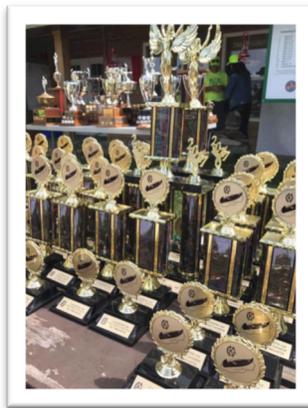




Photo by Eli Oszlak



Regatta — This year's annual Regatta saw many cottagers and their guests enjoy a fun-filled day at beautiful Moorelands Camp. Despite the rain, races were won, food was munched, eggs were tossed and sandcastles were built. The Regatta isn't possible without the help of many volunteers who all play an important role. We would like to say a special THANK YOU to all who contributed to this yearly tradition on Kawagama, including Mary, Jen, Kathy, Helena, Robert, Dave, Alexandra, Mike, Pat, Ellen, Bill, Rudy, Will, Christine, Carolyn, Jack, Scott, Stacey, Ron, Sue, Barb, Melissa, Sara, Brenda, Penny, Kelli Louise Debbie, Drew, Brenda, Claude, Pam, Rick, Craig, Geoff, Tom, Aiden, Cameron, Jack M., Alisa, James and Katie. Special thanks go to Peter Evans, Regatta Director, for pulling off a great event. As always, the KLCA donated

\$2500 to Moorelands as thanks for the use of their property and equipment. All trophy and cup winners will be posted on our website, www.klca.org, and will be published in *Reflections 2018*.

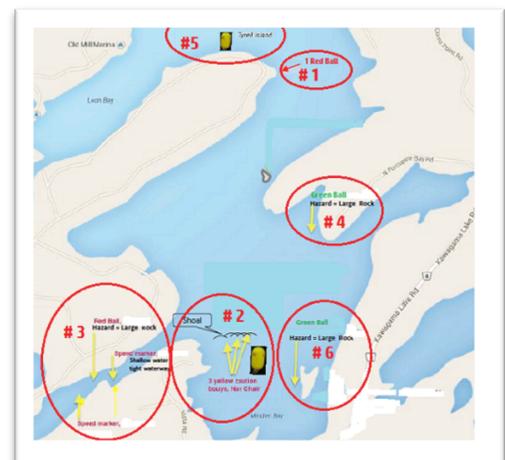
Adopt a Marker Program — *Minden Bay, White Trout Bay and Porcupine Bay*
Volunteers Needed!

The “adopt a marker” program operates on a “one cottage, one marker” principle. The idea is simple: if a marker is close to your cottage, you ensure it stays in place and take care of it throughout the season. This program has created an entire community around the lake that helps look after one another, ensuring the network is in place and all boaters stay safe.

We are currently looking for volunteers whose cottages are near these locations:

1. Entrance to Minden Bay (1 red hazard ball)
2. Minden Bay Shoals (3 yellow caution buoys)
3. White Trout Bay (3 speed markers, 1 red hazard ball near large rock)
4. Porcupine Bay (1 green hazard ball near large rock)
5. Near Tyrell Island (1 yellow caution buoy)

If you are willing to be a part of a team that benefits all cottagers on the lake, please email the KLCA at info@klca.org to express your interest. We will contact you with details of the easy steps of setting and pulling these markers each spring and fall.



Welcome! — *We are excited to announce that two new board members were elected to the KLCA Board of Directors.*

Kathleen Hedley was elected to the board in the role of Vice President. Kathleen has been on Kawagama since 1964 and her parents were both active in the KLCA – her Dad, Walter Lawrynuik was President for several years and her mom, Helen Lawrynuik, ran the annual regatta before passing the torch to Pat Campbell. At about 12 years of age, Kathleen did basic water tests for the KLCA and later chose a career in environmental protection, taking summers off to ensure her children could enjoy the full Kawagama experience.

Adam Pifko was elected as a Director and Chair of the Fisheries Committee. Adam has been a cottager on Bear Lake since 1975. He was lucky to be given the opportunity to spend his summers at the cottage during his childhood, and his days were filled with hours of fishing, searching every part of Kawagama Lake to find both bait and the best fishing locations. Whether fishing for trout or smallmouth bass, Adam has always been fascinated with the thrill of the hunt and the challenge of learning new techniques to catch varied species of fish.



Fireworks — The 2016 KLCA Fireworks were a huge success! Hundreds of cottagers enjoyed this awesome event on the Sunday of the August long weekend. We depend on your donations to put on a spectacular firework show each year. If you enjoyed this year's display, please donate to help ensure we can put on the same great show next year. It's easy! Just click the Donate to KLCA Fireworks button on the left side of our website at, www.klca.org. To those who have already donated this year, many thanks for your support!

