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## UTLA 2018 April Newsletter

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### Upper Turtle Lake Association

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<https://sites.google.com/site/upperturtlelakeassociation>

**FACEBOOK:** <https://www.facebook.com/upperturtlelake>

### **NOTICE: 2018 Upper Turtle Lake CLP Management and Rhodamine Dye Study**

The Upper Turtle Lake Association (UTLA) began a curly-leaf pondweed management planning project in early 2017. Curly-leaf pondweed, or CLP, is a non-native, aquatic invasive plant species that has been present in the lake for many years. Back in 2010, it was documented in about 10 acres of the lake. In 2017 CLP was documented in over 130 acres of the Upper Turtle Lake, and most of this was with moderate to dense growth. CLP is a cold-water, early season aquatic invasive species (AIS), beginning its growth cycle under the ice, expanding rapidly once the ice is gone, and is at its most dense in the month of June. It completes its life cycle in early July, dropping to the bottom of the lake to die and decay, but not before creating thousands of new "turions" or seeds for new plant growth the following year.

CLP can be found just about everywhere in the lake in water up to 15-ft deep between April and July. At its current level in the lake, more desirable native aquatic plant species, valuable fish and wildlife habitat, lake use, and water quality in the lake are being negatively impacted.

In late April or early May 2018 the UTLA will implement a test chemical treatment of nearly 10 acres of CLP in a select bay on the west shore (see map). Aquathol K with the active plant killing ingredient *endothall* will be applied over the entire 9.88 acres at 1.5 parts per million (ppm). The chemical herbicide will be applied from a boat trailing weighted hoses behind it when CLP is only a few inches tall underwater. CLP in the treated area is not



### 2018 Upcoming Events

**April 28<sup>th</sup>:** Upper Turtle Lake District Commissioner Meeting, 9:00 AM Almena Township Hall

**May 19<sup>th</sup>:** Upper Turtle Lake District Public Input Meeting, 10:00 AM, Turtle Lake School Cafeteria.

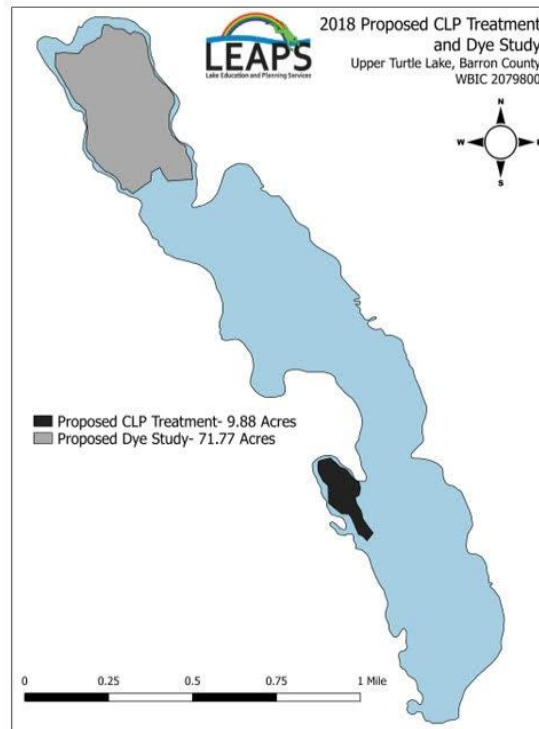
**June 9<sup>th</sup>:** Upper Turtle Lake Association Annual Meeting, 10:00 AM, Ritschie Pavilion, 114 Martin Ave East, Turtle Lake.

**June 9<sup>th</sup>:** Upper Turtle Lake District First Annual Meeting, 10:30 AM, Ritschie Pavilion.

**July 4<sup>th</sup>:** UTLA Boat Parade, 1:00 PM. Meet near the island and follow the pace boat around the lake. Like last year, voting will take place in undisclosed locations. Trophies will be awarded for the most creative and the most patriotic watercraft. Be mindful of boats that don't want to be bombarded with water balloons. Be careful, have fun, and good luck to all participants!!

expected to reach the surface or recover in the same year after treatment.

In addition to the test chemical application in this small bay, a much larger area of the lake, 72 acres in the north basin, is to be included in a red, Rhodamine dye study to determine the movement of water and possible dispersion of chemical that may be applied in a future, and larger CLP management plan. Red rhodamine dye will be applied during the same time frame as the chemical treatment of CLP over the entire 72 acre area (see map). Water testing will then be completed throughout Upper Turtle Lake, and even Lower Turtle Lake to determine how fast, and how much of the dye will move through the lake. Once applied, portions of the lake will turn red, but it will not last very long. The dye is non-toxic to plants, animals, fish, and humans. The data collected will be used to determine more reliable and accurate CLP chemical treatments for 2019 and beyond.



