



LAKE RESCUE

A S S O C I A T I O N

EST. 1933 | LUDLOW, VERMONT

87th Annual Meeting

August 1, 2020

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)*



Agenda

1. Welcome and Introductions
2. Treasurer's Report
3. Dredging Project
4. Sediment Initiatives
5. Town Manager's Remarks
6. Milfoil Report
7. Membership Report
8. State Dock
9. Other/New Business

Treasurer's Report

Balance Sheet

July 1, 2019 –
June 30, 2020

	TOTAL
ASSETS	
Current Assets	
Bank Accounts	
13 month cd enrolled 7/26/2018	20,600.10
3 Year CD - Lake Restoration #2510	29,333.38
Berkshire CD 11/19 x1945	11,515.52
CD Berkshire 13 mo	30,708.24
General Checking	12,970.49
Heritage CD 37mo	0.00
Heritage Savings	0.00
Money Market Account	28,317.26
PayPal Bank	24.15
Total Bank Accounts	\$133,469.14
Other Current Assets	
Undeposited Funds	0.00
Total Other Current Assets	\$0.00
Total Current Assets	\$133,469.14
TOTAL ASSETS	\$133,469.14
LIABILITIES AND EQUITY	
Liabilities	
Total Liabilities	
Equity	
Retained Earnings (Net Assets as of end of last fiscal year)	141,986.47
Net Income	-8,517.33
Total Equity	\$133,469.14
TOTAL LIABILITIES AND EQUITY	\$133,469.14

Treasurer's Report

Profit & Loss

July 1, 2019 –
June 30, 2020

	TOTAL
Income	
Donations Received	25,137.57
Government Grants	0.00
Milfoil Grant Income	3,699.00
Total Government Grants	3,699.00
Interest Income	968.47
July 4th Party Income	1,064.00
MaryRita Batesole Scholarship Fund Income	325.00
Membership Dues	5,395.80
Total Income	\$36,589.84
GROSS PROFIT	\$36,589.84
Expenses	
CHARITY	1,000.00
Contract Services	233.18
Legal Fees	14,578.08
Total Contract Services	14,811.26
Operations	0.00
Accounting Fees	552.01
Books, Subscriptions, Reference	1,540.00
Insurance - Liability, D and O	1,887.50
Membership Expense	492.27
Paypal fees	134.57
Total Operations	4,606.35
Special Events Expenses	0.00
July 4th Party Expense	2,520.00
Total Special Events Expenses	2,520.00
Special Program Expenses	0.00
Milfoil Expense	22,169.56
Total Special Program Expenses	22,169.56
Total Expenses	\$45,107.17
NET OPERATING INCOME	\$ -8,517.33
NET INCOME	\$ -8,517.33



Dredging Project



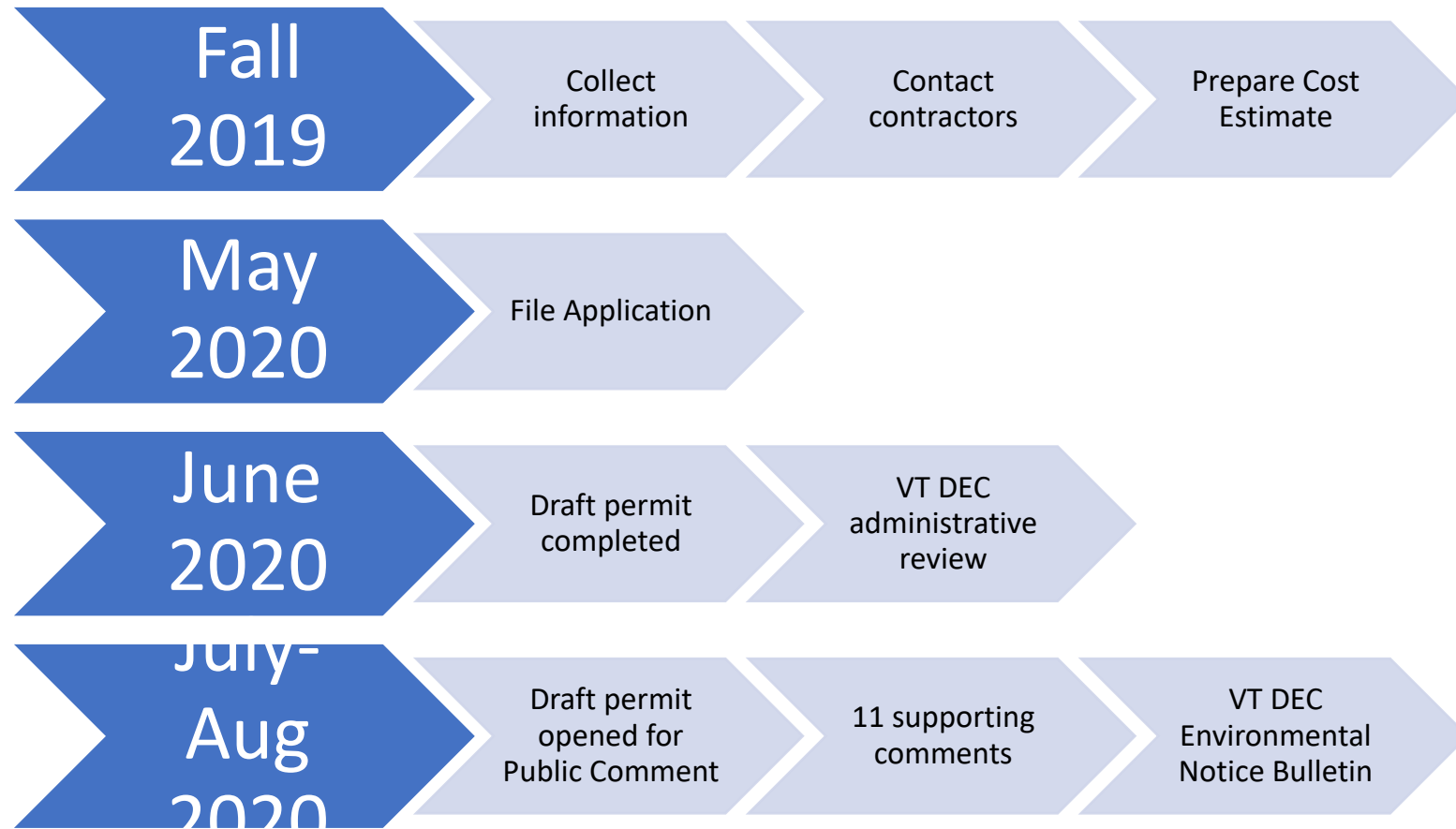
Background

- 2011 - T.S. Irene caused flooding & deposited sediment into Lake Rescue
- 2013 - LRA had Lake dredged to restore navigation
- 2018 - Sediment buildup beginning to impair navigation
 - LRA and VT DEC performed bathymetric surveys to affected lake area
 - Confirmed the buildup of sediment
- April 2019 - Spring storm deposits sandbar in the mouth of river

