



Lake Quality Commission Agenda

February 16, 2022



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; 5 minutes for public comment
2. Oaths of Office	Councilmember Jaeger will give oaths of office to Steve Lane and Sharon Martin-Kotula
3. Area Reports	
4. Approval of Minutes	1) Approve minutes from the November 17, 2021 LQC meeting 2) Approve minutes from the January 19, 2022 LQC meeting
5. Election of Officers	Nominations of Commissioners and action will be taken on the positions of Chair and Vice Chair of the Lake Quality Commission for 2022.
6. Shingle Creek Watershed 4th Generation Plan	Representative(s) from the Shingle Creek Watershed/Stantec Consulting will discuss their upcoming watershed management plan update process.
7. 2022 Work Plan	Approve the 2022 LQC Work Plan.
8. Lake Improvement Program	Update on the Lake Improvement Program process and due dates for funding requests.
INFORMATIONAL ITEMS	
FUTURE MEETINGS:	March 16, 2022
ADJOURNMENT	

**MAPLE GROVE
LAKE QUALITY COMMISSION
DRAFT MINUTES
November 17, 2021**

CALL TO ORDER A meeting of the Lake Quality Commission was held on November 17, 2021 via Webex. Becky Fahrenbruch called the meeting to order at 6:30 p.m.

Commissioners Present:

Becky Fahrenbruch – Chair - Eagle Lake
George Schneider – Rice Lake
Joe Randall – Fish Lake
Joe Ruegsegger – At Large
Sharon Martin-Kotula – Edward Lake
Steve Lane – Cedar Island Lake

Commissioners Absent:

Ben Zaker – At Large
Guarav Uppal – At Large
Nancy Bergstrand – Weaver Lake

Others Present:

City Council Member LQC Liaison Karen Jaeger
Derek Asche, City of Maple Grove
Mark Lahtinen, City of Maple Grove

APPROVAL OF MINUTES Minutes of the October 20, 2021 meeting of the Lake Quality Commission was reviewed for accuracy.

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

AREA REPORTS Rice Lake, George Schneider – The drawdown has Rice about 5.5 feet down. Lots of seagulls. Implanted carp tracking devices have died. New decoys have been set in place.

Eagle Lake, Becky Fahrenbruch – Mainly quiet on Eagle lake. A couple of fishermen.

Fish Lake, Joe Randall – Still people water skiing.

At-Large - Joe Ruegsegger – Daughter had a strong performance in a recent wake boarding competition and won an event.

Edward Lake – Sharon Martin-Kotula – Lots of ducks and geese still present on the water.

Cedar Island Lake, Steve Lane – Water levels remain low.

Derek Asche, Maple Grove staff – Reminded LQC members to submit reimbursement requests by December 31.

Karen Jaeger, City Council – Noted eagles and seagulls still present on Rice.

LQC STATEMENT
OF GOALS &
PURPOSE

The revised LQC Statement of Goals and Purpose was reviewed based on comments in October.

MOTION TO APPROVE made by Randall, second by Ruegsegger. With all in favor the motion was APPROVED.

Wetland Systems
District

Asche reviewed the Wetland Systems District and its purpose to protect wetlands in compliance with State law. Asche noted that the Wetland Systems District pre-dates State Wetland Conservation Act law and requires updates to remain consistent with State law and watershed requirements. Proposed revisions include referencing existing State law as well updated buffer standards for conformance with watershed requirements. No comments were received from LQC.

MOTION TO APPROVE made by Schneider, second by Martin-Kotula. With all in favor the motion was APPROVED.

INFORMATION
ITEMS

Asche noted that beginning in 2022 meetings are likely to be in-person.

Joe Randall indicated he will not seek reappointment after his term expires in December, 2021.

FUTURE
MEETING:

December 14, 2022

ADJOURNMENT

MOTION TO ADJOURN by Randall, second by Martin-Kotula. With all in favor the motion was APPROVED. 7:57 p.m.