Both the chemical treatment of CLP and the dye study are being administered by Northern Aquatic Services (NAS) of Dresser, WI under the guidance of our consultant, Dave Blumer of Lake Education and Planning Services (LEAPS), and with support from the WDNR through grant funding. Dave Blumer from LEAPS, Dale Dressel from NAS, and Alex Smith from the WDNR are available for questions. Please do not hesitate to contact one or all of them if there are questions or concerns.

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Alex Smith, WDNR  
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Of course, representatives from the Upper Turtle Lake Association can also be contacted to ask questions or voice concerns. The board and contact information is listed elsewhere in this newsletter. A copy of the WDNR Chemical Application Permit may be viewed at the following web address: <https://sites.google.com/site/upperturtlelakeassociation/>. Chemical fact sheets are available at <http://dnr.wi.gov/lakes/plants/>.

## Lake District Public Input Meeting

The Lake District is holding a public input meeting on Saturday, May 19<sup>th</sup>, 10:00 AM at the Turtle Lake School Cafeteria. This information gathering meeting is a venue for you to get current information on what is happening with the Lake District, and where you can provide input for the proposed 2019 budget. Taxes will be discussed, but voting will occur at the Lake District Annual Meeting on June 9<sup>th</sup>. Dave Blumer of L.E.A.P.S. will be available to answer any questions you may have.

## Lake Association and Lake District Annual Meetings

The Lake Association Annual Meeting will be held Saturday, June 9<sup>th</sup>, 10:00 AM at the Ritschie Pavilion, Turtle Lake. There will be no 2018 membership dues for the Lake Association. The 1<sup>st</sup> Annual Lake District Meeting will be held directly after, at 10:30 AM at the Ritschie Pavilion, Turtle Lake. More information to follow, but mark your calendar for these two meetings!

## Aquatic Invasive Species (AIS) Grant

Upper Turtle Lake Association successfully competed for a Wisconsin Department of Natural Resources (WDNR) cost sharing grant to further study our Curly Leaf Pondweed (CLP) infestation and to plan for a large scale treatment in 2019. The \$23,000 grant is funded at the 75% level by WDNR. We are responsible for the remaining 25%, most of which can be covered by volunteer efforts from our lakeshore property owners. Important elements of the grant include:

1. **Pre and Post Aquatic Plant Survey** of 2018 treatment area (approximately 10 acres).
2. **CLP Bed Mapping** of Upper Turtle-this will be compared to the 2017 survey.
3. **CLP Turion Density Sampling**-to understand how many CLP "seeds" we have waiting to germinate.
4. **Rhodamine Dye Study**-to simulate a large scale treatment and understand the movement of water in the lake. This is important in order to effectively treat CLP while minimizing the impact on native vegetation in both Upper Turtle and Lower Turtle Lakes.
5. **Enhanced Water Quality Testing.**
6. **Watercraft Inspection and Education**-to minimize the introduction of AIS from other lakes.

### Volunteers are needed!

We will be able to fund the vast majority of our \$5800 share of our grant obligation if we work together and volunteer time to the watercraft inspection, AIS monitoring, water quality testing and other grant related tasks. More information will be provided at upcoming meetings. See 2018 Upcoming Events.

## Your UTLA Board

President: Carol Timmerman (507) 398-9995

Treasurer: Judee Jerabek (815) 258-2393

Vice President: Sharon Dunemann (507) 261-9772

Social Director: Phil Erdes (651) 276-7556

Secretary: Marc Kalis (507) 459-3664

**Jump Start Funds Update:** Current collected funds total \$19,800! Listed below are the people that donated funds to this important effort. Thank you to each and every donor, for without these funds, the Lake District formation, aquatic plant management study, Native Plant Survey, initial CLP treatment, and

grant application couldn't have been accomplished so quickly. Your generosity and support allows the lake management and improvement efforts to move forward.

**\$1000 Donor:** Lakeplace.com Brothers Realty, Darin Moravitz

**\$500 or less Donors:**

Kurt & Laura Abramson	Brian and Marcia Howard	Gregory and Kathy Preusse
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Brenden and Theresa Henehan	Pederson Beneficiary Trust	Mark Wolff
Jim and Julie Hermes	Glenn and Susan Peterson	Richard and Julie Zellmer
Patrick Hoffman	Scott Peterson and Judith	
Jan Hoppe	Stolley	
Earl and Agnes Hoscheit	Justin Pezewski	

**Jump Start Income and Expense:**

<b>Donations:</b>	\$19800
<b>Expenses to Date:</b>	
L.E.A.P.S. Aquatic Plant Management Plan Update:	\$ 1800
CLP and Native Aquatic Plant Surveys:	\$ 4250
Dairy State Bank Checks:	\$ 35
L.E.A.P.S. Education Grant Writing:	\$ 1600
Transfer to Upper Turtle Lake District Checking Account:	\$ 1000
<b>Total Allocated to Date:</b>	\$ 8685
Outstanding 2018 CLP Treatment (estimated):	\$ 6627
<b>Balance:</b>	\$ 4488