



LAKE RESCUE ASSOCIATION

EST. 1933 | LUDLOW, VERMONT

88th Annual Meeting

August 7, 2021

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



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

Our Board of Directors

(left to right)

Ann Rose *(Treasurer)*

Natalie Fisher

Bill Vanneman

Phil Newell

Frank Wingate

Jacalyn Diesenhouse

Bruce Zanca *(co-President)*

Barb Silver *(co-President)*

Kevin Golmont *(Secretary)*



Purposes – LRA By-Laws:

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 others** as to the importance of the Lakes and to develop plans and initiate programs which will ensure a favorable ecological balance and good water quality;
3. **Protect the Lakes from infestation** by invasive aquatic nuisance species such as Eurasian water milfoil;
4. Work with the State of Vermont, the Town of Ludlow and private landowners to **prevent 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;
5. 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**;
6. **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;
7. **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
8. **Provide a forum for resolution** of other pertinent matters of importance affecting the membership

Treasurer's Report

Profit & Loss

July 1, 2020 –
June 30, 2021

	TOTAL
Income	
Donations Received	22,490.20
Government Grants	0.00
Milfoil Grant Income	7,674.00
Total Government Grants	7,674.00
Interest Income	693.05
MaryRita Batesole Scholarship Fund Income	75.00
Membership Dues	5,674.80
Rescue Our Lake Fund Income	157,657.14
Total Income	\$194,264.19
GROSS PROFIT	\$194,264.19
Expenses	
CHARITY	200.00
Contract Services	0.00
Legal Fees	2,488.00
Total Contract Services	2,488.00
DASH Board Project	18,168.33
Operations	0.00
Accounting Fees	1,227.00
Bank fees	36.97
Books, Subscriptions, Reference	1,137.00
Business Registration Fees	409.00
Communications Expense	981.94
Insurance - Liability, D and O	1,681.50
Total Operations	5,473.41
Special Events Expenses	0.00
July 4th Party Expense	125.00
Total Special Events Expenses	125.00
Special Program Expenses	0.00
Milfoil Expense	44,560.67
Total Special Program Expenses	44,560.67
Total Expenses	\$71,015.41
NET OPERATING INCOME	\$123,248.78
NET INCOME	\$123,248.78

Treasurer's Report

Balance Sheet

July 1, 2020 –
June 30, 2021

	TOTAL
ASSETS	
Current Assets	
Bank Accounts	
13 month cd enrolled 7/26/2018	20,620.70
3 Year CD - Lake Restoration #2510	29,604.94
Berkshire CD 11/19 x1945	11,573.33
CD Berkshire 13 mo	30,962.98
General Checking	30,626.44
Heritage CD 37mo	0.00
Heritage Savings	0.00
Money Market Account	132,665.60
PayPal Bank	265.65
Total Bank Accounts	\$256,319.64
Other Current Assets	
Undeposited Funds	0.00
Total Other Current Assets	\$0.00
Total Current Assets	\$256,319.64
TOTAL ASSETS	\$256,319.64
LIABILITIES AND EQUITY	
Liabilities	
Total Liabilities	
Equity	
Retained Earnings (Net Assets as of end of last fiscal year)	133,070.86
Net Income	123,248.78
Total Equity	\$256,319.64
TOTAL LIABILITIES AND EQUITY	\$256,319.64

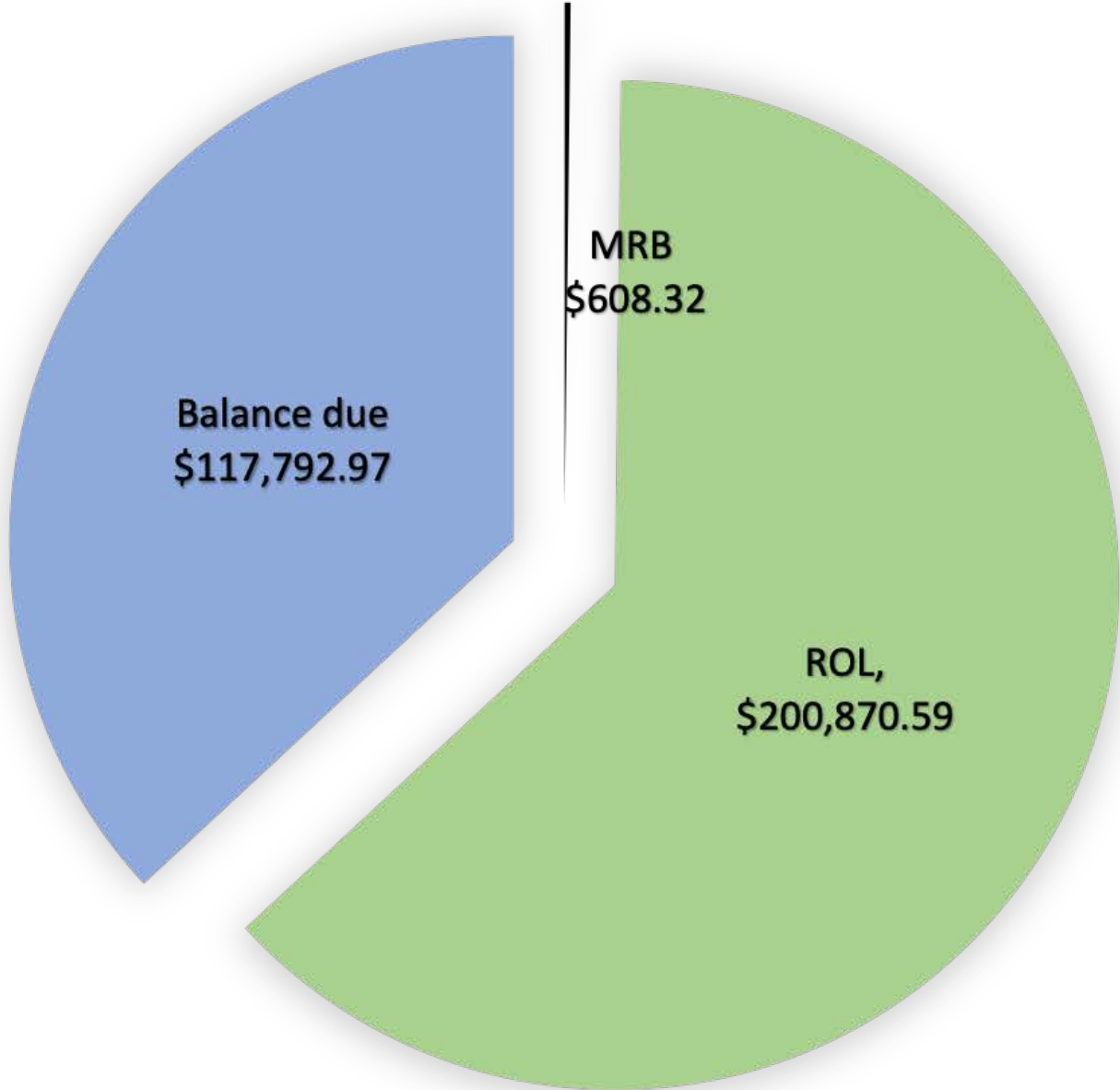
Rescue Our Lakes Campaign Overview

- Fundraising Target: \$250,000 by EOY '23
 - Funding Supports:
 - DASH boat purchase and associated costs
 - DASH work and diver hand harvesting
 - Replenish LRA reserve
 - Dredging Narrows channel
 - Special Thanks to the ROL Committee
 - Gigi Katsiff (Co-Chair)
 - Spencer Rubin (Co-Chair)
 - Pete Andrews
 - Rod Forter
 - Tina Gehris
 - Kathleen Golmont
 - Kara Gregory
 - Amy Newell
 - Liz Spaulding
 - George Thomson
 - Jackie Thong
 - Michele Zanca

