



Lake Country Clean Waters

2020 Accomplishments & 2021 Goals

March 12, 2021

Agenda

- 2020 Accomplishments
- Moving into 2021
- Wrap Up - Setting our course for the year
 - Future Quarterly Meeting dates
 - Calendar Photo Contest
- Questions

2020 Accomplishments

2020 Quarterly meeting #1

- 45 Participants
- Great Discussion!
- Last time we were all able to get together
- Bob Wakeman (State AIS Coordinator) and DNR Wardens presented on Enforcement
- AIS Update from coordinator

Join Us for Our Debut Meeting of 2020

*A quarterly forum for river and lake groups hosted by Lake Country Clean Waters
(formerly known as the Clean Water Association)*

*Thursday, January 16, 2020 * 6 PM - 8 PM*

*Oconomowoc Community Center * 220 W. Wisconsin Ave. UPPER LEVEL
Light Refreshments Provided*



TOPIC:
*Enforcement & Prevention
of Aquatic Invasive Species
In Local Waters*



AWARENESS

Cassie Taplin – Washington and Waukesha AIS Coordinator will discuss Aquatic Invasive Species Cleaning Stations Signs and Intro To NR40, which makes it illegal to possess, transport, transfer, or introduce certain invasive species in WI without a permit.

ENFORCEMENT

DNR Wardens, Local Police and Administrators will outline their approaches to enforcing CBCW, lake laws, NR40, local ordinances and hunting laws. Get your questions answered during the roundtable discussion!

2020 Quarterly meeting #2

- April 2020
- 58 Participants
- A lot of questions for Heidi
- Shared new Starry Stonewort FAQ Sheets on webpage
- PowerPoint available on webpage for free

- LCCW Announcements
- Introduction of new Board Member
- Introduction of new Washington/Waukesha AIS Coordinator
- Mike Engleson – Managing Wakes in a Time of High Water
- Heidi Bunk – Impacts of Watercraft on Lake and River Systems and Starry Stonewort Update
- Group discussion
 - Feel free to use discussion box if you have a question during the presentations



Starry Stonewort Management

The Department has continued to intensify its efforts on understanding the distribution, ecology and management of starry stonewort (*Wolffipogon obsoletus*, SSW) since this non-native macroalgal species was first verified in Wisconsin in 2014. Part of this effort includes continuing annual lakewide point-intercept aquatic plant surveys on waterbodies with verified SSW populations, early detection monitoring on proximal waterbodies without SSW present, as well as quantitative pre- and post-treatment monitoring following a variety of management activities which have been implemented to control SSW (i.e., chemical herbicides, hand-removal, diver assisted suction harvesting (DASH), water level drawdown, etc.).

Distribution in Wisconsin

- Starry stonewort is currently not widespread in Wisconsin. It has been verified in only 13 inland lakes (primarily in southeastern Wisconsin), as well as coastal portions of Lake Michigan and Green Bay.
- Based on the current limited distribution of this non-native species, containment and prevention of SSW is a high priority.
- The department and partners plan to continue strategically conducting aquatic invasive species (AIS) early detection monitoring on waterbodies throughout the state in order to detect and respond to new SSW populations early before they become well-established.

Spread of starry stonewort.

Boats have active Clean Boats, Clean Waters (CBCW) prevention species and other AIS to uninvaded waterbodies. Boats can be cleaned in 30 seconds will kill SSW bulbils and prevent them from germinating. Boats will also prevent germination. Boats will be cleaned after 2 hours of drying for single plant fragments, 24 hours for multiple fragments. Boats will be cleaned after 24 hours of exposure time did not appear to completely kill bulbils.

Revised Mar 2020

Statement of Department Efforts

Starry Stonewort Management

The Department has continued to intensify its efforts on understanding the distribution, ecology and management of starry stonewort (*Wolffipogon obsoletus*, SSW) since this non-native macroalgal species was first verified in Wisconsin in 2014. Part of this effort includes continuing annual lakewide point-intercept aquatic plant surveys on waterbodies with verified SSW populations, early detection monitoring on proximal waterbodies without SSW present, as well as quantitative pre- and post-treatment monitoring following a variety of management activities which have been implemented to control SSW (i.e., chemical herbicides, hand-removal, diver assisted suction harvesting (DASH), water level drawdown, etc.).

Which management approaches have been tried?

