



# Lake Quality Commission Agenda

## February 17, 2021

### WebEx



The Lake Quality Commission (LQC) meeting will commence at **6:30** pm via WebEx. To join the meeting:

**Meeting link:**

<https://logis.webex.com/logis/j.php?MTID=m19c82854ee774af653372ee0a98b32ef>

Meeting number: 177 450 3734

Password: Np4M6fKDQG2

Host key: 660679

**More ways to join:**

Join by phone

+1-312-535-8110 United States Toll (Chicago)

+1-415-655-0001 US Toll

Access code: 177 450 3734

<b>ITEM</b>	<b>ACTION REQUIRED</b>
<b>CALL TO ORDER</b>	Call to order by Chairperson Fahrenbruch at 6:30 p.m.
<b>BUSINESS ITEMS</b>	
<b>1. Introductions</b>	Introduce commissioners and students; 5 minutes for public comment
<b>2. Approval of Minutes</b>	Approve minutes from the January 20 <sup>th</sup> , 2021 LQC meeting
<b>3. Area Reports</b>	
<b>4. 2021 Work Plan</b>	Approve the final 2021 LQC Work Plan.
<b>5. Lake Improvement Program</b>	Lake Improvement Program process discussion
<b>6. 2020 Lake Water Quality Monitoring Report</b>	Receive presentation on the 2020 Lake Water Quality Monitoring Program.
<b>INFORMATIONAL ITEMS</b>	
<b>FUTURE MEETINGS:</b>	March 17, 2021 – Lake Improvement Program review and approval
<b>ADJOURNMENT</b>	

**MAPLE GROVE  
LAKE QUALITY COMMISSION  
DRAFT MINUTES  
JANUARY 20, 2020**

CALL TO ORDER      A meeting of the Lake Quality Commission was held on January 20, 2021 via Webex. Becky Fahrenbruch called the meeting to order at 6:33 p.m.

Commissioners Present:

Becky Fahrenbruch – Chair - Eagle Lake  
George Schneider – Rice Lake  
Steve Lane – Cedar Island Lake  
Nancy Bergstrand – Weaver Lake  
Sharon Martin-Kotula – Edward Lake  
Ben Zaker – At-Large.

Commissioners Absent:

Joe Randall – Fish Lake.

Others Present:

City Council Member LQC Liaison Karen Jaeger  
Derek Asche  
Mark Lahtinen

APPROVAL OF MINUTES      Minutes of the December 16, 2020 meeting of the Lake Quality Commission were reviewed for accuracy.

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

AREA REPORTS      Weaver Lake, Nancy Bergstrand – Fish houses on the lake. An ice carousel was built when the ice was clear. Not much truck traffic.

Rice Lake, George Schneider – Portable fish houses on lake and about a dozen skating rinks. Aerator operating.

Eagle Lake, Becky Fahrenbruch – Busy, no vehicles lots of fishing and skating rinks.

Edward Lake, Sharon Martin-Kotula – Cross country skiing and skating rinks. Some fishing. About 12 inches of ice on the east side. Aerator is operating.

Cedar Island Lake, Steve Lane – The aerator began operation on Cedar Island on January 9, 2021. Some ice fishing. Skating path all around the lake.

At Large, Ben Zaker – Nothing to report.

Karen Jaeger, City Council – Too icy to walk on the lake.

SWEARING IN OF COMMISSIONERS Council Member Karen Jaeger swore in Commissioners George Schneider and Ben Zaker. Their terms extend to December 31, 2023.

ELECTION OF OFFICERS **MOTION TO NOMINATE Becky Fahrenbruch as Chair made by Schneider, second by Martin-Kotula. With all in favor the motion was APPROVED.**

**MOTION TO NOMINATE Joe Randall as Vice-Chair made by Schneider, second by Martin-Kotula. With all in favor the motion was APPROVED.**

2021 DRAFT WORK PLAN Asche presented the draft work plan for review by the Commission. After discussion the plan is as follows:

February	LIP Process and Lake Monitoring Report/Presentation
March	LIP Review and Approval
April	NPDES MS4 Annual Meeting and presentation
May	Chloride Presentation
June	Rice Lake Tour
July	No Meeting – Maple Grove Days
August	Weaver Lake Tour
September	Cedar Island Lake Tour
October	Lake Quality Commission Mission Statement Review and Comment
November	Fish/Rice Carp Removal & Fish Lake Alum Presentations
December	Winter/Holiday Gathering

Asche will bring the final plan back to LQC for approval in February.

FUTURE MEETING: ADJOURNMENT February 17, 2021 **MOTION TO ADJOURN by Martin-Kotula, second by Lane. With all in favor the motion was APPROVED. 7:21p.m.**



## LAKE QUALITY COMMISSION STAFF REPORT

**TO:** Lake Quality Commission (LQC)

**FROM:** Derek Asche, Water Resources Engineer

**DATE:** January 13, 2021

**SUBJECT:** FINAL 2021 WORK PLAN

In January, the LQC drafted a 2021 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 FINAL work plan based on discussions from January is provided in Table 1.

Table 1. FINAL 2021 LAKE QUALITY COMMISSION WORK PLAN

February	LIP Process and Lake Monitoring Report/Presentation
March	LIP Review and Approval
April	NPDES MS4 Annual Meeting and presentation
May	Chloride Presentation
June	Rice Lake Tour
July	No Meeting – Maple Grove Days
August	Weaver Lake Tour
September	Cedar Island Lake Tour
October	Lake Quality Commission Mission Statement Review and Comment
November	Fish/Rice Carp Removal & Fish Lake Alum Presentations
December	Winter/Holiday Gathering

**RECOMMENDATION:** I recommend the LQC approve their final 2021 Work Plan.



## LAKE QUALITY COMMISSION STAFF REPORT

**TO:** Lake Quality Commission (LQC)  
**FROM:** Derek Asche, Water Resources Engineer  
**DATE:** February 8, 2021  
**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 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. Final funding requests to the City Council is at the discretion of the LQC, however, staff has developed the following guidance:

**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>, 2021**

**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**







## LAKE QUALITY COMMISSION STAFF REPORT

**TO:** Lake Quality Commission (LQC)  
**FROM:** Derek Asche, Water Resources Engineer  
**DATE:** February 8, 2021  
**SUBJECT:** 2020 Lakes Water Quality Report

The 2020 Lakes Water Quality Report includes information on total phosphorus, secchi disc readings, chlorophyll a, *Eurasian watermilfoil*, and more on lakes in the City of Maple Grove.

Steve McComas of Blue Water Science, LLC will be in attendance and will present his findings to the Lake Quality Commission.

**RECOMMENDATION:** I recommend the LQC receive the 2020 Lakes Water Quality Report and presentation from Blue Water Science, LLC.