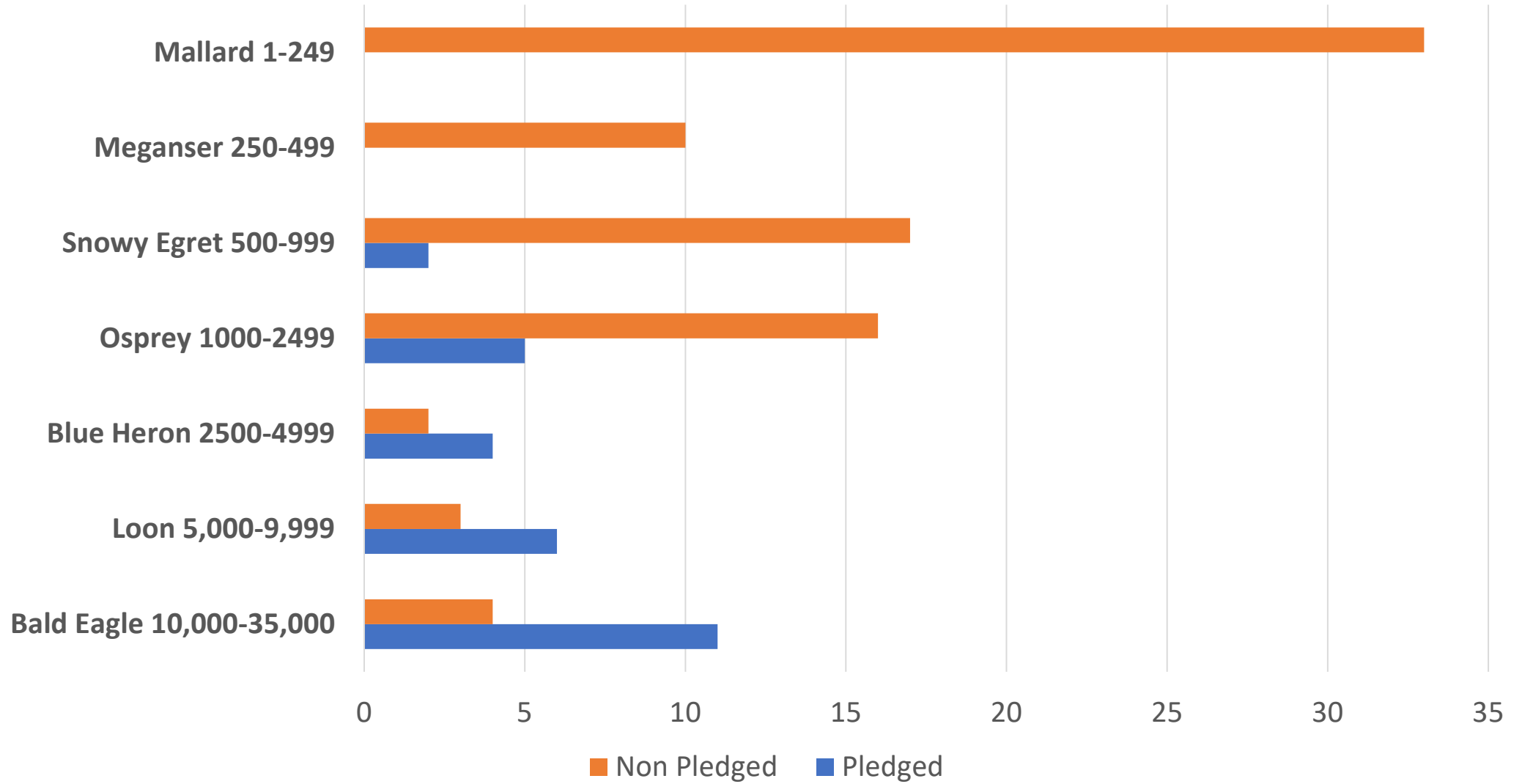
Key Highlights:

- **Creating Community Connections**
- **Launching Lakes Instagram Handle**
- **Outpouring support from over 110 different donors!**

