



KORONIS LAKE ASSOCIATION

Box 333 • Paynesville, MN 56362

*"An association formed to
promote the protection
and improvement
of Lake Koronis".*

Spring 2021

Friends and the Community of Lake Koronis,

As we began writing our annual membership letter to you the world of COVID we are seeing "life" again. What we thought would be a short pandemic has changed us all in so many and different ways. The summer at the Lake was active and energetic, families and friends gathered outdoors, enjoyed the water, bonfires and fireworks galore.

We have had patience and hope over the last year and we thank all of you. The bright spot is that because of the warm weather we experienced in March, the ice is out and we will be able to enjoy the new season of beauty and peacefulness that Lake Koronis has to offer.

KLA is about the love for the lake, community involvement, people and the leadership roles they are willing to take on. The KLA board is currently working hard to meet the needs and challenges of Lake Koronis for 2021 and beyond. Much of what we have been working on will be outlined in the newsletter.

It is the time of the year that we begin requesting and the collecting annual KLA association dues. Your neighbors, family, surrounding communities and all who love Lake Koronis need and appreciate your financial support! Your KLA membership will allow continued work on highly needed water quality, erosion/shore- line restoration projects, community involvement and Aquatic Invasive Species (AIS). And, of course, the 4th of July (this year Saturday, July 3) Fireworks show. We have highlighted some of our primary projects and their plans.

Please complete the enclosed KLA Membership form. We want to learn more about our lake family and continue to create ways to get to know each other. KLA will not, in any circumstances, share your information with other individuals or organizations without your permission, including public organizations, corporations or individuals. KLA does not sell, communicate or divulge your information to any mailing lists.

More than ever your membership is crucial to protecting, enhancing and restoring our lake and strengthening our lake community relationships. Our goal is to increase our membership from the over 500 properties on the lake and local community members who benefit from Lake Koronis. Please keep this in mind as you consider your 2021 membership. With your generous support, we can protect, improve and continue to enjoy our lake.

Thank you for your support!

The Koronis Lake Association Board

Koronis Lake Association and Shore Owner Starry Stonewort Management Project 2021

2021 will be the first year that we are on our own financially. Since 2016 we have had the luxury of having a great deal of funding from the Legislature and a grant from the Outdoor Heritage Fund, through the Initiative Foundation, to develop a pilot project and protocols for managing Starry Stonewort in the lake. We have also been fortunate to develop a good partnership with MN DNR and help to add Starry Stonewort knowledge to the state and much farther beyond. The cost has been over \$923,388.00 since the beginning of the project and KLA, your donations, have not had to contribute over \$23,000. Now the Watershed Petition project will take over for the funding of the Starry Stonewort management (less any additional grant funds we can obtain.) Those areas that need treatment the most have been identified. Our permits for 2021 are in place and we are ready to proceed with the work.

Below is the executive summary from the 2020 Year-end Report. This report is available on the KLA website or by contacting KLA. Last year's membership letter had a summary of all of the Starry Stonewort management back to 2016.

Executive Summary: (From the 2020 year- end report, available on the KLA Website)

The 2020 Starry Stonewort management program on Lake Koronis continued to manage effectively those areas managed in previous years, expand to several high risk areas around the lake, cut back treatment on some areas that had been managed for the last several years, and learn how to effectively adapt the management program to be the most successful. The project mechanically pulled approximately 27 acres and chemically treated 62.63 acres with Mizzen, 65.24 acres with Cutrine Plus, and 29.63 acres with Reward (Diquat). Of the 27 acres mechanically pulled all was pulled and chemically treated. We were able to test plots with only one chemical treatment in 9 plots and except for the Diquat treated plots (4 plots) still were able to manage the Starry Stonewort. Timing of the treatment was important.

All 2020 project work verification pre and post treatment, was completed. (as performed in the past pilots)

Our tests comparing Cutrine Plus versus Mizzen resulted in the same effectiveness. This is important as Mizzen is a lower cost alternative. (This is the chemical we are moving to in 2021.)

Chemical treatments were again effective in sustaining low level of Starry Stonewort growth in the areas treated around the lake. Data was consistent with the previous four-year pilot program through the Initiative Foundation using Outdoor Heritage funds.

This year we did not rake under docks and boat lifts as part of the program to help us control costs with our limited budget.

Project Work:

The protocol as established in the pilot project which took place in 2016 – 2019 was again followed this year with some variation due to growth patterns of the Starry Stonewort. The days picked for treatment were chosen from history as the optimal time to treat. (Starry Stonewort Protocol for 2020 is below showing criteria used.)

Starry Stonewort Protocol for 2020 varied slightly due to shortness of funding and Starry Stonewort growth patterns.

Shallow areas in the pilot that are less than 4 feet in depth were defined, based on growth patterns and history of chemical treatment. These defined areas were mechanical pulled, when possible and/or chemically treated.

