

PROJECT MANAGER ANNUAL REPORT



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Welcome to Our New Project Coordinator!

Emily Symes

- **Leading Riparian Streambank Assessments** on the Barton & Black Rivers
- **Coordinating subcontractors and implementation** crews on River Restoration and Stormwater Improvement projects
- **Performing outreach & project development** with private landowners throughout the basin



ACTIVE GRANTS & PROJECTS	AMOUNT	CLOSE DATE
Great Lakes Fisheries Commission Riparian Lands (VT FWD)	\$295,000	3/31/2025
✓ Valley Brook Restoration Project Phase 1 (CWSP)	\$142,581	10/31/2024
Valley Brook Restoration Project Phase 2 (CWSP)	\$73,000	12/31/2024
FY2024 Tactical Basin Planning Support (WUV)	\$12,700	7/15/2024
Averill Lake Watershed Action Plan (ECNRCD/DEC)	\$50,000	12/31/2026
Echo-Seymour Lakes Watershed Action Plan (OCNRCD/DEC)	\$31,810	12/31/2024
✓ Willoughby Lake Watershed Action Plan (OCRNCDD/DEC)	\$19,550	4/1/2024
✓ 2 Shadow Lake Shoreland Restoration Implementation Projects (OCNRCD)	\$2,400	8/1/2024
✓ Newport Marina Stormwater Improvements Project (WUV)	\$444,047	10/1/2024
Glover Town Office/Community School Stormwater Design (WUV)	\$11,078.55	10/31/2024
Barton Village Stormwater Design Project (WUV)	\$39,877	10/1/2024
✓ Forested Headwaters Project Development (WUV)	\$7,940	6/30/2024
Crawford Brook Floodplain Restoration & Forest Gully Stabilization Project Design (CWSP)	\$8,200	12/31/2024
Upper Salem Hill Brook Floodplain & Wetland Restoration Project Design (CWSP)	\$18,000	12/31/2024
Mad Brook & Bald Mnt. Brook Forest Road Decommission & Stabilization Project (CWSP)	\$60,000	6/30/2026
Palin Farm Rd Stream & Floodplain Restoration Project Design (OCNRCD/CWSP)	\$10,000	12/31/2024
Scott's Cove Phragmites Control Project (GLFC/VFPR)	\$76,000	6/30/2026
Leahy Capacity Grant (GLFC)	\$126,000	6/30/2026
Leahy Barton Black Rivers Project Development Grant (GLFC)	\$46,000	6/30/2026
Private Foundation	\$15,000	12/31/2025

✓ Farrant St Stormwater Improvement Project



Removing pollutants from:

- 125-acre drainage
- 25 acres of impervious surfaces
- **19.8 lbs of phosphorus reduced a year**
- >1 ton of sediment



✓ Shadow Lake Lakeshore Restoration Projects



Infiltration steps & native bio infiltration garden bed install.



Lakeshore stabilization with pinned logs & native buffer planting.

✓ Valley Brook Restoration Phase 1



- Culvert upgrades & removal
- Floodplain restoration
- Riparian buffer plantings
- Beaver dam analogues
- Wetland restoration
- Strategic wood additions
- Habitat restoration
- Road BMPs & upgrades
- Ditch plugging
- **P Reduction: 28 kg/yr**