ROL Campaign - \$317,271.88

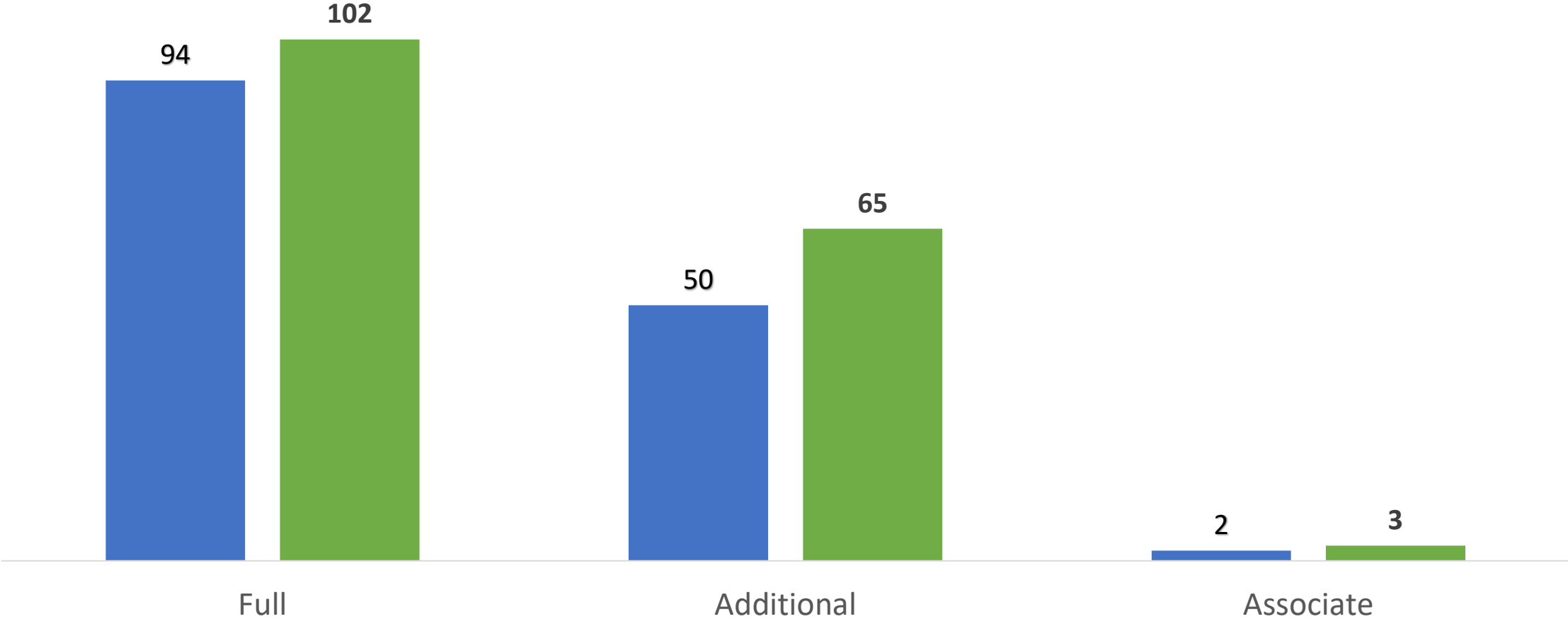


Non Pledge Donations v Pledge Donations



Membership

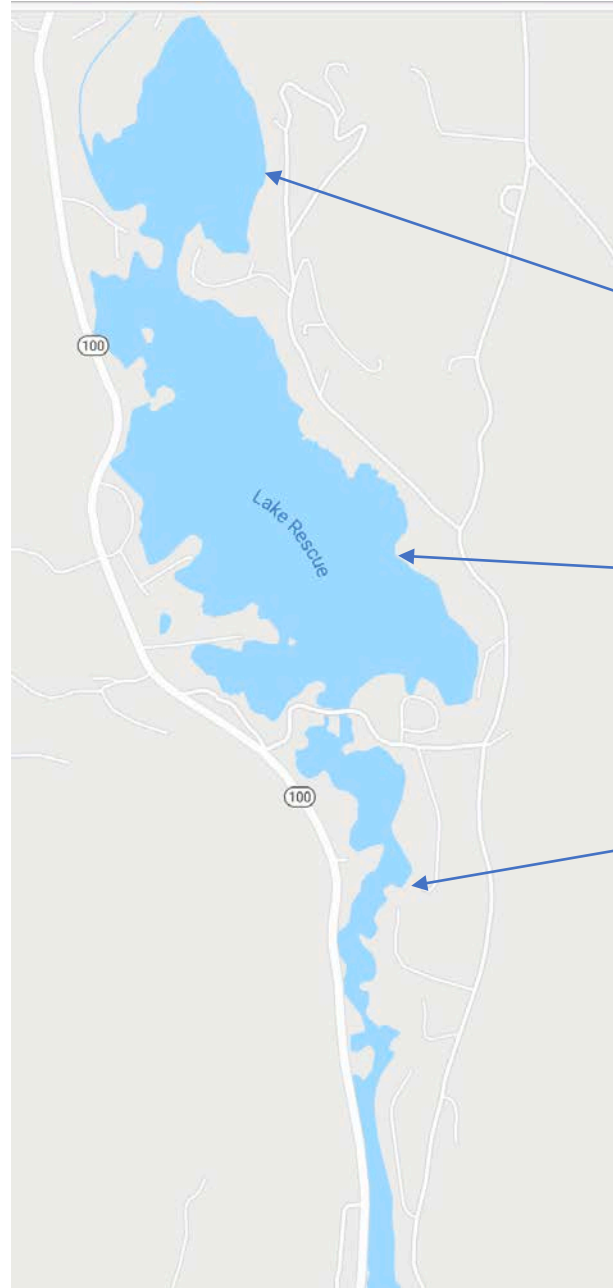
■ 2020 ■ 2021



Membership by Lake

TOTAL Membership = 170

- Associate 3
- Full 102
- Additional 65



Round Pond 18

Rescue 57

Pauline 27



LAKE RESCUE ASSOCIATION

EST. 1933 | LUDLOW, VERMONT

Account Login

Login Name

Password

Remember me for 2 weeks

 LOG IN

[Having trouble logging in?](#)

Or sign in with



NEON
DataBase



LAKE RESCUE ASSOCIATION

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Welcome Jacalyn Diesenhouse (Account# 831)



✓ What would you like to do?

- Member Directory
- My Donation
- My Membership
- Update Profile
- Change Password
- Manage My Addresses
- Re-Subscribe Email
- My Registered Event
- My Projects
- Volunteer
- Login Home
- Logout

Please, **logout** when done



Rescue Our
Lakes
Fundraising



ROL's new focus
Fundraising Initiatives + Membership Expansion



Membership
Committee

- Opportunity – 178 HH's not in LRA
- Strategy - Leverage committee and LRA members for outreach throughout Lake(s) District
 - 1:1
 - Digital & Physical Mailing
 - Social Media Outreach
 - Fund/Friend Raising Events and Campaigns
- Volunteer - LRA members/HH's - join ROL committee
 - New-membership Outreach
 - Fundraising Event Planning



Sediment Initiatives

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



Dredging Project

Permit Status

- In 2020, LRA filed a Lake Encroachment Permit Application
- Application approved August 7, 2020
- 5-year permit, expires August 7, 2025
- LRA decided to defer dredging in 2021



Approved Permit Summary

- Permittee: Lake Rescue Association
- Co-Permittee: AE Commercial Diving
- Dredging activities shall occur between Jul 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



Dredging Process – Next Steps

- Monitor and determine when dredging will begin however should be no later than Fall of 2024
- Update the Bathymetric report
- 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

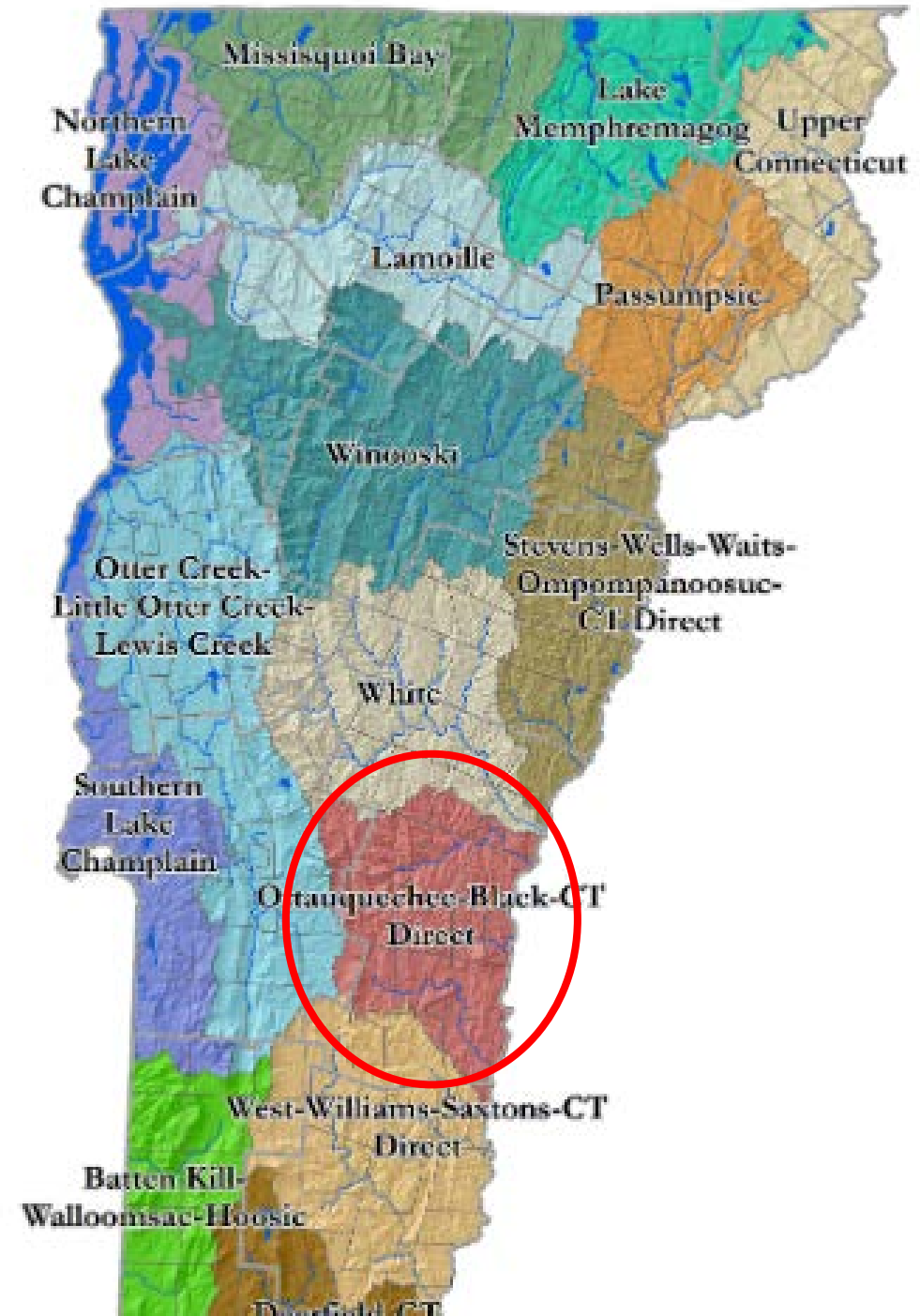
Catch Basins and Roadways

- 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 during the week of July 26.
- LRA membership poll regarding paving East Lake Road



