



HLCA news

Haliburton Lake Cottagers' Association

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70th Year of HLCA

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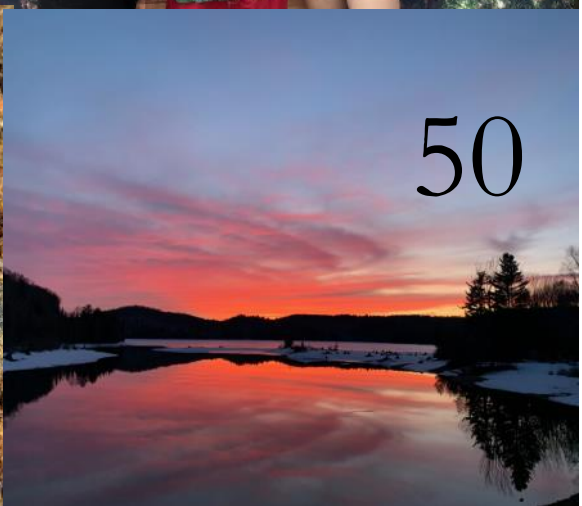
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President's Message

Finally! We returned to a traditional Haliburton Lake Summer in 2022.

The lake was busy with family and friends as everyone took the time to catch up on visiting neighbours and enjoying all that our community has to offer. We saw amazing participation at the HLCA events right from the start at the Christmas in July, through to the Corn Roast at the end of August. We also saw a record number of participants in the swimming program during the summer of 2022.

We have seen some exciting developments that have been facilitated on the lake over the last couple of years. The summer of 2022 was the start of another new initiative that the HLCA is undertaking with ULinks and nine other lake associations. The Lake quality testing program was undertaken to establish a statistical history for our water quality allowing us to monitor trends in water quality. The results from the first two tests are published starting on page 64. We would also like to highlight that Bob Bevan has completely updated the navigation markers for the HLCA.

The focus of the magazine is to shine light on the successes of the HLCA and the community. We hope you enjoy the 2023 version of our magazine and keep it on the coffee table for a quick reference. As always, we need to mention the production of this magazine would not be possible without our advertising sponsors. Please buy locally, especially during these times. Our website, www.haliburtonlake.com has links to the sponsors' websites under "Support Our advertisers". You can also find an electronic copy of this magazine on our website under the heading "HLCA Magazine".

Our membership remained level at 376 full and associate members out of 625 properties on the lake. This is great and we would like to see 75% of the properties be members of the HLCA. The 2022 financial health of the organization remains strong, and details are at the back of the magazine. Regular HLCA e-mail updates continue to 650 subscribers.

I would like to thank the other Board members: Candice Bradbury-Endicott (Memberships), Nick Mezzapelli (Webmaster), Larry Marion, Jay Kea, Kathleen Boss (Communications), Serena Bradbury (Secretary), Connor Blackwell, and Brady Siersma (Treasurer). The last year has been a busy year for the Board and their support and work is very much appreciated.

The Board is currently working on creating a Volunteer Program to function as one of the Cottage Associations' Pillars. We hope to engage more volunteers, and the program's goal is to recognize and reward those volunteers. We are a large lake community with many events that are orchestrated by a relatively small number of volunteers. Being an HLCA volunteer doesn't need to be a big time commitment and can be a great way to meet like minded people in the community. It can also be a great way for high school students to fulfill their volunteer requirements. Those valued volunteer contributions are a great way to make those unforgettable summer memories.

Big thank you to those members that volunteer to help out the Haliburton Lake Community! Special acknowledgements to Dave Freeman, Lindsay Bevan, Stacey Sgorlon, Brennan McLennan, Rob Newton, Rick Lee, Mike Boss, Maggie Lawrence, Barb Hammond, Wayne Taggart, Bob Bevan,

Sue Harrison, Carrie Di Francesco, Ev Fenwick, Lynn Yake, Paul Carey, Dave Bright, Lloyd Dunham, Andy Valikas, Julia Kea, Ali Kea, Paul Metcalf, Drew and Kristin Bishop and the many others that support our community.

To all our members, thank you for supporting the HLCA. The HLCA will continue to be here for the community today and in the future.

Brent McLean
President@haliburtonlake.com



Feedback from our Members

Thank you so much to all the volunteers!

Thank you for keeping us the cottagers updated and also I love the cartoons.

Thanks for all you do to make our lake extra special!

Thanks you for all the hard work the board has put in this last difficult year!

Thanks for everything you all do, we have a great lake thanks to an amazing association.

Thank you so much for all your great work!

Thank you for all that the board does for our lake on behalf of all the cottagers!

Thanks for all the executive does. We appreciate the weekly emails, fantastic work!

This is the most comprehensive coverage and recent revision of the changes I have seen. It answers all the questions I had. I very much appreciate your sending this out to the membership.

Always enjoy your updates—Thanks!

We are very thankful for what our association does for cottage life on Haliburton Lake!

2022 Annual General Meeting

The summer of 2022 started May Long weekend with the return of the HLCA General meeting being held in person at the Hall. YAY! It was on this day that we got to thank Brad and Maria Willing for their years of commitment to the Haliburton Lake Community and welcome John and Michelle Mihalic as the new owners of Fort Irwin Marina. Other guests included Mayor Andrea Roberts, and Councillor Walt McKechnie who brought those members in attendance up to speed on such municipality topics as the shoreline bylaw, short term rental licensing, cell tower service and the septic maintenance program. A new lake quality testing program was introduced by Lindsay Bevan.

The 2022 HLCA Board consisted of Brent McLean (President), Serena Bradbury (Secretary), Brady Siersma (Treasurer) who finish their two-year term this May. The Directors of the HLCA agreeing to remain on the board in 2022, Nick Mezzapelli (Web Master), Kathleen Boss (Communications), Candice Bradbury-Endicott (Membership), Larry Marion, Jay Kea and Connor Blackwell. Without these people, programming, information and representation provided to the membership would not be possible.



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Christmas in July

Our second Christmas in July saw a full beach with all the kids getting reacquainted with their summer time friends over some snow cones, cookies, crafts and pictures with Santa. Thanks to Serena Bradbury and her team of elves / volunteers for another great success!

We look forward to this event again during the summer of 2023! We will start the summer programming with this event, on **July 1st**, prior to Fireworks that evening.



Bingo

Thank you to the Kea family for their continued dedication to all things Bingo! Julia and Ali returned to call the Tuesday night bingo sessions, with great attendance. August 2nd saw a full house of 55 kids in attendance. Our famous Pizza Bingo returned in 2022 raising \$173 in donations and 80 non-perishable food items for the food bank. This summer bingo will start July 4th and run through August 15th. The 2023 Pizza Bingo nights are scheduled for July 25th and August 15th.



Fireworks

For the first time in a couple of years we had Canada Day Fireworks on the proper weekend and we did not have to fight the weather. The Fireworks Team actually had to wait for the beautiful night sky to get dark enough for the show to start. Thanks to everyone that donates to Fireworks as it continues to be our most popular event.

Currently the work of Brendan McLennan, Rob Newton, Rick Lee, Mike and Ethan Boss is appreciated, but we would like to add to this team. Training is covered by the HLCA. If interested, please contact Brent at; president@haliburtonlake.com

Member Comments:

Wonderful display of the fireworks last night, great job

Thank you so much for the Fireworks, it was a fantastic display, the kids loved it, you guys are wonderful and we really appreciate the time and effort you put into it.



Loved the show! The fireworks were absolutely incredible this year.

Thanks to everyone who worked to put on the amazing show last night. This is our third year and it's one of my highlights of the year.

Good show last night. Thank you! My son especially liked it, but so did us bigger kids!

Absolutely incredible show. Thank you so much for everyone for all the hard work that went into putting in that amazing show! Here are a few pictures from our dock!

You all did an amazing job. My family thoroughly enjoyed every minute and we appreciate your efforts. Thank you

The fireworks were amazing!! Spectacular display!! Our whole family enjoyed it from the boat!! We cannot thank you enough for all your hard work!! We so appreciate it. It is our favorite part of summer!!

Thanks to the team!



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FEATURING
LOCALS

34
TAMMY
EVERITT

17
WES
HAMMOND

38
ANDREA
HAMMOND



2023 POWERBOAT RACES

10AM TO 5PM

AUGUST 19-20

HEAD LAKE HALIBURTON

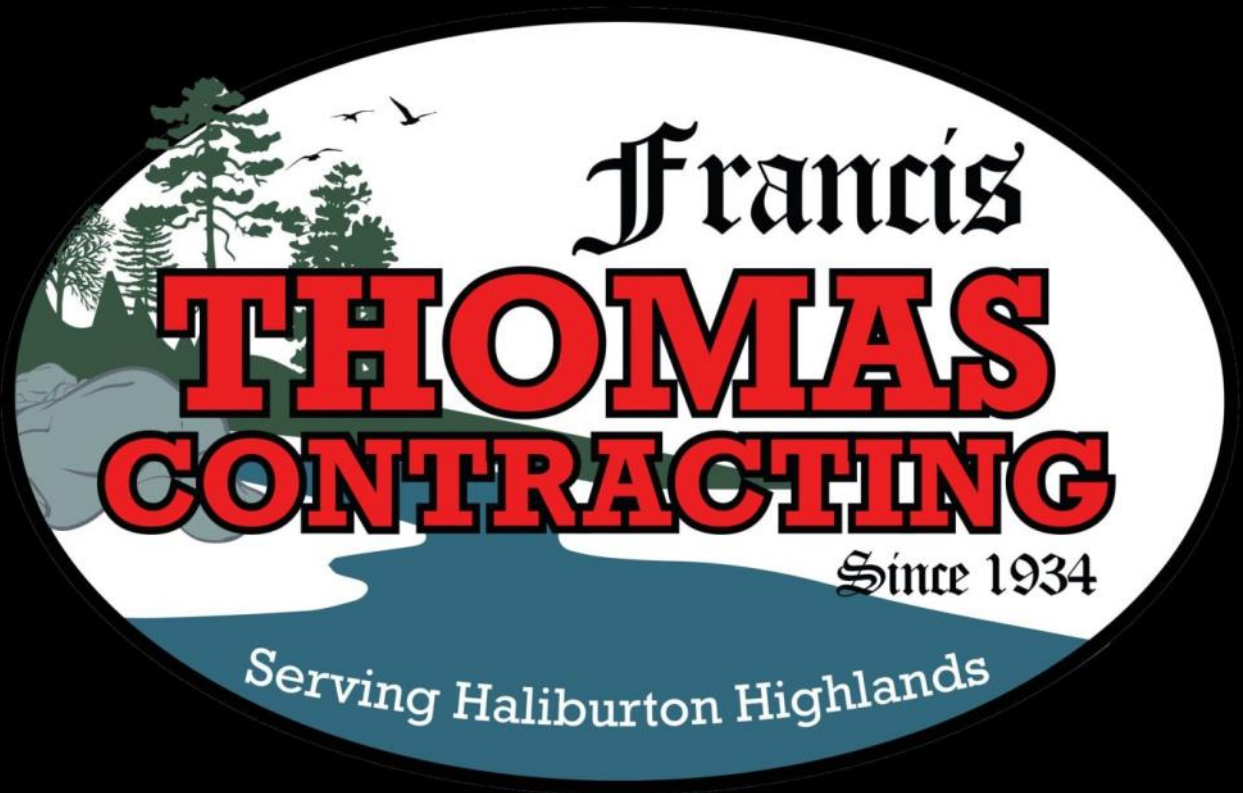
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Rock Bass Fishing Derby

First, thank you to Jay Kea for leading and hosting a fabulous Rock Bass Fishing Derby. Special thanks to those who participated - We had a great turn out!