Sandbar Aerial View May 24, 2020



Permitting Process to Date



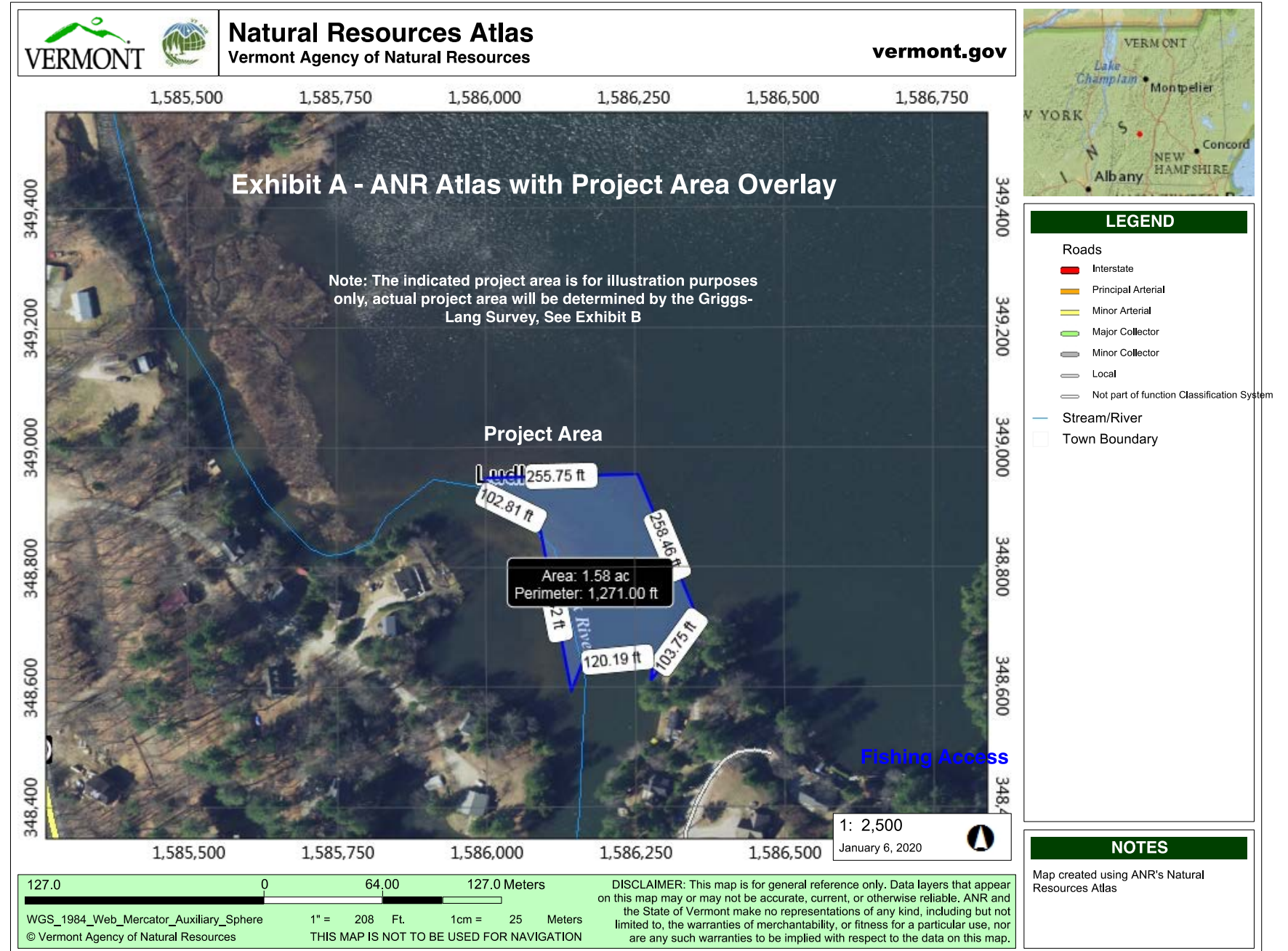
Draft Permit Summary

Permittee: Lake Rescue Association

Co-Permittee: AE Commercial Diving

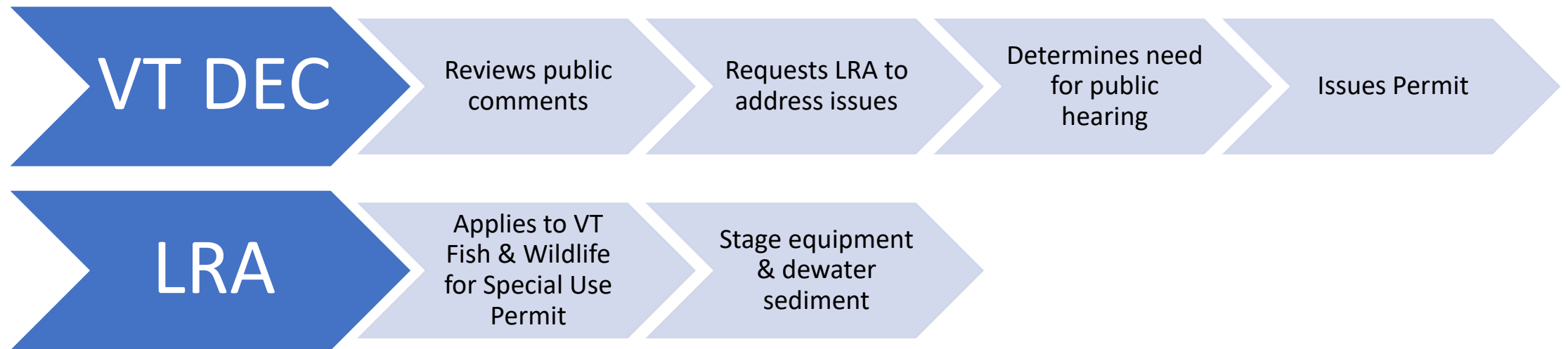
- Permit:
 - one time encroachment
 - expires 5 years from the effective date
- Dredging activities - between Jul 1 and March 15
 - Mouth of the Black River and into the Narrows
 - Remove approx. 1,980 cubic yards - 1.58 acres
 - Restore lake bottom to minimum depth of 3 to 4 feet
- Estimated cost \$125,000
- Effects on navigation, recreational use, aquatic and shoreline vegetation, fish and wildlife are expected to be temporary and limited to the project area