Ludlow Stormwater Master Plan (SWMP)

- VT DEC monitors 10 watersheds in the state
- Basin 10 – Ottaqueechee/Black River Watershed
- Mt. Ascutney Regional Planning Commission (MARC) planned SWMP update for our watershed > 1 year ago
- Fitzgerald Environmental Consultants hired to assess stormwater issues in Ludlow
- Assessment of issues LRA identified around Lakes Rescue/Pauline was important part of study
- LRA meeting with Evan Fitzgerald summer 2020



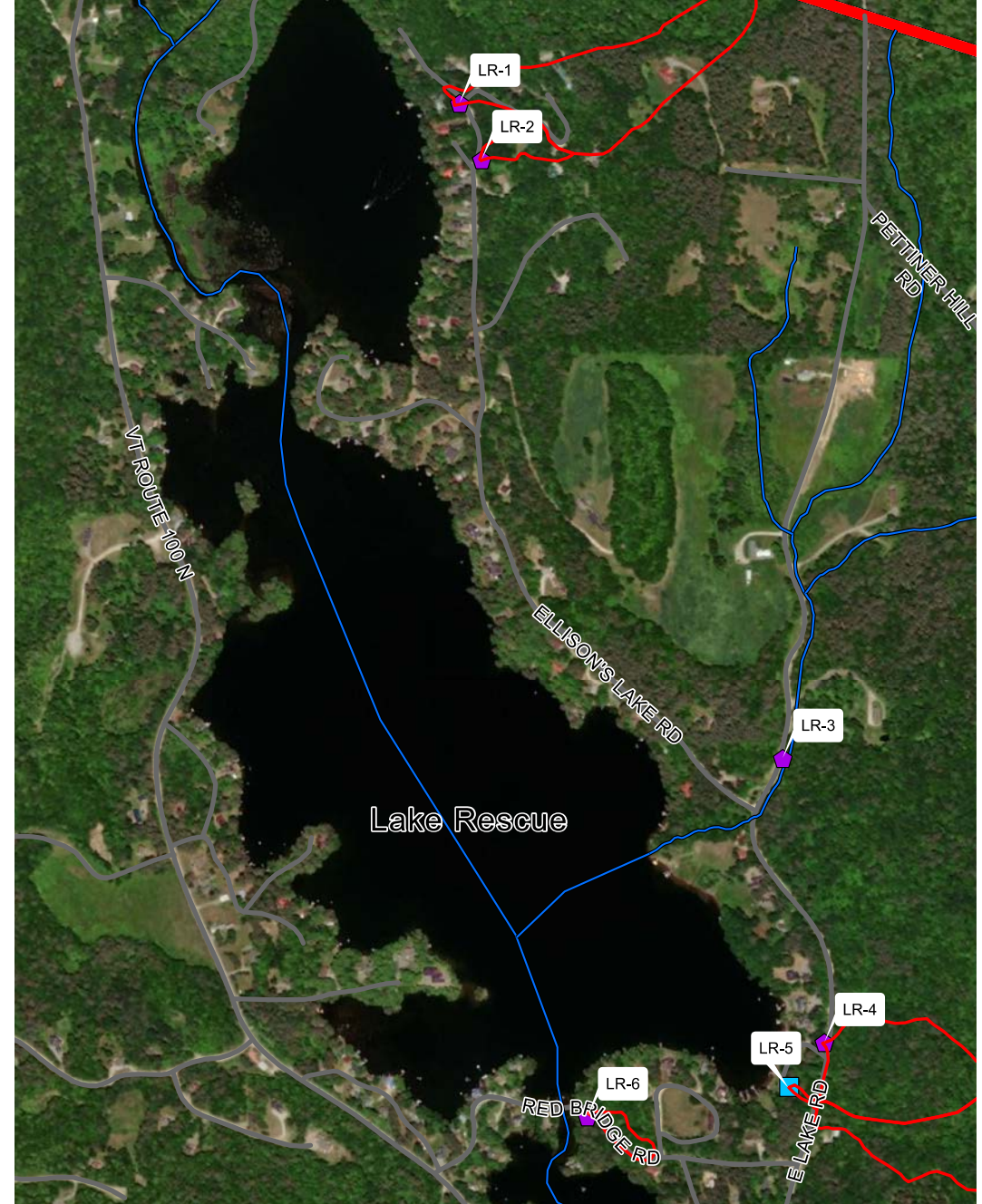
SWMP

- In June 2021, the SWMP report was completed by MARC.
- 2 areas (LR-1 Norman & Tepper Drive, LR-6 Red Bridge Road) selected for conceptual design development
- The report recommended that these areas be considered for further development
- LRA will communicate with town of Ludlow as they and MARC identify funding for these projects, in particular state Clean Water Grants
- Once projects funded and completed, LRA will work with town of Ludlow to ensure improvements are maintained

Drainage Locations

- LR-1 Norman & Tepper Drive**
- LR-2 Norman Drive & Ellison's Lake
- LR-3 Ellison's Lake and East Lake Roads
- LR-4 East Lake Road & Archibald Lane
- LR-5 East Lake Road
- LR-6 Red Bridge Road**

** recommended as priority locations for further mitigation efforts



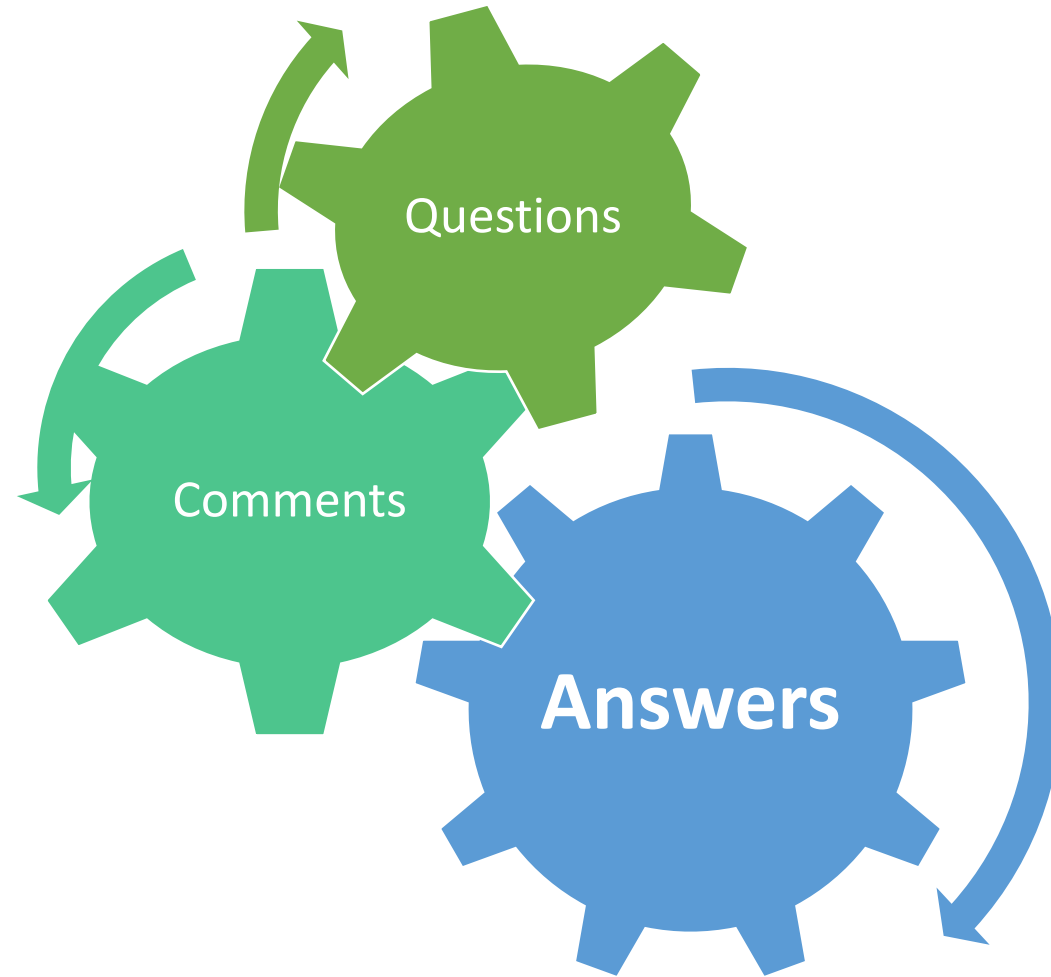
Stream Crossing East Lake Road South of Archibald Lane (LR-5)

- Ludlow applied for Better Roads Grant December 13, 2019
 - Upgrade culvert
 - Reshaping swale and stone lining for the stream
- This project was not approved for Better Roads grant in 2020 and will be resubmitted in fall 2021.