Another successful year of fishing. The total weight of Rock Bass taken out of the lake by the kids was a whopping ~ 216 pounds. Good Times fishing!!

We'll do it again this summer!!

Rock Bass Fishing Derby on Haliburton Lake

Goals of the Fishing Derby:

1. Control the population of the Rock Bass to improve the Small Mouth Bass Population
2. Have a ton of fun fishing for this great sport fish
3. Attempt to win one of the three weigh-in prizes:
First = \$15 gift certificate; **Second** = \$10; **Third** = \$5 (Gift Certificate is for the Fort Irwin Marina)

Fishing Derby Plan:

1. Catch as many fish as you can over the course of the week
2. Place the fish in grocery bags in your freezer
3. Bring the bags of fish to be weighed in at the public beach on Sunday

How to Identify Rock Bass



Red Eyes Spiny & Smooth Dorsal Fins Combined
6 Spine Anterior Fin

**Weigh in Sundays from 12:00-12:30 (July 22-August 13)
near the play structure at the Public Beach (Hodgson Road)**

Thank you for supporting the Haliburton Lake Cottagers' Association!!
<https://www.haliburtonlake.com>





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Check out our Events Calendar for Summer 2023! →

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Scavenger Hunt

The third annual Scavenger Hunt enjoyed some awesome weather over the weekend. We certainly saw an increase in activity within South Bay as participants tried to fill out their lists. Thank you to all those that participated and to Sue Harrison, Lynn Yake, Carrie DiFrancesco and Ev Fenwick for organizing the Event.

A big THANK YOU to everyone who participated in the 2022 HLCA / FIRA Scavenger Hunt and to those who were so generous with their donations!

Prizes were awarded for a number of fun categories and a few were picked from a draw. Numbers of items found, cute photos, creative or favorite displays, best answers to questions asked on form, amongst others.



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Regatta

The Regatta has been part of the HLCA for decades and is a major part of the summer and the lake community. The past two summers felt inconclusive without it. Once again Serena Bradbury took charge and did the heavy lifting to make the Regatta the centre piece of the summer. Many thanks to those volunteers that donated time or raffle prizes that makes this go. The Regatta continues to be a major fundraiser for the HLCA and earnings from this event help to offset our costs for programs such as Swimming Lessons, Bingo and the Fishing Derby.





HORSE SHOES

1. Derek Hillaby and John Shaw
2. Walter Powell and Taylor Powell

VOLLEYBALL

1. I'd Hit That - Emma Winnatoy, Alexis Bagshaw, Heidi Bagshaw, Erika Bagshaw, Marnie Anderson, Matt Winnitoy, Gord Dubm, Scott Macleish, Ryan Shier, Mark Mitchell
2. Lakers - Sarah McLean, Lyndsey McLean, Keaton Phillips, Jacob Holt, Rob Newton, Erica Fisher, Colin McLean, Josh Lounds
3. North Enders - Alicia Gied, Tanner Shillum, Edim Santal, Terence Zaton, Awri Cyr, Mason McKenzie, Ben Ambrose

REGATTA RUN DOWN

1. Christy Gardner
1. Duncan Smart
2. Terry Labach
3. Heather Dixon

Sandbagger Award - Josh and Jada Millman



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Swimming Races			
	First Place	Second Place	Third Place
Boys 4 & under	Rhys	Ross	Jack
Girls 4 & under	Claire	Vivian	Isla
Boys 5 years	Wyatt	Beau	
Boys 7 years	Oliver	Lian	
Girls 7 years	Callie	Marissa	Evelyn
Boys 8 years	Eli	Kyle	Nick
Girls 8 years	Chloe	Olivia	Molly
Boys 9 years	Beckette	Louis	Daniel
Girls 9 years	Sierra	Emily	Awbrey
Boys 10 years	Eagar	Keenan	Zak
Girls 10 years	Kaiya	Riley	Bryce
Boys 11 years	Cayden	Mathew/Owen	Ryan
Girls 11 years	Annabelle	Dennika	Olivia/Noelle
Boys 12 & 13	Josh	Owen	
Girls 12 & 13	Bailey	Kennedy	McKayle





Corn Roast

The corn roast was resurrected on a beautiful late August summer night with live entertainment. This event had a great turnout and we managed to go through 25 dozen cobs of corn. HLCA members and guests were entertained with two live acts, first a solo artist Mike Neil, followed by the music of the Impish Grins. As the feedback to this event was very positive the HLCA will again make this happen on August 26th and yes the Impish Grins have agreed to return!





Swimming Lessons

Each year, the HLCA operates a swimming program under the guidance of the Canadian Life Saving Society. This supports one of the association's strategic objectives of safety and has been operating for many years. The curriculum offers parent and tot, preschool as well as swimmer programs. The program is operated at breakeven but many years runs with a shortfall which is covered off by HLCA membership fees. The program welcomed a new volunteer leader in 2022, A big thank you to Stacey Sgorlon for filling this role. The summer of 2022 saw a total registration of 161 participants which is the most in the last ten years. A week of swimming lessons costs \$40 for HLCA members and \$45 for non members.

Sessions run every week starting **Monday July 3rd** and the last week of lessons start **August 14th**.

Those who are wishing to register for lessons, you can register online at www.swimming@haliburtonlake.com or at the Public Beach Monday mornings at 9:00 am. Any questions email president@haliburtonlake.com or swimming@haliburtonlake.com



Kids Softball

Did you know that the HLCA offers kids softball every Wednesday at the Public Beach. This year it starts on **July 5th at 3 pm.** The HLCA provides adult oversight by our swim instructors, plus the equipment which includes balls, bats, bases and some gloves. Don't be shy; please join in for the summer of 2023.



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Fort Irwin Residents (FIRA)

Fort Irwin Residents' Association (FIRA)

Open to all area residents and cottagers!

Fort Irwin Residents' Association (FIRA) is a local social club that provides member activities all year long. We work closely with HLCA and membership fees are discounted if you are a member of a local lake association.

Seasonal cottagers as well as full time residents are welcome to join and support FIRA. Many members are cottagers who spend extended time here, enjoy making new friends and participating in our many activities and events.

FIRA initiated a club improvement plan in 2022 which involved a complete renovation of interior paint and decor, new chairs, card tables, TV & sound system, dart boards, mahjong, and cribbage games and updated website at firahall.ca

- Our hall is located near the West Bay boat ramp, has kitchen, washrooms and a book exchange library. With central heat and A/C, it provides comfortable use all year. Available for rent with a discounted rate for members!
- Group fixed price program for propane offers protection against seasonal price increases. These savings often exceed dues, depending on usage and changes in the market rate.
- Fitness activities currently on Tuesdays and Thursdays with more activities possible Zumba and light aerobics/walking on DVD, and Tuesday group outdoor walks Line Dancing every other Thursday afternoon
- Wednesday Ladies' mornings offer coffee, good company and conversation as well as interesting craft projects, workshops, and knitting.
- Friday Darts Happy Hour is a great way to kick-off the weekend. BYOB and a snack if you like and join in on some darts in a casual, fun atmosphere with good conversation and music. Skill levels vary widely and no experience is necessary, so all are welcome!
- Fun Games with Monday afternoon Mahjong, Monday evening Bid Euchre, Thursday evening Cribbage. Newcomers welcome and will be taught how to play!
- Happy Hours/Bonfires (BYOB & snack to share)
- Group Meals: Monthly pot luck, Fall pig roast, Harvest Lunch, Christmas dinner dance
- Special events for FIRA members: Silent Auction, Casino Night, Christmas cookie swap
- Events such as our Annual Pancake Breakfast the 3rd Saturday of August Enjoy music, lake pictures and local real maple syrup with your meal!

To become a FIRA member or get more info, contact any Executive Board Member:

President: Cindy Woodrow, 705-754-3424, firapresident@gmail.com

Vice President: Jeff Vanderkuur

Past President: Bill Odell

Treasurer: Joe DiFrancesco, firatreasurer@gmail.com

Secretary: Carrie DiFrancesco, frasecretary@gmail.com

Member at Large: Wayne MacKenzie

Member at Large: Lynn Yake

Check out our website www.firahall.ca for additional information



Life Announcements



Jillian and Adam got engaged on a family winter trip to Costa Rica. Wedding bells will be ringing in October, 2023!

The Ludwigs on South Bay



The Blackwell cottage in West Bay is welcoming a new baby! Mallory Jan McAninch arrived on March 21 in London Ontario. Her parents, Jocelyn Blackwell, Trev McAninch and big brother Oliver couldn't be happier to be introducing her to all of her Blackwell and Feagan extended family members who cottage and live around the lake!



Great grandfather Don Avison holding the newest generation starting to create memories at the Avison "haliburton special". Hunter and Hailey Avison-Herrington, born to Taylor and Justin. They are the grandchildren of Brian and Jill Avison.

Jean Freeman (nee Campbell)
November 22, 2022



Peacefully, with her family by her side at Haliburton Hospital on Tuesday morning, November 22, 2022. Beloved wife of Ken (2013). Loving mother of Cathie, Elizabeth and David. Much loved Nana to Richard, Jeanette, Nicole (Stefan). Jean was the proud owner of the Bush Boutique at Haliburton Lake for many years where she enjoyed creating arts and crafts with residents and cottagers. An avid quilter and world traveler, Jean was loved by many. The family is grateful for the friendship and care provided by Margaret and Linda over the years in addition to the many friends and neighbours that provided Jean with love and support.

