

PARTRIDGE LAKE

PROPERTY OWNERS ASSOCIATION

Spring 2025

A Lake Preservation Group

In-Lake Treatment Plan Update

By Jack Eames

FB Environmental submitted the final Alum treatment plan to NHDES at the end of January. NHDES notified the PLPOA that the plan and application was complete. A public hearing was held March 11th where FB Environmental presented the history of the Partridge Lake cyanobacteria blooms, cause, planning and treatment. A video of the presentation is posted at <https://www.youtube.com/watch?v=uEO8Fyw24Os>. A fifteen-day public comment period followed the hearing and an additional two-week period for NHDES to review and respond to the comments. Following a technical review of the treatment plan and consideration of the public comments, NHDES issued the PLPOA a state surface water discharge permit under Env-Wq 301 the first week of May.

Treatment Plan: The lake will be treated with aluminum sulfate and sodium aluminate covering 64 acres (63%) of the lake at depths greater than 4 meters. The treatment area consists of three zones A, B, and C. One treatment zone is completed each day to minimize the risk to aquatic life. Zone C will receive two doses of treatment. Once aluminum is added to the water it quickly hydrolyzes and forms a white, fluffy floc. The process usually takes minutes and is nontoxic after.

Treatment Applicator: The PLPOA entered into a service contract with Solitude Lake Management (solitudelakemanagement.com), to apply treatment.

Treatment Period: Spring is the ideal time for treatment as it allows even distribution and mixing alum to waters with temperatures above 4.4 degrees C (ideally 12). We learned during the presentation that Partridge Lake blooms cyanobacteria year-round, which makes treatment timing challenging. Based on the current data, treatment will occur between the last week of May and first week of June. Treatment will last four days beginning with Zone C, Zone B on day 2, Zone A on day 3 and finishing with Zone C.

Logistics: The PLPOA will notify homeowners and post road signs in advance of the lake treatment. Solitude will stage their treatment operation at the boat landing.

Health and Safety: Alum will be applied in deep, offshore areas, so there is little to no risk to shoreline residents (even those withdrawing water from the lake). As a precaution and for the safety of personnel, NHDES is requesting that the public refrain from recreational use of, or water withdrawal from, the lake during and within 24 hours of the completed treatment. NHDES plans to close the public boat launch during the day while personnel are on site.

Lake Monitoring: FB Environmental is contracted to monitor the water quality and file reports with NHDES in accordance with the PLPOA grant requirements.

Post Treatment: If all goes to plan, the cool, pristine, crystal-clear water of Partridge Lake will return for future generations to enjoy. The Environmental Steering Committee will review the CEI Watershed Restoration Plan for future BMP projects and apply for applicable grants. To ensure the longevity of the lake treatment, the PLPOA must remain vigilant in our water quality monitoring, volunteerism, phosphorus load reduction and BMP implementation efforts.



Steve Landry from the NHDES presented the PLPOA a check for \$270,930 to cover the Alum treatment for Partridge Lake. Pictured is Steve, Nina Johannessen and Audrey Goudie.



WATER QUALITY Monitoring Program

Volunteers monitor changes in water quality and identify pollution by collecting water samples from the lake and streams that flow into and out of it. Testing is ongoing.

If you are interested in helping with this process, please contact Tom Norris at (832)-776-8803 or email him at thosnoss@gmail.com.



Letter from Co-Presidents

Kathy Krejci and
Nina Johannessen



Dear Partridge Lake Community:

We are excited to welcome everyone back this 2025 summer season.

Between the writing of this letter and the arrival of summertime, we anticipate completion of the water quality project that started over 25 years ago. The combined efforts of many devoted people culminated in the lake treatment scheduled for early June, and we hope that everyone will enjoy pristine waters for many years to come.

The association continues with several other environmental efforts, including control of the Canada Goose population, monitoring for invasive weeds, volunteer day for local clean-up projects, and partnering with the town of Littleton to maintain roadways and culverts to prevent future runoff into the lake.

We hope to see everyone at the annual picnic in July and general membership meeting in August.

Happy Travels,

Nina Johannessen and Kathy Krejci



SEPTIC SYSTEMS Quality and Maintenance

The following practices can help extend the life of our lake.

- Conserve water, compost your kitchen waste, and be careful what you flush
- Prevent as much runoff from roads as possible, prevent erosion from properties
- Use phosphate-free fertilizer, dish, laundry, and cleaning products
- Keep sand away from the water, remove grass clippings and leaves
- Don't launch fireworks over the lake or watershed
- Have your septic system pumped every year for year-round residents and every 2-3 years for summer people

Local Septic Tank Service Companies

Schofields Septic Tank Service, Lisbon
(603) 838-6028

White's Septic Service, Dalton
(603) 837-2728

Remember the 150-foot law.