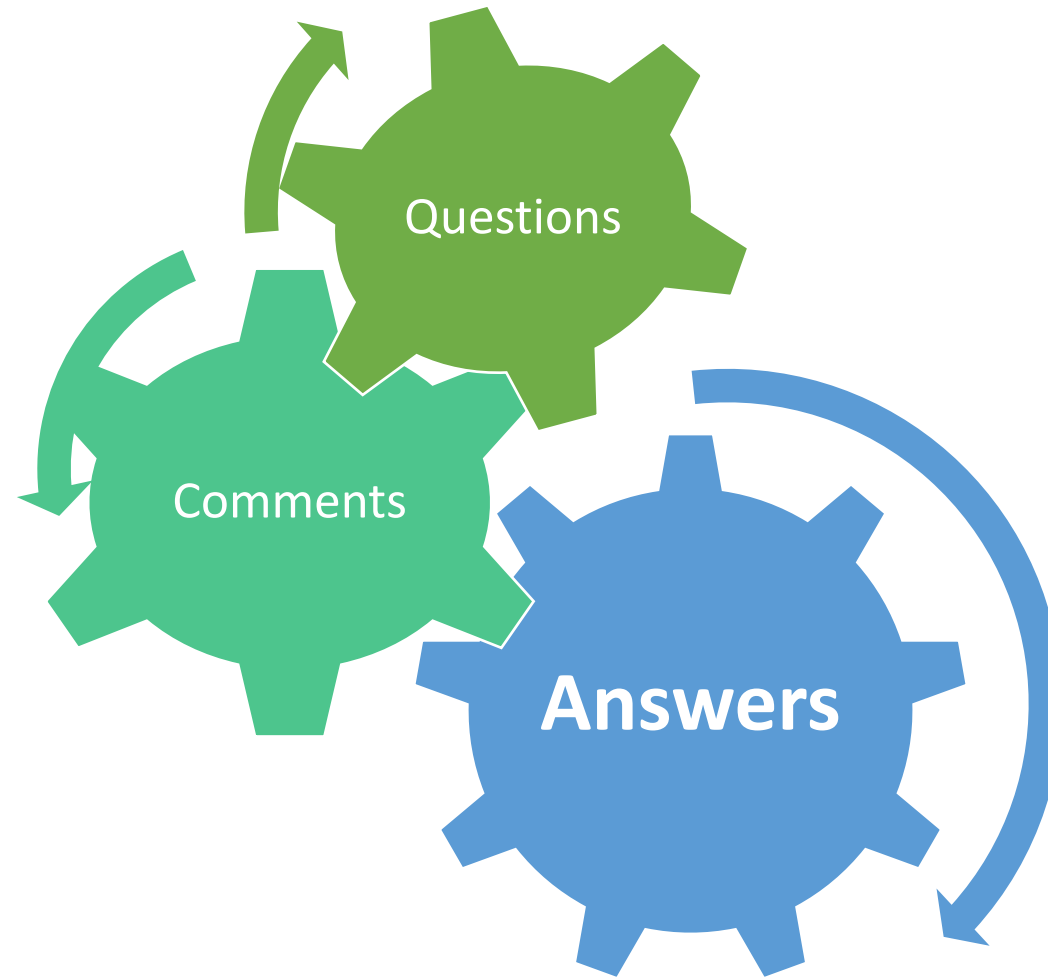
ANR Atlas with Project Area Overlay





Permitting Process – Next Steps





LRA Initiatives

- Catch basins at East Lake and Ellisons Lake Rd
- Roadway drainage issues around the lakes
 - Stream crossing East Lake Road south of Archibald Lane
 - Tepper Drive and Scott's Landing roads
- Ludlow Stormwater Master Plan



Catch Basins at East Lake and Ellisons Lake Rd

- Ludlow Officials request permit to clean out catch basins
- VT River Management denied request
 - 2012 - Initial project did not meet Stream Alteration Standards
 - 2013 - Army Corp of Engineers and ANR considered repairs to restore stream bed, but scope of damage delayed restoration
 - River management observed stream sediment is dirt from roadway and driveways
- VT River Management recommends (Sjensen email 5/29/20)
 - Steps should be taken to minimize road and driveway erosion
 - Better Roads grant program can help achieve goals

Stream crossing East Lake Road south of Archibald Lane

- 10/19/19 email to Ludlow of potential problems
- S. Murphy (Ludlow), worked with A. May (Better Roads Program) and C. Yurek (RPC) regarding eligibility of project
- Coordination of certain property owners
- Ludlow applied for Better Roads Grant December 13, 2019
 - Upgrade culvert
 - Reshaping swale and stone lining for stream
- Grants normally granted in May are delayed due to Covid

Tepper Drive and Scott's Landing

- 10/19/19 email to Ludlow of potential problems
- Determined not to be a Better Roads Grant candidate
- Private homeowners on Tepper Drive and Scott's Landing cleared ditches and culverts
- Likely a recurring situation until a permanent solution implemented

Ludlow Stormwater Masterplan (SWMP)

- SWCRPC & town of Ludlow engaged Fitzgerald Environmental Associates in collaboration with Dufresne Group
- Kickoff meeting June 29th - began data collection phase
- LRA provided accumulated data from 2012 concerning stormwater concerns
- August 2020 – LRA will participate in site visit of Lakes Rescue and Pauline to review problem areas