Celebration Of Life

A Celebration of Jean's life will take place in the Spring of 2023. As an expression of sympathy, donations to the Haliburton Highlands Health Services Foundation - Palliative Care Unit would be appreciated by the family.



HLCA thanks Parker Pad & Printing for their support and printing the 2023

HLCA magazine and membership letter

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Lake History - Smiths

By Gladys Watson 3rd generation and Madelyn Cocking 5th generation
Rockview, South Bay

5 Generations, 70 Years and countless Memories

In 1953, I was five years old when my parents acquired our cottage property on South Bay, Haliburton Lake. Before this, our family had enjoyed spending time at friends' cottages but my parents didn't expect they would ever own a cottage property. Dad writes in his memoir that a friend told them by chance about the Ridout Real Estate company's plans to develop cottages on Haliburton Lake.

...later she called with more detail which indicated a low, down payment with a mortgage to be paid off monthly. What had seemed an impossibility now appeared to be possible. Soon we found ourselves on the way to Richmond Hill and the Ridout office where we heard the promotional spiel and signed on the dotted line. Our agreement was subject to our visiting the location and choosing a suitable lot.

A trip to Haliburton soon followed and our parents chose Lot 72 on Plan 331. Within ten days, Clarence Howe and his crew had built our cottage, a frame structure set on concrete blocks. Very soon, our maternal grandparents joined in the venture and it became a family project.

Reflecting on this seventy years later, I see the ingenuity, creativity and determination of our parents shining through. Our father was a United Church minister so the family budget was tight, and all of this was happening in the context of the early 50's post-war economy. Yet, somehow they figured out how to make our family cottage a reality. The cottage frame structure was new but everything else for the cottage was salvaged or scrounged. Things were re-used, re-purposed and adapted.

From my five year old perspective in 1953, it was all incredibly exciting but there are some highlights from the first couple years that hold in my memory.

Early experiences in the natural environment...

- the peeling texture of birch bark; sticky fingers from the pitch on the pine trees
- discovering leopard frogs and green frogs in the swamp; watching the giant bullfrog sunning on a log
- the sudden slippery movement of garter snakes
- watching minnows darting through shallow water
- hearing so many bird songs, especially the cry of the loons

Making the cottage livable...

- I remember frequent trips over winding gravel roads in the back seat of the car, the sturdy wooden car-top box, and Dad's trusty trailer all packed to capacity. And sometimes, grandfather and one of the uncles would arrive with the farm pick-up truck fully loaded.
- In his memoir, Dad describes how the empty cottage shell was gradually fitted with used furniture, beds, dressers, chairs. A wood stove came from our grandparents' family farm. A used dining room suite was purchased at the Boy Scout auction at a bargain price, and seventy years later, it still serves as the family gathering place at meal times.
- Before the beds arrived, I remember sleeping on old army camp cots, heavy canvas slung on foldable wooden frames.
- Although in later years, there were sleeping bags, our early bed coverings included crazy quilts made from scraps of fabric from old clothing stitched and tied together with bright coloured yarn. And there were wool blankets. Some were dark gray, heavy war-time blankets but others were coloured blankets that came from a New Brunswick mill that recycled old wool clothes into durable wool blankets.

Priority projects...

- The first construction project was the outhouse, a necessary convenience when living without electricity and running water. Then, we needed screens for all the cottage windows.
- To get to the lake, we had to slide down the sandhill in front of the cottage and then grab hold of a rope to help climb back up. For a five-year-old, this was great fun but the adults quickly made it a priority to build stairs down to the lake.

Our playhouse

- The Scout troop in our hometown had purchased new camping equipment to replace the old, heavy, cumbersome, war-surplus bell tents. Never missing an opportunity, our parents acquired one of these tents, cut it down, and refitted it to make a playhouse. It worked and it lasted several years. It was a playhouse, but soon my sisters and I imaginatively transformed it into a "bake shop", spending many hours making and decorating "sand" pies and cakes, then opening our "bake shop" for sales.



- During black-fly season, when we wanted to go out to the playhouse, our mother figured out a way to give us some protection from the flies. Not only did she tie our shirt sleeves closed at the wrist and our pant legs at the ankles but she cut up old nylon stockings which we pulled over our heads. She tied a knot on top of our heads and the stockings tucked into our necklines. It wasn't perfect but gave us some playtime out-of-doors with minimal bites.

On the waterfront...

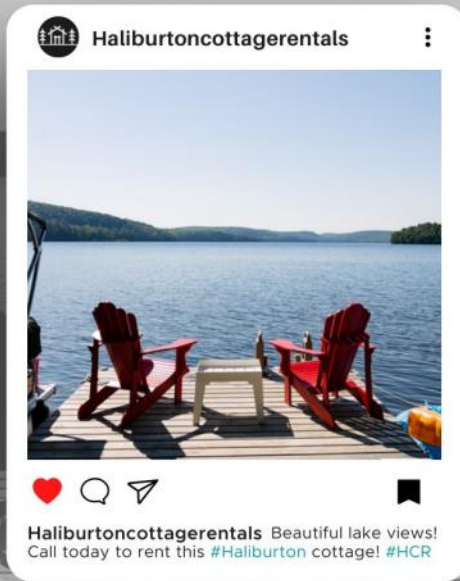
- In the first year, to keep us from straying into deeper water, there was a home-made line of buoys, made from empty oil cans strung together with rope.
- Many of our water toys were recycled. We had hours of fun playing in the lake with inner tubes from car tires, and as we grew older, there were giant inner tubes from tractor tires and a home-made wooden raft.



Without electricity...

- Without electricity, water was carried by pails from the lake and drinking water was brought in jugs from the natural spring. I remember making trips to the spring, stepping out of the hot sun onto the cool shaded rocks around the spring and tipping my head to catch a drink of cold water running from the spout.
- Coal-oil lamps provided lighting, the wood stove was used for cooking, and there was an ice-box to keep food fresh.

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- Dad went every other day to Fort Irwin “centre” to buy ice for the ice-box and I loved to go with him. On these visits to the ice-house, I remember being amazed to see huge blocks of ice packed in sawdust. I found it hard to believe that these blocks of ice that had been cut from the lake during the winter and packed in thick layers of sawdust actually stayed frozen despite the summer heat. We would step inside the ice-house where it was suddenly cool. A chunk of ice would be cut off and large metal calipers used to carry the ice to our car. Dad always had a heavy piece of tarp ready to wrap the ice and then we immediately left for the cottage where we loaded it into the ice box.
- Something I don’t remember but Dad mentions in his memoir is the business of emptying the drip pan as the ice melted in the ice-box. I guess the drip pan overflowed a few times on the kitchen floor so they decided on a quick fix. They drilled a small hole in the floor, then inserted a funnel to catch the drip and feed it to the hole below.

Our first boat...

- I remember travelling with Dad and his friends to the Kawarthas to pick up our first boat in summer 1954. As with most everything else at our cottage, the boat was not new. It was an old boat, a dipper or dispro, one of the “disappearing propeller” boats manufactured in Muskoka from 1915 to mid-1950. To the best of our knowledge, at the time, it was the only one of its kind on Haliburton Lake. So as Dad says in his memoir, “she was something of a curiosity as we put, put, putted through the wash of the more powerful and faster outboards.”
- But, starting a dipper can be a challenge. Dad was patient but often, without a self-starter or pull cord, it was necessary to repeatedly spin the large flywheel by hand to start the motor. And sometimes, it just didn’t start.
- Although I was initially excited and pleased to have the boat, I must confess that over time, I became a bit embarrassed about the old dispro and hoped that some day we could acquire a new outboard. Fascinating how things come full circle. Today, restored dipper boats are valued in the vintage wooden boat community. But at least we have one of the brass oarlocks from our old dipper which we cherish as a keepsake.



By: Madelyn Cocking 12 years of age, 5th Generation (granddaughter of Bev Aikenhead, 3rd generation)

As part of a family who has used our cottage since 1953, there's a nice mix of 2023 as well as a bit of 1900s. As you can imagine, cottage life has evolved over the last 70 years, just like my family has.

There are things like the tin boat and the original stone fireplace that are old and have been around for as long as I can remember. There have been some high tech things added like the TV, the microwave and internet! Beyond the physical elements, there's old traditions like our measuring wall, every year we measure everyone's height. My Grandmother is on the wall. I'm taller than her now and I'm only 13. The picture wall is another of my favourite cottage features. We have pictures from the 1950s to the 2020s. Everyone in our family who has been to our cottage, is on that wall. Euchre is one of our favorite cottage pastimes. We as a family have and continue to enjoy countless games of euchre often joking that there are 'cursed seats' (though the cursed seats are the ones the losing team is sitting in.) My sister and I hold the proud record of beating our grandparents in euchre! Another thing I do with my sister and cousin is use all the old clothes up at the cottage to dress up. It's a lot of fun and we have taken many pictures of all the costumes we've made.

Of course, cottage life doesn't just happen inside the cottage! We also hike up to the very top of the huge rock on South Bay that inspired the name of our cottage, Rockview. There are many pictures of my family at the top of the rock that are hung on the picture wall. We also participate in swimming lessons at the public beach as well as swim at our own beach at Rockview. Though it's often cold when you initially get in the water, it is a lot of fun once you're in and swimming. It's also fun because both my grandma and my mom did those things as well.

Many people think that 'old' means worn down and not the greatest quality, but that isn't necessarily true. The few people who still own the old cottages know what I mean when I say an old cottage is just a cottage that has created more memories.



Lake History - Newton Family

Point of View, South Bay

By: Sarah McLean 4th generation

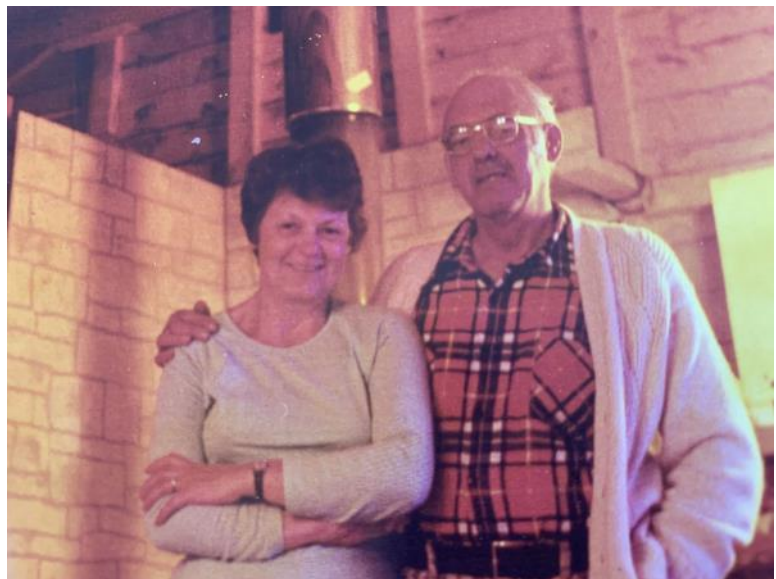
Seventy years ago, my great grandfather took a rather risky chance. He put a \$100 deposit down on a parcel of land at the Toronto Sportsman's show, sight unseen. From this one action, my family's legacy was born in 1953. A legacy that 70 years later, my family still strives to continue.

