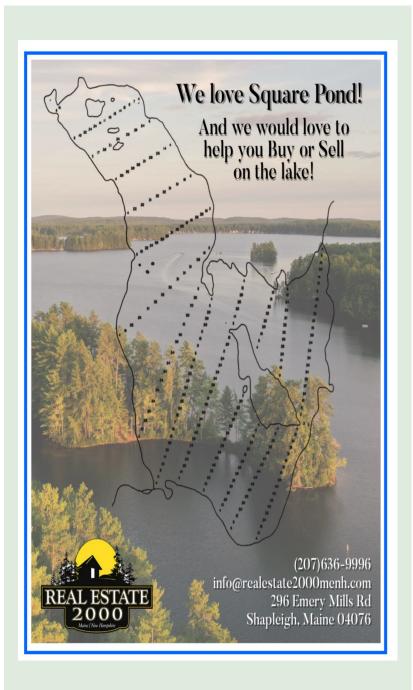
Square Pond Improvement Association 2024 NEWSLETTER









Square Pond Improvement Association

Budget vs. Actuals: SPIA Budget January - December 2023

		TOTAL		
	ACTUAL	BUDGET	OVER BUDGET	% OF BUDGE
Revenue				
Contributed income				
Corporate & foundation grants				
Amazon Smile	309.52	300.00	9.52	103.17 %
Total Corporate & foundation grants	309.52	300.00	9.52	103.17 9
Donations directed by individuals	1,100.00		1,100.00	
Association Dues	28,521.75	26,000.00	2,521.75	109.70 %
Raffles	200.00		200.00	
Special Donation	32,070.00		32,070.00	
Total Donations directed by individuals	61,891.75	26,000.00	35,891.75	238.05 9
Total Contributed income	62,201.27	26,300.00	35,901.27	236.51 9
Investment income	14.87		14.87	
Bank Interest	671.97		671.97	
Total Investment income	686.84		686.84	
Services				
Newsletter Ads	2,275.00	1,700.00	575.00	133.82 9
Total Services	2,275.00	1,700.00	575.00	133.82 9
Unapplied Cash Payment Revenue	5.00		5.00	
Uncategorized Income	3,500.32		3,500.32	
Total Revenue	\$68,668.43	\$28,000.00	\$40,668.43	245.24 9
GROSS PROFIT	\$68,668.43	\$28,000.00	\$40,668.43	245.24 9
Expenditures				
Advertising & marketing				
Newsletter	4,110.97	1,500.00	2,610.97	274.06 9
SPIA Signs	340.00	1,000.00	-660.00	34.00 %
Website/Webcam	1,000.86	1,500.00	-499.14	66.72 9
Welcome Bag	1,185.98	3,000.00	-1,814.02	39.53 %
Total Advertising & marketing	6,637.81	7,000.00	-362.19	94.83 9
Awards & grants to others				
ASYCC Donation	5,000.00	5,000.00	0.00	100.00 9
Lake Stewards	500.00	250.00	250.00	200.00 %
Total Awards & grants to others	5,500.00	5,250.00	250.00	104.76 9
Contract & professional fees				
Culvet Engineering	192.56	2,000.00	-1,807.44	9.63 %
Legal fees				
Culvet Legal Fee	130.00	2,000.00	-1,870.00	6.50 %
Total Legal fees	130.00	2,000.00	-1,870.00	6.50 9
Total Contract & professional fees	322.56	4,000.00	-3,677.44	8.06 9
Insurance				
Directors & officers insurance	805.00	1,500.00	-695.00	53.67 %
Property insurance	450.00		450.00	