Town Manager's Remarks

Welcome Scott Murphy



Milfoil

1. Overview (incidence, costs)
2. Measures to control milfoil
3. DASH Boat
4. Moving forward





OVERVIEW

	2018	2019	2020	2021
HARVEST <i>(gallons)</i>	361	275	6,700	1,600 <i>(8-5-21)</i>
BOTTOM BARRIERS	--	12	12-24-48	48
COST <i>(state grant)</i>	\$14,725 <u>(\$ 7,600)</u> \$ 7,125	\$20,152 <u>(\$3,700)</u> \$16,452	\$42,365 <u>(\$7,500)</u> \$34,865	\$51,000 <u>(\$14,900)</u> \$36,100 <i>(estimate)</i>

Measures to Control Milfoil

- Bottom barriers - 48
- Boat greeter program
- Extraction methods
 - Hand pulling rooted plants
 - Divers and trained homeowners
 - Netting floating fragments
 - Volunteer patrols
 - Diver Assisted Suction Harvesting



DIVER ASSISTED SUCTION HARVESTING “DASH BOAT”

- Design – operation
- Cost
- Benefits
- Effectiveness

DASH boat contracted in 2020





STARCR
MILFOIL DIVERS
SUCTION HARVESTING
Paid for by Donations
www.lakerecove.org | Protecting Our Lakes