Chemical control methods, primarily copper-based herbicides, have been used. Diver assisted suction harvesting (DASH) and hand pulling have been used. Water level drawdown has been used. Control methods are experimental. Please refer to the Department website for more information.

What is the department doing to learn more about SSW?

The department will continue to support collaborative research with the Wisconsin Department of Natural Resources, the Wisconsin Army Corps of Engineers Research and Development Center, University of Minnesota, Indiana University, New York Botanical Garden, Midwest Aquatic Plant Management Society, and others. The department is also involved with the Great Lakes SSW Collaborative, an EPA grant-funded effort to support collaborative research efforts to understand the potential impacts of this new invasive species can best be prevented and managed in the Midwest. The department is an active participant in the EPA grant funded SSW Collaborative, which is intended to increase the capacity of experts, resource managers, and citizen scientists to monitor and control SSW across the Great Lakes basin.

Revised Mar 2020

Frequently Asked Questions

Starry Stonewort Management

What is the best way to keep starry stonewort from spreading?

Prevention is the key to stop the spread of all aquatic invasive species. Practice clean boating and set a good example at boat launches. Remove, Drain and Never Move. Pay special attention to anchor other gear that may have touched lake sediments. In addition, Clean Boats, Clean Waters (CBCW) grants and programs can be implemented to prevent the spread; program volunteers can help educate boat owners and assist with cleaning equipment.

When should starry stonewort be managed?

Management efforts should focus on preventing the spread of starry stonewort outside of the waterbody, and on mitigating the impacts of SSW on time and resources in the long run. If SSW is causing minimal impact to water quality, then the need for active management should be evaluated.

Which management approaches have been tried?

Chemical control methods, primarily copper-based herbicides, have been used. Diver assisted suction harvesting (DASH) and hand pulling have been used. Water level drawdown has been used. Control methods are experimental. Please refer to the Department website for more information.

What is the department doing to learn more about SSW?

The department will continue to support collaborative research with the Wisconsin Department of Natural Resources, the Wisconsin Army Corps of Engineers Research and Development Center, University of Minnesota, Indiana University, New York Botanical Garden, Midwest Aquatic Plant Management Society, and others. The department is also involved with the Great Lakes SSW Collaborative, an EPA grant-funded effort to support collaborative research efforts to understand the potential impacts of this new invasive species can best be prevented and managed in the Midwest. The department is an active participant in the EPA grant funded SSW Collaborative, which is intended to increase the capacity of experts, resource managers, and citizen scientists to monitor and control SSW across the Great Lakes basin.

Revised Mar 2020

5th Annual Healthy Lakes Conference

Seeing 20/20: A Clear Vision for Clean Water

Friday, June 5, 2020

9 am - 3:30 pm

This year's event will be conducted via Zoom!

- 9:00-9:30 **Introduction of Board, Organization, and Finance Structure**
Brad Steckart – Director, Lake Country Clean Waters
- 9:30-10:15 **Chemical Management Strategies for Starry Stonewort: A Mesocosm Study**
Christopher R. Grasso, Kaytee Pokrzywinski, West Bishop, Kaitlin Volk and Kurt Getsinger – US Army Corps of Engineers
- 10:15-11:15 **MORNING KEYNOTE: Can It Make a Home Here? Invasive Species in Wisconsin Waters**
Carmen Aguilar and Russell Cuhel – Senior Scientists from the UWM School of Freshwater Science
- 11:15-12:00 **The Risks and Problems Caused by Boating Wakes. Sharing the Waters and Promoting Safety for all Lake Users**
Mitchell Groenier – WDNR, Mike Engleson – Wisconsin Lakes Partnership
- 12:00-12:30 **Lunch Break**
- 12:30-1:00 **How Does Salt Affect Our Waters? An Update on SEWRPC's Chloride Study**
Nick Neureuther and Alexis McAdams – Southeastern Wisconsin Regional Planning Commission
- 1:00-1:30 **Oconomowoc Watershed Protection Program –Progress Update**
Tom Steinbach –Director of OWPP
- 1:30-2:00 **Citizen Lakes Monitoring Network – What You can do to Contribute to Regional Lake Health**
Paul Skawinski - UW Extension & Author of 'Aquatic Plants of the Upper Midwest'
- 2:00- 2:30 **First Annual LCCW Lake Recognition Award and Presentation**
- 2:30- 3:30 **AFTERNOON KEYNOTE: "The Greatest Places on Earth: Our Lakes and How We're Loving Them to Death"**
Ted Rulsch – Author of "A Lakeside Companion" and Crew 11 Lake Leader
- 3:30 **Final Words**
Brad Steckart – Director of LCCW