	TOTAL			
	ACTUAL	BUDGET	OVER BUDGET	% OF BUDGE
Total Insurance	1,255.00	1,500.00	-245.00	83.67 9
Office expenses				
Bank fees & service charges	5.00		5.00	
Board/Membership Meetings	219.67		219.67	
Maine Sec of State Non-Profit Tax	35.00	35.00	0.00	100.00 9
Office supplies	210.00	50.00	160.00	420.00 %
P.O. Box Rental	118.00	150.00	-32.00	78.67 9
Printing & photocopying				
Membership/Invoice Letter	683.94	600.00	83.94	113.99 9
Total Printing & photocopying	683.94	600.00	83.94	113.99
Social Activities	397.27	1,100.00	-702.73	36.12
Software & apps	1,176.99		1,176.99	
Total Office expenses	2,845.87	1,935.00	910.87	147.07 9
PayPal Fees	266.26		266.26	
QuickBooks Payments Fees	10.18		10.18	
Repairs & maintenance				
Information Board Project	350.00	2,000.00	-1,650.00	17.50 9
Invasive Plant Patrol	430.61	500.00	-69.39	86.12
Lake Markers	995.00	1,000.00	-5.00	99.50
Snail Snatcher	3,866.65	4,000.00	-133.35	96.67
Water Quality Improvement		1,000.00	-1,000.00	
Watershed Survey		1,000.00	-1,000.00	
Total Repairs & maintenance	5,642.26	9,500.00	-3,857.74	59.39
Uncategorized Expense	3,500.37		3,500.37	
otal Expenditures	\$25,980.31	\$29,185.00	\$ -3,204.69	89.02 9
NET OPERATING REVENUE	\$42,688.12	\$ -1,185.00	\$43,873.12	-3,602.37 9
IET REVENUE	\$42,688.12	\$ -1,185.00	\$43,873.12	-3,602.37 9

President's Letter 2024

This past year was an unusual one with the water level in the spring at fall lows. Once the dam was closed, we experienced a severe storm that dumped over 5 inches of rain. It rained constantly thereafter throughout the spring and early summer and the water levels remained abnormally high for the entire season. This created challenges for the loon nesting season and shoreline erosion. The heavy rains magnified runoff problems around the lake and several property owners stepped up to address shoreline erosion & revegetation with the support of ASYCC. SPIA voted to increase its 50/50 matching funds for material costs program from \$200 to \$500 per project. If you have erosion issues on your property, please reach out to ASYCC (asycc.com) for evaluation and schedule their services for the coming year. They will obtain the necessary permits and provide the labor free of charge. Their services combined with SPIA's matching funds to cover a portion of the material costs go a long way to helping property owners.

Addressing shoreline erosion has been ongoing. In 2019, we conducted a survey of the entire lake, identifying many sites requiring attention. I am pleased to announce we have completed addressing the sites from that survey this past year, meeting all the requirements associated with a series of Maine DEP grants. SPIA extends a big thank you to all the property owners who participated in this program.

There is still much to do through education and action in protecting our shoreline from runoff issues. The need to replace vegetated shoreland buffers lost due to development is paramount. This is the only way to protect the lake. Runoffs from rain, especially what we experienced last summer, carry nutrients, sediments, pollutants, pesticides, and debris into the waterbody.

Square Pond has survived another year without the introduction of an aquatic invasive plant. We continue to see lakes around us become victims to the invasion, including Mousam Lake and Little Ossipee Lake now dealing with

-President's letter continued

Swollen Bladderwort. We need all the help we can get in providing continued diligence through adhering to the newly enacted Maine law requiring boats & trailers to be *cleaned*, *drained*, *and dried* before entering a body of water. Learn how to identify invasive plants and maintain a watchful eye for them. If you see something unusual, please report it to Donna Rosenkrans, our aquatic IPP coordinator, at

ippsquarepond@gmail.com

For invasive land plants, contact MaryAnn Robator at

Invasivelandplantsqpond@gmail.com

There is always need for more volunteers to inspect the lake's shoreline and islands for invasive plants. Please reach out to our coordinators to learn how you can help.

We are blessed to be part of this wonderful lake community.

Become involved in your community and you will elevate your lake experience immensely. Please plan on attending our membership meetings this summer.

The meetings are held at the Acton Town Hall on June 29th at 9:00 am and August 24th at 10:00 am.

Lee Robator, President
Square Pond Improvement Association



Meet the SPIA Board Members

The questions posed are:

How long have you been coming to Square Pond?

How did you find Square Pond?

What is the best skill you bring to the SPIA board?

