

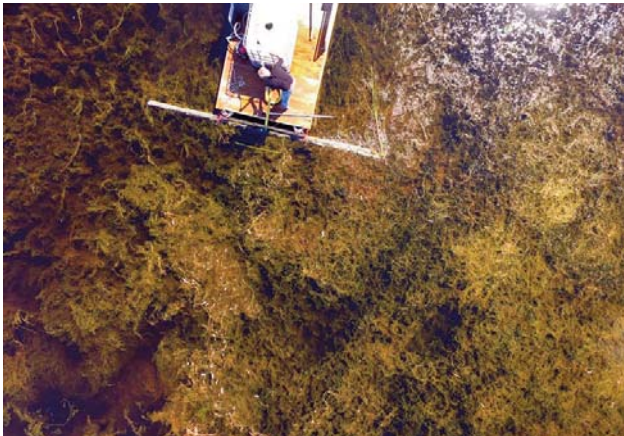


## 2018 News and Plans

### Highlighted in this Issue

- 🔥 **Biocontrol for Milfoil**
- 💧 **Phragmites**
- 💧 **Cedarville Harbor**
- 💧 **FrogFest**
- 💧 **Recycling**
- 💧 **Government Island**
- 💧 **Inland Seas Sail**
- 💧 **Little Brown Bat**
- 💧 **Sewer Treatment Plant**
- 💧 **Enbridge Line 5**

For details on most topics see our website:  
[www.lescheneauxwatershed.org](http://www.lescheneauxwatershed.org)



**Above:** Invasive milfoil bed on day of Mt application at Cedarville Launch ramp.

**Below:** Same area 70 days after treatment.



## NEWSFLASH

### Natural Biological Control for Invasive Milfoil!

A fungus that occurs naturally in LCI waters has been found to attack the invasive Eurasian watermilfoil (EWM) and can be used as an alternative to chemical herbicides. While lethal to EWM, the fungus, *Mycrocyclus terrestris*, or “Mt”, is safe for non-target organisms, including humans, dogs, cats, birds, fish, invertebrates and other aquatic plants. Extensive toxicity tests have shown no adverse effects of Mt to humans, nor are there restrictions such as swimming following application.

Watershed Council (LCWC) research will change the way EWM is managed across the USA. Six years of study and experimentation by LCWC indicates that a single application of Mt will control EWM growth for a full season. The final phase of this project will be completed by September 2018. A data package is being developed to transfer LCWC technology to any organization that commits to producing and marketing the use of the Mt fungus as a direct competitor to chemical herbicides for EWM management.

To reach this success point, LCWC members have spent thousands of hours conducting field trials and collaborating with multiple universities and federal agencies. During this time, over \$400,000 has been invested in research as in-kind effort or as grants.

Details of this exciting finding and opportunity will be presented to the community during the summer.



**Above:** Invasive milfoil on day of Mt treatment at Hessel Harbor.



**Below:** Dead and dying invasive milfoil 70 days after treatment.

## CEDARVILLE HARBOR



**Above:** A view of the Cedarville Launch ramp that will be changed significantly as the new Cedarville Marina takes shape and expands opportunities for more boaters to visit the downtown area. UAV image by Scott Myers

## INLAND SEAS RETURNING TO HESSEL AGAIN JULY 2018



**By popular demand the schooner, *Inland Seas*, will again be in Hessel on July 11th and 12th.**

Like last year, she will sail twice a day and provide a unique, educational and fun experience for both children and adults. The ship's crew will provide a hands-on experience in water research opportunities at multiple education stations, as well as have participants take part in ship handling skills.

The event is sponsored by the Watershed Council and an activity of the Inland Seas Education Association (ISEA). Learn more about ISEA at [www.schoolship.org](http://www.schoolship.org) – Ticket sales will begin in May.



Photos by Inland Seas, <https://www.flickr.com/photos/schoolship/albums/72157649052728584>

Thanks to over 300 contributors, the goal of raising \$200,000 as a local match for state and federal grants was exceeded last fall! Local businesses, as well as Clark Township, Watershed Council, Islands Association, Lions Club, and Islands Wildlife also contributed to the required financial match.