2020 Quarterly meeting #3 Healthy Lakes Conference!

- June 5th, 2020
- Over 60 attendees!
- Amazing topics from around the country!
- Conference still available on webpage for Free
- Really great balance of outreach, research, and management shared
- LCCW Award went to North Lake Management District for their innovative drone wave study

For more information:

lakecountrycleanwaters.org
262-369-0500

**Advanced
Registration Required
by 8:30 am on
Friday, June 5th**

\$15 per person

Register

2020 Quarterly meeting #4



You're Invited!

Lake Country Clean Waters Quarterly Meeting
An educational forum for river and lake groups

Wednesday, September 23, 2020 * 6 PM - 8 PM

Meeting will be conducted VIA ZOOM

See registration information at <http://www.lakecountrycleanwaters.org/>

Meeting Agenda Highlights:

- The **North Lake Management District** will present on an *underwater drone project and other measures* they've implemented to ensure lake conservation in SE WI.
- There will be an update on *management projects* from our **Washington Waukesha AIS Coordinator Samantha Lammers**.

For More Information:

E-mail: bradley.steckart@gmail.com
Call: 262-369-0500

In Partnership With:



- September 23rd, 2020
- 37 attendees
- North Lake Management District presented on drone and wave impact study
- Captivating, innovative and leading research

2020 Accomplishments

- 3 Quarterly Meetings
- 1 Healthy Lakes Conference
 - Over 200 Attendees
- Over 20 Experts and Professional presenters
- 15 Water-Related conservation topics covered
- Highlighted presentations were:
 - UWM Freshwater Science, UW-Extension, Army Corps of Engineers, Washington/Waukesha County Professionals, SEWRPC, DNR, WI Lakes, and accomplished authors
- 5 donors
- We do all this through amazing partnerships with Tall Pines, OWPP, WI Lakes, DNR and all other Partners
- We operate with only one PT employee and a volunteer Board of Directors



Current Board Members

- Joyce Shepet



- Susan Buchanan



- Caroline Joyce



- Jeff Lee



- Don Gallo



- WELCOME! Jesse Jensen



2021 Goals

Lake Country Clean Waters 2021: Education and Networking Opportunities:

- Plan and host quarterly meetings with excellent speakers
- Plan and host our annual Healthy Lakes Conference
- Contribute education booth at LCCW Festival
- Attend and present at Lake/River/Water Events
- Work at community events
- Present at Lake/River District/Association events
- Educational opportunities with State and Local Officials
- Educational opportunities with University Staff
- Educational opportunities with curriculum for younger K-12 students



Education and Networking Opportunities:

- Lake Country Clean Waters Award
- 2020 – North Lake
- 2021 – Your organization???



Lake & River Organization
Annual Recognition Award

2020			
North Lake			
Management District			

Lake Country Clean Waters Lake Recognition Award
Presented on June 5, 2020 to:
North Lake Management District

This award recognizes the worthy actions lakes are taking to protect water quality by promoting citizen involvement through education and outreach.