What would you say is your personal motto?





Lee Robator, President

My entire life. Grandparents purchased the property in the late 1930's. My grandfather and father worked for the Goodall Worsted Co in Sanford until they closed in the early 50's. My grandfather purchased the property when the Goodall family sold off lots along the lake.

Identify and leverage the skills of people I work with for the benefit of the lake.

Get involved and make a difference.

Campfires with the family. leerobator@gmail.com

-Board Members continued:
Kristen Waitt Morrisroe,
Vice President
I have been here 35 years...
since my parents brought me
home from the hospital.
My family has been coming to



Square Pond since my grandparents,

Hal and Betty Waitt, vacationed at my grandfather's Uncle's camp on the lake. A few years later, my grandfather and his cousin, Ed Harvey, purchased a plot of land together and split it to build camps for their families.

Being a long term and full time resident on West Shore Drive and I have a long history with the Acton Community

Happiness is a choice.

Enjoy all seasons. waittk@gmail.com

Brian Ferland, Treasurer
50 years, living on the lake since 2005
I lived in Sanford, and always came to the lakes in the summer.
I am the Treasurer, so I say numbers.
Motto, "Acton up!"
I enjoy cookouts and boating.
Brian_r_ferland@yahoo.com



-Board Members continued John Cole-Secretary Visited in the 1950's

Pastor in my church in Kennebunk

First rented then purchased a camp and I visited him.

Taking minutes and knowledge of the lake

Keep on keeping on

Swimming

revjohnhcole@gmail.com



Bill Rosenkrans

Have been coming to Square Pond for 50 years

Donna Watson Rosenkrans introduced me to Square Pond

Proofreading is one of my contributions (for the board as well as the newsletter prior to print.)



Be the labor great or small do it right or not at all.

Cruise with our neighbors in their pontoon boat is one of my favorite things to do.

werosenkrans@gmail.com

-Board Members continued
Jane Kirton

67 years at Square Pond

Square Pond has always been there for me.

I bring long history, knowledge and passion for the lake and people.

Motto-WWMD (What would Marjorie do). My mother always did the

right thing. I try to be the best person I can be to allow her memory to live on.

Spending time with my family and visiting with my friends. Watch over the loons. Watch over the moon and stars. Fly across the lake in my boat! jkirton@sanford.org



im Caron-Membership

My family bought our camp in Indian Village in 1967, when I was 5. I have been coming to Square Pond on and off ever since.

My Aunt and Uncle introduced it to us and George Adams senior found us a place for sale.

I love being around people and being social. Square Pond is special and I am willing to help in any way possible to bring people together. Plus...I bring husband! Haha. Do it as often as



m١

possible and pay it forward are my mottos. My favorite thing to do is hard to pick one, but it has always been waterskiing. I still use the slalom course, but don't go as often as I used to. I also love to kayak, paddleboard and scuba dive for snails. I of course take leisurely boat rides around our beautiful lake. kcaronster@gmail.com

-Board Members continued

Kathryn Parenti

My husband Mark and I have owned our cottage (Sunset Ridge with the orange chairs) for 10 years. We were introduced to Square Pond by our daughter-in-law, whose family (The Godfreys) were one of the original owners on Treasure Island. I am chair of the Wadleigh



Memorial Library Trustees in Milford, NH and I am also on the New Hampshire Library Trustee Association executive board. Square Pond is a wonderful place all year round and I felt it was important to help keep it that way by volunteering my time as a board member.

Kathy.parenti@gmail.com

Alan Krans

My wife, Mary and I discovered Square Pond 5 years ago in the middle of winter. With cash in hand and a realtor in tow, we put our truck in 4 wheel drive and drove over a 3 foot snowbank and unplowed driveway on Dogwood Drive to see frozen Square Pond for the first time. We fell in love with Square and



our new lake house. We attended our first SPIA annual meeting in June 2019 and discovered a childhood friend who I had neither seen nor spoken with for over 50 years-Lee Robator! I joined the Board in 2021. The main skills I bring to the SPIA Board are the skills of a litigation attorney who specialized in Municipal law over the course of 35 years. My motto, currently used as a high school basketball coach, is "Full court, full speed."