I count myself lucky. I've been around for 23 years of our lake's history. I know that intrinsic parts of myself are tied with our community. "Haliburton Lake is where I grew up". That's what I often tell people. It may not be where I was born, or even where I live for most of the year, but it is where I *live*. It's where I learn about myself, my capabilities, my limits. It has always been where I learn to be resilient, where I ground myself and the best place to just stop and take a second to listen to the world around me. I owe this peace to my great grandfather Hugh and my great grandmother Florence (with whom I share a name). I owe it to my grandparents, Graham and Lynda, my mom Carrie, her brother Rob, and his family, to my dad, Brent and to my sister, Lyndsey, as well as the crew we've built over time, which includes friends, aunts, uncles, and cousins galore. All of us, each generation, have contributed pieces of ourselves to the dream our cottage represents.

The 70th anniversary of our lake community has me reflecting on what it means to be a fourth-generation cottager here. To me, it means being what I am calling a guardian. I am a fourth-generation guardian of the memories, stories, values and traditions we have all created over 70 years. I am a guardian of the land, of family, of sights, sounds and experiences too. I guard all these things so that one day, future generations of my family and maybe even yours, will be able to learn from and pass down pieces of our shared history. Because that's what I think is really at the centre of our community - shared histories and experiences.

My "origin story" for lack of a better word, is linked with Haliburton. Simply put, my grandparents wanted a grandkid. My parents wanted a ski boat. I was born in early 2000. On the back of our '99 Malibu you can find the word 'baby'. Honestly, a good trade if I do say so myself. I grew up with the rumbling of that engine in my chest. I can tell you which boat on the lake is coming up from the bridge just based on engine noises. I spent hours on the dock reading my grandfather's old (musty smelling) Hardy Boys and Nancy Drew books.

With my sister, I stayed in the lake until I was wrinkly, chasing fish. We made mud pies, hunted for frogs, dug holes in the beach and ran through the forest beside our house, barefoot and collecting sap in our hair (ew) and slivers in our hands (ow). I learned the currents, shallows, and depths of our lake better than I knew my neighbourhood in the city.



I drove a boat before I learned to drive anything else. There are photos of small me in a bright yellow life jacket being taught to drive our fishing boat by my grandfather. I could barely move the engine then. I learned how to park the boat, how to beach it, how to tie it up and even when to give up paddling the boat and just jump in and tow it home myself when the gas line fell out without my noticing. (I learned to check the gas line regularly *real* quick after that incident). At night, I listen to my parents and grand parents' stories of the cottage. The sun sets as we eat, and my sister runs outside to take a photo. The sun casts a pink and orange glow on the lake from the light reflecting off the surface, which my great grandmother said made it look like diamonds are floating there. It's fitting really, those kinds of nights could make anyone feel rich. After dark, the kids wash up. My grandfather puts a vinyl on the turntable – Milli Vanilli anyone? – and settles down with some ice cream, my dad and grandma sit at the table with wine (“we’re solving the world’s problems”) and my mom watches us all. In the morning when the lake is glass and mist still floats over the surface, around 20 people pile on our dock along with wetsuits and water skis at hours too early for the weekend to waterski. We squabble over who gets first water and drink our coffee while the boat acts as an unwanted alarm clock for our neighbours. Sorry everyone. The skiing can last hours and sometimes people come down to their docks with their coffees to watch.



I offer you this glimpse into my family’s life because I think many of us have had experiences like these. By ‘shared experiences’ I don’t mean to say all of us were conceived because of a boat, I more-so mean that many of us have had experiences like mine that make you feel loved, or ones that make you shriek with laughter and quiet with appreciation. They don’t all need to look the same, but it is these

feelings that bind us together and give us a sense of togetherness. My friends always ask why we all wave to each other when we see each other out on the lake. “Do you know them?” they ask. I usually say no because putting a name to a face isn’t the same as *knowing* someone. But I don’t think that is true. I don’t know the name of your childhood pet, or what colour your first car was, but I think we do *know* each other on some level. Maybe we wave to acknowledge the shared experiences we are slowly forming into a shared history to be kept and passed down to future generations. Collectively in this unique community, we have 70 years’ worth of shared experience.



Not only is the fabric of our lake woven from family ties but from family found too. We have all created crews like the one my family has at one point or another. The funny thing is, those crews are all interconnected, with all of us knowing each other one way or another. We have 70 years of interconnectedness to celebrate this summer. 70 years of memories, laughter, family and HLCA contributions to honor and commemorate. At this point in our history, it does not matter what generation cottager you are. After seventy years of shared experience, it is your time to be a guardian. Be a guardian of whatever you'd like, but keep it close, share it with others. Create a shared history and share it with your next generation to inspire them to do the same. From one guardian to another, I leave you with what I have learned from my family's legacy: Don't be afraid to put down that hundred bucks sight unseen. Because that one action might just create a 70-year-old legacy.





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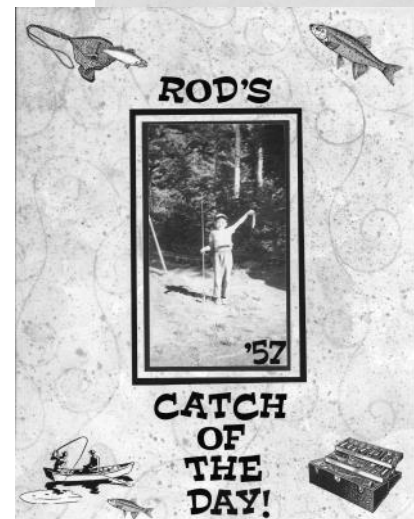
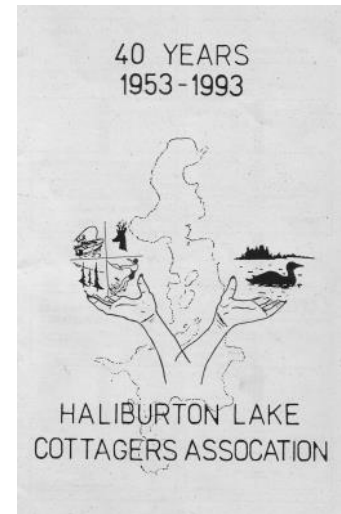
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Lake History—Knight nee Bradbury

In celebration of the 70th anniversary of Haliburton Lake, Sandra Knight (nee Bradbury) sent in some of these pieces to be shared.

- The first photo is a booklet celebrating 40 years of Haliburton Lake. It included pictures of the Hodgson Mill in the early 1900's, the first South Bay Cottagers' Association 1953, the original HLCA Church and Hall and the original bridge being built in Fort Irwin in the late 1800's.
- The second photo is one of the original advertisements for the Riviera Model sold by Ridout Real Estate.
- The Catch of the Day picture is Sandra's brother Rod, who is now retired and a resident of the lake.
- The fourth attachment are pictures of the original cottage on South Bay of Howard, Frances, Sandra and Rod Bradbury located at Plan 331, Lot 46 which is now 1276 Dignan Road. At one time, there were 6 Bradbury families with cottages on South Bay.



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We had no hydro or inside plumbing. The wood stove was used for keeping the cottage warm on cold nights and for cooking food. Except for the front and back doors, the windows and inside doors were covered with old drapes and sheets.

Mom, Rod and I spent earlier summers up at the cottage, with no car or boat.

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HHHS Foundation



A Foundation for the Health of the Highlands

The HHHS Foundation is extremely grateful for the ongoing support of the community members and lake associations like the Haliburton Lake Association and we thank you for your dedication to building a strong community. Although we never want to see you at the Haliburton Highlands Health Services emergency department, we are happy to provide the best care possible when you need us.

It's long been the reality in Ontario that provincial government funding does not pay for equipment for community health care facilities – the communities themselves are expected to raise these funds.

This is where we come in. The HHHS Foundation is a registered Canadian charity, with a mandate to support the hospital and health care facilities in the Haliburton Highlands through capital campaigns, the purchase of priority medical equipment, and supporting community programs.

Haliburton Highlands Health Services (HHHS) strives to be a leader in innovative rural health care, providing an integrated system of health care delivery, working closely with local and regional partners to promote wellness and provide access to essential health services, including Primary Care, Hospital (Acute Inpatient and Emergency Care), Long-Term Care, End-of-Life Care, Mental Health & Addictions Services, and Community Support Services.

The HHHS Foundation's entire mission is to raise funds for health care needs in Haliburton County. As such, we have raised over 18 million dollars since 1996 for local health care through the generous support of individuals, businesses, community groups and associations near and far. Funds are raised through personal, business & corporate donations, special events, promotions, annual giving, bequests and a special gift program.

The HHHS Foundation has four main areas of focus: emergency & hospital care, long term care, education and community support services. Emergency and hospital care is vitally important in a region with an abundance of high risk activities like water sports as well as an aging population. This is our biggest area of focus. In recent years, we have funded stretchers, ceiling lifts, telemetry equipment, portable workstations for doctors and are currently working to fund “smart” IV pumps. Diagnostic equipment is also needed for emergency and hospital care – this is the top priority for 2023 – replacing old equipment and supporting the feasibility of providing new diagnostic services like CT.

Secondly, we support the two long term care facilities – Hyland Crest and Highland Wood, providing funding to ensure facilities are up-to-date and serving the needs of the residents. Our third priority is to provide educational opportunities for staff to better their skills and develop their career for the good of health care in the highlands. Lastly, and one that is dear to my heart, we subsidize community support services like meals on wheels and medically required transportation for those in need. Poverty and mental health issues affect many people in the county and it is very difficult for some families to make ends meet and get to appointments that can be life saving. The focus for the HHHS Foundation will change as the needs of the community and local health care evolve, we raise as much as we can to work towards a thriving healthy community for years to come.