Town Manager's Remarks

Welcome Scott Murphy



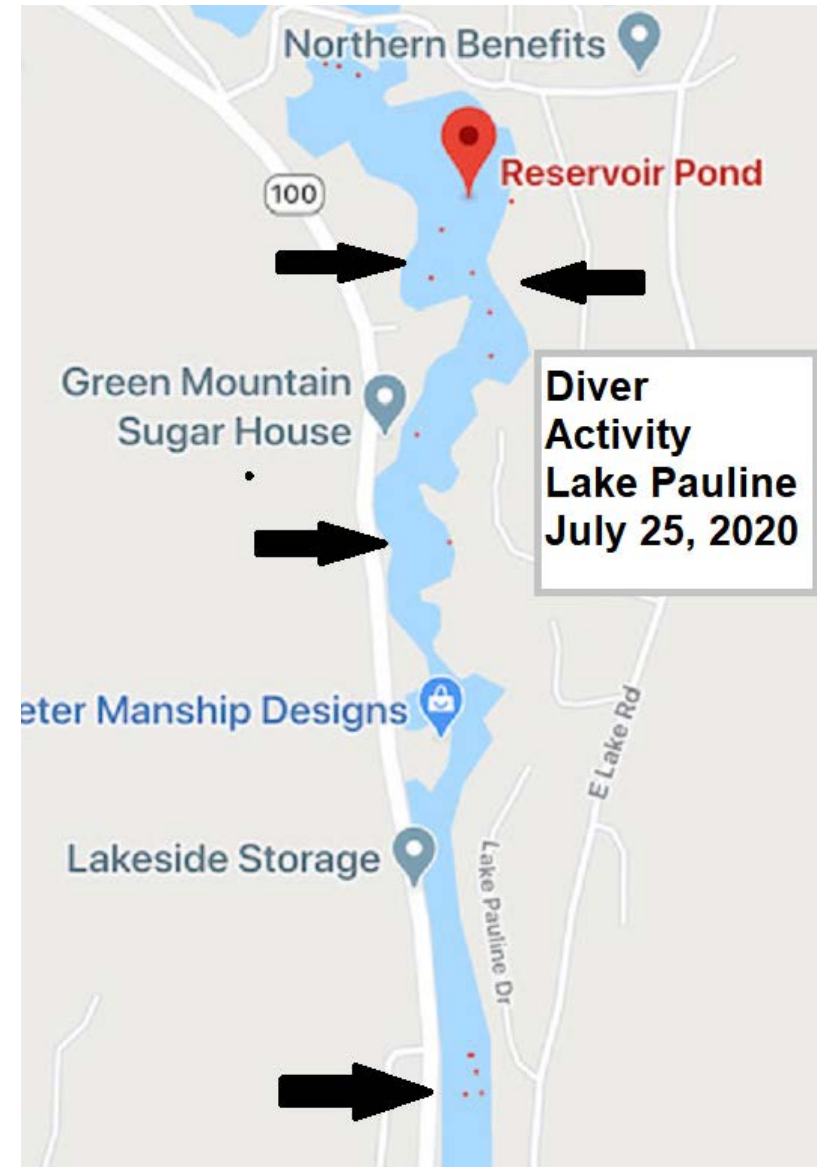
Milfoil

1. Overview (incidence, costs)
2. Remediation efforts
3. Alternatives under consideration
4. Moving forward



Overview

- Net seasonal expenditures for control/removal: \$34,000
- Divers harvest Milfoil 3 days a week
(2 days/week last year)
- Bottom barriers increased from 12 to 24 to 48
- Divers harvest on Lake Pauline
- Publicity campaign
 - Hand delivered brochure to lake homes & businesses
 - Website & social media updates
 - Signage, word of mouth, boat launch greeters



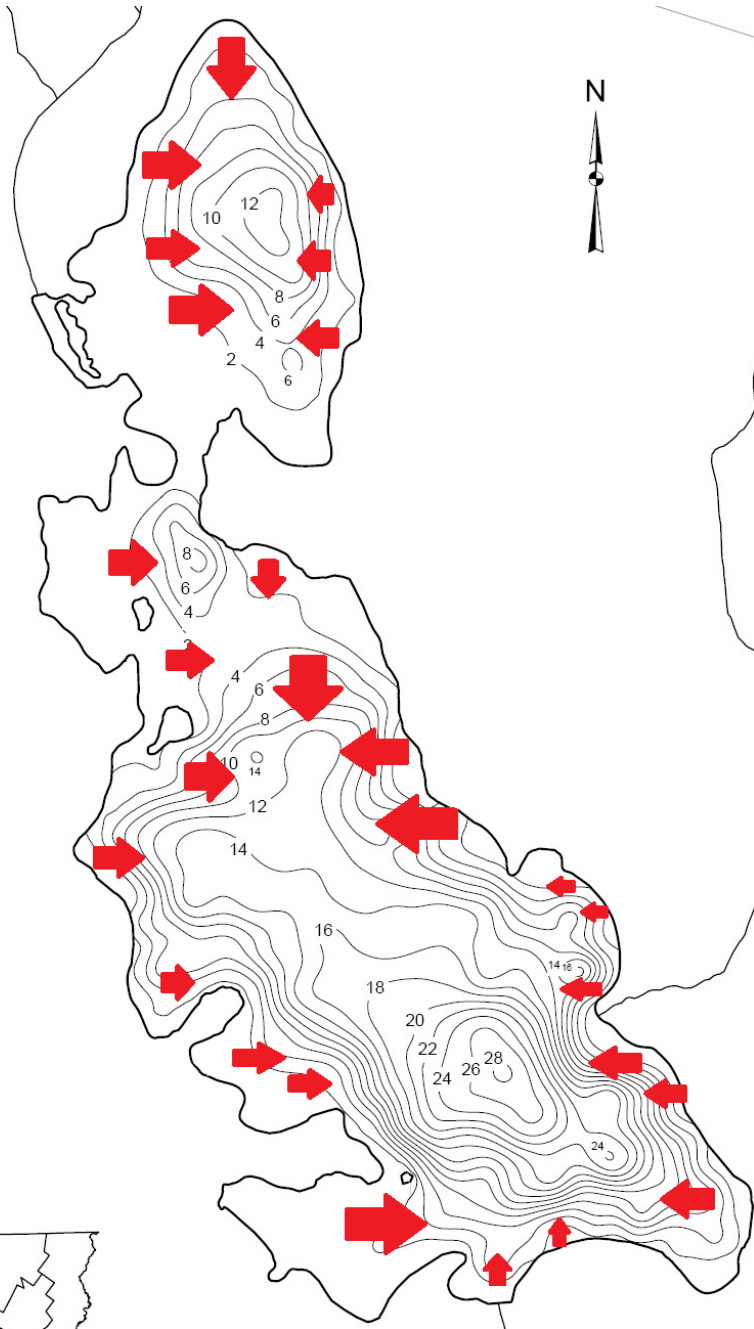
Lake Pauline harvesting yield 1.5 gallons of Eurasian Milfoil