Our favorite Square Pond activity is engaging with, and enjoying the families of our 4 sons and 6 grandchildren in the clean and clear waters of Gatehouse cove. krans6@icloud.com

-Board Members Continued

Scott Haley-Treasure Island

Have been coming to Square Pond for 16 years. My brother lived on Treasure Island. I bring Communication to the SPIA

My personal motto is Doing everything with professionalism and expertise allows you to sign your name with Pride and Excellence!

My favorite thing to do is socialize with friends and neighbors.

Scott.j.haley@gmail.com



Other various contacts:

Mark Parenti Webmaster mark.a.parenti@gmail.com

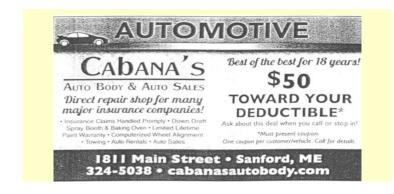
Donna Rosenkrans Invasive Plant Patrol

ippsquarepond@gmail.com

MaryAnn Robator Invasive Land Plants

invasivelandplantsqpond@gmail.com

Rob Caron Water Quality rcaronster@gmail.com





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JOIN US FOR THE BIG KAYAK!! JULY 4TH @9AM MEET UP/START POINT -THE LITTLE ISLAND

FOOT FIRE BAREFOOT SKIING COMPETITION 8AM AUGUST 3RD

August 3rd will be the 7th annual Square Pond Foot Fire, a head-to-head barefoot competition. We will do a random draw bracket and go head-to-head to win the trophy!

.

Spectators are invited to come and hang out in the lake. Location has changed, and will be on West Shore Drive side of the lake, 8am-11am.



SAT, AUG 3 AT 8 AM 2024 Square Pond Foot

Horseshoe Tournament August 31st (rain date 9/1)

There will be details coming for sign up prior to event

Entry fee to be donated to the TILOA Reserve fund.

Tournament will be at Lot 67 (McDonough)

Marjorie Dunnells Chadbourne Preserve-Success!

Dear Friends,

Thanks to the combined efforts of SPIA and its generous members, Three Rivers Land Trust was recently able to accept a donation of just over 100 acres of land off Town Farm and Apple Road, protecting in perpetuity beautiful forest land and two streams that flow directly into Square Pond.

There was no question that we wanted to protect this parcel, which has long been a part of Dunnells family land, but with ownership comes a responsibility to manage land long into the future, and to prepare for events we cannot foresee. To fulfill that responsibility, the land trust raises "restricted" money that is set aside in a stewardship fund. Stewardship funds pay for annual monitoring of the property, trail creation and parking areas, forest management, invasive plant management, and threats that could include illegal dumping, or property damage from prohibited ATV use that could negatively impact Square Pond's water quality.

Thanks to your generosity, we were able to meet SPIA'S \$5000 match challenge and raise the funds we needed to accept the donation. Thank you for helping to bring this exciting project together. The Marjorie Dunnells Chadbourne Preserve will be a legacy for the family, but also for all the SPIA members who pulled together as a community.

Plans for the preserve include creating a small parking area and a minimal trail network. We want to preserve the serenity and natural aspect of the land. We will be working with Forester Jeff Williams, who has been managing the forest, on maintaining forest health by managing some of the excessive beech growth. I look forward to welcoming you on a walk this spring, date to be determined, so you can get to know the land and help us care for it. We hope it will become a treasured place to visit.

Thank you again for your support!

Ruth Gutman, Executive Director Three Rivers Land Trust

HELP US KEEP IT MAINE: PROTECT OUR WATERS FROM AQUATIC INVASIVE SPECIES

Maine has some of the country's most pristine and healthy waters, which support high-quality habitat for fish and wildlife as well as endless opportunities for outdoor recreation. On our inland waters, anglers can fish for native brook trout, Arctic charr, landlocked salmon, and lake trout, just to name a few.