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The Haliburton Lake Association is welcome and encouraged to host events and challenge each other with matching campaigns in support of local health care. The HHHS Foundation will support and promote these events however we can. We can even track donations made in connection with the Haliburton Lake Association and provide you with the end of year results.

To support health care in your community, contact the HHHS Foundation to make a gift by cheque, online or over the phone. Please indicate that you are a Haliburton Lake Association member to track the association's progress:

To make a donation online, go to hhhs.ca/foundation, click on the "Donate Now" button and make a regular donation. Please enter "Haliburton Lake" in the "Company Name" section of the form to ensure that your donation is tracked as part of the Haliburton Lake Association total.

To make a donation over the phone, please call **705-457-1580** to pay by credit card.

Cheques can be made out to "HHHS Foundation" and mailed to :
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To make a donation through CanadaHelps.org, search for "Haliburton Highlands Health Services Foundation", choose "General Donation" and include Haliburton Lake in the "send a message" section.

The Foundation will track the overall progress toward the goal (maintaining the confidentiality of information on individual amounts donated) and report it to your Association.

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Shoreline Naturalization

For most people, when they think about their cottages or homes in Ontario’s “cottage country”, the first thing they think about is the lake. Campfires by the lakes, drinks on the dock, boating, fishing – so many things we love about this area revolve around being on or near the water. This is especially true in the Haliburton Highlands, home to over 500 lakes spread across a beautiful and rugged piece of the Canadian Shield, featuring sandy shores and breathtaking cliffs, and everything in between.

These lakes are not only a source of recreation and tourism, but also play a vital role in the region's ecosystem. Development along these shorelines has increased over the years as more people invest in lakeside homes, and urban landscaping methods can have serious ecological impacts to the health of our lakes. To protect and preserve these valuable natural resources, shoreline naturalization is becoming an increasingly important initiative in Haliburton County, and the ecological team at Abbey Gardens Community Trust is doing their part to educate and engage the community to participate in a better way to beautify their shores.

Abbey Gardens is a charitable organization with a mission to re-green a former gravel pit into a community destination that provides recreational, educational, ecological, and economic development opportunities to live more sustainably. There are public trails, a disc golf course, a Food Hub and café specializing in local food, a market garden, a craft brewery, a wood fired pizza truck, an event space, and so much more. A big part of their mission is rooted – literally! – in restoring, rehabilitating, and reforesting areas that have suffered major ecological damage. The restoration team, led by Ecologist Cara Steele, works closely with organizations like Trent University and U-Links to study various soil remediation, cover cropping, and planting methods to examine what methods yield effective results for the unique ecosystems of Haliburton County.

In 2022, Steele partnered with Kennisis Lake Cottage Owners Association (KLCOA) in a pilot project to restore eleven shoreline properties across three lake systems, planting over 1250 native plants and shrubs. The goal of the pilot was to educate lakeside property owners about how natural shorelines can still be beautiful, while protecting overall lake health.

75% of our shorelines should be in a natural state for a minimum of 30 m (100 feet) back from high water, otherwise water quality will degrade over time. Shoreline naturalization is the process of restoring a lake's natural shoreline, typically by planting native species of vegetation along the water's edge. Natural shorelines are vital to maintaining the overall health of a lake. Shoreline plants protect from erosion, wave action and ice damage, moderate water temperature, flooding, and absorb nutrients from human activity.

There are several benefits to shoreline naturalization. Firstly, natural shoreline planting helps to prevent erosion and sediment buildup, which can harm water quality and wildlife habitat.





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Additionally, native vegetation provides food and shelter for wildlife, improving the overall biodiversity of the lake.

Another key benefit of shoreline naturalization is that it helps to reduce the impact of human activities on the lake. Natural shorelines act as a buffer between the lake and the surrounding land, absorbing runoff and filtering pollutants before they reach the water. This helps to maintain water quality and protects the lake from potential harm caused by human activities such as agriculture, forestry, and development.

As shorelines along lakes and rivers are being developed, these areas are at greater risk to erosion and reduced water quality. Naturalizing shorelines by planting native flowers, trees and shrubs helps keep our lakes swimmable, drinkable and fishable. A major takeaway from the pilot program was that homeowners felt overwhelmed and unqualified to do their own native planting. Like any planting project, there are a lot of factors to take into account when thinking about naturalizing your shoreline, such as hours of sunlight, soil conditions, your personal property use, preferences, the amount of time you're willing to invest in maintenance, and more.



In response, Steele and her team are expanding the shoreline restoration outreach program to support more homeowners throughout Haliburton, Muksoka, and the Kawartha Lakes.

Through site visits, planting plans, and hands-on planting, the team will address individual property needs and restoration goals from start to finish.

If you're looking for a DIY option with a little help from the experts, Steele has curated shoreline plant kits that are uniquely tailored to the site conditions prevalent in our area. The **Pollinator Garden Kit** is for sites with dry to normal soil that experience part shade to full sun. This kit includes a mix of wildflowers, grasses, shrubs and trees that will attract pollinators throughout the whole season. The **Open Shoreline Kit** benefits sites with low lying areas that have moist soil and at least six hours of sunlight per day. The wildflowers can be planted right at the waters' edge to create a beautiful display of colour. And finally, the **Forest Garden Kit** is appropriate for shaded shorelines that have dry to normal soil. Alternatively, the plants can be used to naturalize and add plant diversity to shady upland areas.

This year, Abbey Gardens has partnered with Friends of Ecological and Environmental Learning (FEEL) to host their Native Plant Sale, featuring beautiful hand picked native plants, trees, and shrubs, as well as Steele's curated Planting Kits. All proceeds from the sale go directly to support the Children's Water Festival and restoration projects at Abbey Gardens.

To learn more about the shoreline planting outreach program, FEEL plant sale, shoreline kits, or more, visit abbeygardens.ca or email Cara Steele at cara@abbeygardens.ca!

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Haliburton School of Art and Design

Overlooking Head Lake in Haliburton and nestled in a sculpture forest in Glebe Park sits Fleming College, Haliburton School of Art + Design. Whether you are learning a new skill or continuing to develop an artistic practice there are numerous opportunities for one-of-a-kind hands-on studio experiences.

This summer there are over 200 weeklong courses and one day weekend workshops for children youth and adults including: painting, glassblowing, ceramics, textiles, writing, music, jewelry and many more.

During the summer, there are several events open to the public. Starting June 26th the Faculty Art Exhibit, Hand of the Maker will be taking place with the official Opening on Monday July 3rd from 4:30 to 6 pm. The exhibit will feature some of the summer faculty and will be on display until August 18th.

Wednesday nights from 4:45 to 6:00 PM the college hosts a weekly art talk where faculty give a presentation on a variety of topics. Some of the topics this summer include *Rug Hooking-Craft Born our Necessity to Contemporary Art Form*, *The Story of Seedbeeds* and *Looking at the Landscape*.

Thursday is a busy day at the campus. Starting at 4:00 PM students, family, friends and community members are welcome to visit the classroom to see the work in progress and talk with instructors. If you haven't been



to the campus, it's a great chance to view the spacious art studios and the contemporary architecture of the building. A slide show of instructor work will be available for viewing. Then at 5:30 PM enjoy a free concert in The Great Hall. This summer be entertained by, Nicholas Russell, Luke Mercier and Sam Allision plus a few more. Check out the college website for a full listing of art talks and entertainment.

Starting in July, the online Faculty Art Auction will begin with many unique works of art, all created and generously donated by artists and faculty members. Items will be added to the site weekly. The auction will close Tuesday August 8th with a cocktail reception and silent auction on Thursday August 10th at 5:00 PM. All proceeds from this event will go to support Fleming College art students at the Haliburton campus through the bursary program.

In addition to the extensive summer programming, Haliburton College has several full-time programs in the fall and winter. The Visual and Creative Arts Diploma is three semesters and gives students an opportunity to build a solid portfolio by acquiring fundamental art skills. In addition, there are several 15-week intensive specialized certificates in Artist Blacksmithing, Ceramics, Drawing & Painting, Fibre Arts, Glassblowing, Jewellery Essentials and Photo Arts.

Besides all the creative happenings within the college, wrapped around the campus, The Haliburton Sculpture Forest is a unique collection of sculptures by Canadian and international artists. Unstructured and unscripted, the Sculpture Forest is ideal for families looking for an interesting outing, for those who enjoy an outdoor trails and for people looking for a unique artistic experience.

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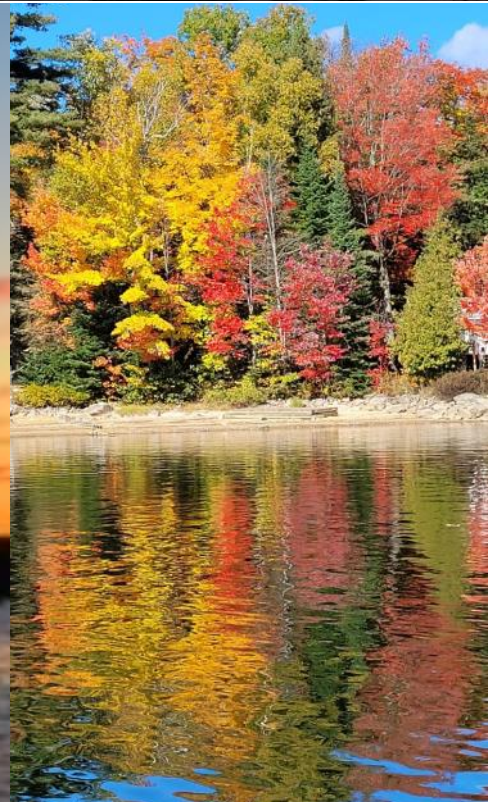
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The Lake in Pictures!









Annual Haliburton Lake Calendar

Every year, Maggie Lawrence produces a yearly calendar that contains scenic photos of our beautiful lake, the surrounding area, wildlife and whatever else captures her attention. These calendars are of high quality and are printed in the Haliburton Highlands, to support our local economy. A portion of her proceeds go to Woodlands Wildlife Sanctuary in Minden and to Minden Cat Angels, two rescue groups that do a lot for our area and wildlife. You can advance order your calendars by sending her an email to maggie.may1957@hotmail.com with the word Calendar in the subject line. These make wonderful gifts and look great in your home or cottage.



