



Kanasatka Water Matters

News & Updates

December 2024, Issue # 15



Lake Kanasatka Watershed Association 2024 in Review

One year after the kickoff of the LKWA Capital Campaign, our association is in an incredibly strong position to meet our future with regard to water quality, stormwater mitigation projects, number of LakeSmart awardees, fundraising totals and actively engaged volunteers working throughout the watershed.

Initial discussions with the NH Department of Environmental Services (NH DES) in the spring of 2023 helped us better understand the scope, necessary steps and costs associated with addressing the deteriorating water quality of Lake Kanasatka.

To that end, LKWA hired FB Environmental Associates to help guide us towards best lake management practices as outlined in the LKWA Watershed-Based Management Plan and to quantify our water quality history, past and present, for the purposes of grant applications.

A Capital Campaign was launched in mid-November 2023, which successfully raised over \$400,000 in six months thanks to the generosity of our donors. LKWA applied for a Cyanobacteria Mitigation Fund grant from the State of NH in January 2024, as well as several additional state and federal grants. Numerous meetings and extensive and detailed paperwork followed throughout the winter and spring as LKWA met each requirement and deadline, successfully resulting in the approval of several grants benefitting LKWA for a total of \$857,283.

During the spring of 2024, an alum treatment was approved by New Hampshire Department of Environmental Services (NH DES) to address the “legacy” internal phosphorus, which was identified through water testing as a significant source of the cyanobacteria blooms our lake had been experiencing. The treatment took place in May, resulting in a return to crystal clear water for the summer of 2024.

And we are not done!

LKWA has contracted with a highly regarded geomorphologist, a scientist who studies individual natural topographical features to understand the processes that shape landforms, to conduct a stream assessment in the coming months to ensure that stormwater runoff from the streams throughout the LKWA watershed are not adding unwanted nutrients into Lake Kanasatka. Data on flow and infiltration rate, turbidity, erosion, soil type, sedimentation and other indicators will be investigated and analyzed. Any necessary mitigations/restorations will follow.

A design and engineering project for several private roads around the lake is in the planning stage for 2025, with funding from a NH Watershed Assistance 319 grant and matching funds and in-kind services from LKWA. This project focus is to reduce stormwater flow into the lake from the area around the Burton Road and Foster Drive intersection. All owners of the properties impacted by these projects have been asked to grant written permission to LKWA to access their properties solely for the purposes of an initial evaluation. Please contact LKWA319Projectmgt@gmail.com with any questions ASAP.

But the journey does not end here.

We need YOU to join LKWA and participate actively in our projects. One way is to join or renew your membership in LKWA at, https://kanasatka.org/join_or_renew_membership/

Another way is to become an active lake-friendly property owner, since an alum treatment does not guarantee a bloom-free lake in the future. The work continues with efforts focused on addressing sources of external phosphorus loading in the form of stormwater runoff entering the lake and failing septic systems. Please do your part by

- keeping a vegetated border along the shoreline to prevent leaves, dirt and other debris from entering the lake
- adhering to the NH Shoreland Water Quality Protection Act (SWQPA), which regulates activities that are located within 250 ft of the **reference line** of public waters (all NH lakes). Such activities include construction & necessary permitting, the cutting of trees and the use of fertilizers. See details here, <https://www.des.nh.gov/protected-shoreland-faq#faq30936>
- having your septic system inspected and repaired as necessary- LKWA will reimburse up to 50% of the cost of a residential inspection (up to a maximum of \$200). **see further requirements on our website at <https://kanasatka.org/septic-system-inspection-assistance-program/>
- creating a rain garden or installing water razors to catch the stormwater runoff and divert it away from the lake
- operating your boat in a manner that does not make big wakes that hit the shoreline and erode the soil.
- participating in the LakeSmart program at <https://kanasatka.org/lakesmartprogram/>

Help is available!

Does all of this sound like too much? LKWA is here to help! Contact our “Boots on the Ground” team. Team volunteers will come to your property with shovels, rakes and even a tractor to help you dig infiltration trenches, move rocks, level and grade areas of persistent runoff, install “water razors” and more- free of charge! Contact LKWA Board member Kevin Kelly at kevinkelly700@yahoo.com.

Please join with your neighbors in keeping Lake Kanasatka a place to enjoy for many generations to come!



The New Hampshire State Forest Nursery is offering "more than 50 species

SEEDLINGS ON SALE NOW!