Unfortunately, Maine waters, as well as the fish, wildlife, and recreation they support, are threatened each year by introductions of fish, plants, diseases, and other aquatic invasive species that compete with and displace native natural communities.

Why should I care?

Once an aquatic invasive species has established in a body of water, it is extremely difficult for it to be eradicated. These efforts are costly, often risky, and not always successful and introductions have the potential to change our natural places and the way we enjoy them forever.

What can be done?

Prevention is key. So much of the spread comes from people simply enjoying the great outdoors. It's our duty as those who enjoy using Maine's waters to become informed, attentive, and accountable for our potential role in the spread of invasive species

maine.gov



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Hey Neighbors!

Looking for fun and a place for good food this year?

We're an Event Center down the road in Acton. Come to one of our events, or host your own. This year enjoy live music from Jonathan Sarty & others!

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Shorefront Friendly-Living Practices

Prevent soil erosion....Dirt/soil is the number one pollutant to lakes. Maine's Erosion is of such concern that Maine legislature passed the Erosion and Sedimentation Control Law which requires everyone to prevent erosion from occurring, for projects of all sizes.

Properly maintain camp unpaved roads which are often a major source of pollution.

Reduce fertilizer use. Applying too much fertilizer or applying it at the wrong time can create a problem.

Capture stormwater runoff by using nature's own filtration system. Plant ribbons of trees, shrubs and/or groundcover to intercept and infiltrate runoff.

Direct water from roofs and driveways into a stable vegetated area where the dirt can get trapped and the water can soak in.

Maintain your septic system's tank . Pump your system's tank every two to three years. Systems are made to be pumped out



periodically to keep the solids in the tank from being carried into the leach bed where it clogs the pipes and soils creating a malfunction.

Pick up after pets. Pet waste should be disposed of in the garbage-no matter the size!

Leave natural vegetation! Trees, shrubs and bushes between your home and the water are the lake's last line of defense. THINK BEFORE CUTTING!

2023 Snail Snatchers Report

Snail Report

First, it's about the people.

We had 25 different divers with many of these attending several if not all dives this year.

Our active diver list is now 31 certified divers after this summer's new certification class was completed. There is another class starting now so we should add to this number soon.

Two divers have completed the required 10 hours of diving to get the reimbursement from SPIA towards their diver certification. There were 4 that got certified this summer with another class and they finished at the end of the summer.

37 different people have provided surface support for the divers, again with many of these attending several if not all of the dives.

We had a few people on the surface breather and a couple of snorkelers this year as well. Two people brought up more than 20 lbs each while using the surface breather the last Sunday. This has been a great tool.

At one dive we were entertained by Al Halliday and Don and Elyse Foote who performed a music jam session for us after the dive.

We had two families that hosted dives besides the Caron's this year

Terry and Margarita Borgal

Heather and Shawn Beaupre

Thank you to the families that hosted dives, this was a huge help.

There were over 60 different people that have volunteered their time to help with this cause this summer, many coming on many dives I don't think any other lake in Maine or most other states could assemble this kind of volunteer support, so thank you to all that participated.

Snail Report Continued

Other Thank you's

Thank you to Ken Roy for many years of assistance. Tanks are very heavy and there are often 10 or more tanks to bring to the dive shop. After many years of bringing tanks to and from the dive shop, Ken is having some physical issues and can not handle the heavy tanks any more. We appreciate all that he did for the Snail Snatchers for many years.

Thank you to:

John and Christine Beaudoin, they have picked up the job and have brought the tanks to and from the shop for filling.

Karen and Bruce McPhearson also lent a hand one week.

Mark Rautenberg also took care of the tanks a week.