Heavily infested areas were determined and treated chemically either one time or two times.

The first chemical treatment is determined in consultation with the third-party auditor through observation of growth conditions as are the areas to treat.

Pre and post treatment verification audits are performed. All data was gathered and reported in the DNR required format as agreed to in the Lake Koronis Lake Vegetation Management Plan (LVMP). The development and agreement of the LVMP was a requirement to obtain the 2018 DNR Aquatic Invasive Species Treatment permit.

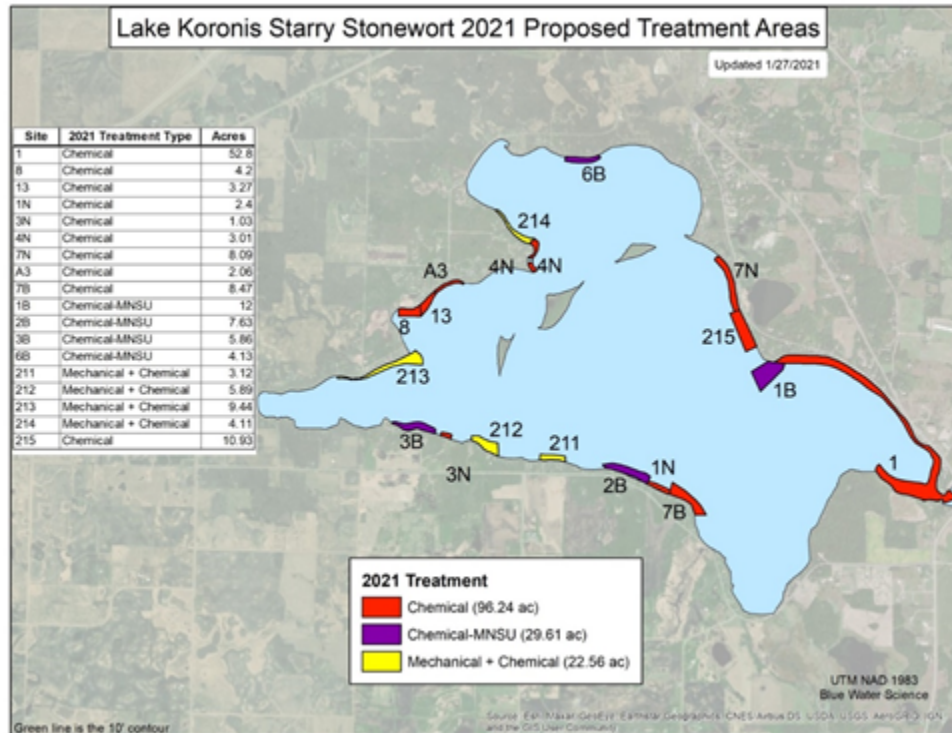
These are the same protocols that will be used in 2021.

Minnesota State University Mankato Tests in 2020 and 2021:

Management work for Starry Stonewort was performed by a grad student from Minnesota State University Mankato and MN DNR using a laboratory tested chemical called Reward (Diquat). Our Third- Party Audit results for this chemical were not positive.

In 2021 more studies will be performed on Koronis sponsored by the Corp of Engineers through Mankato.

Attached is a map showing the treatment areas for 2021.





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KORONIS LAKE ASSOCIATION 2021 BUSINESS MEMBERSHIP APPLICATION

Welcome to the Koronis Lake Association. Share your support of Lake Koronis by becoming a member. As a member, most importantly, you are taking an active part in preserving your lake. In addition to that, your membership benefits include:

- Recognized in our newsletter as a Business Member
- A "2021 KLA Member" window sticker

Business Name _____

Description of Business _____

Owner/Proprietor of Business _____

Business Address _____

City _____ State _____ Zip _____

Phone# _____ Email _____ (email to be used by KLA)

Business Website _____

I would like to receive my newsletter by (select one):

Hard Copy Email Website

Yes I am interested in advertising in the newsletter and/or website. (a KLA board member will contact you)

Business Membership Dues: \$50 \$100 \$200 Other _____

Fireworks Donation: \$50 \$100 \$200 Other _____

AIS: \$25 \$50 \$75 Other _____

TOTAL ENCLOSED \$ _____

Please return form, by May 31, with your check payable to Koronis Lake Association
 Koronis Lake Association
 P.O. Box 333
 Paynesville, MN 56362

(see next page)

Listed below are a few opportunities to get involved in KLA. Please indicate the projects you are interested in so KLA Board members can contact you. I/We would like to support the Association by volunteering my/our time in the following way:

Serve on the KLA Board

Serve on a committee

(AIS, Community Involvement/Awareness, Lake Quality Improvement, Membership/Dues)

See website for more committee Duties.

Work on the newsletter

Help with the annual meeting

Help with 4th of July Boat parade and/or Fireworks

Help/work with website

Other _____

If you have any suggestions/comments please let us know below. Thanks!