MARINE R



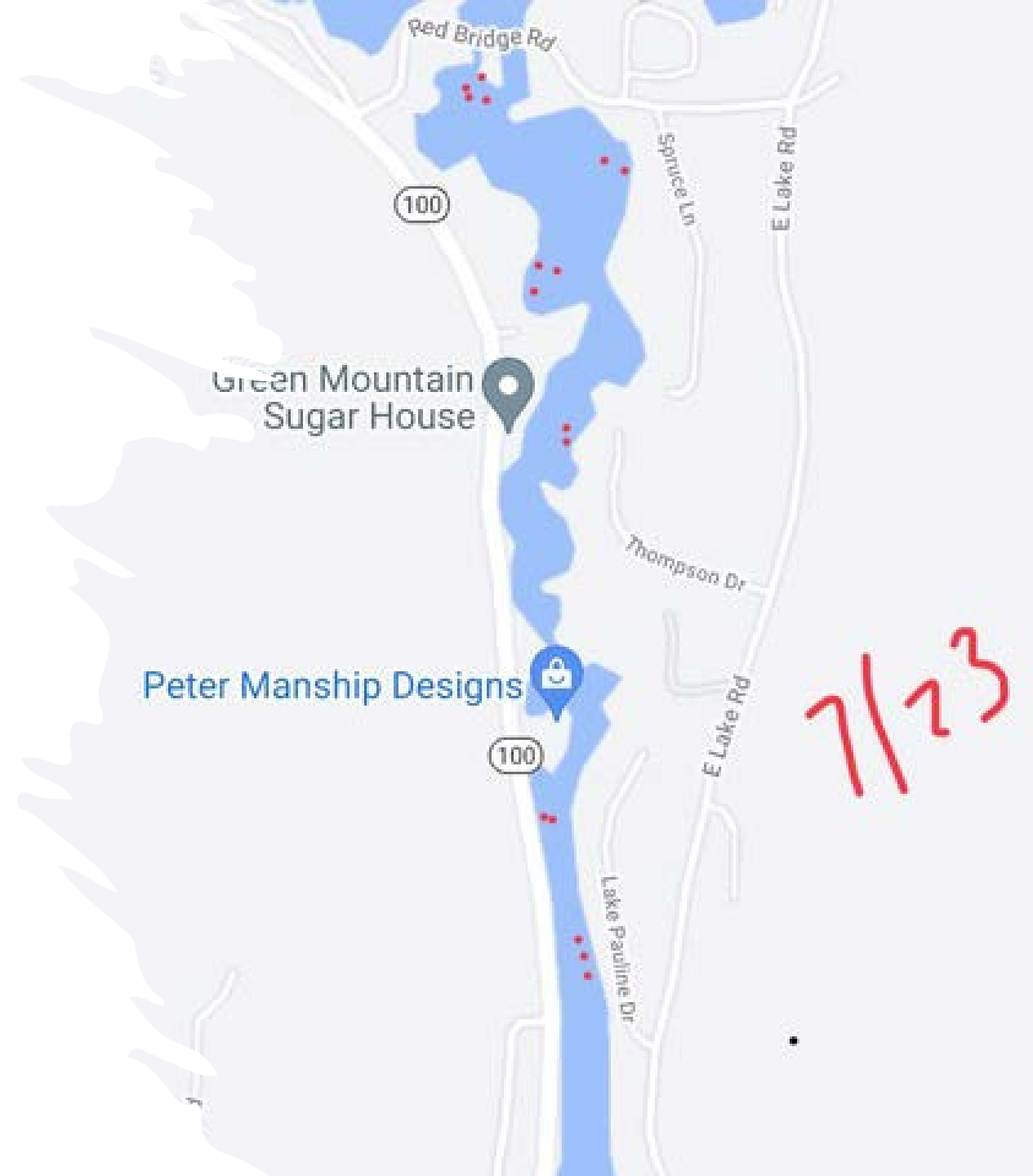




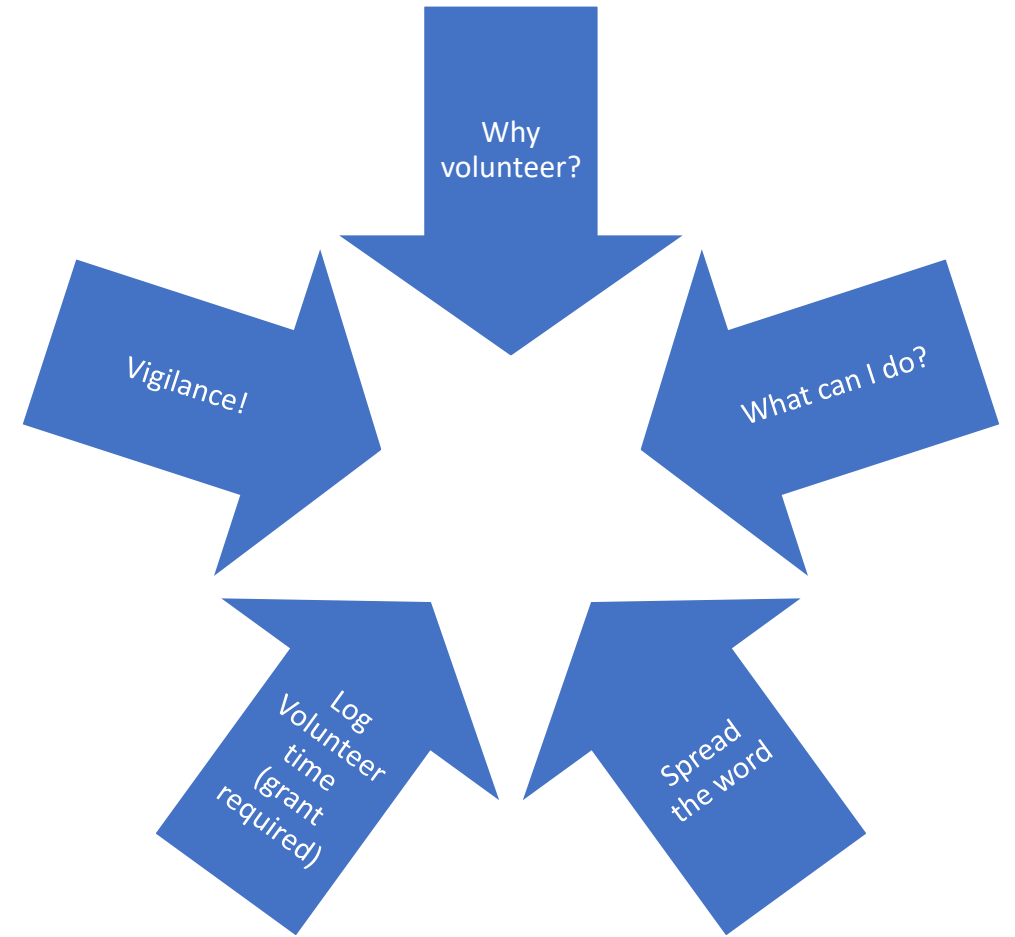


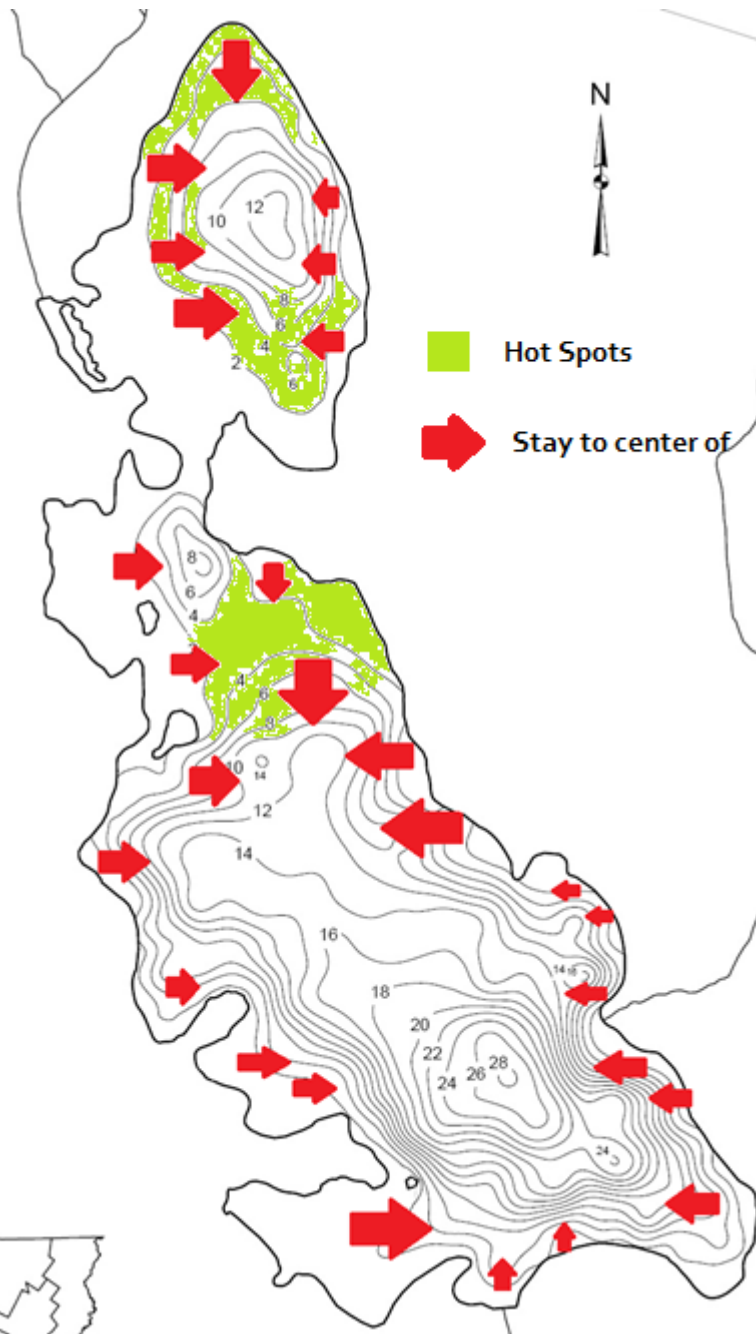
Lake Pauline Milfoil Map, July 2021

- History
- COVID – July 4th weekend
- Action Committee
- Milfoil Hunters
- Map Review
- Communication
- On-going surveillance



Milfoil Volunteers





WHAT YOU CAN DO WHILE recreational boating, water skiing, tubing wake-boarding...

Boat props shred plants → floating fragments

Every fragment can produce multiple plants

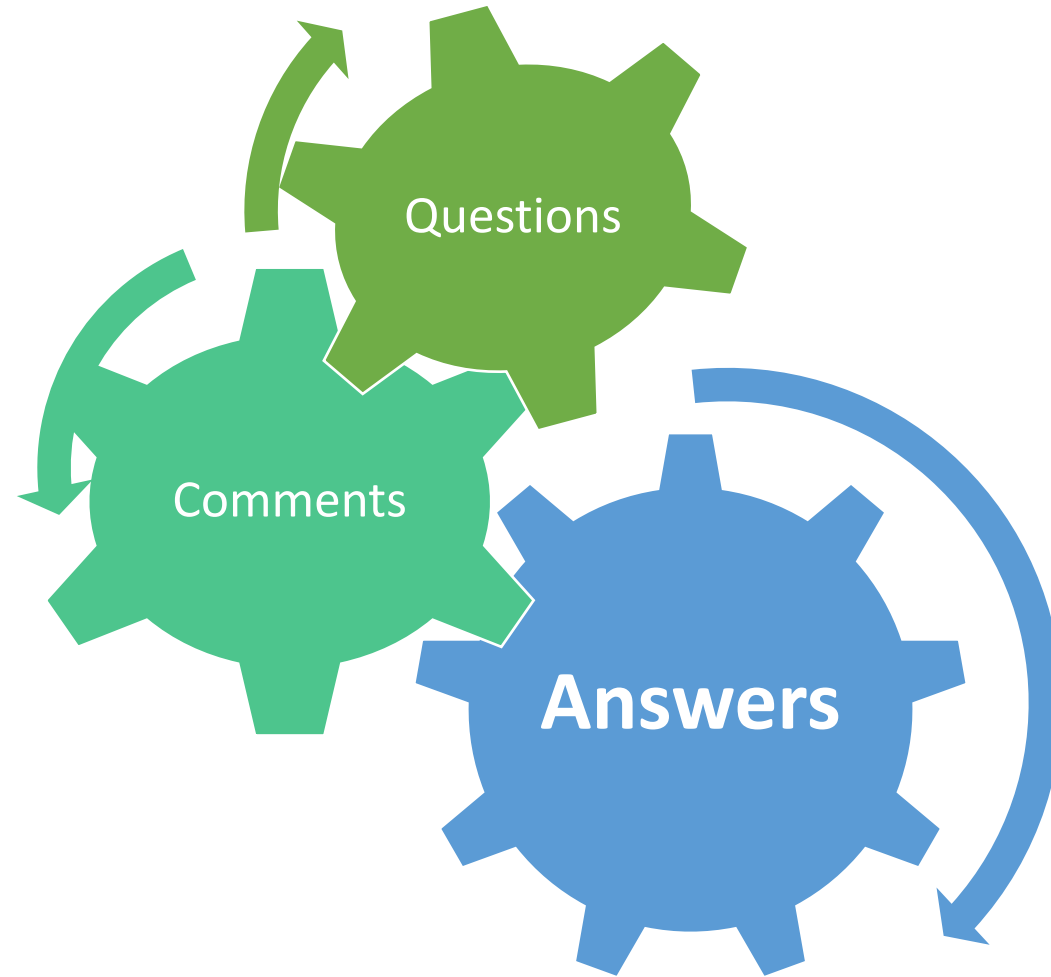
Remove floating fragments and dispose on land