**MAPLE GROVE
LAKE QUALITY COMMISSION
DRAFT MINUTES
January 19, 2022**

- CALL TO ORDER A meeting of the Lake Quality Commission (LQC) was held on January 19, 2022 in the Mayor’s Conference at the Maple Grove Government Center, 12800 Arbor Lakes Parkway, Maple Grove
- Becky Fahrenbruch called the meeting to order at 6:34 p.m.
- Commissioners Present:
Becky Fahrenbruch – Chair - Eagle Lake
George Schneider – Rice Lake
Brennon O’Callaghan – Fish Lake
- Commissioners Absent:
Ben Zaker – At Large
Nancy Bergstrand – Weaver Lake
Joe Ruegsegger – At Large
Sharon Martin-Kotula – Edward Lake
Steve Lane – Cedar Island Lake
- Others Present:
City Council Member LQC Liaison Karen Jaeger
Derek Asche, City of Maple Grove
Mark Lahtinen, City of Maple Grove
- APPROVAL OF MINUTES Minutes of the November 17, 2021 LQC meeting were not approved as there was no quorum for this meeting.
- AREA REPORTS Rice Lake, George Schneider – The aerator is on and working.
- Eagle Lake, Becky Fahrenbruch – Has seen the first vehicle on the lake. There are many ice fisherman and hockey rinks. The annual winter festival is scheduled for February 26, 2022.
- Fish Lake, Brennon O’Callaghan – A trail has been plowed around Fish Lake.
- OATHS OF OFFICE Derek Asche gave the oaths of office to Becky Fahrenbruch and new LQC member Brennon O’Callaghan

2022 WORK PLAN Asche reminded the LQC of the need for the annual work plan. A draft work plan was provided in the LQC packet. The following work was drafted based on discussion and will be brought back to the LQC in February for approval.

February	Lake Improvement Program & Steve McComas Monitoring Report
March	Lake Improvement Program review and approval
April	Shingle Creek 4 th Generation Plan & Shingle Creek TMDL Updates
May	Shingle Creek 4 th Generation Plan & Elm Creek TMDL Updates
June	Edward Lake Tour (or walking tour)
July	No Meeting – Maple Grove Days
August	Fish Lake Tour
September	Eagle Lake Tour
October	NPDES MS4 Annual Meeting & Fish Lake Alum Presentation
November	Fish/Rice Carp Removal Project
December	Winter/Holiday Gathering

INFORMATION ITEMS Becky Fahrenbruch requested an opportunity to write lake and or water quality articles for the Maple Grove quarterly newsletter.

Brennon O’Callaghan requested information on the dredging of the Fish Lake channel on the west side of the lake. Lahtinen indicated he would reach out to Public Works for the status.

FUTURE MEETING: February 16, 2022

ADJOURNMENT Meeting adjourned at 7:22pm.



LAKE QUALITY COMMISSION STAFF REPORT

TO: Lake Quality Commission (LQC)

FROM: Derek Asche, Water Resources Engineer

DATE: February 9, 2022

SUBJECT: Shingle Creek/West Mississippi 4th Generation Plan Update

The Shingle Creek and West Mississippi Watershed are beginning the projects of updating their watershed plans. These plans are updated every 10 years and as a part of the public engagement process, representative(s) from the watershed will be in attendance to explain the process and take feed back from the LQC. This will be the first of two meetings with representatives from the watersheds.

RECOMMENDATION: None.



LAKE QUALITY COMMISSION STAFF REPORT

TO: Lake Quality Commission (LQC)
FROM: Derek Asche, Water Resources Engineer
DATE: February 1, 2022
SUBJECT: 2022 WORK PLAN

In January of each year, the LQC prepares a 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. The 2022 work plan is provided as Table 1 based on discussion from the January 2022 meeting.

Table 1. DRAFT 2022 LAKE QUALITY COMMISSION WORK PLAN

February	Work Plan, Shingle Creek 4 th Generation Plan & LIP Process
March	LIP Review and Approval
April	Steve McComas Lake Monitoring Report
May	Shingle Creek 4 th Generation Plan & Shingle/Elm Creek TMDL Updates
June	Edward Lake Tour
July	No Meeting – Maple Grove Days
August	Fish Lake Tour
September	Eagle Lake Tour
October	NPDES MS4 Annual Meeting & Fish Lake Alum presentations
November	Fish/Rice Carp Removal Report and Presentation
December	Winter/Holiday Gathering

RECOMMENDATION: I recommend the LQC approve 2022 Work Plan.



LAKE QUALITY COMMISSION STAFF REPORT

TO: Lake Quality Commission (LQC)

FROM: Derek Asche, Water Resources Engineer

DATE: February 7, 2022

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 28th, 2022

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