Climate Change in Muskoka — *A summary of the workshop on Extreme Weather and Waterfront Property*

On August the 8th, the MNR and OCCAR (Ontario Centre for Climate Change Impacts and Adaptive Resources) put on a workshop geared towards representatives from 20 cottage associations with water control structures managed under the Muskoka Watershed Plan. The workshop objective was to increase the attendee's knowledge of climate change science, impacts and possible adaptations.

There were several expert speakers, including Heather Auld, Principle Climate Scientist, Risk Sciences International; Geoff Coulson, Warning Preparedness Scientist, Environment and Climate Change Canada; and Dan Sandink, Director of Research, Institute for Catastrophic Loss reduction.

A brief outline of the information they presented follows:

- Climate change is happening now.
- Within the last 40 years, Ontario has experienced changes in temperature, rainfall patterns, and extreme weather (by the 1990s the frequency of floods per decade has increased five-fold).
- 40 years of data have shown that Ontario is getting warmer.
- History is no longer a good predictor of future weather.
- We will likely experience more “stuck” weather patterns.
- Winters will be milder and shorter but warmer air will likely cause more snowstorm events.
- Climate change is being observed in nature; that is, the northern range boundaries of warm and cool water sport fishes in Ontario Lakes are shifting northward; ice cover declines on all great lakes are affecting coastal biodiversity in coastal wetlands and nearshore habitat, reducing ice fishing opportunities and rendering shorelines more susceptible to extreme winter storms; the risk of Lyme disease is emerging as a serious health threat in many parts of Ontario.
- Warmer temperatures help insect pests and disease overwinter.

Some interesting Information from Mara Kerry, Resource Management Supervisor, MNRF, and Amanda Vincent, Partnership Specialist, MNRF included the following:

- All water from the Muskoka watershed flows into Georgian Bay, a 300 meter elevation change.
- From 1940 to 2006 the Muskoka watershed was basically managed by a hydro generation plan.
- Since that time the Muskoka River Water Management Plan has controlled lake levels and river flows.
- There are 23 major lakes and 64 dams that form the backbone of the Management plan.
- Every morning, MNRF technicians compare water levels and river flows against specific “rule curves” in order to make changes as necessary.
- Inflows to lakes are much greater than outflows, so under extreme rainfall conditions, changes appear slow.
- Dams cannot manage flood conditions as they were originally built for hydroelectric generation and log transportation, not flood control.

What can we do?

Keep our shorelines as natural as possible. Shorelines converted to hardened or manicured shorelines decrease resiliency to change. Natural shorelines also provide benefits such as cleaner air, water filtration, and wildlife habitat. To avoid damage due to unexpected higher water levels, don't leave boats unattended and adjust docks and other structures to the highest known lake levels. We should all read and understand our insurance policies.

It is expected that there will be a summary form the Climate Change workshop that can be shared for those interested in a more detailed understanding of the above. An excellent document on “Managing your Waterfront Property in a Changing Climate” is available from FOCA for KLCA members.

For more information and copies of the presentation, please go to www.climateOntario.ca and look under “Workshops.”

Jim Kaufman and Eric Millar

Ontario Fish Facts: Lake Trout — *The following is reprinted from the “Lake Stewards Newsletter,” Summer 2017, FOCA. The author is Adam Jeziorski and he is a Research Associate in the Paleoecological Environmental Assessment and Research Laboratory at Queen’s University.*

About this Fish: Lake Trout (*Salvelinus namaycush*) are a popular sportfish native to North America and can be found in many Ontario lakes on the Canadian Shield.



Habitat: As many lake trout lakes are near the southern limit of the species’ range, lake trout tend to live within narrow temperature and oxygen boundaries in the cool, deep waters of stratified lakes.

Life Cycle: Lake trout spawn in the fall, preferring regions of the lake bottom covered in boulders or rubble. They are a large-bodied fish that is both long-lived (usually 10–20 years) and slow to mature. Therefore, lake trout have low recruitment rates and are vulnerable to over-exploitation, competition for food with introduced species, and habitat loss.

Predators & Prey: Adult lake trout are apex predators that feed on forage fish, but can switch to a planktivorous diet when necessary.

Other Interesting Facts: Due to their popularity as a sportfish, lake trout have been intentionally spread beyond their native North American Range, and are considered invasive in some parts of the world.

Status of this Species: As a cold-water fish with narrow temperature and oxygen requirements, lake trout are vulnerable to rising water temperatures associated with climate warming and excessive nutrient loading in lakes.

Septic Re-Inspection Program — *The Township of Algonquin Highlands has recently implemented a Septic Re-Inspection Program for its residents. WSP Canada Inc. (WSP), as a third-party consultant, is administrating the Septic Re-Inspection Program on behalf of the Township of Algonquin Highlands (the Township) and will be starting inspections in the spring of 2018.*

The Septic Re-Inspection Program is a discretionary program that has been initiated by the Township of Algonquin Highlands to help preserve and protect surface water and groundwater quality. The program will include inspections of all properties within the Township serviced by one or more on-site sewage systems in accordance with the amended Ontario Building Code (O. Reg.332/12). All existing on-site sewage systems regulated by the Ontario Building Code will be inspected for malfunction, deterioration, misuse and overall compliance with Part 8.9 of the Ontario Building Code to identify any operation and maintenance issues that could pose possible risk to human and environmental health.