Pre-restoration

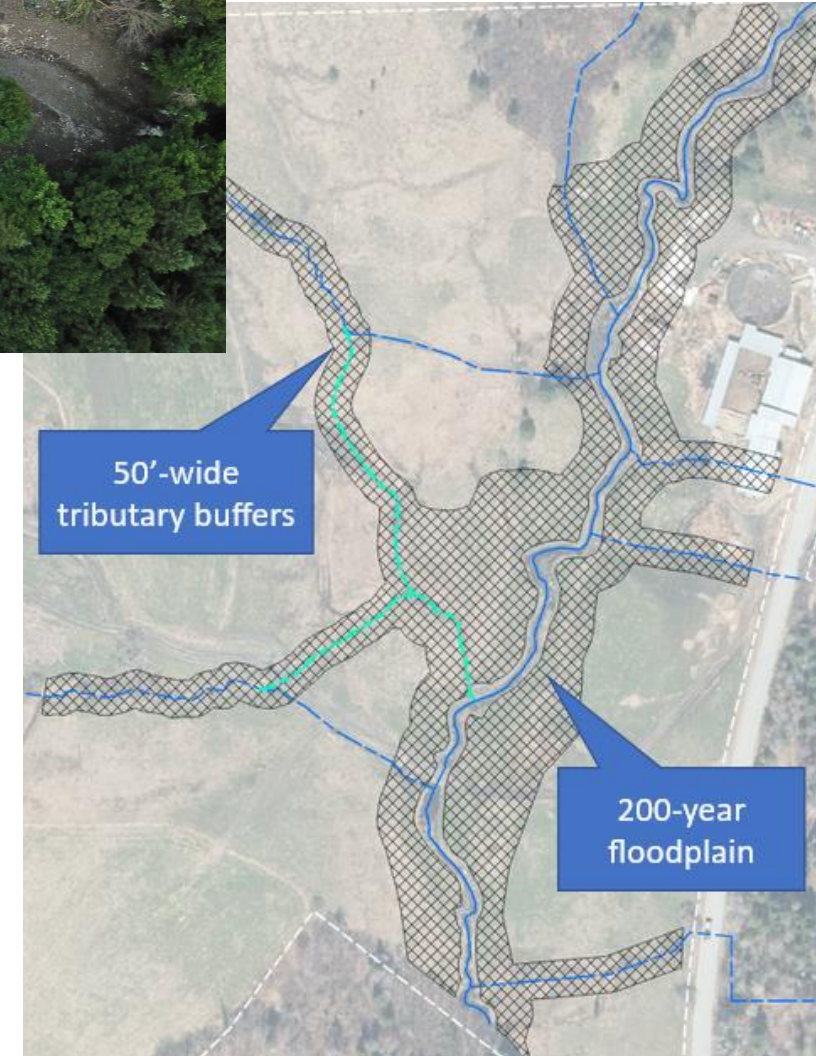


Post-restoration



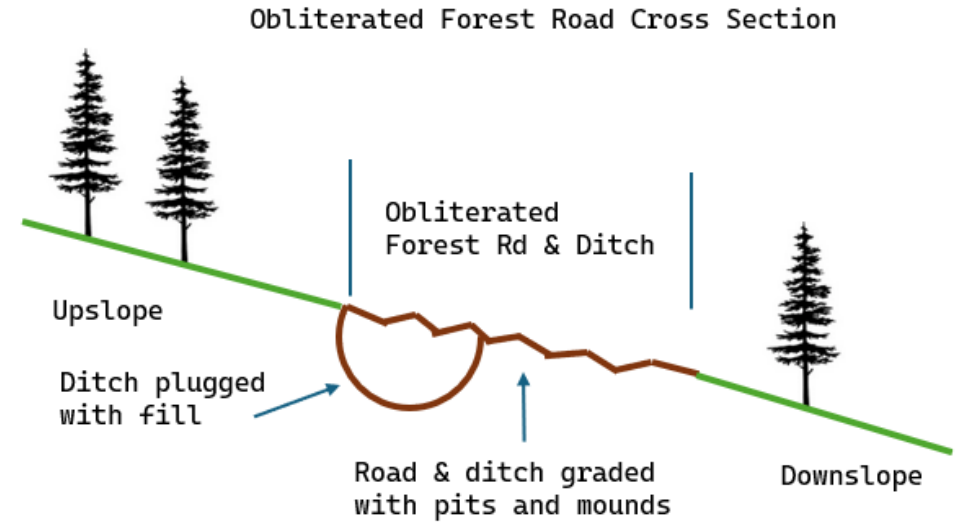
Valley Brook Restoration Phase 2

- Upgrade 4 failing culverts along Valley Brook
- Floodplain buffer planting
- Floodplain restoration – engineered log jams



Mad Brook & Bald Mnt. Brook Forest Road Decommission & Stabilization

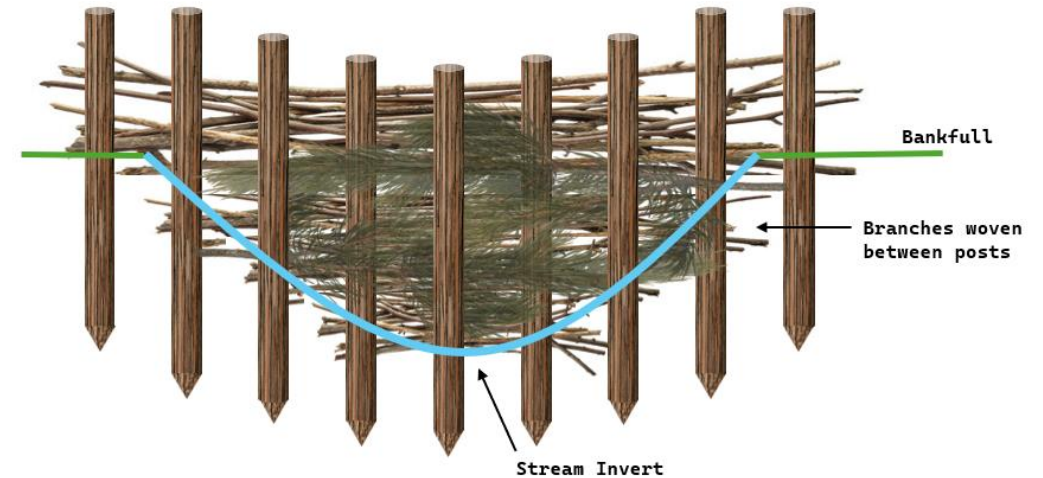
- 700 ft of eroding forest road decommission and obliteration
 - Culvert removal & ditch plug
- 5,800 ft of eroding forest road to stabilize;
 - Ditch & gully stabilization
 - Culvert removal / upgrades