The lake is small; it has rocks and shallows; the area 150 feet from shore is not large; it has a dangerous "bottleneck" that allows only one fast boat to pass through at a time, and only then if there is no kayak, canoe, swimmer, or other motorboat.

Above 6 mph, by law no boat shall come closer than 150 feet to any person, place, or thing (docks, floats, etc.).

A water-skier is considered "part of the boat" and should also abide by the 150-foot law.

Taking off from the dock with a skier is allowed, but state law prohibits drop-offs at high speed.



Our relatively small lake has a long-standing rule of **COUNTER-CLOCKWISE** travel by boats. Observing that rule greatly reduces the potential for head-on collisions. It is vitally important to comply with the **COUNTER-CLOCKWISE** flow of boat traffic and to make visitors and especially renters aware of the rule.

Take a Boating Safety Course

Contact the NH Marine Patrol Bureau at (888) 254-2125 or (603) 267-7256.

New Hampshire Marine Patrol is in agreement that we need to "double the distance!". The safe passage law remains the same, restricting boaters to headway speed within 150 feet of any other boat, shore, docks, or mooring fields. Staying 300 feet from the shore and maintaining headway speed will help reduce your impact on the shoreline.

Pollution and sediment are added to the lake at an alarming rate. In rain events the ground only has the capacity to absorb so much. Because of the high water level, with the added height and additional wave power, waves are crashing onto the shoreline and affecting areas that normally would not be impacted. Storm runoff contains bacteria, pollutants, and excess nutrients that are washed into the lake. Reducing your wake and doubling your distance will help reduce your impact on Partridge Lake.

Be a good neighbor in and on the lake! Keep your distance from others.



Weather held up just long enough for everyone to enjoy the PLPOA Annual Picnic - July 2024

Thank You Jeff & Jill Corey for hosting the event.



The love and beautiful connection we shared will never end.

As we mourn, we can remember the good times, be comforted by the love, and celebrate the lives well-lived. *With Deepest Sympathy*



Dayton Clark Goudie, "83" June 25, 1941 – August 1, 2024

Dayton was raised in Lisbon, NH and served in the US Army. He was a passionate outdoor enthusiast. He cherished hiking, gardening and connecting with nature. His gentle and intelligent spirit allowed him to appreciate the simple beauties life offered. Dayton was passionate about preserving the water quality at Partridge Lake.



Robert Hampton Copenhaver, "85"

November 7, 1939 – January 6, 2025

Bob was born in Littleton. His early years were spent enjoying summers at the family camp on Partridge Lake. He served in the US Army as a 101st Airborne Ranger and received an honorable discharge as Sargeant with the "Screaming Eagles". Bob's civic responsibilities were many.



David Martin Ernsberger, "78"

July 27, 1945 – July 2, 2024

Nancy Ernsberger, "77"

September 4, 1945 – April 26, 2024

Dave and Nancy were married for 57 years and had many adventures together. They spent their summers at Partridge Lake for 25 years and were big supporters of the town of Littleton through their store, Nest, and many community projects such as Harmony Park, Pianos on Main Street and Umbrellas in Pollyanna Alley They impacted many lives and will be forever in our hearts.



Thomas Ross, "83"

September 11, 1941– March 28, 2025

Thomas was born and grew up in Littleton. He joined the Littleton Fire Dept. and retired as Chief in 1996. He opened Ross Funeral Home in 1967 as funeral director and embalmer. Thomas was an avid skier. He became an EMT. He has received countless accolades and accommodations for the many contributions he has made throughout his lifetime.



Sue Bechtel, "69"

December 20, 1954 – May 21, 2024

The people we love become a part of who we are. And when they leave this world, a part of them stays with us...always. Words cannot say the things we'd like them to in times of sorrow, Sue was a wonderful, beautiful, smart, funny, hardworking, talented and loving woman. She is greatly missed by so many of her friends and family.

Life is amazing.

And then it's awful. And then it's amazing again. And in between the amazing and the awful, it's ordinary and mundane and routine. Breathe in the amazing, hold on through the awful and relax and exhale during the ordinary. That's just living, heart-breaking, soul-healing, amazing, awful, ordinary LIFE. And it's breathtakingly BEAUTIFUL. L.R.KNOST

Spotlight on Volunteers

Board of Directors

| | |
|-------------------------|----------------------|
| Nina Johannessen | Co-President |
| Kathy Krejci | Co-President |
| Jill Corey | Treasurer |
| Tonya Eastman | Secretary |
| Tom Allen | David Merrill |
| Burt Bechtel | Lisa Morello |
| Jeanne Burdette | Tom Norris |
| Lynn Craig | Cathy Parker |
| Kevin Kee | Pamela Parker |
| Scott Manning | John Schultz |

Ex-Officio

Jerry Eames
Stanley Parker Jr.