Avoid boating in shallow areas: Keep props up

Do your best to stay inside of red arrows

Moving Forward

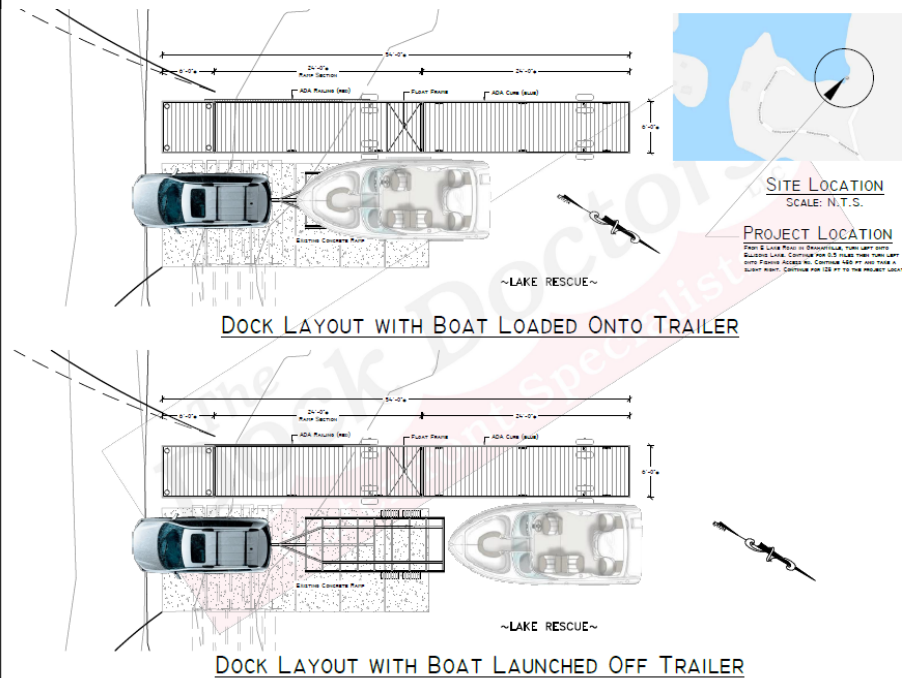
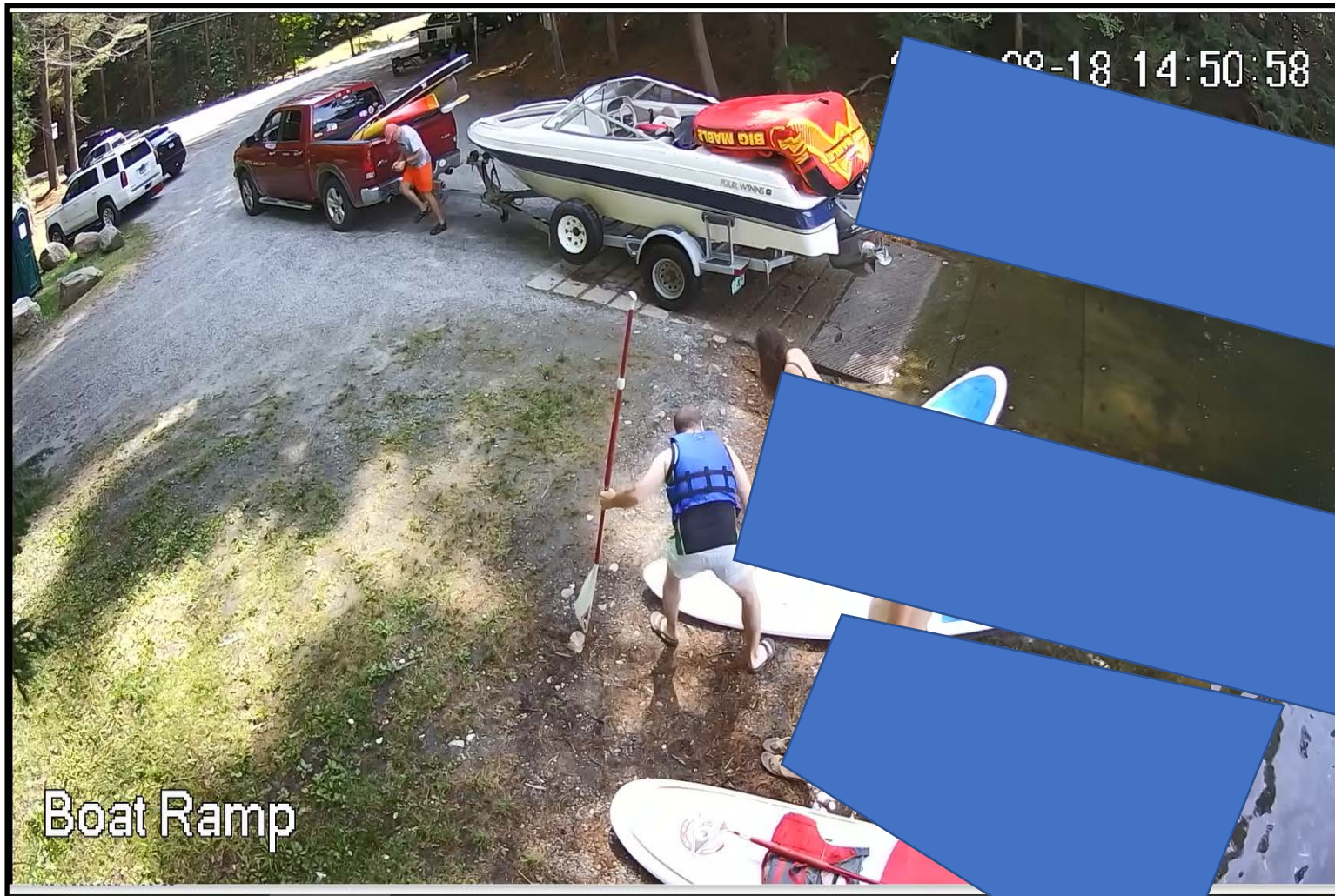
- Continue barrier strategy
 - Barriers kill milfoil in approximately 4 weeks
 - Opportunity to **relocate barriers** after 8 weeks
 - Relocation strategy could double the yearly impact (up to 96 milfoil locations)
- Diver harvesting
 - LRA plans to continue 3 harvesting visits per week – 2 with DASH boat, 1 hand pulling
- Resident harvesting
 - Vermont allows shallow water weed removal
 - Remove **ONLY** using proper technique
 - Board will provide guidance on technique to safely remove plants from shallows
- Continual reevaluation
 - Board is committed to reevaluating and alter course as necessary