The seedlings are great for:

Wildlife food and cover
Christmas tree plantations
Reforestation
Site Reclamation
Erosion control and stream bank

of bare root seedlings for sale to the public. All seedlings are grown from seed in our own seedbeds to ensure they are well adapted to the regional climate and conditions."

For further details, including current inventory, photos of mature plantings, costs and ordering information, go to <https://buynhseedlings.com/>

Order soon, some seedlings sell out fast!

stabilization



Grateful Thanks!

As we end 2024, let's take a moment to recognize and appreciate the important work that has been accomplished over the past year by members of the Lake Kanasatka community.

Thank you to our 29 LakeSmart awardees who worked to achieve lake friendly properties and those homeowners who are in the process of doing so.

Many thanks to the "Boots on the Ground" team who worked together with friends and neighbors to remediate stormwater run-off issues.

Our gratitude to the many volunteers who tested the water quality throughout the summer, organized the human powered July 4th boat parade, contributed to and edited the newsletter, organized the picnic, worked on membership and outreach, participated in the weed watchers and rapid response committees and much more.

Our thanks to everyone who donated items for the Barn Sale as well as all the shoppers and workers who made it such a huge success.

Thank you to all who posted entertaining and educational information on our Facebook page and provided important content for our website.

Our appreciation to the LKWA Board of Directors for spending countless hours in working behind the scenes for a healthy Lake Kanasatka.

Thank you to all of our dues paying members. 100% of dues collected help to cover LKWA's operating expenses.

And last, but by no means least, our sincere

Update on 319 Grant

By Scott Wallace
319 Project Manager

In early 2024, Lake Kanasatka Watershed Association (LKWA) applied for a \$100,000 NH Department of Environmental Services (NHDES) grant, which requires \$67,000 in matching funds from LKWA, to address runoff/drainage issues at the intersection of Burton Road and Foster Drive. We have worked with NHDES throughout the year to complete the Grant process and are now anticipating final State approval in December. The LKWA Board has appointed Scott Wallace to be the 319 Grant Project Manager to address the many contractual and administrative steps required by the State.

The project focus is to reduce or eliminate stormwater runoff into the lake from the area around the Burton/Foster intersection. Improvements may include: regrading the existing road, establishing a grassy swale with ditches and check dams, water razor diverters, enlarged culverts, etc. All work will be reviewed and approved by the affected landowners and will be completed at no cost to them.

This fall, we have contacted all Burton Road and Foster Drive residents to let them know about the 319 Grant and provide an outlook of 2025 activities. We requested that affected property owners sign a Consent Agreement to allow LKWA, NHDES, and engineering contractors access to their properties for evaluation purposes.

We have also issued a Request for Qualifications (RFQ) document to solicit input from interested engineering firms who may wish to bid on the project work. Responses are due in early January and we will select a contractor later that

gratitude to everyone who contributed to the LKWA Capital Campaign which wrapped up in the spring of 2024! Your financial support and belief in the process allowed us to proceed with the alum treatment and return to a healthy Lake Kanasatka in 2024.

Let us all make a resolution this year to continue to be proactive in protecting and preserving Lake Kanasatka in 2025 for ourselves and for future generations.

month. LKWA will then work with NHDES to prepare and execute a contract for the project work. We anticipate starting site evaluations and design review meetings with residents in late winter/early spring. Our goal is to complete the work in late summer/early fall 2025.

If you have any questions about the 319 Grant work process, please contact Scott Wallace at LKWA319Projectmgt@gmail.com.



Help Track Lake Ice-In and Ice-Out

The New Hampshire Department of Environmental Services (NH DES) and the Voluntary Lake Assessment Program (VLAP), began tracking lake ice-in and ice-out dates in 2011. [View Current Ice-In and Ice-Out Information](#)

“Ice-out” typically describes when ice leaves a lake in the spring. Some consider this to be when a boat can be navigated from one end of a lake or pond to the other, or when the lake is completely free of ice. “Ice-in” is the term used to describe when ice covers a lake in the fall. To participate in this program, use this link, <https://survey123.arcgis.com/share/7e4ccc6eccd14f489ce7b8310f497aab>



LKWA is looking to recruit a few dedicated volunteers. Please consider joining one of the following teams. In addition to helping out our organization,



Update on Sales and Transfers of Waterfront Properties with Individual Sewage Disposal Systems in the Protected Shoreland

“As of September 1, 2024, the law regarding the transfer of developed properties served by an individual sewage disposal system (ISDS) has changed. Previously, sellers of these properties were required to have a permitted ISDS designer prepare a waterfront site assessment.

