



LAKE RESCUE ASSOCIATION

EST. 1933 | LUDLOW, VERMONT

89th Annual Meeting

August 6, 2022

Agenda

1. Welcome and Introductions
2. Lake Rescue Association Overview
3. Treasurer's Report
4. *Rescue Our Lakes* Campaign
5. Membership
6. Sediment Initiatives
7. Town Manager's Remarks
8. Milfoil Report
9. State Dock
10. Boating Safety
11. Old/New Business
12. Board Elections

Our Board of Directors

(left to right)

Natalie Fisher (*Secretary*)
Kevin Golmont (*Treasurer*)
Phil Newell
Spencer Rubin
Barb Silver (*co-President*)
George Thomson
Bruce Zanca (*co-President*)



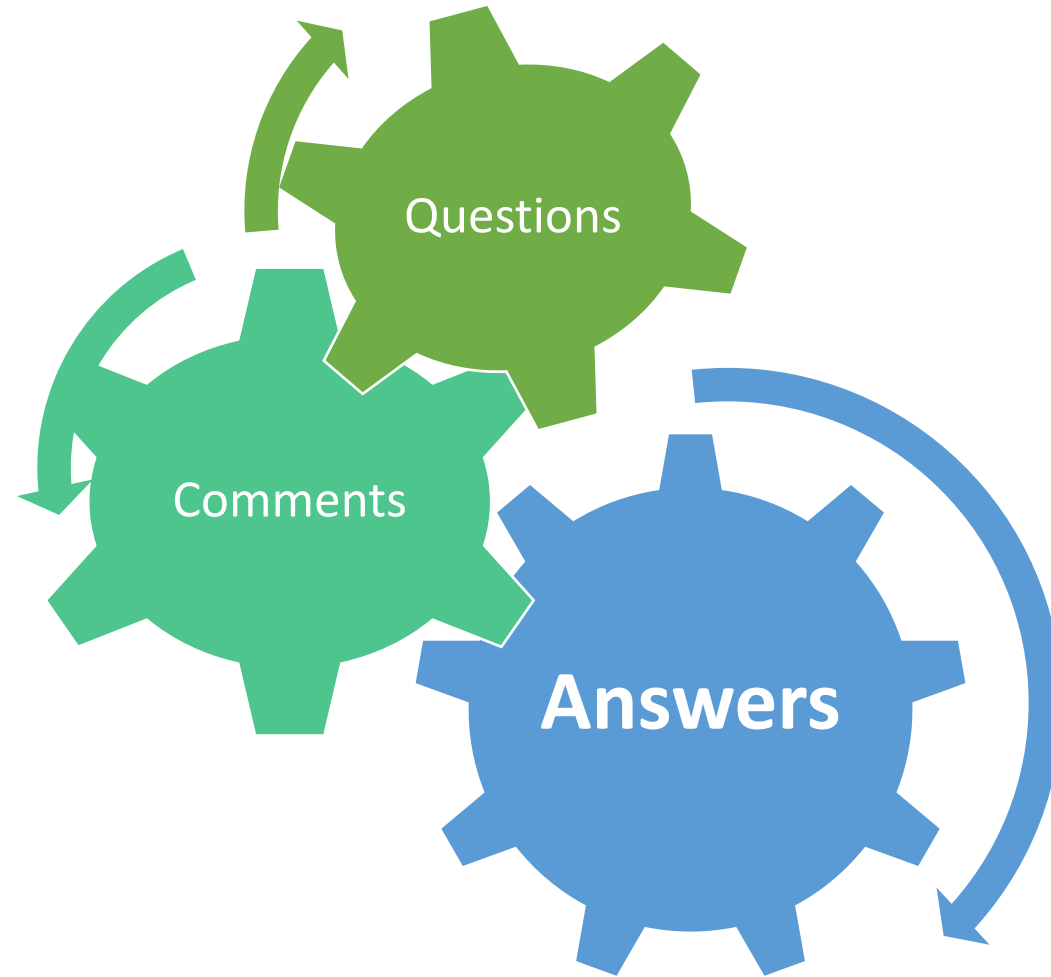
The Lake Rescue Association

To maintain, restore, and ensure the future of Lakes Rescue and Pauline

Who we are, what our mission means
and what it doesn't

Purposes – LRA By-Laws (proposed 2022):

