
KLCA Newsletter - July 2019
"Preserve the Heritage"



Bio-monitoring in Kawagama Lake

As part of the initial phase of this project, the KLCA has worked with a student hired by U-Links to identify potential sample sites around Kawagama Lake and Bear Lake. In addition to site selection. A potential reference site on Kawagama Lake was used for a trial sampling session to help establish sampling protocols. A student from Trent University along with a student employee of U-Links worked with KLCA volunteers to go through the procedures of sampling and analyzing samples. Sampling is best done in fall months so the KLCA will be working with both U-Links & Trent University to establish testing procedure to that we are able to run testing this fall.

What is biomonitoring?

Bio-monitoring samples benthic macro-invertebrates to measure lake health.

What are benthic macro-invertebrates?

Benthic macro-invertebrates are aquatic "bugs" that live on the bottom of a stream, river or lake. Aquatic worms, insects and crustaceans make up the bulk of our benthic macro-invertebrate samples.

Why do we monitor benthic macro-invertebrates?

Conventional water quality sampling consists of sampling at a specific point in time, that few minutes that it takes to collect a sample. Although this sampling provides great information for the specific time sampled, it does not necessarily tell us what is happening in the lake over the remainder of the year.

Benthic invertebrates live in a lake for up to three years. During this time, they are exposed to the full range of water quality conditions present in the lake. Some species require excellent water quality to survive while others are quite tolerant of pollution. By looking at the different species present at a sampling site, we can identify whether lake health is good, fair or poor. Monitoring of benthic invertebrates allows us to answer several important questions: "Is development impacting lake health?" "Are our lakes becoming healthier or more degraded over time?" "Where will our stewardship activities be most effective?" "Are our stewardship activities resulting in water quality improvements?"

Benthos Monitoring Pilot Project

In collaboration with U-Links, Coalition of Haliburton Properties Owners Associations (CHA), Trent University & Fleming College.

There is growing interest, demand and need for long-term benthos monitoring in the lakes in the Haliburton Highlands bio-region. Over the past few years, U-Links, Trent University and Fleming College have all been involved in successful benthos monitoring initiatives in several lakes in the region.

Kushog Lake, with support from Fleming College and U-Links has developed the resources to co-ordinate its own monitoring program. However, for most lake associations, consistent biomonitoring and maintaining longitudinal data is beyond the capacity of their volunteer resources.

U-Links, Coalition of Haliburton Properties Owners Associations (CHA), Trent University & Fleming College are working to initiate a pilot program which will coordinate and leverage the resources of U-Links, Trent University School of the Environment and Fleming College School of Environmental and Natural

Resources Studies, the CHA and individual lake associations, to establish a long-term benthos monitoring program for multiple lakes in the Haliburton Highlands bio-region. Both Trent University and Fleming College would like to develop ongoing dedicated courses that will engage in this benthos monitoring initiative. For this pilot project six lake associations will commit to long-term involvement (providing the local resources and volunteers required to support the effort).

Over the summer of 2019, the location and number of monitoring sites for the individual lakes will be identified. This will provide a comprehensive picture of the aquatic ecosystem for each lake. A schedule will be developed for monitoring that aligns with the Trent and Fleming Courses that have committed to engage with this project. In consultation with the Dorset Environmental Science Centre's Ontario Benthos Biomonitoring Network and the NSERC Lake Pulse Network and other organizations involved in promoting lake health, there will be a consistent process for tracking and storing data and providing information to Lake Associations.

U-Links, in collaboration with the Trent Centre for Community-Based Education, has submitted funding applications which will support the co-ordination of these efforts.

The pilot project will:

- Identify the amount of co-ordination and resources required to have an effective on-going program (and access the resources to accomplish this)
 - Identify the best place to store the collected data so that it is accessible to lake associations.
 - Determine the ultimate scope of the monitoring program (i.e. number of lakes and sites per lake, frequency of sampling cycle, etc.) in relation to the capacity of Trent and Fleming.
 - Develop a program that can be replicated in other regions of the province.
-



Regatta 2019!

Join us on Saturday, August 3rd at 11:00 am sharp at Moorelands Camp for the annual Regatta! The Regatta is open to all KLCA members and their guests. Your \$45 membership pays for the regatta.

We would love more volunteers. If you can help, please email Kim Daries at; kimberley.daries@peelsb.com. Also, raffle prizes are needed, please bring them with you to the Regatta or drop them off in advance at either marina.