Now buyers of these properties are required to have the system evaluated by a permitted septic system evaluator. In certain situations, a permitted ISDS designer may also be required to determine if the effluent disposal area (EDA) is not providing proper treatment because it is too close to the seasonal high-water table.

If an evaluator determines that the ISDS is showing signs of failure or if the designer determines that the EDA is in failure, buyers are required to replace the ISDS within 180 days of the property transfer.” (Courtesy of NH Department of Environmental Services)

Wondering why the changes and what to do next? Go to

<https://www.des.nh.gov/sites/g/files/ehbemt341/files/documents/ssb-14.pdf>

it's a great way to meet new people and learn more about the work of LKWA- past, present and future!

Membership and Outreach Committee- responsible for emailing out Dues reminders, assisting the Treasurer at the Annual Meeting of the Association, delivering information packets to new homeowners, meeting with road associations to answer questions and share association news/upcoming events, hosting community social events and enhancing communication and connectivity amongst the Lake Kanasatka community. Contact Peg Devine or Ryan Lovlien at lkwaoutreach@gmail.com if interested in helping out.

Boots on the Ground- not for the faint of heart, this group of hardy individuals can be found working on properties all around the lake helping to deter stormwater runoff from reaching Lake Kanasatka. Digging, shoveling, grading, lifting and carrying heavy loads are all part of this important job. Contact Kevin at KevinKelly700@yahoo.com if interested in this volunteer opportunity.

Water Quality- this team is out on the lake every other week throughout the boating season, checking water clarity, recording temperature and dissolved oxygen profiles from water surface to lake bottom, collecting water samples for UNH lab testing, and checking for signs of cyanobacteria and more. This team also accompanies UNH personnel out on the water when needed. This important position requires a boat at your disposal and regular availability throughout the summer months. Contact Lisa Hutchinson at LisaHutch@comcast.net for further information.

Communications Committee- this committee is responsible for all aspects of the newsletter and website- content, writing, proofing and publishing. Familiarity with Dropbox and Constant Contact platforms would be helpful. Experience in identifying writing errors, such as grammar, spelling and punctuation as well as checking for clarity, style and structure are a must. Contact: Chris Wallace at lkwacommunications@gmail.com for more details.



White Pine Needle Disease (WPND)

You have probably noticed that NH's stately White Pines are in trouble. Eastern white pine, (*Pinus strobus*), "is one of the most economically valuable and ecologically important forest trees in the northeast." It is also a common landscape tree for many of us in this area of New Hampshire. In recent years, white pines in our region have shown rather dramatic symptoms of problematic decline, including: yellowing/browning needles, heavy and early needle shedding, thinning canopies, undersized shoots and needles, branch dieback and, in extreme cases, death of the tree.

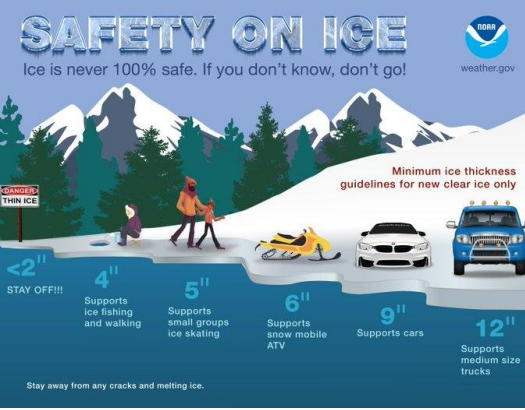
There are a lot of factors- climate change, drought and/or wet springs and insect infestation. Please refer to the following articles for further information on symptoms and management protocols as well as photos showing white pines needle blight.

[UNH extension](#)
[UNH extension White-pine](#)
[Umaine.edu Pine trees](#)
[Belknaplandscape.com/white-pine](#)



LKWA is now offering high quality, snuggly soft, 60/40 cotton/poly blend T-shirts supplied by Matt Rosenfield's Lake Life Brand from right here on Lake Kanasatka!

All T-shirts feature a prominent, updated LKWA logo with a small Lake Life Brand circle logo in sizes SM-XL. Color choices



are Navy or Turquoise. Price is \$25.00 for all styles, sizes and colors. If required, shipping is \$7.00.

