gardens, erosion control, downspout retrofit and more
 - With prior approval, ELPA will pay for landscape design/consulting fees, labor or materials incurred with a limit of \$500 per resident

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Education Session – How to get Grant Money for your Property

- When: Tues June 12th, 7-8:30pm
- Where: Eagle Lake Community Building
- Speaker: Carolyn Dindorf, Vice President/Limnologist
Fortin Consulting, Inc.
- Topics:
 - Creating rain gardens and/or buffer zone of natural vegetation along the shoreline (plant list included)
 - Downspout retrofits (rerouting rooftop drainage to vegetated areas)
 - Sump pump retrofits (rerouting sump pumps that drain to vegetated areas)
 - Erosion control (fixing small erosion problems)
 - Driveway drains (installation of drains in driveways that allow the water to drain to vegetated areas or rain gardens)
 - Berms or other structures to direct runoff

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Lake Quality & MG Lake Quality Commission

- MG Lake Quality Commission recent activities
- Recap of \$\$ spent on lakes in Maple Grove

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Other Organizations

- MN Waters – Member
- West Metro Lake Alliance
 - AIS actions at state and now county level
- Shingle Creek Lake Association Summit
 - Not enough focus on the watershed as a whole
 - Each lake will be presenting their status and story in the upcoming months

Street Project

- December meeting with Al Hartmann
- Work started early May with 3 phases
 - 1. East of Magda Drive
 - 2. North of Thoresen Park
 - 3. South of Thoresen Park
- Four new storm drain installations - ecoStorm

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Social Events

- Family night on Eagle Lake 2012 – Mondays!
(with additional Thurs option in May/June)
- Fourth of July Boat Parade
- National Night Out
- Fall Festival for Eagle Lake at Thoresen Park
- Lake ice clean-up
- Eagle Lake Ice Out Plunge
- Other ideas

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Committees

- Water Quality
 - Meets about once a month
 - Iron Filing grant
 - Plant Survey grant (work with Blue Water Science)
 - Shoreline Buffering/improving water quality grant
 - Continue to look for new grant options or ways to improve Eagle/Pike Lake Water Quality

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Committees

- Education/Communication
 - Lake Homeowner's Guide Grant
 - Quarterly Newsletter
 - Lake access sign (installation and education/information maintenance)
 - Other education project for watershed
- Social
 - Plans annual events -- Fall Festival, Boat Parade, etc

Eagle Lake

Website Preview

Eagle-Lake.org

Announcements

▼ Eagle Lake Preservation Association

- Articles of Incorporation
- Bylaws
- ELPA Officers
- Web Content

▼ Committees

- Water Quality Committee
- Education Committee
- Communications Committee
- Social Committee

Calendar

▼ ELPA Public Files

- ELPA Photos
- Meeting Minutes

Links

Sitemap

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Eagle Lake Preservation Association

Eagle Lake is a metropolitan lake located in Maple Grove, MN. Just to our south, Pike Lake, is joined to Eagle Lake via stream and wetland area.



This is a site dedicated to the support and long-term well being of the lake and its surrounding community

Eagle Lake

Website Preview

Eagle-Lake.org

Search this site

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▼ Eagle Lake

Preservation Association

Articles of
Incorporation
Bylaws
ELPA Officers
Web Content

▼ Committees

Water Quality
Committee
Education
Committee
Communications
Committee
Social Committee

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ELPA Photos
Meeting Minutes

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Links

State/Federal Agencies

[City of Maple Grove Lake Quality Commission \(MGLQC\)](#)

[Other Maple Grove Lakes](#)

[Minnesota Department of Natural Resources](#)

[Lake Finder](#)

[Minnesota Pollution Control Agency \(MPCA\)](#)

[Minnesota Pollution Control Agency TMDL for Eagle Lake](#)

[Citizen Lake Monitoring Program \(CLMP\)](#)

[Shingle Creek Watershed Management Commission](#)

[Three Rivers Park District water management](#)

Other Organizations

[Checkmylake.org](#)

[Lake Access](#)

['Lakescaping for Wildlife and Water Quality' book](#)

[Minnesota Shoreland Management](#)

[Minnesota Waters Organization](#)

[Mississippi Headwaters Board](#)

[U of WI Water Resources Education](#)

[West Metro Water Alliance \(WMWA\)](#)

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- HF 2242

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Board Access

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Meeting Minutes

		110215ELPABoardMeeting.doc View Download	Minutes for February 15, 2011 ELPA Board Meeting	33k	v. 1	Apr 11, 2011 8:10 PM	Travis Theiss
		110412ELPABoardMeeting.doc View Download	Meeting minutes for April 12, 2011 ELPA Board Meeting.	31k	v. 1	Apr 17, 2011 10:43 PM	Travis Theiss
		110510ELPAAnnualMeeting.doc View Download	110510 ELPA Annual Meeting	28k	v. 1	Sep 11, 2011 9:32 PM	Travis Theiss
		110510_ELPA_Annual_meeting_minutes.doc View Download	110510 ELPA Annual meeting minutes	21k	v. 1	Sep 11, 2011 9:33 PM	Travis Theiss
		110608ELPABoardMeeting.doc View Download	110608 ELPA Board Meeting	31k	v. 1	Sep 11, 2011 9:34 PM	Travis Theiss
		110630ELPABoardMeeting.doc View Download	110630 ELPA Board Meeting	35k	v. 1	Sep 11, 2011 9:34 PM	Travis Theiss
		110728ELPABoardMeeting.doc View Download	110728 ELPA Board Meeting	42k	v. 1	Sep 11, 2011 9:35 PM	Travis Theiss
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		110922ELPABoardMeeting.doc View Download	110922 ELPA Board Meeting	40k	v. 1	Sep 22, 2011 9:31 PM	Travis Theiss
		111020ELPABoardMeeting.doc View Download	111020 ELPA Board Meeting	46k	v. 2	Nov 17, 2011 9:47 PM	Travis Theiss
		111117ELPABoardMeeting.doc View Download	111117 ELPA Board Meeting	52k	v. 2	Nov 17, 2011 9:47 PM	Travis Theiss
		120216 ELPA Board Meeting.doc	minutes from Feb 16 2012 ELPA board	42k	v. 2	Feb 17, 2012 3:43 PM	Roger Hamm

A banner image showing a sunset over a lake. The sky is a gradient of orange and red, with the sun low on the horizon. The water is dark and reflects the sky. The text 'Eagle Lake' is at the top and 'Other Concerns' is in the middle of the banner.

Eagle Lake

Other Concerns

Eagle Lake



General Discussion

- Ideas
- Water Restoration discount – weed removal

Formalities

- Election Nominations
- Committee sign-ups
 - Water Quality
 - Education/Communications
 - Social