Approximate placement
of additional bottom
barriers, subject to
divers' assessment



Additional treatment considerations

- Weed eating weevils
 - proven ineffective for milfoil remediation
- Grass Carp
 - an invasive species illegal in Vermont.
- Suction harvesting and diver-assisted suction-harvesting
 - Milfoil returns the next season
 - LRA is permitted for this option through 2025
- Herbicide Treatment
 - Proven effective and legal with application to State of Vermont
 - Current LRA position - chemical usage will be a last resort



**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

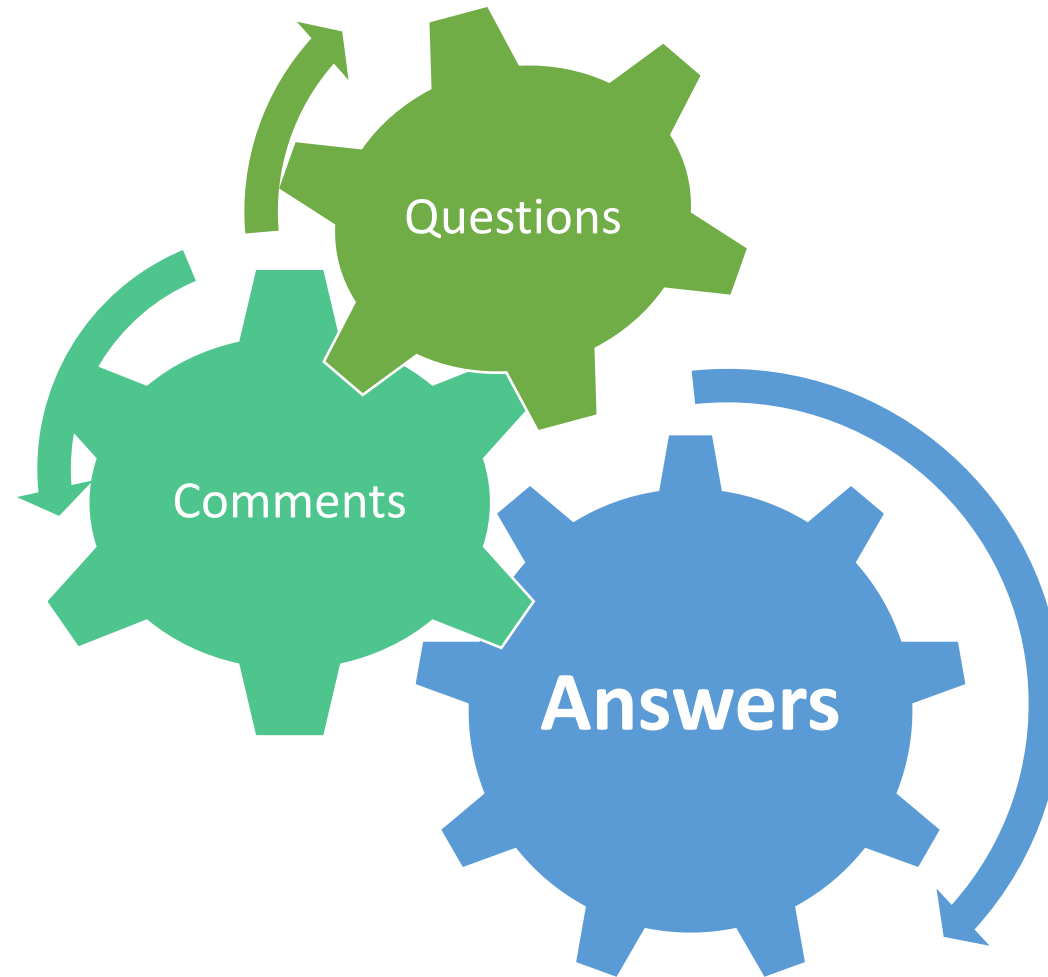
Do your best to stay inside of red arrows

Moving Forward

- Continue barrier strategy
 - Barriers kill milfoil in approximately 4 weeks
 - Opportunity to **relocate barriers** after 4 weeks
 - Relocation strategy could double the yearly impact (up to 96 milfoil locations)
- Diver harvesting
 - LRA plans to continue 3 harvesting visits per week
 - Costs and availability of qualified divers are constraints on expanding

Moving Forward...continued

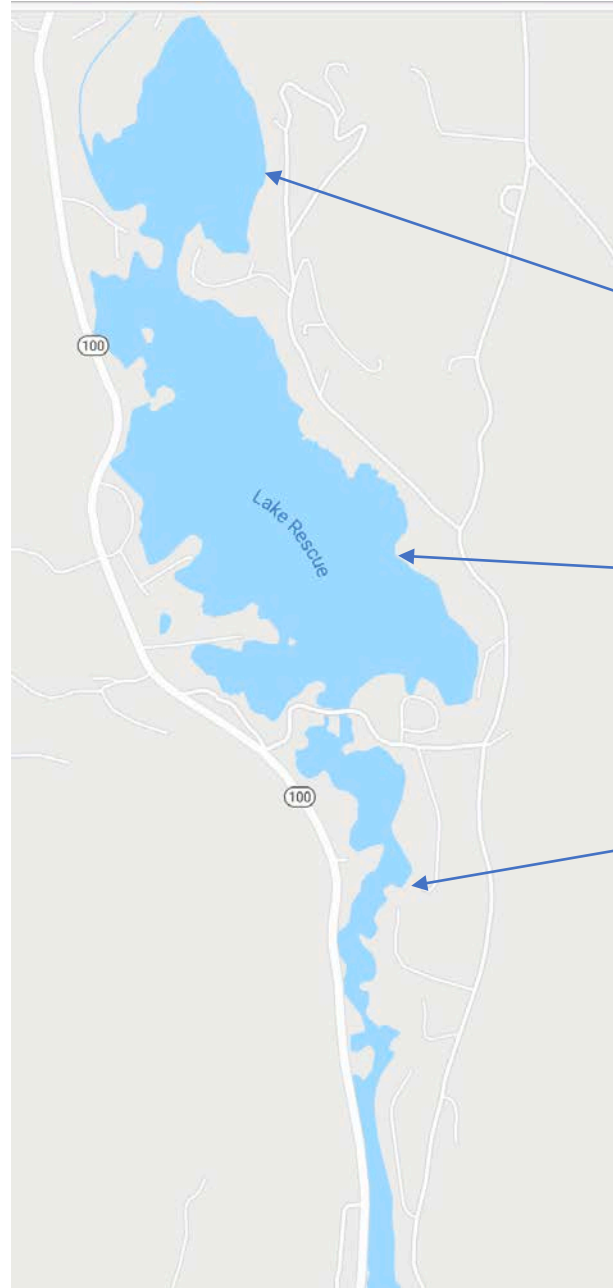
- Chemical treatment
 - Research Pros and cons
 - Types and costs in addition to health and safety
 - Whole vs partial lake treatments
- Resident harvesting
 - Current best practice: “Don’t remove plants” (can spread)
 - Vermont allows shallow water weed removal
 - Board may provide guidance on technique to safely remove plants from shallows
- Continual reevaluation
 - Board is committed to reevaluating and alter course as necessary