This new facility will provide much needed transient docking in downtown Cedarville for boaters to more conveniently walk, cycle or use golf carts to access businesses and restaurants.

Engineering drawings were finalized by year-end and final State approval that will allow Clark Township to seek construction bids is ongoing. Clark Township expects to request bids by late March. At this time, the intent is to have the new dock in place before Memorial Day and to begin construction on the harbor house after Labor Day.

Watch the Clark Township website for updates – [www.clarktwp.org](http://www.clarktwp.org) – **Finally ...** Hessel Harbor expansion and upgrade is next!

## LAKE HURON WATER LEVEL 2012-2017

LCI Water Level changes from 2013-2017 for July to July each year

2012–2013	~=
2013–2014	Up 14.4"
2014–2015	Up 13.2"
2015–2016	Up 12.0"
2016–2017	Up 6.0"

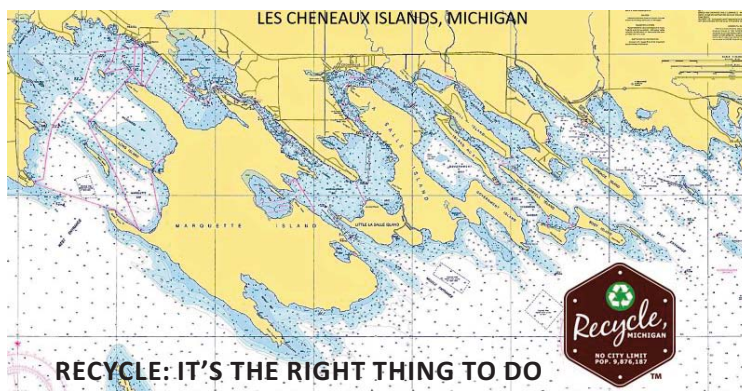
**Our water level** is predicted by the Corps of Engineers to be within 8-10 inches of what it was last year, so plan your summer accordingly. This photo of John & Helen Bentley's boathouse tells the graphic story of our unprecedented rate of lake level rise since January of 2013.



Lake elevation numbers were taken from Corps of Engineers charts.

## CLARK TOWNSHIP RECYCLING

**Clark Township will improve the recycling program** as a result of new contract negotiations. The new contract will expand the array of recyclable items to include glass. The glass is proposed to be crushed and used for landfill cover. Awarding of the contract is scheduled for March and the issue will be placed on the August ballot. Please support the improved environmentally responsible recycling program provided by Clark Township!





## FROGFEST – SATURDAY, JULY 7

FrogFest is held annually on a Saturday in July with our primary interest being to engage the community, especially the young and to raise awareness of the rich natural legacy to be enjoyed right here in Les Cheneaux. FrogFest is preceded by the Watershed Council Annual General Meeting held the Thursday following July 4th.

**This year the AGM is scheduled for Thursday, July 5th.**



## GOVERNMENT ISLAND

**Government Island Trail Maintenance Crew** ready for their annual spring brushing and clearing. Dan Reelitz is the Les Cheneaux Watershed Council liaison with the U.S. Forest Service.

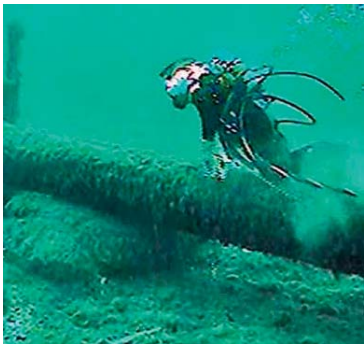


**FOUR WAYS to provide continued financial support to LCWC with 501(c)3 status:**

- ◆ A check sent to our address
- ◆ PayPal through our website, [lescheneauxwatershed.org](http://lescheneauxwatershed.org)
- ◆ Through the LC Community Foundation directed to either our LCWC endowed or unendowed account.
- ◆ Funds transferred directly from an IRA to LCWC. This avenue is approved under the new tax code. For details, refer your tax advisor to the article, "How to Donate Your Required Minimum Distribution to Charity" from *U.S. News & World Report* by following this link: [goo.gl/q1K1JM](http://goo.gl/q1K1JM)

<https://money.usnews.com/money/retirement/iras/articles/2017-12-04/how-to-donate-your-required-minimum-distribution-to-charity>

## ENBRIDGE LINE 5 PIPELINE



**A risk assessment report on Line 5** safety and planned Enbridge activities, chaired by Dr. Guy Meadows, Director of the Great Lakes Research Center at Michigan Technological University, will be published in mid-August.