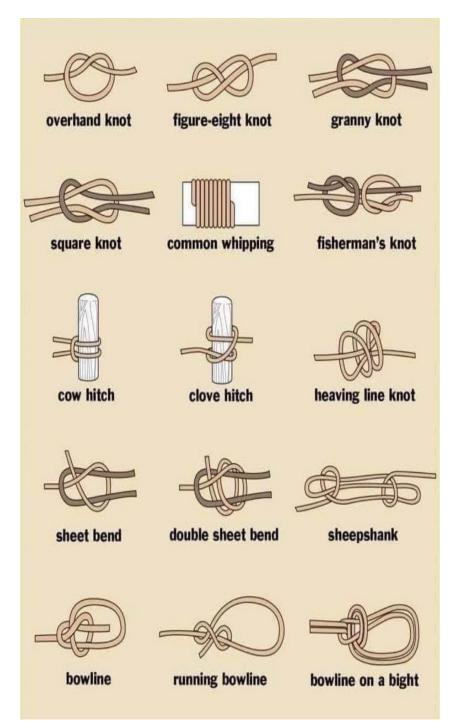
To the Dump:

Thank you to Scott Landsberry for doing the majority of snail removal and Bill Deans for filling in when he couldn't make it.

Tricia and Allen Brenden for donating 3 complete sets of dive gear to the Snail Snatchers. As more people get certified, this equipment will be put to good use.

We also had a dive after the fireworks at Kittridge's to clean up debris. This is another advantage of having this great group of volunteers. The surface support sat in the rain while divers cleaned up the bottom of the lake but they never complained. And....finally, after 6 dives we have extracted 1562 lbs of snails for 2023 season, which is approximately 62500 snails.

Year	Square Pond Divers (in lbs)	Paid Divers (in lbs)	Total (in lbs)
2013	400	1200	1600
2014	280	1020	1300
2015	110	720	830
2016	210	830	1040
2017	355	1475	1830
2018	325	101	426
2019	875	246	1121
2020	1693	0	1693
2021	2203	0	2203
2022	2360	0	2360
2023	1562 (as of 8/20)	0	1562
			8147 includes both
			for 7 years
			7818 SPIA only
			divers for 4 years
TOTAL CMS extraction (lbs)			15,965 LBS.
			638,000 SNAILS



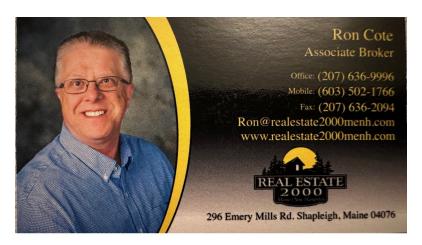
New boater safety and education requirement



Recently Maine joined 44 other states in requiring some level of boater education for those operating a boat on Maine's waters. The boater education law was recently passed by the legislature, and goes into effect in 2024.

As of January 1, 2024, a person born on or after January 1, 1999, may not operate a motorboat of twenty-five (25) horsepower or greater for recreational boating purposes on inland waters of this State or territorial waters, unless that person is 12 years of age or older and has completed a boater safety and education course. There are a few exemptions, such as for registered Maine guides (hunting, fishing, and recreational guides only), the commercial fishing industry, daily boat renters, and merchant mariners.

The course teaches participants how to safely operate and maintain a boat, Maine boating laws, how to prepare for boating emergencies, environmental concerns including how to prevent the spread of aquatic invasive species, and more. The course may be taken in-person or online.



200' off ANY SHORELINE

Always operate your boat at a safe and reasonable speed for your surroundings. Remember that the law requires you to operate at "headway speed" within 200 feet of any shoreline, including islands.

www.maine.gov
HEADWAY SPEED:

<u>The slowest</u> speed at which it is still possible to maintain steering & control of the watercraft.







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Shout out to the Johnson family! Square Pond loves and appreciates you!

Water Quality for 2023

Well the only way to describe the summer of 2023 is rain, rain and then more rain. Between all of the rain, a lot of pine needles and leaves in the water and all of the sediment from the run-off, the water clarity was below normal all summer. It showed some minor improvement but still only went from about 15' to 19' of clarity. This is compared to a good summer where clarity is around 25' and sometimes even higher. I expect the clarity to come back after everything settles over the winter. We all hope for more sun and less rain this coming summer.

I have included 3 graphs with this letter-

The first one is a graph of the water temperature from late May until late August. As you can see the surface temperature changes quite a bit but the bottom temperature remains almost the same. The lake was cooler than normal all summer, mostly due to all of the rain. Mid July was a slight warm up but it didn't last long.