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CEWF PRIORITIES FOR 2023

The **Coalition for Equitable Water Flow, (CEWF)**, is a coalition of 33 member Lake Associations which represent 94% of the Trent Severn Waterway's (TSW's) reservoir lake storage capacity and covers the sub-watersheds of the Gull, Burnt & Mississagua Rivers plus Nogies, Eels & Jack's creeks. The Coalition aims to represent the interests of shoreline property owners in the "Haliburton Sector" of the Trent watershed, referred to as the Upper Trent Watershed (UTW). The UTW includes 35 Reservoir and several Flow-Through (RaFT) lakes in Haliburton County and northern Peterborough County. The CEWF was originally formed in 2006 to provide input to the Panel on the Future of the Trent Severn Waterway. Since then, the mandate has evolved to provide effective liaison between the Coalition members and TSW management on advancing water management issues affecting the lakes and rivers of the UTW. The Coalition is led by a nine-member Executive Committee.

The CEWF has an agreement, known as the Upper Trent Water Management Partnership (UTWMP) with the six local municipalities covering the RaFT lakes area: the Township of Algonquin Highlands, the Municipalities of Dysart et.al., the Minden Hills, and Highlands East in Haliburton County, and the Township of North Kawartha, and the Municipality of Trent Lakes in northern Peterborough County. The UTWMP is able to speak with a single voice with federal and provincial authorities on water management issues affecting the RaFT lakes. The CEWF Chair, CEWF Vice-Chair and one other CEWF Executive Member serve on the UTWMP Council.

The CEWF's Objectives

- To promote an Integrated Approach to Water Management at the Watershed Level that will improve water conservation while recognizing the environmental, public safety, social and socio-economic constraints of managing the water resource. For this initiative, the CEWF will work independently as well as through the UTWMP.
- To maintain on-going dialogue with TSW management to ensure mutual understanding of local issues with respect to TSW management of water levels and flows in the UTW.
- To promote shared information and knowledge of water management issues and practices primarily to Coalition lake associations as well as for all stakeholders across the entire Trent watershed.
- To promote approaches to ensure safe navigation, access to waterfront property, economic sustainability and the avoidance of negative environmental and economic impacts for residents on the RaFT lakes.



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CEWF PRIORITIES FOR 2023

- 1) The CEWF's main priority will continue advocating with the TSW with respect to an Integrated Approach to Water Management at the Watershed level by continuing to emphasize and build on the excellent water management experiences in recent years with respect to drought conditions, extreme rainfall events, flood risk management and other issues and challenges.
- 2) The CEWF will continue to liaise with member lake associations, including a direct outreach to the associations' Board of Directors, to raise the level of understanding of water management issues with an emphasis on recent extreme weather patterns (floods, droughts and ice damage) and their apparent relationship to the medium term climate change predictions for the RaFT lakes area.
- 3) A special video based Communication Project will be completed to provide videos that will provide some background to water management and climate change and advise property owners on protection of their waterfronts from extremes of high and low water levels and ice damage.
- 4) The existing CEWF website will be reformatted and upgraded to provide more user friendly access to data.
- 5) The CEWF will monitor the work on the Haliburton County Flood Plain Mapping project.
- 6) The CEWF will continue to monitor the TSW Capital Program in the RaFT lakes area, provide regular updates to our members, and ensure the participation of our member associations in project consultations as appropriate.
- 7) The CEWF will continue to work with TSW to improve the information content of their water management web pages and improvements to lake-specific water level graphs

The CEWF Executive Committee Members 2023

Ted Spence, Catchacoma Lake, Chair,	Bruce McClennan, Gull Lake, Vice Chair,
Roger Cunningham, White Lake, Secretary/Treasurer	
Geoff Byford, Mountain Lake	Bill Cornfield, Horseshoe Lake,
Chris Riddle, Director Emeritus,	Carol Moffatt, Beech Lake
Martin Rist, Drag & Spruce Lakes,	Will P'Heureux, Hall/Hawk Lakes

Coalition for Equitable Water Flow – Haliburton Sector, TSW

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Haliburton Lake Water Quality Testing Results

Project Overview

Haliburton County is located two hours north of the Greater Toronto Area on a high elevation point of the Canadian Shield, spanning over 4000 square kilometres of forests and over 600 lakes. The current geographic landscape of Haliburton County was primarily influenced by glacial melting.

Woodlands and Waterways EcoWatch (WWEW) developed a pilot water quality monitoring program to eventually expand to lakes across Haliburton County. In 2022, WWEW and Lake Association citizen scientists sampled water quality parameters from 35 sites on 24 lakes. This program represents a broadscale monitoring objective of having water quality data that is comparable across lakes within the County and with neighbouring regions. The goals of this pilot program are:

- to develop water monitoring protocols and practices specific to the aquatic health concerns in the region.
- to develop and grow a database of water quality measurements for long-term monitoring.

This information will be useful for decision-makers to understand key ecological uncertainties pertaining to water quality in efforts to protect the County's freshwater resources. Stocking Lake, located ~25km North-West from Haliburton Lake (Figure 1), was used as a reference lake for this program; it was selected based on the absence of seasonal and permanent dwellings except for a small collection of cabins used for research. Motorized watercraft are not permitted on the water and shorelines have retained their natural state.

Water Quality Measurements and Methods

Field measurements and samples were collected from Haliburton Lake (at three sites: HALB-WQ-01, HALB-WQ-02, and HALB-WQ-03) and Oblong Lake (OBLO-WQ-01) twice during 2022, on July 6th and September 29th. Samples were collected from the deepest points within lake basins (Figure 2). The deepest point is chosen in each basin, as they have a better representation of the lake water, with fewer influences from shorelines. Site Coordinates: ● HALB-WQ-01: 45.22132, -78.41251 ● HALB-WQ-02: 45.18433, -78.3901 ● HALB-WQ-03: 45.1574, -78.39926 ● OBLO-WQ-01: 45.17832, -78.43353

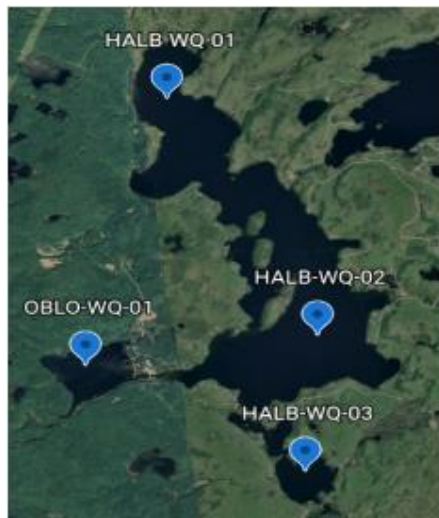


Figure 2: Sample sites on Haliburton Lake and Oblong Lake, 2022



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Joe Quatraro

"The man is tenacious. Greg's outstanding results are not by chance or by opportunity. Razor focus and a well-executed market strategy generates superior outcomes for buyers and sellers. Don't settle for a good Realtor®, choose Greg for exceptional representation."

Patricia Cousins

"Greg is extremely personable, knowledgeable and responsive. Having worked with several particularly good realtors over the years, we have to say that Greg is the best and we would definitely use him again."

Peter Fredericks and Patricia Russell

"He is knowledgeable, honest, and has the utmost integrity. He truly creates a relationship and trusted partnership between the client and himself. Greg stands out beyond, beyond! I can't say enough about him as a professional, I can say he's a delight to work with and I am honoured to share a 100% endorsement of Greg McInnis as the ultimate real estate professional."

Marilynn Booth

"The value Greg brings is one of true partnership where the stress and time it takes to complete a transaction is minimized through his hard work, efficiency, expertise, and support. You are in good hands with Greg - he makes real estate exciting and worry-free at the same time!"

Susan Good, Dave Mann, Lauren Wale and Chris Wale

"It is my pleasure to recommend Greg for all your real estate needs. I can't say enough good things about him. He is knowledgeable, proactive, trustworthy, always reachable and incredibly good what he does."

Celia Ciotola



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METHODS

To gather vital data and insight necessary to complete this report, industry standard protocols were followed with the use of various monitoring tools in the field to collect measurements. The full protocol is available as a separate document: Woodlands and Waterways EcoWatch - Lake Sampling Procedures.

As a part of the program, several on-site water quality measurements were recorded (pH, conductivity, Secchi depth, dissolved oxygen, temperature and alkalinity). Water samples were collected through the water column down to the determined Secchi depth. This allowed the measurement of nutrients present within the entire photic zone. Water samples were collected at each site and shipped to the ALS Environmental analysis laboratory based in Waterloo, Ontario. Weather observations were also noted at the start of every sampling event.

To measure alkalinity, test strips were dipped into a surface water sample. Conductivity and pH were measured using an Oakton water meter that was placed into a surface water sample. Dissolved oxygen and temperature were measured at every metre of lake depth (up to 50m) using a YSI probe and cable. All other parameters (ammonia, total Kjeldahl nitrogen, nitrates, nitrites, total phosphorus, and sulfate) were measured at the ALS laboratory using water samples collected in the field.

Parameters Measured

Several parameters were measured in this pilot project. A detailed description of these parameters are summarized in Table 1