1. **Maintain, preserve, restore and improve those bodies of water** within the Lake District, including but not limited to Lake Rescue, Round Pound, Lake Pauline, and the portions of the Black River and the watershed lying within the Lakes District (herein collectively “the Lakes”);
2. **Educate members and other community members** as to the importance of the Lakes and the mission of the LRA as a voluntary non-profit organization (rather than a homeowners’ association with enforcement powers);
3. **Develop plans and initiate programs** which will ensure a favorable ecological balance and good water quality;
4. **Work to mitigate the presence of invasive aquatic nuisance species**, such as Eurasian water milfoil from the lakes;
5. Work with the State of Vermont, the Town of Ludlow and private landowners to **minimize the erosion of road material, sand and soil into the Lakes** and to educate members and others as to soil conservation practices to control runoff;
6. Cooperate and work with the State of Vermont and the Town of Ludlow and adjacent towns in their efforts to **maintain the Lakes in good condition**;
7. **Educate and encourage members and other users of the Lakes in all aspects of water safety** such as safe boating, swimming safety and adherence to state boating regulations, by such means as publicizing the rules and erecting safety markers;
8. **Promote a sense of common interest** among members and **encourage greater community awareness** in preserving the Lakes as an invaluable natural resource for the entire region; and
9. **Provide a forum for resolution** of other matters of importance affecting the membership and that pertain to the mission to maintain and restore the Lakes.



Comparative Income Statement

	FYE June 30, 2022	FYE June 30, 2021
Total Income	\$137,244.79	\$212,269.55
Total Expenses	67,093.38	70,515.41
Net Income	\$70,151.41	\$141,754.14

Comparative Income

	FYE June 30, 2022	FYE June 30, 2021
Income		
Membership Dues	\$6,429.27	\$5,674.80
Rescue Our Lakes Fund and Donations	119,139.29	198,008.23
Mary Rita Batesole Scholarship Donations	<u>950.00</u>	<u>75.00</u>
Total Membership Dues and Donations	<u>126,518.56</u>	<u>203,758.03</u>
Grant Income	9,585.20	7,674.00
Investment Income	407.33	837.52
Independence Day Event Income	733.70	0.00
Total Income	<u>137,244.79</u>	<u>212,269.55</u>

Comparative Expenses

Expenses	FYE June 30, 2022	FYE June 30, 2021
Operations		
Accounting Fees	1,827.82	1,227.00
Bank Fees	23.66	36.97
Books, Subscriptions, Reference	2,501.00	1,137.00
Business Registration Fees	250.00	409.00
Communications Expense	0.00	981.94
Insurance – Liability, D and O	<u>2,876.30</u>	<u>1,681.50</u>
Total Operations	<u>7,478.78</u>	<u>5,473.41</u>
Special Program Expenses		
Boat Monitor Expense	250.00	0.00
DASH Boat Project	11,283.58	17,668.33
Milfoil Expense	<u>41,526.22</u>	<u>44,580.67</u>
Total Special Program Expenses	<u>53,059.80</u>	<u>62,229.00</u>
Charity	1,000.00	200.00
Legal Fees	4,354.40	2,488.00
Independence Day Event Expense	<u>1,200.40</u>	<u>125.00</u>
Total Expenses	<u>67,093.38</u>	<u>70,515.41</u>

Comparative Balance Sheet

	As of June 30, 2022	As of June 30, 2021
Assets		
General Checking	\$17,951.35	\$30,626.44
American Portfolios	18,505.36	18,505.36
Berkshire Bank CDs (various maturities)	81,300.17	92,761.95
Money Market	226,759.91	132,665.60
Paypal	459.62	265.65
Total Assets	\$344,976.41	\$274,825.00
Liabilities	0.00	0.00
Equity		
Retained Earnings	274,825.00	133,070.86
Net Income	70,151.41	141,754.14
Total Liabilities and Equity	\$344,976.41	\$274,825.00



RESCUE OUR LAKES - SUMMER '22 UPDATE

- Original Fundraising Target by EOY '23: \$250K
- Total Donations To-date: \$315+K
- Estimated Campaign Total: +\$400K
- Funding will Continue to Support:
 - DASH boat operation associated costs
 - Dredging Narrows channel
 - Bottom Barrier Purchases
 - LRA Reserve Replenishment