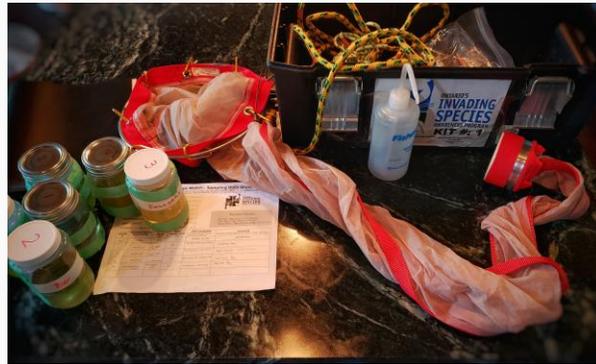
Wristbands are required for all attendees, and they are free to members. Guests pay \$5 per person or \$15.00 per family. Please register at the membership desk when you arrive.

Finally, don't forget to bring your paddles, lifejackets and some cash for food and the great raffle items. Sadly, Fido must stay at the cottage. See you there!



Invasive Species Testing – Kawagama Lake & Bear Lake

The Province recently cut funding to several environmental programs. One the programs that was cut was the Invasive Species Monitoring (ISM) program through the OFAH. ISM focused on sampling with special plankton nets to collect samples on lakes and determine if the aquatic invaders such as spiny water flea, quagga mussels or zebra mussels, were present. Originally, OFAH lent out the sampling kits by shipping (to & from), free of charge, also covering the costs of the sample analysis. This program is now shut down. The KLCA participated in a substitute program established by the C.H.A. The KLCA has completed invasive species sampling on Kawagama Lake and Bear Lake and those samples have now been submitted to a private lab for processing. We expect to have the results returned by February. Thanks to Adam Pifko and Roshelle Chan for completing this sampling.



Fireworks

The KLCA is running the annual fireworks display again, which takes place on the Saturday of the August long weekend, August 3rd, at dusk in Marina Bay. If you've been to this event in the past, you know it's an awesome show! All of the money that's required to fund the show comes from your donations. The way to donate is through <https://klca.org/donations> and at the marinas. So please click on the link to donate whatever you can. Lastly, please drive slowly when exiting the bay, for everyone's safety and ensure any pets who are scared of loud noises are kept safe.



The KLCA discussed the feasibility and availability of providing a "noiseless" fireworks show for us with our reputable and knowledgeable fireworks provider. He says, "There is really no such thing as "Noiseless" or "Silent" fireworks for a variety of reasons. In order to get the firework to lift into the air there is an amount of black powder (gun powder) required. When it is activated there is a reaction which will cause an explosion to lift the firework. This explosion is part of the noise that is generated. This reaction is also used to heat up the chemical required to generate the different colours and effects you see.

There are fireworks which would be classified as quieter than the higher aerial type of fireworks. They would be better designed for small venues like weddings or small gatherings as the coverage is nowhere near the coverage as regular fireworks. A lot of these effects are ground effects like fountains and candles (sparklers) which do not generally lift into the sky or set pieces which you can make an effect like a waterfall or the Canada flag for example and once ignited will look like the flag in the dark.

We currently integrate quiet fireworks into our displays which offer a variety of effects to give us the type of display we shoot but mixed in with the shows you would not necessarily see them as quiet in comparison with everything else going off at the same time."

Renting your Cottage?

Check out the posters here <https://www.cohpoa.org/resources/renting-your-cottage/> for information to ensure "Happy Renters, Happy You and Happy Lake!"

RENTING YOUR COTTAGE?

Protect Your Investment And Your Lake.

HERE ARE 3 SIMPLE SUGGESTIONS:

1. Ensure that you do not have an overcapacity crowd in your cottage

Capacity = # of bedrooms x 2

FOR EXAMPLE: A 3 bedroom cottage should not have more than 6 overnight occupants.

IF YOU HAVE MORE PEOPLE THAN THAT:

- RAW SEWAGE enters your tile bed and the water table
- you have to REPLACE your tile bed COSTING thousands of dollars and your lake becomes POLLUTED.

2. Post the C.H.A. Rental Posters in the Kitchen, Washroom, Laundry Room and Garbage Areas

Help your guests who may not be used to lake life and septic systems with practical tips:



3. Let your renters know that you are part of a lake community

Many people come to the lake for the peace and tranquility – ask them, kindly, that they respect this fact – particularly after dark.



Happy Renters, Happy You & Happy Lake!

AGM Presentations Available Online

DON'T MISS OUT! In case you weren't able to attend the KLCA AGM, click the link below to see the 2 presentations from our special guests. Thanks to all who attended, we had a GREAT turn out and enjoyed the relevant presentations. <https://klca.org/agm>

Carolyn Reid's Presentation: Can wood-ash put the breaks on Ca decline?

Rob Keen's Presentation: Ontario Forest Management



Shoreline Tree Cutting Q & A

Q: Can I cut trees on my own property near the lake?

A: You can only cut trees that are less than 5cm in diameter within 30 meters of the shoreline, regardless of whether you own the shoreline allowance or not.

Q: Are there any exceptions?

A: Yes, trees that meet certain criteria such as being dead or diseased. (see link below for more exceptions)

Q: What happens if the shoreline trees are cut?