The risk assessment goal is to identify environmental, economic, human and safety factors associated with a Line 5 rupture. An interview with Dr. Meadows can be found at the website below:

[www.greatlakesnow.org/2017/10/man-holds-key-future-line-5-pipeline/](http://www.greatlakesnow.org/2017/10/man-holds-key-future-line-5-pipeline/)

## PHOSPHORUS & SEWER LAGOONS



**Phosphorus in sewer lagoon effluent** has dropped to record low levels since the installation of a micro-aeration system in 2015.

## SNOWY WINTER VISITOR



### Re-new your membership or join the Les Cheneaux Watershed Council today!

*We need your support to preserve the health of our waters! Use the enclosed envelope, or fill out the form below! Give one to a friend and help build our membership!*

#### Membership or Donation to the Les Cheneaux Watershed Council

- |                                   |                         |
|-----------------------------------|-------------------------|
| <input type="checkbox"/> \$15     | <b>Basic Membership</b> |
| <input type="checkbox"/> \$25     | <b>Spring Peeper</b>    |
| <input type="checkbox"/> \$50     | <b>Green Frog</b>       |
| <input type="checkbox"/> \$75     | <b>Tree Frog</b>        |
| <input type="checkbox"/> \$100    | <b>Leopard Frog</b>     |
| <input type="checkbox"/> \$500    | <b>Blue Heron</b>       |
| <input type="checkbox"/> \$1,000  | <b>Wetland</b>          |
| <input type="checkbox"/> \$ _____ | <b>Water Guardian</b>   |

Name \_\_\_\_\_

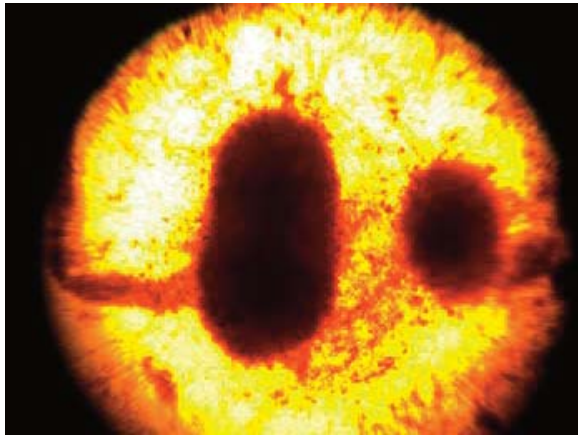
Address \_\_\_\_\_

City, State ZIP \_\_\_\_\_

Email \_\_\_\_\_

**Make check payable to LCWC  
PO Box 578 • Cedarville, MI 49719**

LES CHENEAUX WATERSHED COUNCIL  
P.O. BOX 578  
CEDARVILLE, MI 49719



**Mycoleptodiscus terrestris (Mt)**  
Microscopic view of the Mt fungus that **attacks** and **destroys** Eurasian watermilfoil

## LES CHENEAUX WATERSHED NEWSLETTER

**Non-native Phragmites** infestations in LCI are down significantly thanks to help from CISMA (Three Shores Cooperative Invasive Species Management Area of Chippewa, Mackinac and Luce Counties). For each of the past seven years CISMA has assisted LCWC in managing our non-native phragmites outgrowths. Thanks to CISMA, LCI is on a maintenance program whereby they help manage new patches that appear annually. Mike Stoll is the LCWC liaison to CISMA.



**Michigan Tech**  
**Les Cheneaux study** by Michigan Technological University measures light reflectance to identify invasive weed species.

**Little Brown Bats** are the most common local bat species. Bat populations have been declining drastically across the USA in recent years due, primarily, to a fungal infection known as White Nose Syndrome. An informal 2017 survey indicated although LCI bat numbers were down, we do have a surviving population. Watch our website for details on another bat survey for the upcoming summer.

[lescheneauxwatershed.org](http://lescheneauxwatershed.org)