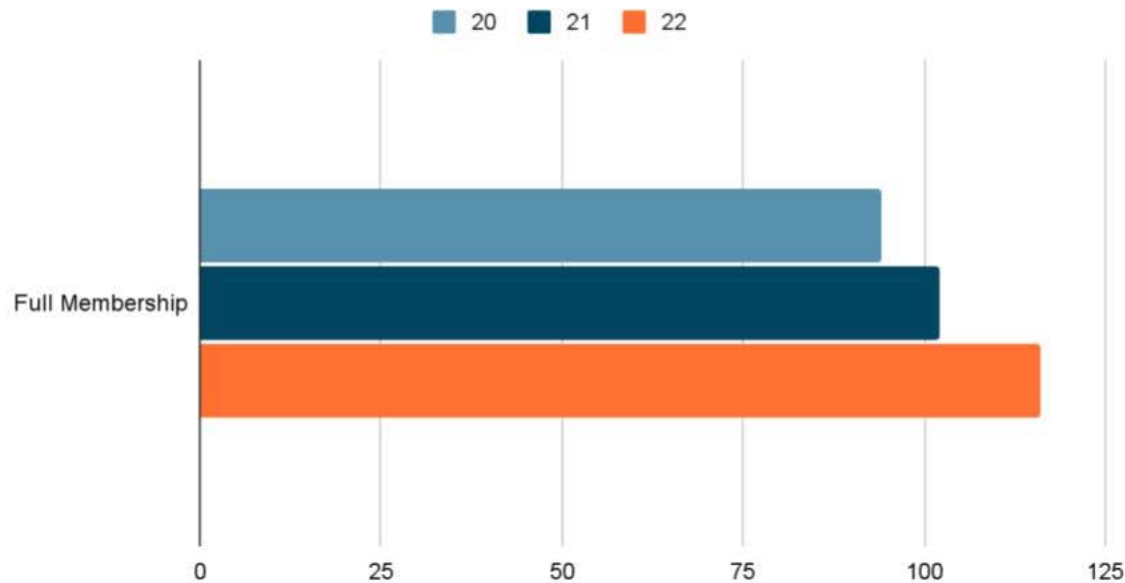
Key Results to-date from Fundraising:

- Additional bottom barrier purchases
- Earlier and more active remediation of milfoil presence year over year

Membership & Outreach

The Rescue our Lakes committee realigned to focus on community engagement and to drive new membership.

LRA Membership



FY22 Activity:

- Postcard mailer to non-member HH's via Kathy Burns and William Raveis | VT Properties