T-shirt styles are as follows:

1. Unisex short sleeve (printed front center, LLB circle at back of neck)
2. Women's V-neck short sleeve (printed front center, LLB circle at back of neck)
3. Women's racerback tank (printed back center, LLB circle at front left chest)

Place orders now by contacting Kevin Kelly at, kevinkelly700@yahoo.com and arranging for a pick up or shipping.

NEEDED! Please pay your 2024-2025 Dues!

The LKWA operating budget for fiscal year July 1, 2024-June 30, 2025, totals \$8,415.95. This amount is supported entirely through the payment of dues. Expenses include postage and post office box rental, filing fees, website maintenance, insurance, Moultonborough Academy auditorium rental for the Annual Meeting, charitable donations to like-minded nonprofits who share our mission (Loon Center, Lakes Region Conservation Trust & NH Lakes), the annual picnic and the like.

Our goal for 2024-2025 year ending June 30, 2024 is to increase our membership to 120 members. As of this writing, we have 91 members who have paid their dues for this year. For a frame of reference, we have over 200 shorefront and water access properties around the lake and an additional 50+/- properties in the immediate watershed.

To renew your individual membership(s), one membership per voting member, or to become a new member, please send a check now in the amount of \$50 to LKWA P.O. Box 774, Center Harbor, NH 03226.

We appreciate your participation in our association. The summer of 2024 saw a return to the crystal-clear waters of our beloved Lake Kanasatka.

The future of our lake looks bright. With your help, we can expand our program offerings and continue the ongoing work of our association to maintain excellent water quality in the years ahead. Thank you for your support.



<u>OPERATIONAL BUDGET</u>		<u>WMP BUDGET</u>		
<u>ESTIMATED REVENUE</u>		<u>ESTIMATED REVENUE</u>		
Dues	\$6,000.00	Donations	\$15,000.00	
Merchandise Sales	\$1,665.95	Interest on accounts	\$14,000.00	
Reimbursements	\$750.00	Cyanobacteria Mitigation Fund	\$490,000.00	
		Section 319 Grant	\$100,000.00	
		NH Gives Fundraiser 2025	\$4,000.00	
		Refund from Solitude	\$500.00	
		\$\$ to cover estimated expenses	\$45,625.76	
TOTAL INCOME:	\$8,415.95	TOTAL INCOME:	\$669,125.76	
<u>EXPENSES BY CATEGORY</u>		<u>ESTIMATED EXPENSES</u>		
<u>Administrative</u>	Printing and postage	\$240.00	Solitude Management	\$422,613.00
	US Postal Service	\$225.00	FBE	\$9,280.76
	Filing Fees/memberships	\$285.00	LKWA Septic Asst. Program	\$5,000.00
	Zoom membership	\$0.00	Horsley-Witten contract	\$19,600.00
<u>Communications</u>	Constant Contact	\$101.00	J. Field, stream assessment	\$15,942.00
	Go Daddy	\$299.00	Congressionally-Directed	\$40,000.00
	Web Maintenance	\$1,750.00	UNH Lakes Lay Program	\$15,145.00
<u>Insurance</u>	Johnson & Johnson	\$800.00	UNH Lakes Lay Program	\$2,660.00
	E&S Insurance Services	\$759.00	Eastern Analytic Inc.	\$3,360.00
<u>Hospitality/</u>			University of Wisconsin	\$2,775.00
<u>Merchandise</u>	Picnic	\$250.00	2023 990 Tax preparation	\$750.00
	T-shirt order	\$1,250.00	Section 319 Grant	\$32,000.00
	Decal order	\$200.00		
	Gift, former board member	\$206.95		
<u>Fundraising/</u>				
<u>Grants</u>	NH Gives Reg. Fee	\$50.00		
	Charitable Donations	\$750.00		
<u>Water Razors</u>	Scott Parker	\$750.00		
TOTAL EXPENSES:	\$8,415.95	TOTAL EXPENSES:	\$669,125.76	

Lake Kanasatka Board Meeting Summary October 22, 2024 4:30 PM via Zoom

Kirk requested a motion to approve September minutes, Eileen Ehman made a motion to approve minutes, seconded by Janna Hoiberg. Kirk brought to a vote, all approved the motion. The board voted unanimously not to renew the Meredith Chamber of Commerce membership annual dues payment (\$100).

1.) Treasurer Report: Eileen Ehman presented the Treasurer's Report.