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ALKALINITY	Alkalinity is indicative of a lakes ability to neutralize acids and its sensitivity to acidic inputs 2	Alkalinity can develop from salts and minerals from leaching rocks into lakes, or from wastewater discharge 2. Recommended limit: 20-200 mg/L. If <10 mg/L = susceptible to acidification 2
AMMONIA mg/L	Ammonia is a form of nitrogen, formed through the fixation of atmospheric nitrogen and hydrogen 3	Ammonia can be highly toxic to aquatic life. Common ammonia inputs into freshwater systems include run-off from fertilizers, municipal effluent discharges and industry processes 3. Natural sources can include organic waste breakdown, forest fires, animal waste. Recommended limit: 0.019 mg/L 4
TOTAL KJELDAHL NITROGEN mg/L	Total Kjeldahl Nitrogen is a measure of total organic nitrogen + ammonia 5	Some sources of TKN can be from sewage treatment effluent or agricultural run-off 5. High TKN can lead to eutrophication of lakes or algal blooms 5. The combination of high TKN values + high TP is especially conducive to algal blooms and overproduction 5
CONDUCTIVITY µS/cm	Conductivity measures the total ionic strength of the water, and determines how well an electric current can pass through it 5	Higher levels of conductivity typically mean it contains more dissolved salts 6. Conductivity also increases as temperatures increase, due to evaporation of surface water 5. Pure water has very low conductivity. Lakes can range from very soft water (low salts) = <10 µS, very hard water (high salts) = >1000 µS 6
PH	pH is a measure of the degree to which water is acidic or basic. On the 0-14 pH scale, 0 = strongly acidic, 14 = highly basic. 7 represents a neutral pH, such as pure water 7	Most North American freshwater bodies have a pH that ranges from 6.5-8.2, and most fish thrive in water within this range 7. pH is influenced by local geology (such as the Canadian Shield) and is especially determined by chemistry components like salts, carbonates and various acids 7
SULFATE mg/L	Sulfate is the most common form of sulfur found in well-oxygenated lakes 8	Naturally occurring sulfate can be introduced through the breakdown of leaves in the Fall 8, it can also be brought into the lake through acid rain 2. High levels of sulfate can increase the acidity of a lake, reducing its pH 2. Recommended limit: >250 mg/L 8
DISSOLVED OXYGEN mg/L	Dissolved oxygen is the measure of the amount of free oxygen present in the water 9	Dissolved oxygen has a large influence on aquatic organisms, if outside of the ideal range, it can inhibit aquatic life and affect water quality and is closely related to lake temperature 9. Range is highly variable
NITRATES, NITRITES mg/L	Nitrates and nitrites are nitrogen compounds that in low concentrations, play an important role in aquatic ecosystem health 2	If nitrate levels are too high, it can cause algae blooms and eutrophication 2. Elevated levels may be caused by input by pollution (runoff, sewage) and could cause algal growth or eutrophication. Natural surface water levels are typically <1mg/L 2
TOTAL PHOSPHORUS mg/L	Phosphorus is an abundant mineral and essential aquatic nutrient, key for plant and algae productivity and biomass 2	In excess, phosphorus can limit biodiversity, harm sensitive species, cause anoxia and lead to eutrophication 2. Sources can include fertilizers, animal waste, sewage effluent . Recommended limit: 0.03 mg/L 2



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Results and Discussion

RECOMMENDED LIMITS

The parameters measured are important indicators of water quality and ecosystem health. However, it is important to note that the individual parameters come together to create a cohesive picture, one parameter alone cannot always tell a story. Individual parameters might fluctuate above or below the recommended limits, and this might be natural and expected over the changing seasons. Other very high or low measurements might be problematic, but cause for concern will be typically established over multiple rounds of sampling and data, and perhaps further investigation.

Total Kjeldahl Nitrogen (TKN) is a measured parameter that does not have an established ideal limit or range as TKN is the sum of total nitrogen. Higher values are considered problematic, and lower values are more ideal. Due to this, it is important to measure regularly and identify trends or spikes. Consistency is key as sudden spikes could indicate an issue. To place some context around this parameter, a trend line can be developed with low versus high concentrations based on collected data during this project.

Similarly, Secchi disk depth does not have a specific contextual range and is dependent on various factors including overall lake depth, shoreline composition and vegetation buffer, local rocks and mineral, organic matter and other natural inputs.

The limits used in this results section have been established by various research institutions, including the Toronto and Region Conservation Authority, the Canadian Councils for Ministers of the Environment (CCME) and the District of Muskoka. These broad range of contexts have allowed us to develop an initial set of water quality limits, but this might not necessarily be relative to your specific lake as these standards are established for either the province of Ontario, or for all of Canada.

RESULTS

Within this project, information was gathered on lake health through in-field observation, the use of various instruments (DO, pH, conductivity), water test strips, and water samples sent to the laboratory for analysis. The results section will provide an overview of the chemical parameters measured and a brief interpretation. The Haliburton Lake and Oblong Lake results are listed in Table 2 with comparison to Stocking Lake results. Please note that several years of data is required to gain HLCA a good understanding of the “normal” state of these lakes. Five years of data is suggested to complete a baseline for proper trend analysis.


For Haliburton Lake and Oblong Lake, the chemistry parameters measured fell within normal limits, with the exception of two pH values measured in July 2022. HALB-WQ-01 and HALB-WQ-02 sites were measured at 8.45 and 8.52 respectively. Both of these values are indicative of a more alkaline lake. However, on other sampling dates these levels are far lower and fall within normal range, indicating possible outliers.

Ammonia levels were negligible (at less than 0.0050 mg/L) for almost every sample event, apart from July at HALB-WQ-03, which was 0.0119 mg/L; a low value for ammonia. All lab detection limits are listed in Appendix B. The current laboratory detection limits for nitrate and nitrite, 0.020mg/L and 0.010mg/L respectively, do not provide sufficient data for our current program purposes. As the pilot develops there will be an effort to identify ways to reduce this limit in order to provide vital information.

Table 2: Results from Haliburton Lake and Oblong Lake in comparison to Stocking Lake and specific parameter limits.

	HALB-WQ-01		HALB-WQ-02		HALB-WQ-03		OBLO-WQ-01		STOCKING-WQ
	July	Sept	July	Sept	July	Sept	July	Sept	Average
Alkalinity (mg/L)	49.9	39.9	19.9	39.9	39.9	39.9	19.9	39.9	27.5
Ammonia (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	0.0119	<0.0050	<0.0050	<0.0050	0.0082
Conductivity (uS/cm)	47.3	34.7	47.7	35.1	90.1	68.7	49.1	36.5	14.0
Nitrate (mg/L)*	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Nitrite (mg/L)*	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
pH	8.45	7.84	8.52	7.81	8.25	7.91	8.24	7.86	7.62
Sulfate (mg/L)	2.96	2.95	2.87	2.97	2.64	2.74	3.03	2.94	2.28
Total Phosphorus (mg/L)	0.0051	0.0042	0.0033	0.0041	0.0035	0.0058	0.0027	0.0044	0.0032
Total Kjeldahl Nitrogen (mg/L)	0.173	0.151	0.165	0.155	0.257	0.242	0.222	0.166	0.216
Secchi Depth Average (m)	4.85	4.90	4.85	5.00	4.15	3.05	5.10	4.40	4.08

PARAMETER	LIMITS
Alkalinity (mg/L)	>10, <200
Ammonia (mg/L)	≤0.019
Conductivity(uS/cm)	<1000 (high salt)
Nitrates/Nitrites (mg/L)	>1
pH	≤6.4(acidic), ≥8.3 (basic)
Total Phosphorus (mg/L)	<0.03
Sulfate (mg/L)	<250

 exceeding recommended limit



Total phosphorus remained well below the recommended limit (less than 0.030mg/L) during all sample events, with a high of 0.0058 mg/L in September at HALB-WQ-03, and a low of 0.0027 mg/L in July at OBLO-WQ-01 (Figure 3).

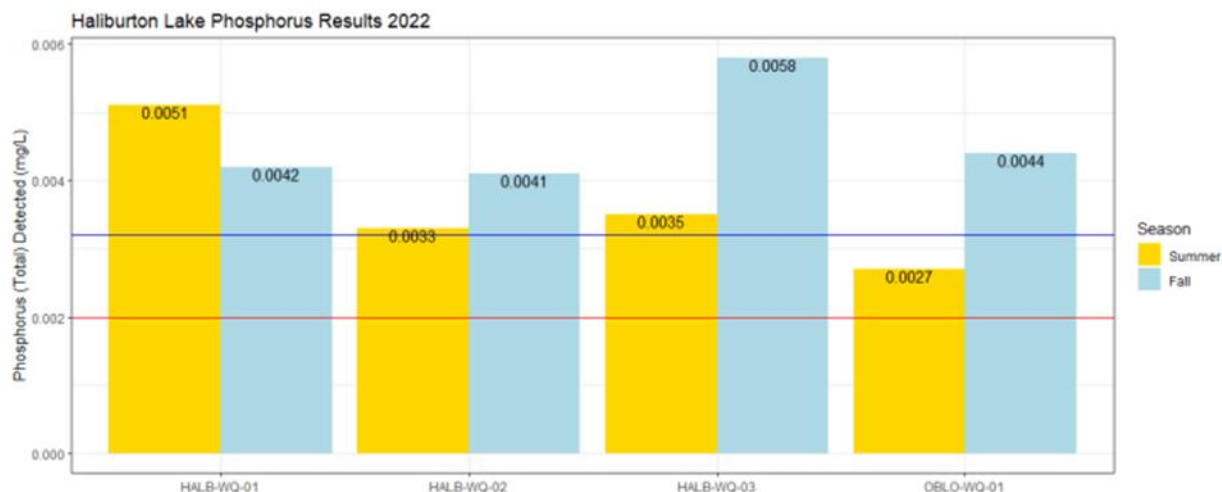


Figure 3: Phosphorus levels on Haliburton Lake and Oblong Lake sites. Red trendline represents the lowest detectable concentration for phosphorus (0.002mg/L) Blue trendline represents the average phosphorus concentrations detected at reference site Stocking Lake (0.0032mg/L).

Sulfate levels also remained considerably low, with a high of 3.03 mg/L in July at OBLO-WQ-01 and a low of 2.64 mg/L in July at HALB-WQ-03.

Total Kjeldahl Nitrogen (TKN) was relatively consistent during all sampling events. The lowest amount measured was 0.151 mg/L in September at HALB-WQ-01. The highest amount measured was 0.257 mg/L in July at HALB-WQ-03.

In July, all sites have dissolved oxygen levels around 8.5 mg/L at the surface and are well above 0.5 mg/L at depth. In September, surface waters have DO levels >10 mg/L, with only HALB-WQ-03 reaching anoxic levels of 0.01 mg/L at depth. Shallower basins like HALB-WQ-03 tend to naturally go anoxic in the fall, as the bottom layer is not large enough to store enough DO to support a full season. This variation doesn't harm the plant or animal life within the lake, as they have adapted to the natural conditions.

Trends and Next Steps

As part of this pilot program, compiled historical water quality data from the Lake Partner Program (2002-2022) 14, the Ministry of Environment, Conservation and Parks' Water Chemistry data for Lake Trout Lakes (2001-2017), the Ministry of Natural Resources and Forestry's Broad-scale Monitoring Water Quality program (2009-2019), and the Lake Health Report completed by the Coalition of Haliburton Property Owners Associations are included. All raw data is provided for your review in an attached excel document.

Figure 5 represents the trend of Total phosphorus for site HALB-WQ-03 on Haliburton Lake. Data from the WVEW program alongside data from the above-mentioned organizations specific to Haliburton Lake is included to show long-term changes in phosphorus levels. Moving forward into 2023, the goal is to have more trend graphs available on additional parameters and lake basins.