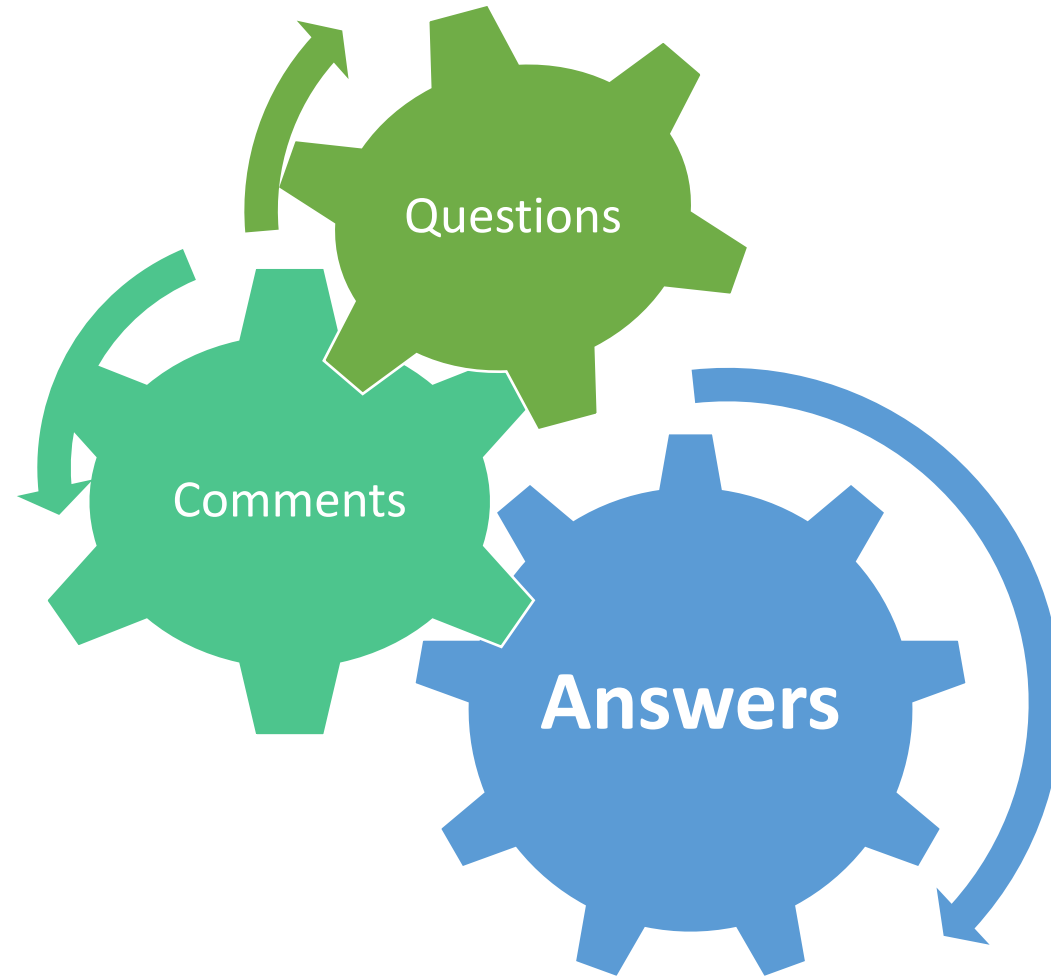
- 1:1 July 4th Picnic and New Member door-to-door pamphlet drop – Thank you to our volunteers!

Key Areas of Focus in FY23

- NEON Refocus and alignment
 - Clean up data for each family
 - Make the LRA site interface more user-friendly

ROL | Membership Committee Focus FY23

- *Friends of the Lake* – Establish greater relationships with Local Businesses and the surrounding community
- New Member Development
 - Continued 1:1 Outreach
 - Pop-up Events
 - Fund raising Campaigns and Events (e.g. Picnic)
- The committee is going regroup and put out a calendar of events/ideas to share with the membership this Fall – stay tuned!
- Huge THANK YOU to the Committee this year: Sharon Fleischer, Jane Simon, Jackie Thong, Gigi Katsiff, Barb Silver and Spencer Rubin - New members always welcome!



Sediment Initiatives

- Dredging Project
- Catch Basins and Roadways
- Ludlow Stormwater Masterplan
- Other efforts



Dredging Project

- In 2020, LRA filed a Lake Encroachment Permit Application
- Application was approved on August 7, 2020
- 5-year permit, expires August 7, 2025
- Deferred dredging in 2021 and 2022
- Planning to dredge Fall 2023
- Provides 1-year cushion for any unforeseen delays



Approved Permit Summary

- Permittees: Lake Rescue Association
- Co-Permittee: AE Commercial Diving
- Dredging activities shall occur between July 1 and March 15
 - Dredging area in mouth of the Black River and into the Narrows
 - Removal of approx. 1,980 cubic yards
 - Project area 1.58 acres
 - Restore lake bottom to minimum depth of 3 to 4 feet in the project area
- Estimated cost \$125,000 (2020 Estimate)
- Permit expiration August 7, 2025

Project Area

(Aerial view May 24, 2020. The project area marked is for illustrative purposes only; actual project area will be based on a bathymetric survey by Griggs Lang.)



Dredging Process – Next Steps

- Monitor and determine when dredging will begin however cannot be later than Fall of 2024
- Schedule Bathymetric report for October 2022
 - Proposal from Griggs Lang for \$1,800
- Compare updated Bathymetric report to current permit to confirm or amend project area.
- Schedule contractor, reserve equipment and purchase materials
- Apply to VT Fish and Wildlife for Special Use Permit
- Identify area to dispose of sediment removed from lake