A: Three trees of the same species for each one cut, will need to be replanted and grown to maturity. As well, a fine can be issued.

Q: Is this the law?

A: Yes, it is the "Shoreline Tree Preservation By-Law No. 3505" in the County of Haliburton.

Q: What is the purpose of this law?

A: The law is in effect to minimize the destruction of trees in order to protect our water resources and sustain a healthy, natural environment.

Q:What do I do if I am concerned?

A: Call James Rogers (By-Law enforcement officer) at 705-457-6854 or send an email to; forestry@county.haliburton.on.ca within 6 months of the shoreline cutting.

Q: How can I get more detailed information?

A: Go to, <https://haliburtoncounty.ca/wp-content/uploads/2018/10/FAQs-County-of-Haliburton-Shoreline-Tree-Preservation.pdf>

Common Inbox Questions:

1. What's happening with the sewage lagoon expansion proposal in Fletcher Bay? There is nothing new to report at this time. We remain in contact with the Municipality.
 2. Why is the new cell tower on the south west side of the lake so ugly? Luckily, branches have now been added to this tower as Rogers prepares for the tower to go "live".
 3. Do we still need to spread our wood ash? Yes, continue to spread your wood ash around your trees in an effort to reduce calcium decline in our lakes.
 4. I am interested in volunteering at the Regatta, what should I do? You can email Kim Daries at; <http://kimberley.daries@peelsb.com>.
 5. Can I cut trees within 30 meters of my shoreline? Please see article above, Shoreline Q & A.
 6. I lost my..... (random cottage item). What should I do? The best thing is to
-

post a photo of the item on our Facebook page in the hopes that someone has found it.

Healthy Shorelines and Lakes

The CHA (Coalition of Haliburton Property Owners Association) is committed to protecting and enhancing the health of our lakes. As such, they have made many great resource materials on keeping our lakes and shorelines healthy. Please go to; <https://www.cohpoa.org/resources/healthy-shorelines/> and select the topic you are interested in, from shorelines, to invasive species to water and wetlands and many more. Part of your KLCA membership fee goes to support the work of the CHA projects.

Your Waterfront in a Changing Climate

FOCA (Federation of Ontario Cottagers) has created a new resource titled, *Managing Your Waterfront Property in a Changing Climate*. Find out about the signs of climate change in cottage country, and get tips to help adapt your own property to these conditions. Visit the FOCA website at; <https://foca.on.ca/managing-your-waterfront-property-in-a-changing-climate/> to download a PDF copy of the publication.

Thank You!

On behalf of the KLCA, we would like to say a big “Thank You” to Jen Watson who is retiring from the Board of Directors. Over her 8 years as a Director on the KLCA Board, Jen has contributed to the lake in many ways including in her role as Treasurer, where Jen meticulously managed all KLCA monies, accounts, invoices, deposits, donations, GIC's etc. She always attended and contributed new ideas at board meetings and the AGM. You may recognize Jen as the one

who managed the results and scoring table at the Regatta over the past few years, after filling 100's of water balloons and sorting out all the trophies! Jen will be remembered for her hard work and dedication to the lake that she has loved since birth, taking after her late Grandfather, Cliff Watson, who discovered their family piece of heaven on Kawagama, way back in the 1950's. We will miss you Jen and we wish you all the best in your "retirement"!



Welcome!

The KLCA would like to welcome Cameron McGlade to the KLCA Board, as a Director in the position of Treasurer. Cameron's family first came to Kawagama 20 years ago. You may know Cameron from his 6 seasons of work at Mountain Trout House Marina. During part of that time, he lived on the lake year round for 3 years while he completed his marine mechanic apprenticeship. Cameron now lives and works in Toronto, where he has started his career in finance.

Kawagama Lake Perimeter Swim for Moorelands!

Hello Fellow Cottagers,

My name is Karin and I am in the process of swimming the perimeter of Kawagama and Bear in an effort to raise money for Moorelands Camp. As of tomorrow afternoon, I will have completed 1/3 of my swim but over \$1,400 shy of 1/3 of my fundraising goal of sending 20 additional children to camp. I appreciate the support of those of you who have already donated to this worthy cause and love seeing the flags on docks and decks around the lake. Please see the updates about my daily swims on the Kawagama and Bear Lake Facebook page. Here is the link to donate:

<https://www.canadahelps.org/en/pages/karins-kawagama-lake-swim-for-moorelands-camp/>

Donations of \$25 or more will earn you a flag!





Our mailing address is:

KLCA
P.O. Box 98
Dorset, ON
P0A 1A0

Just a reminder that you are receiving this email because you have given permission on the annual KLCA renewal form. If you no longer wish to receive these emails, please send a message with the title "unsubscribe" to membership@klca.org.

Newsletter Editor: Alisa VanDerToorn