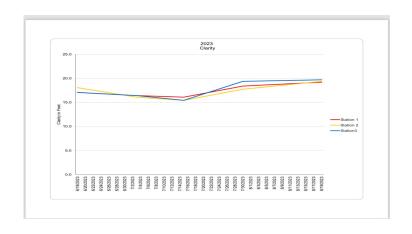
The second graph is water clarity. Clarity started low and reduced even more in mid July. After mid July, there was less rain and water clarity started to improve.

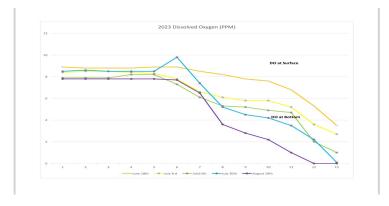
The third graph is a measure of dissolved oxygen (DO) in the water. Dissolved oxygen is a good measure of lake health. If the oxygen is too low, the fish can not survive and algae can take over the lake. The dissolved oxygen at the bottom of the lake always goes down to almost 0. This is normal due to the water temperature being so much colder. By measuring the DO over the full water columns we can compare the readings year after year to determine if there are any major changes that require any external action. The data shows that Square Pond is healthy. Lake Stewards of Maine is the agency that all data is reported to, and they monitor changes.

Www.lakestewardsofmaine.org

As always, if anyone has any questions, you can email me at rcaronster@gmail.com We are all looking forward to a sunnier summer for 2024.

Rob Caron









SAVE THE DATE!!!

August 2, 2024

Province Lake Golf







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The ASYCC completed its 23rd year as a non-profit organization created to protect our lakes in the Mousam Lake-Square Pond Watershed through the application of courtesy boat inspections, erosion control measures, technical assistance, invasive plant patrols and public outreach/education.

Erosion control crew completed 21 total projects over a 9 week season.

The Courtesy Boat Inspections had another very high traffic year for boat inspections with a total of 7074 boats! The number of plant fragments collected was 351 and of those collected, 38 were determined to be invasive. THERE WERE NO INVASIVE PLANT FRAGMENTS FOUND ON SQUARE POND. Swollen Bladderwort was found at the launch on Mousam Lake. This floating non-rooted invasive plant has taken hold in several areas on Mousam Lake. The MLRA has launched a major effort to control the spread of this surface water floating invasive plant.

The ASYCC is grateful to the Towns of Acton and Shapleigh, the MLRA and the SPIA for their ongoing financial support.

Using this local support, the ASYCC is able to hire local residents who have a vested interest in protecting the local waterways. The ASYCC hires approximately 15-20 local residents.

WWW.ASYCC.COM



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Lake Living-The Benefits of Living on the Lake

Lake living benefits your health.

It reduces stress and is peaceful. The feeling of relaxation has many positive benefits.

There's always something to do and family memories to create.

One of the best parts about lake living is the amount of water activities to enjoy. You can al-



ways explore with a kayak, go paddle boarding, float in the lake or boat ride with friends and family.

The best part is creating decades and many generations of firsts....Learning how to swim, kayak, dive, and snorkeling. The Square Pond community is the luckiest one around. We have countless volunteers and many homeowners with decades of history and plenty of new lake lovers that truly care.



4th and 5th Generation Square Ponders

Invasive Plant Patrol Report & Request for Help

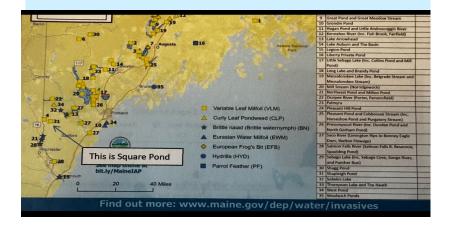
By: Donna Rosenkrans

First, I would like to sincerely thank our Invasive Plant Patrollers for their time & effort spent patrolling our Square Pond shoreline in 2023. We are blessed to have 12 dedicated patrollers who perform their patrols and provide me the needed patrol summaries throughout the summer. After 9 years leading this team, 2024 will be my final season as IPP Coordinator for Square Pond. It has been fulfilling to work with the increasing numbers of IPP team members. I plan to remain on as a patroller and look forward to transitioning out of the Coordinator role this summer. Please let me know if you are interested in leading this dedicated group of patrollers.