Catch Basins on Roadway Around Lakes

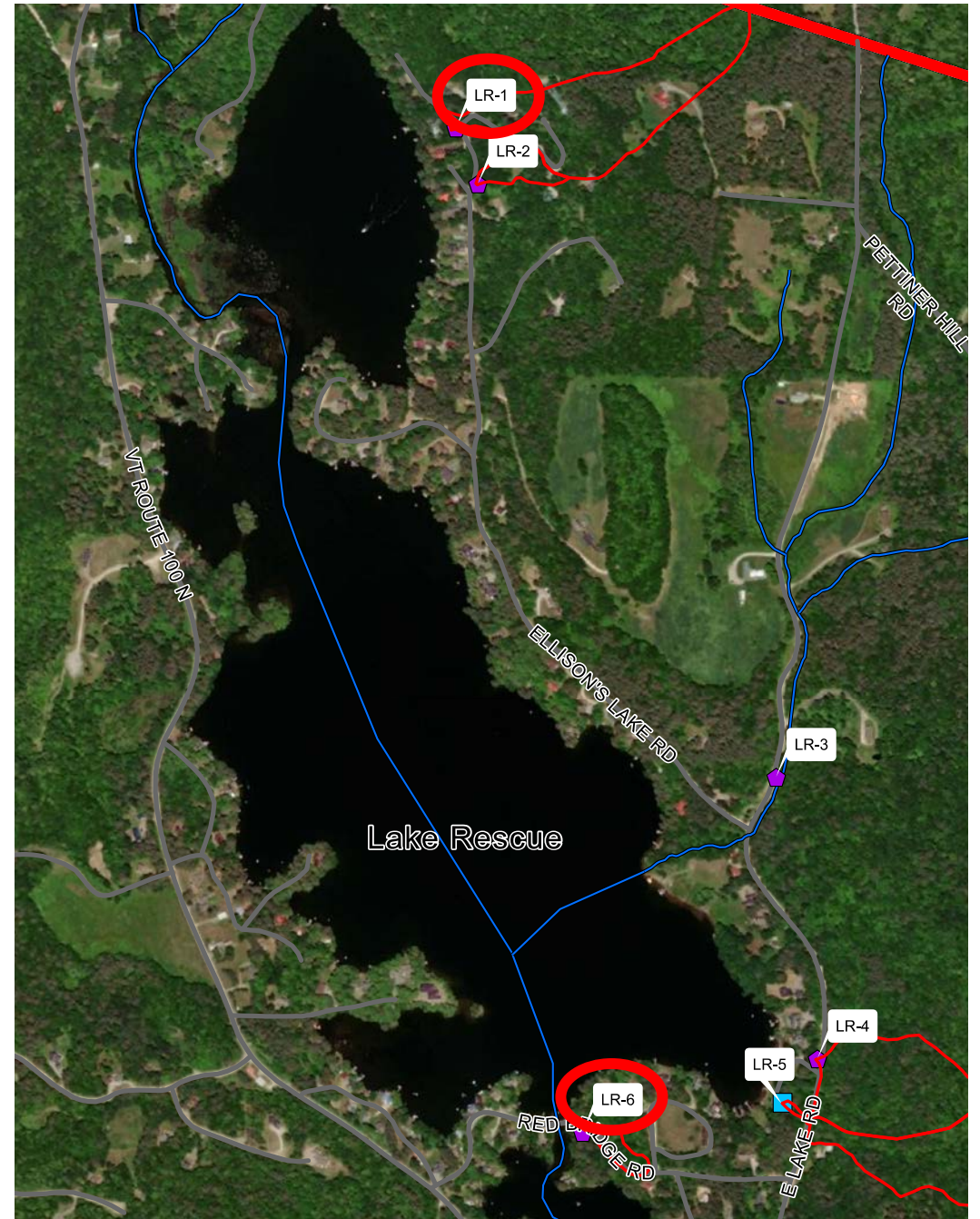
- LRA continues to monitor sediment build up in catch basins and ditches along roadways.
- Thank you to Town of Ludlow for cleaning out catch basins and ditches in June 2022.
- On June 22, 2022, LRA met with Plymouth Select Board members and Marie Caduto VT-DEC regarding mitigation of sediment flowing from Patch Brook. No plans at this time.

