



# Lake Quality Commission Agenda

## February 15, 2023



The Lake Quality Commission (LQC) meeting will commence at **6:30** pm at the Maple Grove Government Center, 12800 Arbor Lakes Parkway, Maple Grove, MN, 55369.

### ITEM

### ACTION REQUIRED

#### CALL TO ORDER

Call to order by Chairperson Fahrenbruch at 6:30 p.m.

#### BUSINESS ITEMS

##### 1. Introductions

Introduce commissioners and students; five minutes for public comment

##### 2. Approval of Minutes

Approve minutes from the January 18, 2023 LQC meeting

##### 3. LQC Work Plan

Approve 2023 LQC Work Plan

##### 4. Data/Ethics/Open Mtg. Law

Receive presentation from City Attorney Justin Templin on data and ethics practices and open meeting law

##### 5. Buckthorn Presentation

Receive presentation from Mary Parenteau and Tom Anderson on buckthorn removal

##### 6. Lake Improvement Program (LIP) Process

Receive update on lake improvement program process

##### 7. Area Reports

#### INFORMATIONAL ITEMS

#### FUTURE MEETINGS:

March 15, 2023

#### ADJOURNMENT

**MAPLE GROVE  
LAKE QUALITY COMMISSION  
DRAFT MINUTES  
January 18, 2023**

CALL TO ORDER      A meeting of the Lake Quality Commission (LQC) was held on January 18, 2023 in the Mayor’s Conference Room at the Maple Grove Government Center, 12800 Arbor Lakes Parkway, Maple Grove

Becky Fahrenbruch called the meeting to order at 6:32 p.m.

Commissioners Present:

Becky Fahrenbruch – Chair - Eagle Lake  
Brennon O’Callaghan – Fish Lake  
George Schneider – Rice Lake  
Nancy Bergstrand – Weaver Lake  
Steve Lane – Cedar Island Lake  
Sharon Martin-Kotula – Edward Lake

Commissioners Absent:

Joe Ruegsegger – At Large

Others Present:

Kristy Janigo, City Council Liaison  
Derek Asche, City of Maple Grove  
Mark Lahtinen, City of Maple Grove

OATH OF OFFICE      Oath of Office was provided to Commissioner Bergstrand by Councilmember Janigo.

AREA REPORTS      Rice Lake, George Schneider – Aerator is running. Birds have been present lately in the open water. Oxygen levels are low, likely due to snow cover.

Eagle Lake, Becky Fahrenbruch – Not many fish houses yet or snowmobiles due to poor ice conditions. Ice rinks are in poor shape.

Fish Lake, Brennon O’Callaghan – Not many fish houses yet but there are some snowmobiles. Ice is bad with slush.

Cedar Island, Steve Lane – Aerator is running and the ice is poor.

Edward Lake, Sharon Martin-Kotula – Aerator is running. The access ramp is an ongoing project. Has seen only one person fishing.

Weaver Lake, Nancy Bergstrand – Not much activity probably due to poor ice conditions.

Maple Grove staff, Mark Lahtinen – Fall lake readings confirmed low water levels. Average lake rise in the spring is 4-5” but goes up to 8-12” after a dry year. We will see what 2023 brings.

APPROVAL OF  
MINUTES

Minutes of the November 16, 2022 LQC meeting were presented.

**MOTION TO APPROVE made by Lane, second by Bergstrand. With all in favor the motion was APPROVED.**

ELECTION OF  
OFFICERS

Becky Fahrenbruch was nominated for Chair of the Lake Quality Commission.

**MOTION TO APPROVE made by O’Callaghan, second by Martin-Kotula. With all in favor the motion was APPROVED.**

Brennon O’Callaghan was nominated for Vice Chair of the Lake Quality Commission.

**MOTION TO APPROVE made by Lane, second by Bergstrand. With all in favor the motion was APPROVED.**

2023 WORK PLAN

Asche presented a draft 2023 work plan to LQC. Included in the draft plan were lake improvement program, ethics presentation, annual Municipal Separate Storm Sewer (MS4) meeting, water quality presentation from Blue Water Science and lake tours. After discussion, presentations on buckthorn, chloride, street sweeping, and the Elm Creek Watershed were added. In addition, it was proposed that tours of Rice, Weaver, and Cedar Island would occur in 2023. A final work plan will be brought to LQC in February.

MAPLE GROVE  
DAYS

This item was moved to April. No action was taken.

INFORMATIONAL  
ITEMS

Councilmember Janigo summarized recent discussion at the City Council regarding a petition received for a feasibility study for dredging a channel in the southwest portion of Eagle Lake. Councilmember Janigo noted the Council voted to receive the petition and has requested additional information from staff. Because the feasibility study as proposed could apply to other lakes in Maple Grove it raises the larger question of city policy related to channel dredging.

Asche updated LQC that two water quality ponds were planned for dredging during the winter of 2022-2023 and that work would start soon. The Garland Lane Flood Protection and Drainage Improvement project is underway and will likely be completed in a few weeks. Also, Asche has been appointed to the advisory board of the Minnesota Stormwater Research Council. This body promotes stormwater research and works to fill existing gaps in storm water management science. Asche hopes this work will inform future stormwater management decisions in Maple Grove and prove beneficial to our residents.

FUTURE  
MEETING:

February 15, 2023

ADJOURNMENT Meeting adjourned at 7:48 pm.