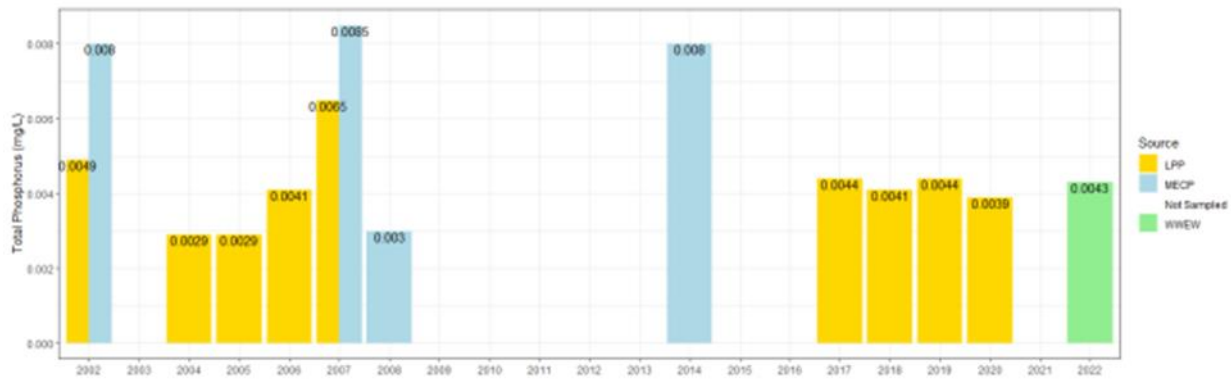


Figure 5: Total phosphorus trends for HALB-WQ-03, located at 45.18242, -78.3908

Conclusion

The data that WVEW has collected during the pilot 2022 sampling season and subsequent seasons will be significant in identifying trends related to water quality and overall lake health; to increase the knowledge and awareness of current, or potential future hazards is to increase the capacity of intervention and mitigation practices. As stated in the introduction, the goals of this pilot program are to develop water monitoring protocols and practices specific to aquatic concerns in the region and to develop and to grow a database of water quality measurement for long term monitoring. Challenges within this pilot included measurement for chemical parameters such as nitrate and nitrite concentrations which frequently fell below the limit of reporting for ALS laboratories; for future sampling, WVEW will investigate alternative laboratories and methods for measuring that produce concentration values to be used in comparisons to Stocking Lake and relevant historical data in Haliburton County.

As seen in Table 2, measured parameters are all within normal ranges with the exception of the pH measurements from sample sites HALB-WQ-01 and HALB-WQ-02, which exceeded the recommended limit in July before returning to normal values by September. When comparing Haliburton Lake to Stocking Lake it can be seen that total phosphorus concentrations detected exceed the weighted average of 0.0032 mg/L. This should be monitored closely due to the large amount of septic systems located around Haliburton Lake. When comparing the total phosphorus data from this year to previous years (sampled by MECP and LPP initiatives) it can be seen that concentration measured in 2022 (averaged across all sites) was 0.0043 mg/L, which is close to the historical overarching average of 0.005 mg/L. Several years of consistent data with ongoing support from Lake Association volunteers is required to provide sufficient data to gain a thorough understanding of the health of Haliburton Lake and Oblong Lake.

HLCA Financial Position

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	<hr/> \$ 53,789.13	<hr/> \$ 40,555.57	<hr/> \$ 34,695.00
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Utilities	\$ 1,759.27	\$ 622.35	\$ 681.72
Office/Website	\$ 365.21	\$ 472.52	\$ 821.20
Insurance	\$ 4,483.08	\$ 4,328.64	\$ 4,328.64
Bursary/Donations	\$ -	\$ 200.00	\$ 1,200.00
External Memberships	\$ 1,395.00	\$ 1,812.50	\$ 1,889.50
Clothing	\$ 3,542.55		
Major Projects	\$ 780.00	\$ 4,699.78	\$ 2,091.35
Water Quality Projects	\$ 864.00	\$ 1,000.00	
Property Taxes	\$ 477.65	\$ 457.44	\$ 449.64
	<hr/> \$ 44,071.15	<hr/> \$ 40,458.11	<hr/> \$ 27,606.25
Net Income	\$ 9,717.98	\$ 97.46	\$ 7,088.75
	2022	2021	2020
Opening Equity	<hr/> \$ 60,892.37	<hr/> \$ 60,794.91	<hr/> \$ 53,706.16
Change in Equity	<hr/> \$ 9,717.98	<hr/> \$ 97.46	<hr/> \$ 7,088.75
Ending Equity/Bank Balance	\$ 70,610.35	\$ 60,892.37	\$ 60,794.91



2022 HLCA Summary Statistics Report

Membership Report

	Full	Associate	Total	Yr over Yr	# Donated	% Donated
2022	334	42	376	-4	182	54%
2021	329	51	380	-2	175	53%
2020	335	47	382	-7	173	52%
2019	347	42	389	9	177	51%
2018	347	33	380	36	166	48%
2017	322	22	344	2	159	49%
2016	314	28	342	58	148	47%
2015	268	16	284	96	123	46%
2014	172	16	188	-34	77	45%
2013	203	19	222	-10	99	49%
2012	210	22	232	---	117	56%



Membership Communications

	Advertising Rev	Ltr, Mag, Plack	Net
2022	\$ 3,300	\$ 6,019	-\$ 2,719
2021	\$ 3,100	\$ 5,673	-\$ 2,573
2020	\$ 3,100	\$ 6,441	-\$ 3,341
2019	\$ 4,620	\$ 4,542	\$ 78
2018	\$ 5,500	\$ 5,563	-\$ 63
2017	\$ 4,663	\$ 4,729	-\$ 66
2016	\$ 4,180	\$ 3,888	\$ 292
2015	\$ 2,350	\$ 3,644	-\$ 1,294
2014	\$ 2,150	\$ 3,209	-\$ 1,059
2013	\$ 1,573	\$ 3,060	-\$ 1,487
2012	\$ 1,810	\$ 1,630	\$ 180

Swimming

	Revenue	Costs	Net	Participants
2022	\$ 6,500	\$ 7,120	-\$ 620	161
2021	\$ 4,940	\$ 7,207	-\$ 2,267	130
2020		\$ 100	-\$ 100	-
2019	\$ 5,473	\$ 6,739	-\$ 1,266	129
2018	\$ 4,295	\$ 5,435	-\$ 1,140	105
2017	\$ 4,740	\$ 5,475	-\$ 735	112
2016	\$ 5,656	\$ 5,953	-\$ 297	129
2015	\$ 5,659	\$ 6,220	-\$ 561	125
2014	\$ 5,134	\$ 5,573	-\$ 439	108
2013	\$ 4,751	\$ 6,498	-\$ 1,747	105
2012	\$ 5,165	\$ 6,786	-\$ 1,621	---

Regatta

	Revenue	Costs	Net
2022	\$ 5,824	\$ 3,086	\$ 2,738
2021	\$ -	\$ -	\$ -
2020	\$ -	\$ -	\$ -
2019	\$ 5,715	\$ 2,958	\$ 2,757
2018	\$ 6,590	\$ 1,528	\$ 5,062
2017	\$ 4,825	\$ 2,085	\$ 2,740
2016	\$ 5,745	\$ 2,569	\$ 3,176
2015	\$ 5,260	\$ 1,875	\$ 3,385
2014	\$ 3,751	\$ 1,650	\$ 2,101
2013	\$ 3,822	\$ 1,899	\$ 1,923
2012	\$ 3,559	\$ 1,771	\$ 1,788

Fireworks

	Donations	Costs	Net
2022	\$ 5,460	\$ 7,060	-\$ 1,600
2021	\$ 5,425	\$ 7,170	-\$ 1,745
2020	\$ 5,335	\$ 6,072	-\$ 737
2019	\$ 4,480	\$ 6,727	-\$ 2,247
2018	\$ 4,650	\$ 5,500	-\$ 850
2017	\$ 4,775	\$ 6,050	-\$ 1,275
2016	\$ 3,485	\$ 5,119	-\$ 1,634
2015	\$ 3,159	\$ 4,070	-\$ 911
2014	\$ 1,955	\$ 5,041	-\$ 3,086
2013	\$ 2,583	\$ 5,772	-\$ 3,189
2012	\$ 3,300	\$ 4,985	-\$ 1,685

Operating / Bank Balance

	Year End Balance	Net Income
31-Dec-22	\$ 71,474	\$ 9,182
31-Dec-21	\$ 62,292	\$ 1,498
31-Dec-20	\$ 60,794	\$ 7,088
31-Dec-19	\$ 53,706	\$ 8,842
31-Dec-18	\$ 44,864	\$ 8,611
31-Dec-17	\$ 36,253	\$ 4,951
31-Dec-16	\$ 31,302	\$ 11,058
31-Dec-15	\$ 20,244	\$ 8,547
31-Dec-14	\$ 11,697	-\$ 2,159
31-Dec-13	\$ 13,856	\$ 313
31-Dec-12	\$ 13,543	





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membership@haliburtonlake.com

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Kathleen Bass - Communication Director

info@haliburtonlake.com



The HLCA – Supporting Members and the Community

What we do:

Operate and subsidize community events;

- The annual children's swimming program HLCA hires and pays the instructors
- The Canada Day Fireworks - HLCA matches the donations made by members
- The Lake Navigation Marker system – HLCA maintains and places the markers on Haliburton Lake.
- The Kids Bingo – HLCA provides the prizes and the Hall
- The Rock Bass Fishing Derby – HLCA administers the weighing of the fish and provides prizes
- The weekly baseball – HLCA provides equipment and organization of event
- The street lighting in front of the HLCA hall HLCA pays the electricity
- Giving Back initiatives through the year
- A Community Watch program, keeping you informed what is happening on the lake and potentially at your cottage if the need arises

Undertake major improvement projects;

- The ongoing revitalization of the public beach and hall.
- The naturalization of the shoreline at the Public Beach
- Remote automated fireworks ignition system and training for Fireworks Operator Certificate

Support our members, local associations and local business through,

- Membership in associations.
- Communication of local events, useful information, community buy and sell and links to local businesses via year-round e-mails, the HLCA website, www.haliburtonlake.com and the annual HLCA magazine.
- Advocating on issues of importance to Haliburton Lake residents such as internet, cell service, roads, landfill, etc.
- HLCA Hall Rental
- Joint FIRA/HLCA discounts

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HALIBURTON LAKE COTTAGERS' ASSOCIATION (HLCA)

The Haliburton Lake Cottagers' Association founded in 1953 incorporated in 1958 under the laws of Ontario as a not-for-profit with members on Haliburton, Oblong, and Ross Lakes.

HLCA 5041 Haliburton Lake Road, Haliburton, Ontario, K0M 1S0 (haliburtonlake.com)