Ludlow Stormwater Master Plan (SWMP)

- In June 2020, the SWMP report was completed by the Mount Ascutney Regional Commission (MARC).
- 2 of the areas (LR-1 Norman & Tepper Drive, LR-6 Red Bridge Road) were selected for conceptual design development
- In March 2022, MARC informed LRA and Ludlow that the funding is “in-hand” for both LR-1 and LR-6.
- Does not require any matching funding from Town of Ludlow
- On July 29, 2022, MARC indicated:
 - Planning and permitting would begin on LR-1 Norman & Tepper Drive the week of August 1
 - Indicated that it is not likely to go to construction until next year (2023)
- MARC also indicated that LR-6 will need property owner approval before any further action can be taken.

Drainage locations

- 6 problem areas identified
- 2 circled in red selected
- L6 requires property owner approval



Better Roads Project for stream crossing East Lake Road south of Archibald Lane

- LRA has been working for a grant for this work since 2018
- Ludlow re-applied for Better Roads Grant December 13, 2021
 - Upgrade culvert
 - Stone lined ditch and headwalls
- This project was approved in May 2022 for a Better Roads grant
- Project expected to be completed Fall 2022
- Awarded 80% of cost up to \$16,600.00
- Construction work and final report paperwork must be completed by June 30, 2023



Town Manager's Remarks

Welcome Scott Murphy



Milfoil

- Overview (identifying, incidence, costs)
- Measures to control milfoil
- DASH Boat
- Moving forward



Eurasian Milfoil

- If left unchecked, thick mats of milfoil make swimming, boating and fishing impossible
- Lake Bomoseen Castleton, VT



2022 year-to-date by the numbers

	2019	2020	2021	2022
HARVEST (gallons)	275	6,700	1,600	1,406 (as of 8/04)
Bottom Barriers	12	12-24-48	48	63
Cost (state grant)	\$20,152 <u>(\$3,700)</u> \$16,452	\$42,365 <u>(\$7,500)</u> \$34,865	\$51,000 <u>(\$14,900)</u> \$36,100	\$87,683* <u>(\$15,000)</u> – Max \$72,682

*Includes labor, additional 15 barriers, new boat motor and net greeter program cost

Measures to Control Milfoil

- Bottom barriers – 63
 - Added 15 barriers this season
- Boat greeter program
- Extraction methods
 - Hand pulling rooted plants Divers and homeowners
 - Netting floating fragments
 - Volunteer patrols
 - Diver Assisted Suction Harvesting

Hand pulling

- Step One: Gently reach behind the plant with your palm or small hand rake towards you and your fingers/rake pointed downward.
- Step Two: push your fingers/rake into the bottom behind the plant stem (as far as you can, if necessary, and pull towards you. Your fingers/rake should be below the root crown of the plant .
- Step Three: When you have the bottom of the stem in your grasp, pull it upwards out of the bottom. Use your hand as though it were a rake.



Volunteer Zones: Sign up Today

Looking for volunteers most in Zones 10,9,8 and 7 to patrol, mark and notify or pull