## LAKE QUALITY COMMISSION STAFF REPORT

**TO:** Lake Quality Commission (LQC)  
**FROM:** Derek Asche, Water Resources Engineer  
**DATE:** February 7, 2023  
**SUBJECT:** FINAL 2023 WORK PLAN

In January of each year, the LQC prepares a draft work plan outlining the topics and subjects for consideration over the course of the year. Historically, the LQC has included Lake Improvement Program (LIP) applications, the required Maple Grove Municipal Separate Storm Sewer (MS4) Annual Meeting, and lake tours in the work program. Additionally, topics of interest, projects, guest speakers, and/or environmentally relevant issues have been included as well. In February, the LQC finalizes the work plan. A final work plan based on discussion in January 2023 is provided as Table 1.

Table 1. FINAL 2022 LAKE QUALITY COMMISSION WORK PLAN

February	Buckthorn LIP Process Data and Ethics Practices, Open Meeting Law Training
March	LIP Review and Approval LQC Organization and Mission
April	NPDES MS4 Annual Meeting and presentation Maple Grove Days discussion
May	Steve McComas Lake Monitoring Report
June	Rice Lake Tour
July	No Meeting – Maple Grove Days
August	Weaver Lake Tour
September	Cedar Island Tour
October	Chloride Presentation
November	Street Sweeping Presentation Elm Creek Watershed Update
December	Winter/Holiday Gathering

**RECOMMENDATION:** I recommend the LQC approve their final 2023 Work Plan.



## LAKE QUALITY COMMISSION STAFF REPORT

**TO:** Lake Quality Commission (LQC)  
**FROM:** Derek Asche, Water Resources Engineer  
**DATE:** February 7, 2023  
**SUBJECT:** Lake Improvement Program (LIP) Process

The LQC annually reviews, and makes recommendations to the City Council, funding for projects that improve the water quality in our local lakes. Project proposers should consider existing data and studies, such as sub-watershed assessments as the basis for funding requests. At a minimum, these projects are typically a partnership between lake associations and the city, but can also include other partners such as watershed management organizations, Hennepin County, the Three Rivers Park District, and possibly others.

Funding for water quality monitoring and individual water quality improvement projects (<\$750) is included with the LIP but does not require partnerships or a funding match from lake associations. Staff has developed guidance for funding amounts (attached).

**RECOMMENDATION:** None.

Attachment: Staff Guidance on Funding  
Lake Improvement Application Form  
Individual Water Quality Improvement Project Application Form



## LAKE QUALITY COMMISSION STAFF REPORT

### Staff Guidance on Funding

<u>Category of Project</u>	<u>Lake Association Investment</u>	<u>City LOC Investment</u>
<u>Internal Phosphorus Sequestering</u>		
Alum/Phoslock treatments or similar	20.00	80.00
<u>Aquatic Vegetation Management</u>		
Invasive species Management - Curlyleaf/EMW	30.00	70.00
Native Plantings (shoreline restorations, etc...)	30.00	70.00
Algae Reduction Control	30.00	70.00
Boat Launch Inspections/Cleaning Stations (CD3)	30.00	70.00
Dye Treatments	30.00	70.00
<u>Fish Management</u>		
Carp Removal	40.00	60.00
Fish Stocking	40.00	60.00
<u>Miscellaneous Activities</u>		
Boat Launch Upgrades	50.00	50.00
Consulting/Monitoring Services	50.00	50.00
Aeration	50.00	50.00
Adopt-a-Drain	0.00	100.00
Individual Water Quality Improvement Projects	Case by case	Case by Case



**MAPLE GROVE LAKE IMPROVEMENT PROGRAM  
APPLICATION FORM**



**DUE FEBRUARY 28<sup>th</sup>, 2023**

**PROJECT NAME** \_\_\_\_\_

**DATE** \_\_\_\_\_

Lake \_\_\_\_\_

Organization \_\_\_\_\_

Contact Person \_\_\_\_\_ Telephone (H) \_\_\_\_\_

Address: \_\_\_\_\_ (W) \_\_\_\_\_

Contractor/Applicator \_\_\_\_\_

Address \_\_\_\_\_

Telephone \_\_\_\_\_

**Project Description**

Scope of Work (including description of lake area, size of area and expected longevity of project enhancements)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Meets Objective of  
Management Plan?**

	<u>Yes</u>	<u>No</u>
1. Shoreline Buffer	<input type="checkbox"/>	<input type="checkbox"/>
2. Watershed Clean-Up	<input type="checkbox"/>	<input type="checkbox"/>
3. Aquatic Plant Control	<input type="checkbox"/>	<input type="checkbox"/>
4. Water Quality	<input type="checkbox"/>	<input type="checkbox"/>
5. Public Education	<input type="checkbox"/>	<input type="checkbox"/>
6. Fisheries	<input type="checkbox"/>	<input type="checkbox"/>
7. Recreational	<input type="checkbox"/>	<input type="checkbox"/>
8. Algae Control	<input type="checkbox"/>	<input type="checkbox"/>
9. Other _____	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>



For Copper Sulfate treatments, secchi disc readings for water quality, must be taken for one week prior to and after treatment.

	<u>Readings Before</u>	<u>Readings After</u>
Date _____	_____	Date _____
Date _____	_____	Date _____

**Project Cost**

Project Cost \$ \_\_\_\_\_  
(Attach copy of invoices and permits)

Association Funding \$ \_\_\_\_\_

Other Funding \$ \_\_\_\_\_

Amount of City Funding Requested \$ \_\_\_\_\_

Description of Association in-kind labor and materials: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**I declare the stated costs are an accurate reflection of estimated costs to be incurred.**

\_\_\_\_\_  
**Organization Representative**

\_\_\_\_\_  
**Date**