**Connect with
us on
Facebook!**

All residents are invited to join the Partridge Lake WEED WATCHERS to help stop the spread of Exotic Aquatic Plants.

As a volunteer, you will receive current volunteers support and the Weed Watcher Kit which was developed for NH lake residents and volunteers to help prevent the spread of exotic plants by observing, monitoring and reporting plant growth in our lake. We ask that you conduct a weed survey 2 or 3 times during the summer months. You'll be helping to protect our lake and enjoying nature at the same time! It is helpful to conduct the survey in a canoe, kayak or on a paddle board. The danger of invasive weeds is such that only regular, knowledgeable monitoring of the perimeter of the lake, especially in the coves and shallow areas, will protect us. We have support from the NH Department of Environmental Services, Waterford Division, Watershed Management Bureau and can send them pictures with questions we may have regarding plants we find in the lake. If interested, please contact Lila Kee at lilakee@gmail.com or Liz Gattone at lizgat2015@gmail.com. Thank you!

PLPOA TREASURER'S REPORT

As of 12/31/2024

| | |
|--|--------------------|
| BALANCE CHECKING ACCOUNT | \$2,354.02 |
| BALANCE WATER QUALITY ACCOUNT | \$72,477.10 |
| INCOME 2024 | |
| DUES PAID (53 OF 75 CAMPS) | \$2,960.00 |
| DONATIONS TO WATER QUALITY ACCOUNT | \$10,043.15 |
| MEMORIAL DONATIONS | \$2,770.00 |
| INTEREST INCOME WATER QUALITY ACCOUNT | \$1,802.41 |
| MERCHANDISE SALES | \$297.00 |
| PICNIC GUESTS | \$175.00 |
| DES GRANT INCOME | \$48,301.00 |
| EXPENSES FROM REGULAR ACCOUNT | |
| NH LAKES ASSOCIATION | \$325.00 |
| LOON PRESERVATION | \$250.00 |
| TAX RETURN FEES | \$375.00 |
| MERCHANDISE COST | \$0.00 |
| ANNUAL PICNIC COST | \$1,308.54 |
| NEWSLETTER MAILING | \$589.31 |
| MEETING EXPENSE | \$186.37 |
| EXPENSES FROM WATER QUALITY ACCOUNT | |
| LIABILITY INSURANCE | \$2,976.50 |
| FBE CONTRACT PAYMENTS | \$26,989.82 |
| CYANO SIGNAGE | \$15.00 |
| LITTLETON PUBLIC WORKS (BMP MATERIALS) | \$3,767.05 |
| WATER TESTING | \$410.00 |

2025 Schedule of Events

Saturday, June 7 9:00 am

Spring Board of Directors Meeting
Jill Corey's House

Saturday, July 5 12:00-3:00 pm

Rain Date: Sunday, July 6
Annual Lake Association Picnic
Location, Tom & Dawn Norris

Sunday, July 6 9:00-11:00 am

Volunteer Day
Location, Meet at the Warden Camp

Saturday, August 2 9:00 am

PLPOA Annual Meeting
Open to all members! Please join us!
Location, TBA

Saturday, October 4 9:00 am

End of Summer Board of Directors Meeting
Location, TBA





PARTRIDGE LAKE

PROPERTY OWNERS ASSOCIATION



Welcome to Partridge Lake!

Information for Renters and Guests

LANDLORDS

Present this flyer to your renters/guests and POST IN YOUR RESIDENCE

- **Make sure renters and guests read this information sheet; ask if they have any questions.**
- **List phone numbers for emergencies, and for neighbors who may help.**
- **Emphasize boat safety; describe the hazards of your location/dock/beach; make sure they know your boat well if they will be using it.**
- **Acquaint them with traffic hazards: stop signs; clusters with small children; and camps whose occupants must cross the road to get to the lake.**

TUBING/WATERSKIING/PADDLEBOARDING

New Hampshire law says there must be one spotter for one or two tubers/skiers, two spotters for three to six. The 150-foot law applies to both boat and tubers/skiers. Spotters must be at least 13 years old and able to swim and rescue a tuber/skier who needs help.

Taking turns" is important. The more boats on the lake at one time, the more at risk are those happily careening behind them.

All persons using a standup paddleboard must have a personal flotation device available.



The Partridge Lake Property Owners Association has prepared this information about issues important to the well-being of residents and to the long-term health of the lake. You should be aware of some of its most important recommendations.