Membership

TOTAL Membership = 146

- Associate 2
- Full 94
- Additional 50



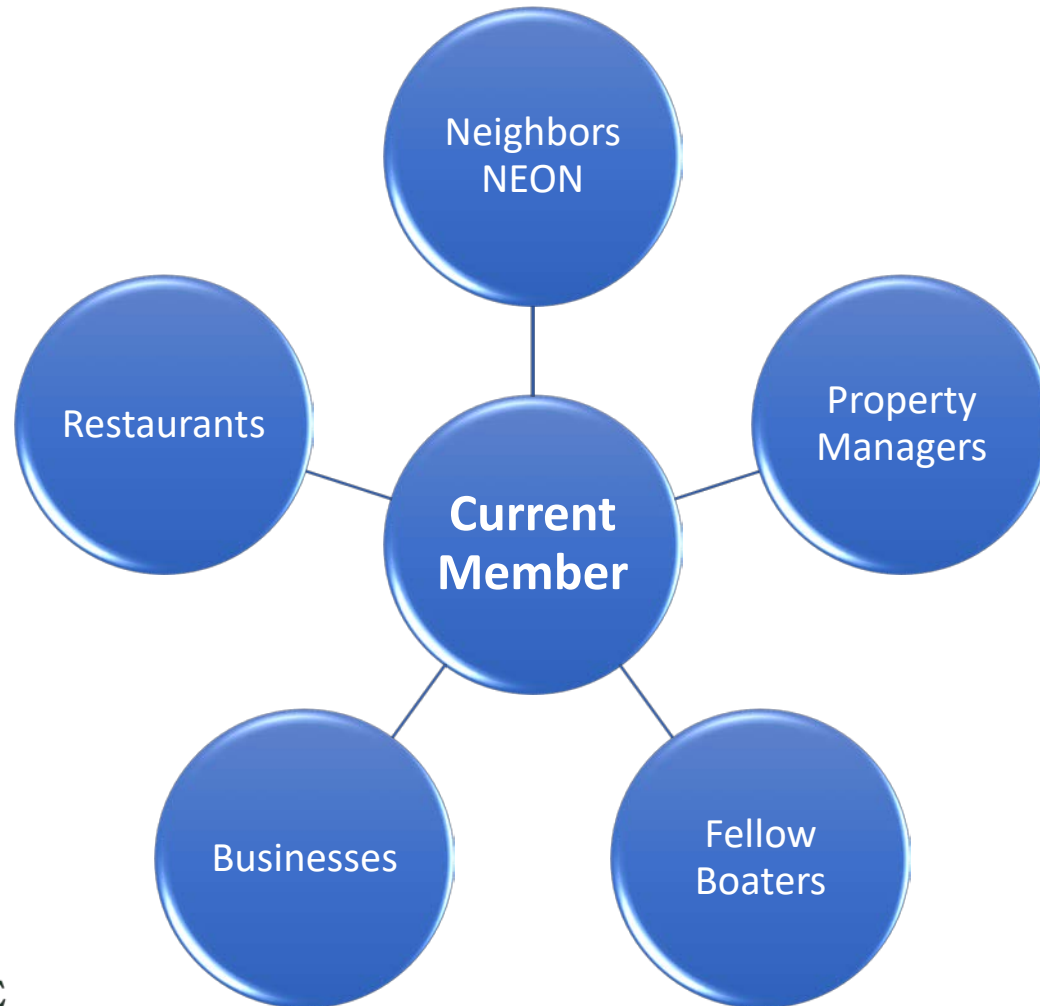
Round Pond 18

Rescue 51

Pauline 19

Unaffiliated Lake
property 8

Recruiting New Members



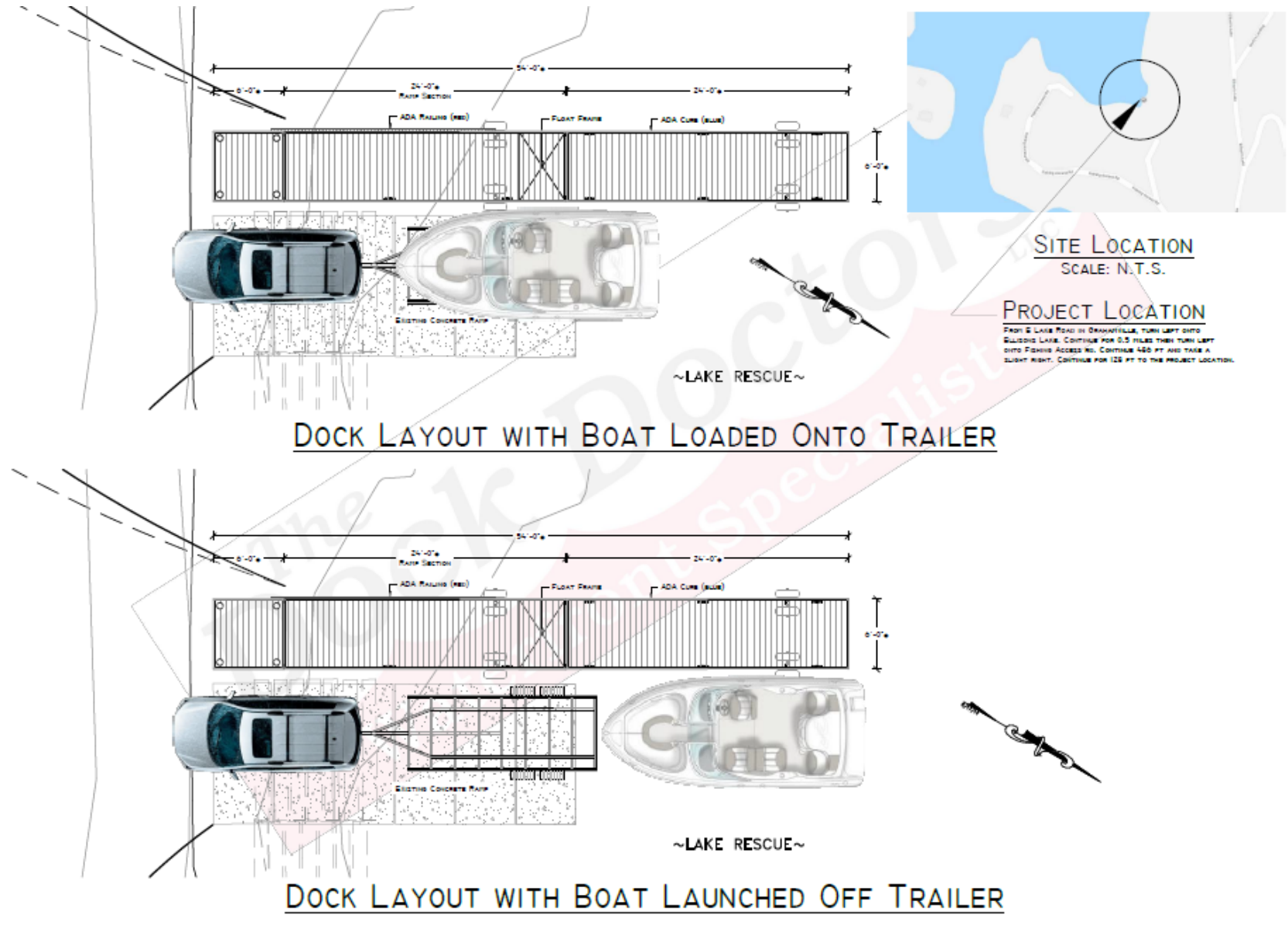
after Aug 1
Join LRA online

www.LakeRescue.org



State Dock

- Review
- Current status
- Costs
- Member Survey



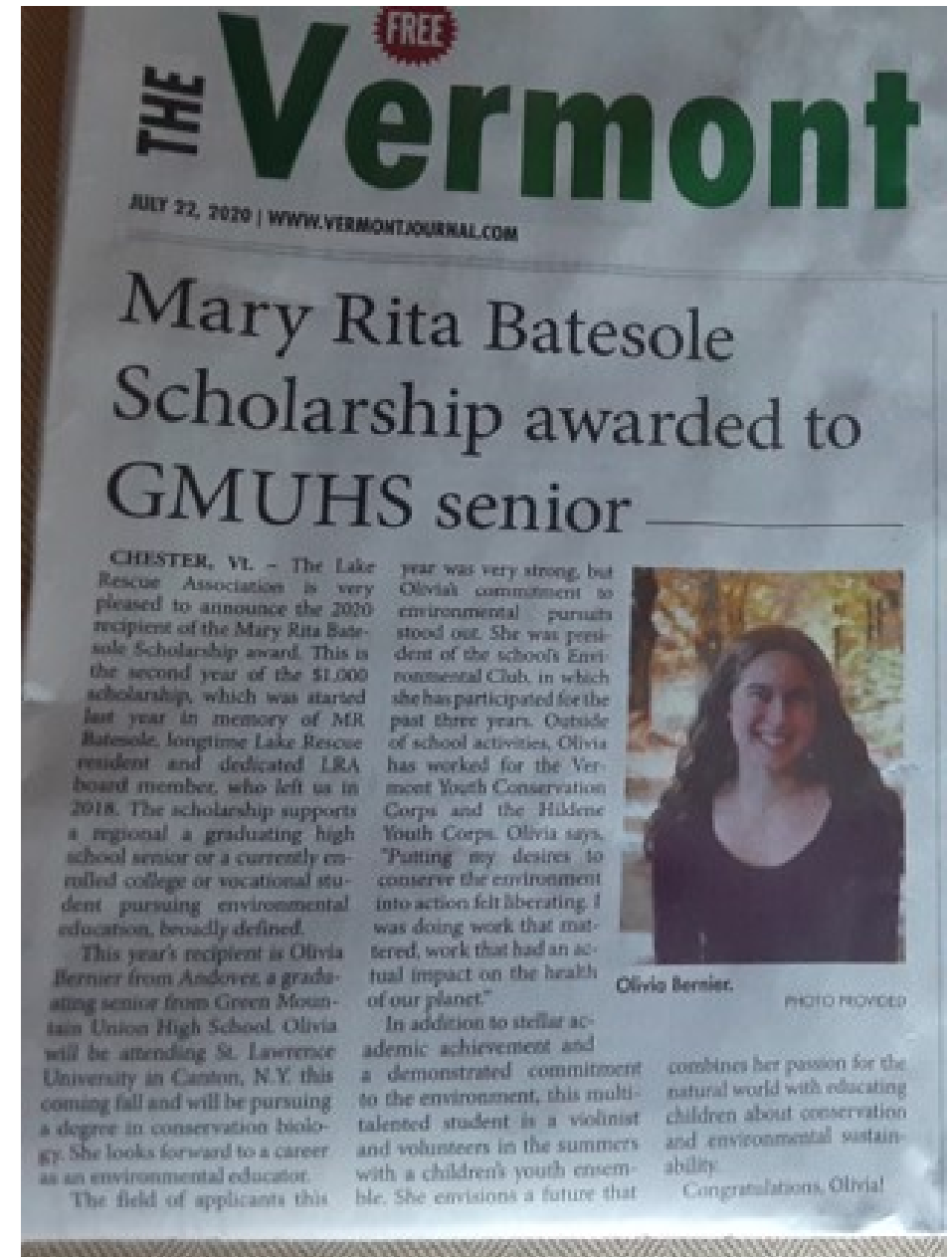
Action /Description	Comments/Determination	Date
The Vermont Department of Fish and wildlife (DFW) applied for a permit (#2536-LEP) to install a 48-foot dock at Fishing Access boat ramp. A public notice was posted from February 16 -April 4, 2018 asking for public comments.	Interested parties submitted comments to the state ENB website. 17 pages of comments were made. All of the comments were opposed to the dock installation as proposed.	February – April 4, 2018
Public meeting Ludlow public library	Approximately 30 people attended meeting. All of the public comments were opposed to the dock installation.	March 28, 2018
Commissioner's decision to grant permit to Fish and Wildlife Service	Notwithstanding public comments against the installation the Commissioner issued the permit	
Lake Rescue Association (LRA) files notice of appeal with the environmental court		September 7, 2018
LRA and state agreed to mediation settlement hearing	Mediation was unsuccessful parties cannot agree to a compromise	January 29, 2019
Joint motion for stay and continuance for 11 months	Both sides are to collect evidence to support their case	January 2019 – December 31, 2019
Settlement meeting	Lake Rescue Association proposed a smaller “kayak” dock as a compromise	January 25, 2020