State Dock Update

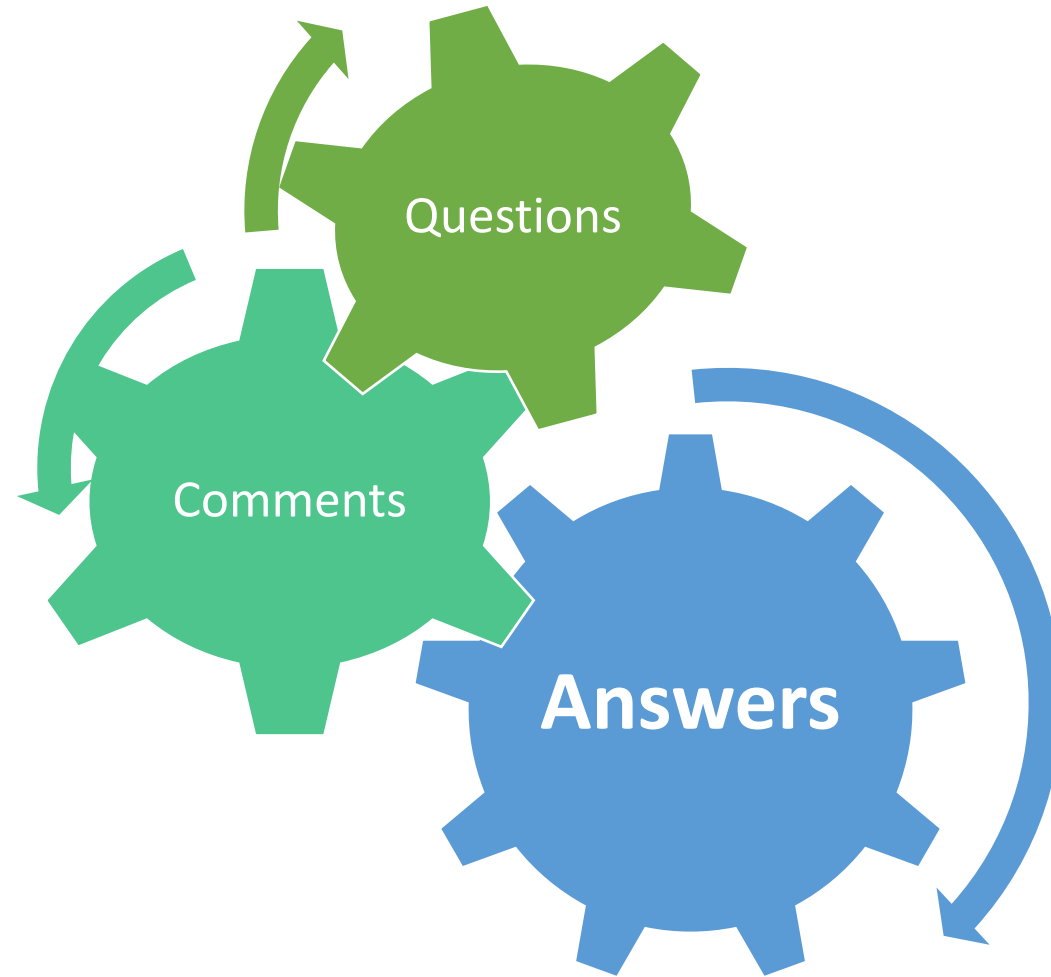
- Quick review
- Current status
 - Court rulings dormant until June 2021; now actively preparing for trial
 - Judge site visit August 18
 - Preparing for Environmental Court hearing this fall, likely November
- Costs
 - to date, are on budget to spend ~ \$20,000 net total through trial, approved last year, which includes realized and projected donation offsets
- Next steps
 - follow through to trial
 - outcome uncertain

Figure D.37



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
- <https://lakerescue.org/boating/>
- Role of the LRA
- Responsibility as a lake community member
- Reporting inappropriate activity/violations:
 - state police (802.773.9101)
 - Game Warden, Tim Carey (802.793.2776)



Other/New Business

Mary Rita Batesole Scholarship Fund

- 3rd year, Rosalee Saccardo, Green Mountain Union HS, President of Environmental Club
- Will attend Roger Williams University studying Environmental Science
- Committee: Michele Zanca, Natalie Fisher, Ann Rose, Barb Silver

Other

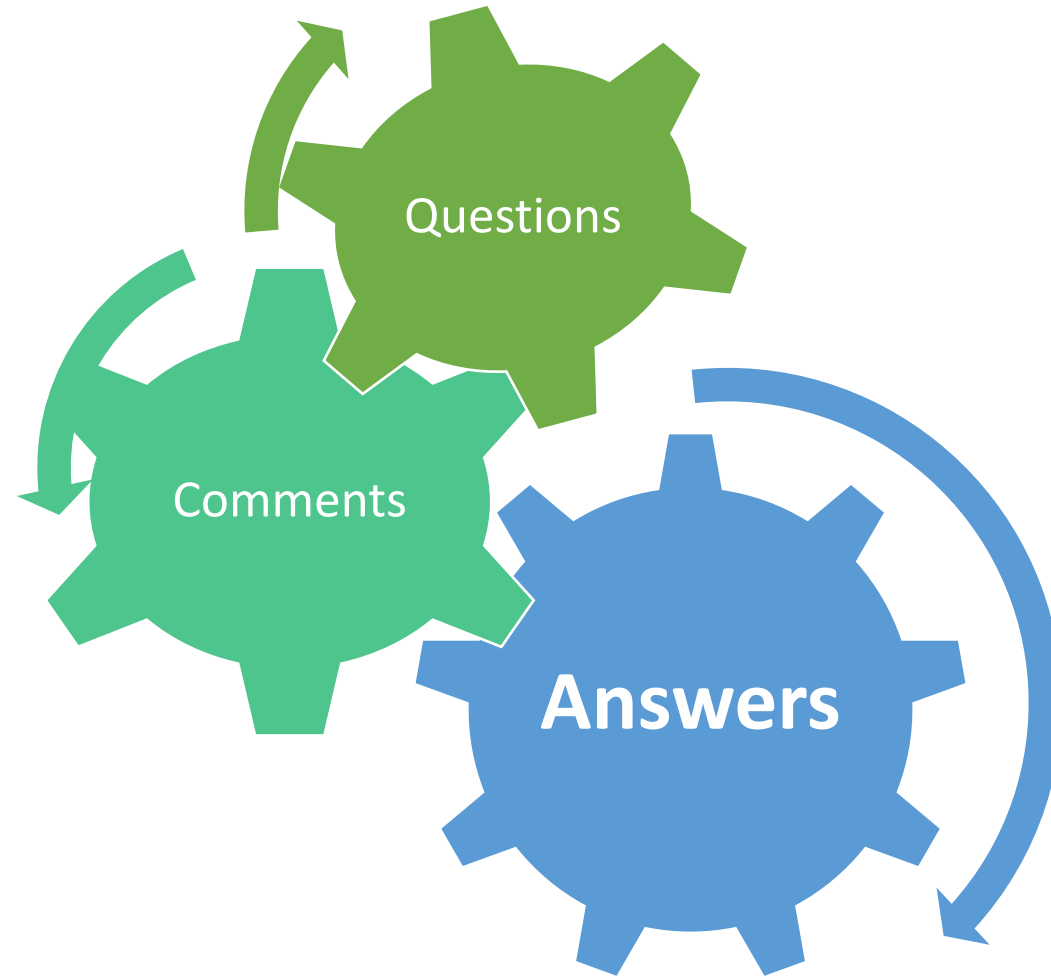
Board Elections



Frank Wingate

- Frank & Ann retired to Lake Rescue 1997
- Inherited grandparents/parents 1905 home in Archibald Cove
- LRA board: 1997 – 2021 (24 years)
- 8 years Vice President; 6 years President
- 1998 milfoil discovered – wrote state grant 23 years
- Hired Chris Sheldon diver 2000-2004; suction harvesting 2004 demonstration project
- Handed baton to Bill Vanneman 2-3 years ago – great mentoring!
- *THANK YOU, FRANK, FOR ALL YOU DO*







Thank you for your support!

LakeRescueAssn@gmail.com

www.LakeRescue.org