Fire. CALL 911 FIRST!!

- Keep lids nearby for pots and know how to use the fire extinguisher.
- Gas or charcoal grills raised off the ground do not need a permit, but fire permits are required for any other outdoor fire.
- Small fires must be 25 feet from a structure; larger fires 50 feet away. Keep a hose, bucket of water, or fire extinguisher nearby.
- Hot ashes should be covered and kept 3-4 days before dumping.
- A permit is required to discharge fireworks. Please refrain from setting off fireworks over the lake.



Safety and Courtesy

Drive slowly...very slowly...around the lake.

- Have fun but remember those not on vacation: jobs and babies may get your neighbor up earlier than you.
- When it gets late, move inside the house. Voices and music broadcast from the deck, dock, porch, and boat.



Reduce Detergent Use

Residents are doing everything possible to reduce phosphorous levels in the lake.

- No phosphates! Read labels on all cleansers.
- Reduce your use of all detergents!
- Baby the septic system! Take fewer, and briefer showers.
- Never put paper towels, diapers, tampons, harsh cleaning agents, paints, etc. down the toilet. No coffee grounds down the sink.



Boating Safety and Exotic Weeds

If you are bringing a boat, check it carefully for weeds, and dispose of them away from the lake. A suspicious plant should be put in a plastic bag and call **(603) 271-2248** (NH Dept of Environmental Services).

All vessels must carry one USCG approved life jacket for each person on board.



Garbage and Recycling

The Littleton Transfer Station takes bagged garbage and recycles cans, bottles, plastics, glass, paper, etc. Garbage must be in a special plastic bag available at grocery and hardware stores. The station is open Tuesday thru Friday 12-4, Saturday 8-4, closed Sunday, and Monday. For a complete schedule and directions call **(603) 444-1447** or visit their website at townoflitleton.org.

Partridge Lake - Water Safety

Safety is a major concern at Partridge Lake, considering the numbers of boats and swimmers, children, and seniors, people, and pets. Excessive speed at the shallow edges of the lake contributes to severe erosion of the shoreline and to stirring up nutrient- and phosphorous-rich sediment, making them more available for algae growth.



Given the NH “150-foot law,” Partridge Lake is just barely legal for high-speed power boats. Its narrowest point is just over 300 feet, a dangerous “bottleneck” that allows only one fast boat to pass through at a time—and only then if there is no kayak, canoe, swimmer, or other motorboat at the same time.



New Boater’s License

New Hampshire state law requires all operators of boats powered by more than 25 hp motors to have with them a Safe Boater Education Certificate, having completed an 8-hour course or a tested-out equivalent, obtainable on the Web.

For information, call (603) 267-7256, or www.boat-ed.com/nh, a site approved by the NH Marine Patrol.



A complete guide to boating safety comes with the required annual boat registration.

Among the major provisions:

- Drivers must be 16 or above.
- A “spotter” is required for water skiers.
- Every boat must carry an approved wearable personal flotation device for each person on board. Children under 5 must always wear one.



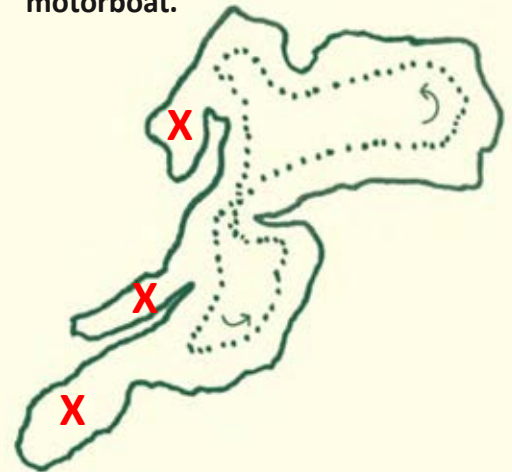
If someone wishes to swim across the lake, please do so with a canoe or kayak escort as swimmers are difficult to spot from a speeding boat. Prime-time power boating time is usually in the afternoon, so swimming across the lake earlier in the day, (with an escort), is recommended.



Speedboats have been a part of the recreation at Partridge Lake for decades. The PLPOA recommends:

- Use common sense.
- Traffic goes **COUNTER-CLOCKWISE** around the lake.
- Stay out of the coves.
- Take turns and be courteous to other boaters.

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Above 6 mph, by law no boat shall come closer than 150 feet to any person, place, or thing (docks, floats, etc.). A water-skier is considered “part of the boat” and should also abide by the 150-foot law. Taking off from the dock with a skier is allowed, but state law prohibits drop-offs at high speed.