Invasive plants have the potential to overwhelm the native vegetation in any lake. We are all happy that Square Pond is invasive free -FOR NOW.

The map below show there are many lakes around that are not so lucky. We don't want Square Pond to ever be on this list. Last year a new invasive plant, Swollen Bladderwort, was discovered on our neighbor Mousam Lake. The same plant was discovered 3 years ago on nearby Arrowhead Lake. Lake Stewards of Maine now recognizes 15 aquatic invasive species to look out for in Maine lakes. Their updated poster is available at

www.lakestewardsofmaine.org/most-unwanted-poster/

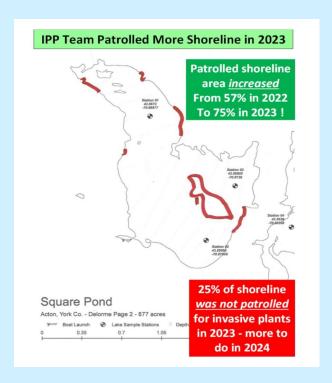


-Invasive Plant Patrol Continued

The chart below shows our team was able to increase the patrolled shoreline to 75% (vs 57% in 2022).

While this is a wonderful increase, it still leaves 25% not patrolled.

More help is needed to achieve our goal of 100% in 2024!



We need your help to achieve patrolling 100% of the shoreline in 2024. It is a few hours at most. Training and necessary materials will be provided at no cost to you. Please contact Donna Rosenkrans at ippsquarepond@gmail.com to join the IPP team.

GOOD, BETTER, BEST

**Benefits Of Sensor Lights for Less Light Pollution

and Bug Control**

- 1.REDUCED LIGHT POLLUTION-Sensor lights play a crucial role in minimizing light pollution. Unlike traditional lights that remain constantly illuminated, sensor lights only activate when they detect motion. By emitting light only when necessary, they significantly reduce unnecessary light pollution. This is especially important around the lake where excessive artificial illumination can disrupt the delicate ecosystems and affect wildlife.
- 2.ENERGY EFFICIENCY-Sensor lights contribute to energy conservation. They automatically turn off when no motion is detected, preventing wasteful energy consumption. Lower energy usage not only reduces electricity bills but also helps mitigate carbon emissions, benefiting the environment.
- 3. IMPACT ON INSECTS-Sensor lights, particularly those with warmer hues, attract fewer bugs than traditional incandescent bulbs. Here's how they achieve this:

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UV EMISSION: LED lights emit UV light, which attracts insects like moths and beetles. However, incandescent bulbs emit less UV light, making them less appealing to bugs.

Color Temperature: Insects are more attracted to warmer hues, LED lights can be adjusted to emit colors less appealing to bugs, minimizing their presence.

Motion Sensers: Installing motion sensor lights ensures they activate only when needed, reducing bug encounters.

4. PRACTICAL SOLUTIONS— To strike a balance between safety and bug reduction. *Dimming-Dim street lights during early hours to minimize bug attraction.. *Color Filters-Use color filters to cut out harmful wavelengths. *Strategic Placement-Position lights away from sensitive areas to avoid disturbing nocturnal insects.

Remember, while sensor lights benefit both the environment and our wallets, thoughtful implementation is essential to maximize their positive impact. invasivelandplantsqpond@gmail.com

Invasive Land Plant Patrol Team, Mary Ann Robator

Acton Emergencies Dial 911

Town Hall: 207-636-3131 (35 H Road Acton)

Website: www.actonmaine.org

Shapleigh Emergencies Dial 911

Town Hall: 207-636-2844 (22 Back Road, Shapleigh)

Website: www.shapleigh.net

Emergency Veterinarians- (24 hour)

Maine Veterinary Medical Center Scarborough

207-885-1290

Port City Veterinary Referral Hospital-Portsmouth

603-433-0056



Ridgelineyourhome.com 207-432-0810