WSP has developed the Septic Re-Inspection Program based on the re-inspection guidelines provided by the Ministry of Municipal Affairs and Housing and in conjunction with the requests of the Township of Algonquin Highlands. Class 1, 2, 3, 4, and 5 sewage systems, as defined by

the Ontario Building Code, must be inspected by WSP under the Program. Listed below are various classes of sewage systems that require an inspection:

- Class 1: Chemical/Composting Toilet, Portable Privy, Earth Pit Privy, Pail Privy, Privy Vault, Outhouse
- Class 2: Greywater System
- Class 3: Cesspool
- Class 4: Septic Tank and Leaching Bed System (including those with advanced treatment systems)
- Class 5: Holding Tank

Please note that if you do not have a septic system on your property, or have had a system installed and inspected by the Township within five (5) years of your target inspection year, it is your responsibility to notify WSP of this information to remove your property from the list of inspection properties. WSP will confirm this information with the Township of Algonquin Highlands.

The approximately 4,500 inspections will be completed within five (5) years (2018-2022, inclusive), and have been subdivided into four (4) main inspection zones (A through D). Each property owner will receive an information package in the spring of their inspection year to detail how and when to contact WSP to arrange for a preferred inspection date and time. The information package will also include an overview of what to expect during the inspection process and a questionnaire about your septic system that you are recommended to fill out and return to WSP prior to, or during, the inspection. At this time, it is expected that Kawagama Lake area will be inspected in 2021 and the property owner cost will be \$180, which will be added to your tax bill.

Each inspection will take approximately one (1) hour to complete and it is mandatory that the property owner, or a representative over the age of 18, be present during the inspection process. It will also be required for the property owner to ensure that the septic tank lid(s) are exposed prior to the arrival of the Inspector. Certificate letters will be mailed to those properties that do not require remedial action(s). Properties that have improperly functioning systems will receive a remedial action letter outlining the deficiencies and documenting the required actions and timelines for corrective measures.

Want more information about the Mandatory Septic Inspection Program? Go to:
<http://www.algonquinhighlands.ca/residents/septic-re-inspection-program.php>

Starry Summer Night Bash — *The following was submitted by the Starry Summer Night Bash Co-Chairs, Brenda Norfolk & Mike Wiebe*

What a great night! Despite the crazy weather, 200+ guests attended Starry Summer Night 2017. Everyone made the evening that much more enjoyable by dressing up in Canadiana costumes, making the room a sea of red and white. Live jazz, raffle and costume prizes, delicious food, cottage camaraderie and plenty of fun was had by everyone. Guests also had a chance to hear first hand from Autumn, a brilliant guest speaker, camp counsellor and leader. You could have heard a pin drop as she moved the crowd by telling how attending Moorelands Camp can be a positive, life-changing experience for a child growing up. We were all inspired by her comments.

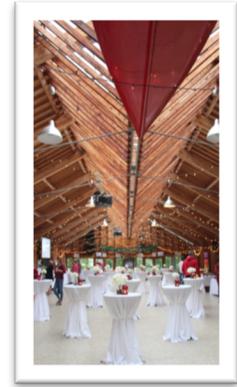


Emcee and cottager Adrien MacInerney got the crowd warmed up for auctioneer Wally James, of Apsley Auctions, as Wally showed our guests the many advantages and benefits of taking home one of the 16 live auction items. Wally also encouraged and challenged the crowd to remember why we were all there — to send 100 kids to camp. It got a little loud as some lively bidding took place, but in the end, when we tally up the totals, we are thrilled to say we reached our goal of sending 100 kids to camp.

Incredible silent auction items from more than 35 donors also made for some lively bidding.

We are incredibly grateful to our generous donors and committed sponsors: Muskoka Brewery, Flat Rock Cellars, ICON Digital, Mountain Trout House, and Old Mill Marina. We truly couldn't do it without you.

A special shout out to our many volunteers: water taxi drivers, photographer, servers, popcorn makers, raffle ticket sellers, pizza makers and more for stepping up yet again for Moorelands Camp. And to the staff at Moorelands for being the best support to us. You really make the evening special.



And to our big-hearted and charitable guests — thank you for being so generous and enthusiastic and for recognizing for the last three Starry Summer Night events that collectively, we can make a difference.

And of course, a big thank you to Mother Nature, who finally cooperated and gave us our Starry Summer Night in the end.

We hope you can join us next year on August 18, 2018!



Photo: Brian Paul

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 our emails, please send a message to: membership@klca.org with the subject line "unsubscribe."