Action /Description	Comments/Determination	Date
State petitions court for summary judgment	State rejects all arguments and alternative suggestions	
State submits permit amendment	Moving dock from west side to east side of boat ramp	February 19, 2020
State approves permit amendment	change considered minor and not needing abutting property owner notification	March 10, 2020
Appellants file Response to VT ANR motion for summary judgment	Appellants file Objection to Motion for Stay (State had requested a Stay to Amend Permit)	March 16, 2020
Appellants file motion to extend	Appellants file motion to extend time due to disclosure of permit amendment	March 28, 2020
Appellants file supplemental response	Appellants file supplemental response to motion for summary judgment	May 12, 2020
DEC files motion for summary judgment	DFW files response to amended statement of questions and motion to vacate. Division of Environmental Conservation files motion for summary judgment	June 15, 2020
Appellants file response to DFW	Appellants file response to DFW, reply regarding supplemental response	July 2, 2020
DFW files memorandum	DFW files memorandum in opposition to appellants response to ANR for summary judgment	July 16, 2020
Awaiting environmental court hearing		Presently



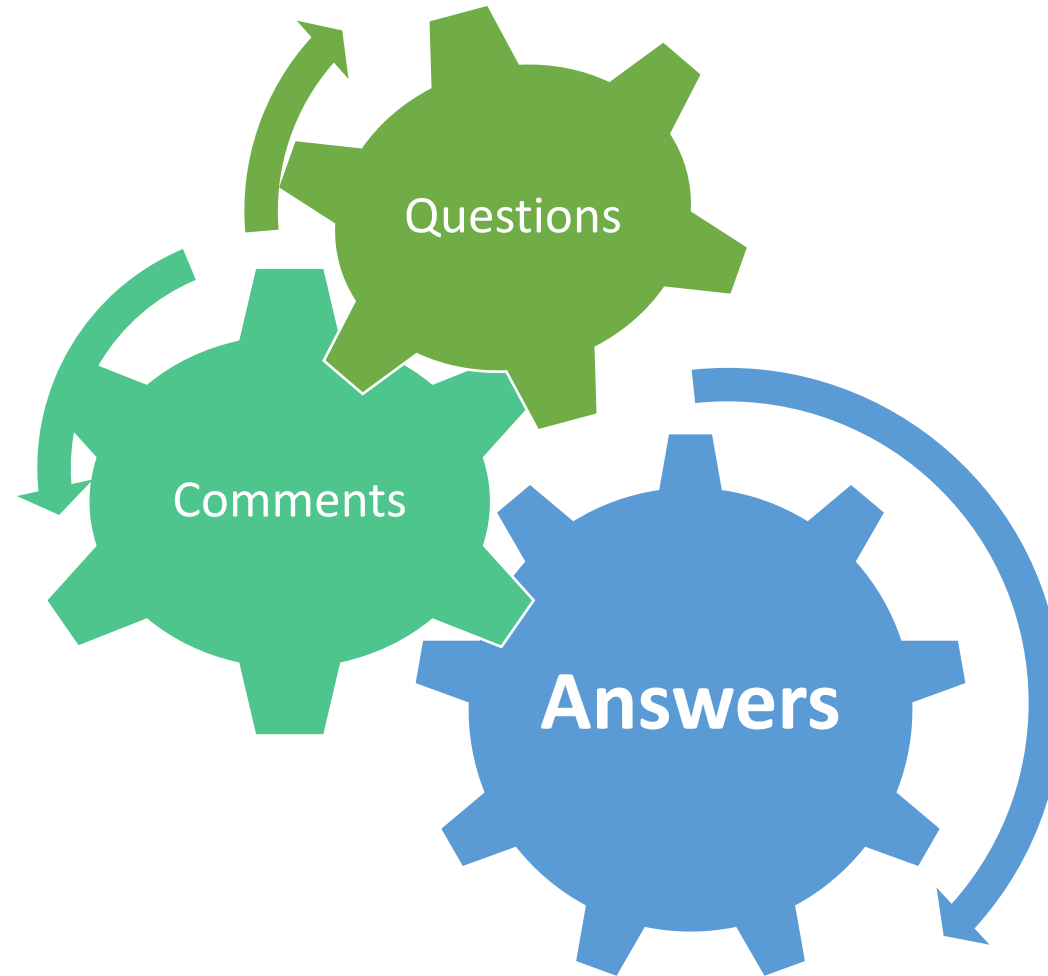
Other/New Business

- MR scholarship
- Beavers, Algae
- Fundraising
- New Business



Fundraising

- Dredging project → \$125,000 +
- Milfoil → \$35,000 +/-
- Major fundraising campaign planned for 2021
- Target donor groups: major donors, general membership, businesses, area residents, state/foundation/grant funding
- Fundraising committee to be formed – LRA volunteers requested
- Meeting (Zoom?) to be announced - September



Thank you for your support!

LakeRescueAssn@gmail.com

www.LakeRescue.org