Balances as of 10-17-24
 Checking Account \$7,125.38
 Savings Account \$437,388.47
 Total \$444,513.85

Scott Parker made a motion to approve October bill payments, seconded by Tim Baker. Kirk brought to a vote, the Board unanimously approved the motion:

\$736.27 to FBE for Sept. 1-31,
 \$145.12 for lumber purchased for Water Razors.
 \$375.00 for the Septic Inspection Assistance Program
 Total: \$1,256.39

2.) Water Quality: Lisa Hutchinson reports we are in the middle of the Fall turnover so we don't have any layers at the moment, clarity was good. Post Treatment Core Samples are being done in Kanasatka now.

Wakondah is being sampled now by UNH (phosphorus and plankton samples) Wakondah has a cyanobacteria bloom active now, not a surface bloom.

3.) 319 Grant: Kirk Meloney: Application is complete and sent to DES last Tuesday 10/15. Scott Wallace sent the RFQ to Jeff Marcoux (DES) for review.

4.) Membership & Outreach: Peg Devine is working on our membership lists. Online payment system to be reviewed by Peg Devine and Ryan Lovlien to simplify the process of joining

Lake Kanasatka Board Meeting Summary September 24, 2024 4:30 PM via Zoom

The meeting of the LKWA Board of Directors was called to order at 4:30 pm by President Kirk Meloney. Directors present were Janna Hoiberg, Scott Apgar, Eileen Ehman, Chris Wallace, Lisa Hutchinson, Kevin Kelly, Scott Parker and Tim Baker.

1) Kirk requested a motion to approve August minutes, Janna Hoiberg made a motion to approve minutes, seconded by Lisa Hutchinson. Board unanimously approved the motion.

2) Treasurer Report: Eileen Ehman presented the Treasurers Report.

Balances as of 9-20-24
Checking Account \$7,591.33
Savings Account \$433,416.81
Subtotal \$441,008.14
Money to Deposit \$350.00
Total \$441,358.14

Tim Baker made a motion to approve September bill payments, seconded by Chris Wallace. Kirk Meloney brought to a vote, the board unanimously approved payment of the following September bills:

\$1,400.55 to FBE for August 1-31, 2024
\$420.00 to Eastern Analytical Inc.
\$127.21 reimbursement for July 2024 filing fees
\$287.50 reimbursement for the 2024 Septic Inspection Program
\$206.95 reimbursement for gift card
\$795.00 to E&S Insurance Services LLC

Total \$3,038.71

3) Streams:

On Sept 9 LKWA Board members (Kevin Kelly, Lisa Hutchinson, Tim Baker, Kirk Meloney) met with John Field, an expert on the environmental impact of Streams. A presentation was given to John Fields on our situation with respect to the streams flowing into Lake Kanasatka and he came back to us with a proposal for restoration of the streams.

This proposal would put us in a better future position to apply for grants to assist cleaning up our streams.

Tim made a motion to accept the proposal and engage with John Fields, Kevin Kelly seconded the motion.

The motion carried with 8 approvals and one Director, Eileen Ehmann, abstaining from the vote as she didn't have sufficient time to review the materials prior to the vote.

4) 319 Grant Update

Scott Wallace, LKWA Member in good standing, volunteered to serve as Project Manager for our 319 Grant application. The Board enthusiastically accepted his offer.

5) Communications: Chris Wallace presented that we have the newsletter planned for release in October, there is nothing else planned currently.

6) T-Shirts - new T-Shirts are in, \$25 cost plus shipping (\$7 if required).

7) Boots On the Ground - a partial list of work completed in the last couple of months:

- a) Installed a new culvert on resident's property 8/10 and 8/20
- b) Additional substantial improvements on Sandy Cove Road to install large dry well/infiltration pits, 8/19.
- c) Spread over 15 yards of gravel on a resident's property to improve road down to lake,

pitching runoff into the woods. Subsequent work done to install water razors and re-establish existing culvert.

LKWA email contacts:

Watershed Management Plan
LKWAWatershedPlan@gmail.com

General LKWA and Board:
LKWAmail@gmail.com

LKWA Communications email:
LKWACommunications@gmail.com

[Link to Watershed Management Plan](#)

*This newsletter is brought to you by the LKWA Communications Committee:
Carol Hart, Janna Hoiberg, Scott Wallace, Larry Pizer,
Julia Marchand, and Chris Wallace*

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Lake Kanasatka Watershed
Association | www.kanasatka.org



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