Don Gallo
Don Gallo
President, Lake Country Clean Waters

Brad Steckart
Brad Steckart
Director, Lake Country Clean Waters

TALIPINES CONSERVANCY
Lake Country Clean Waters

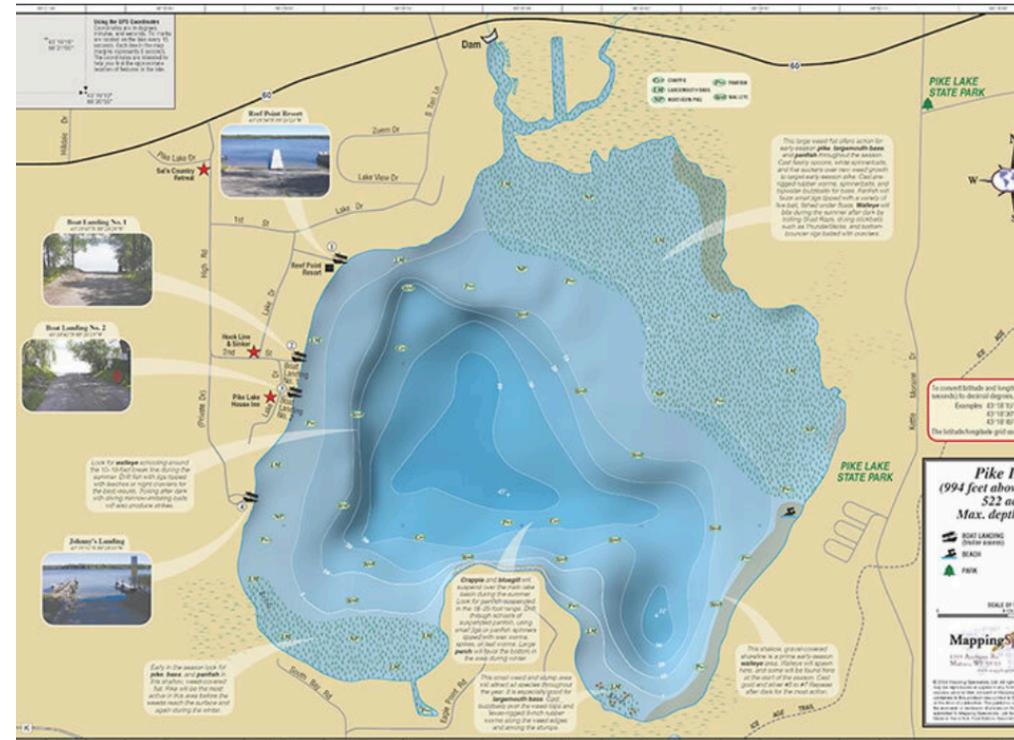
Outreach Opportunities



- Email and outreach correspondence
- Monthly Constant Contact partnership with Washington and Waukesha Counties
- Maintaining website
- Recording and editing outreach/education videos
- Pursuing partnership opportunities
- Podcasting

Research Opportunities

- Stay informed about recent developments in freshwater science
- Network with scientists worldwide
- Work with Lake Associations to pursue informed research
- Work with Universities to conduct research
- Work with other Federal, State, and Local Governments to conduct comprehensive research and consulting to share with local water groups



In Field Opportunities

- Participate and partner in Clean Boats, Clean Waters Efforts
- Partner with Purple Loosestrife Biocontrol
- Partnership with Healthy Lakes Grants Projects
- AIS Snapshot day
- Project RED partnerships
- Other partnerships as available



2021 Sponsorships

- Looking for Corporate Sponsorship
- Do you know anyone on your lake who is part of an organization that promotes:
 - Conservation initiatives
 - Grants
 - Sponsorships
 - Professionals that would like to speak at meetings/conference

Lake Country Clean Waters Sponsorship Structure

Sponsor Level	Lake Michigan	Mississippi	Rock River	Wisconsin River	Bark River
	\$2,000+	\$1,000	\$500	\$100	\$50
Recognition during introductions at LCCW Quarterly Meetings and Healthy Lakes Conference					
Logo included on event invitations					
Logo on PowerPoint presentations given by LCCW					
Logo on Facebook page					
Free Healthy Lakes Conference Registrations (valued at \$40 each)	4	3	2	1	1
Logo on event posters and materials					
Logo included on banners on site (by sponsorship level)					
Logo included on table sign					
Logo included in eBlast					
Logo included on website on sponsorship page					
Logo included on homepage of website					

Moving Forward

- **Calendar Photo Contest!**
 - **Submit your photos to info@lakecountrycleanwaters.org**
 - **We will choose the top 12 photos to be in a calendar next year!**

- **Lake of the Month!**
 - **If you think your lake should be featured as “Lake of the Month” send us a few reasons why!**
 - **We will send out our featured Lake of the Month at the end of each month!**

Moving Forward

- **Schedule for 2021**
- Next Year's Meeting Dates
- Quarterly Meeting: Wednesday, **January 20th**
- Quarterly Meeting: Wednesday, **April 21st**
- WI Water Week, **March 8th – 12th**
- Healthy Lakes Conference: Friday, **June 4th**
- Lake Country Clean Waters Festival: August TBD
- Quarterly Meeting: Wednesday, **September 22nd**



Thank You!

info@lakecountrycleanwaters.org