Dash Boat



New 50hp Mercury Outboard

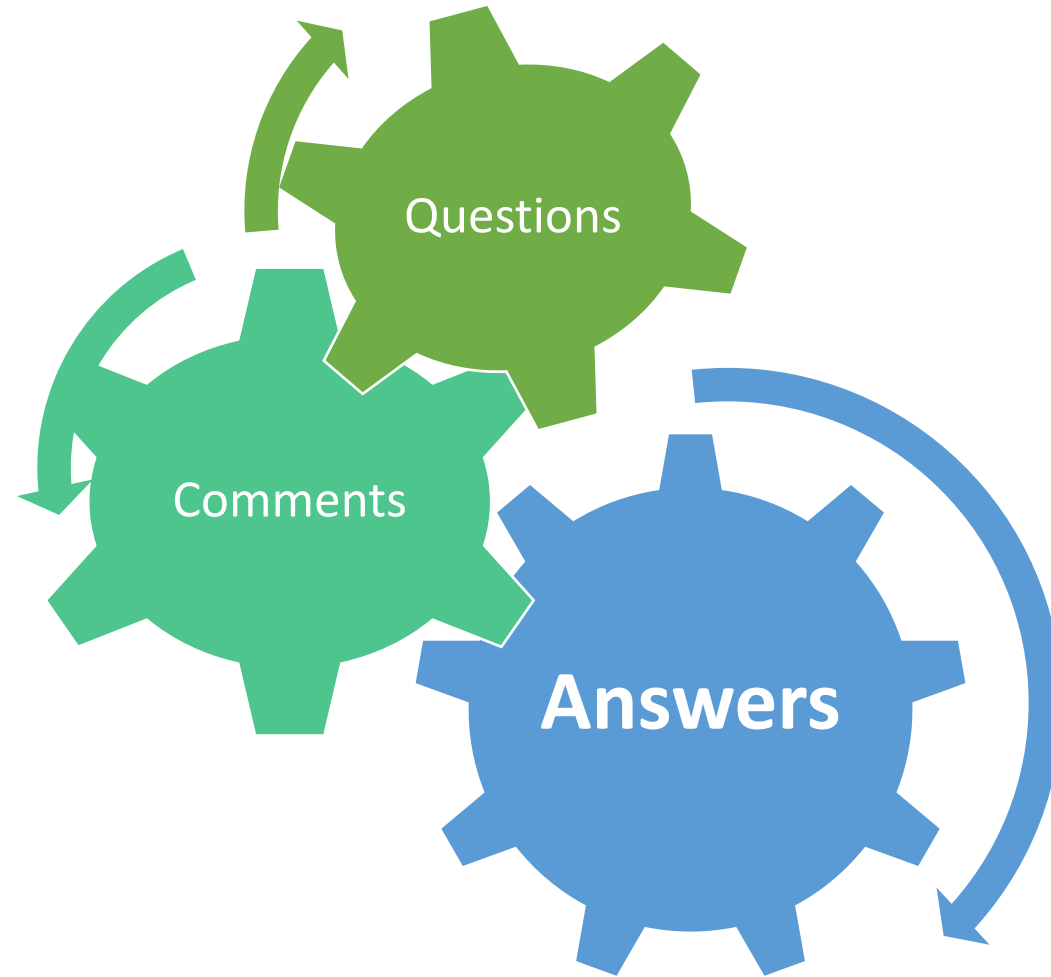
Program for balance of 2022 season

- Bottom barriers will be relocated to other problem areas in the next week or two
- LRA plans to continue 3 harvesting visits per week –2 with DASH boat, 1 hand pulling in Pauline when needed
- Resident harvesting, spotting and marking
- Continual strategy reevaluation



State Dock Update

- VT Fish and Wildlife Department filed for encroachment permit in 2018 to install a 48 foot “ADA” compliant boat dock at the Lake Rescue fishing access boat ramp.
- All comments filed during the public comment period, and at a public meeting from local stakeholders expressed concern and problems with the state’s plan.
- Nevertheless, The agency for Natural Resources, the parent organization of Fish and Wildlife, approved the application.
- The Lake Rescue Association and some adjacent homeowners filed for appeal with the Vermont environmental court.
- Because of Covid the case has been delayed.
- Our attorney, George McNaughton of Springfield, Vermont unexpectedly passed away this spring.
- We’ve hired replacement counsel, AJ LaRossa, an environmental attorney in Burlington, Vermont.
- We expect to go to trial in December



Boating Safety

- Vermont boating laws
 - Speed limits (5 mph 200' from shore or obstacles)
 - Rules of the road and PFD requirements
 - Licenses/registrations
 - Milfoil boat checks
- LRA recommendations
 - Boating times (8 a.m – after dusk)
 - Counter-clockwise boating
 - Slow-wake buoys
- Wake boats/slow wake buoys
- Role of the LRA <https://lakerescue.org/boating/>
- Responsibility as a lake community member
- Reporting inappropriate activity/violations: state police/ game warden



Old Business:

Mary Rita Batesole Scholarship

- Since 2020, LRA has given a \$1000 scholarship to a local high school graduating senior who is planning study in an Environmental field.
- This year, we chose among 3 applicants. Two from Green Mountain Union HS and one from Windsor HS
- Our selected winner was Clara Gignoux from Cavendish, attending GMUHS
- She will be attending Rensselaer Polytechnic Institute and studying Environmental Engineering.



New Business

Organization Name Discussion

Membership Votes

- By-Laws Revisions
- Increase in Membership Dues to \$75
- 2022 Board Nominations

Thank you for your support!

LakeRescueAssn@gmail.com

www.LakeRescue.org