Ex. Valley Brook SMA farm/forest road obliteration

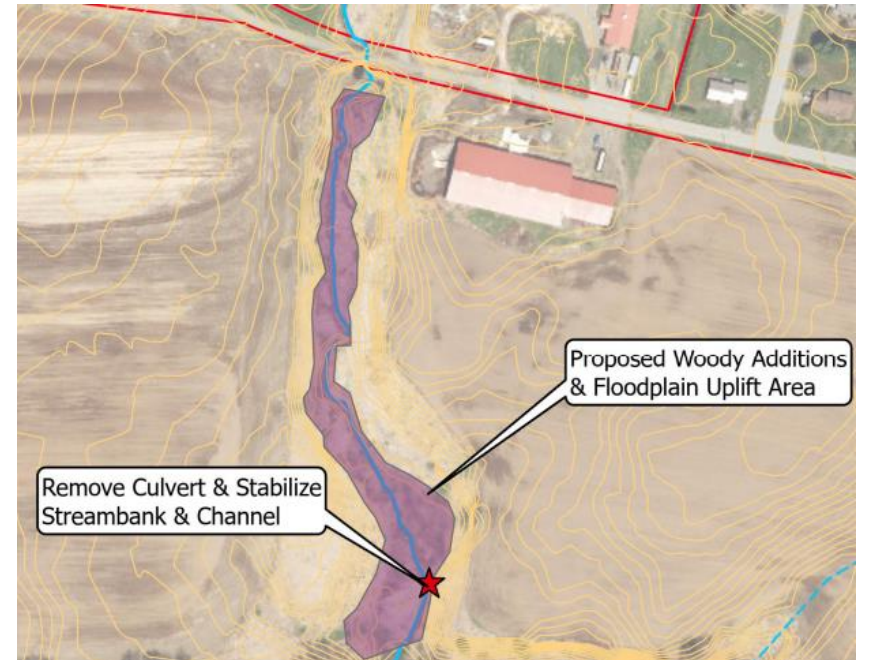
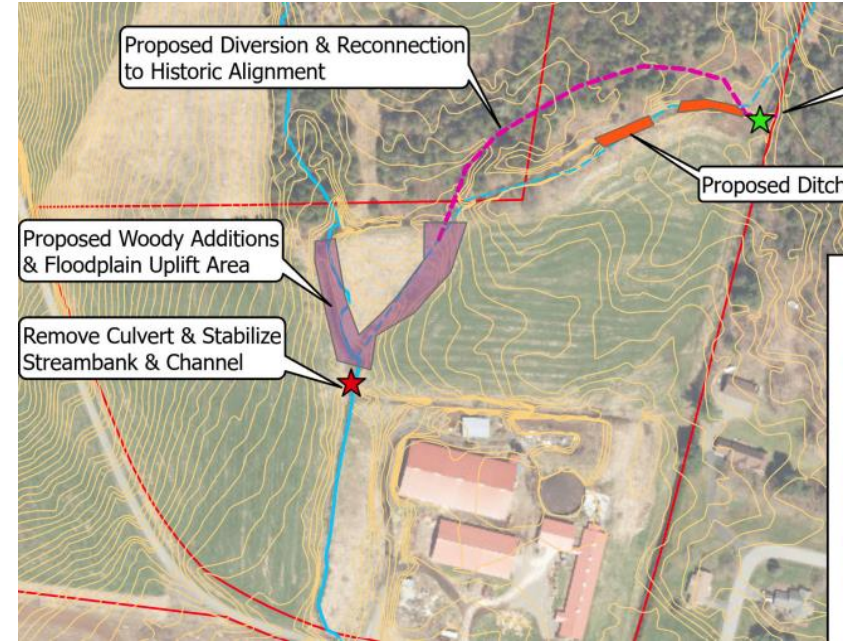
Crawford Brook Floodplain Restoration & Forest Gully Stabilization Design

- Replenish woody structure in a degraded & incised stream
 - Strategic wood additions (SWA)
 - Low-tech process based restoration (LTPBR) e.g. beaver dam analogues (BDAs)
- Stabilize a forest gully to arrest erosion & sediment inputs
 - Woody check dams & slashing



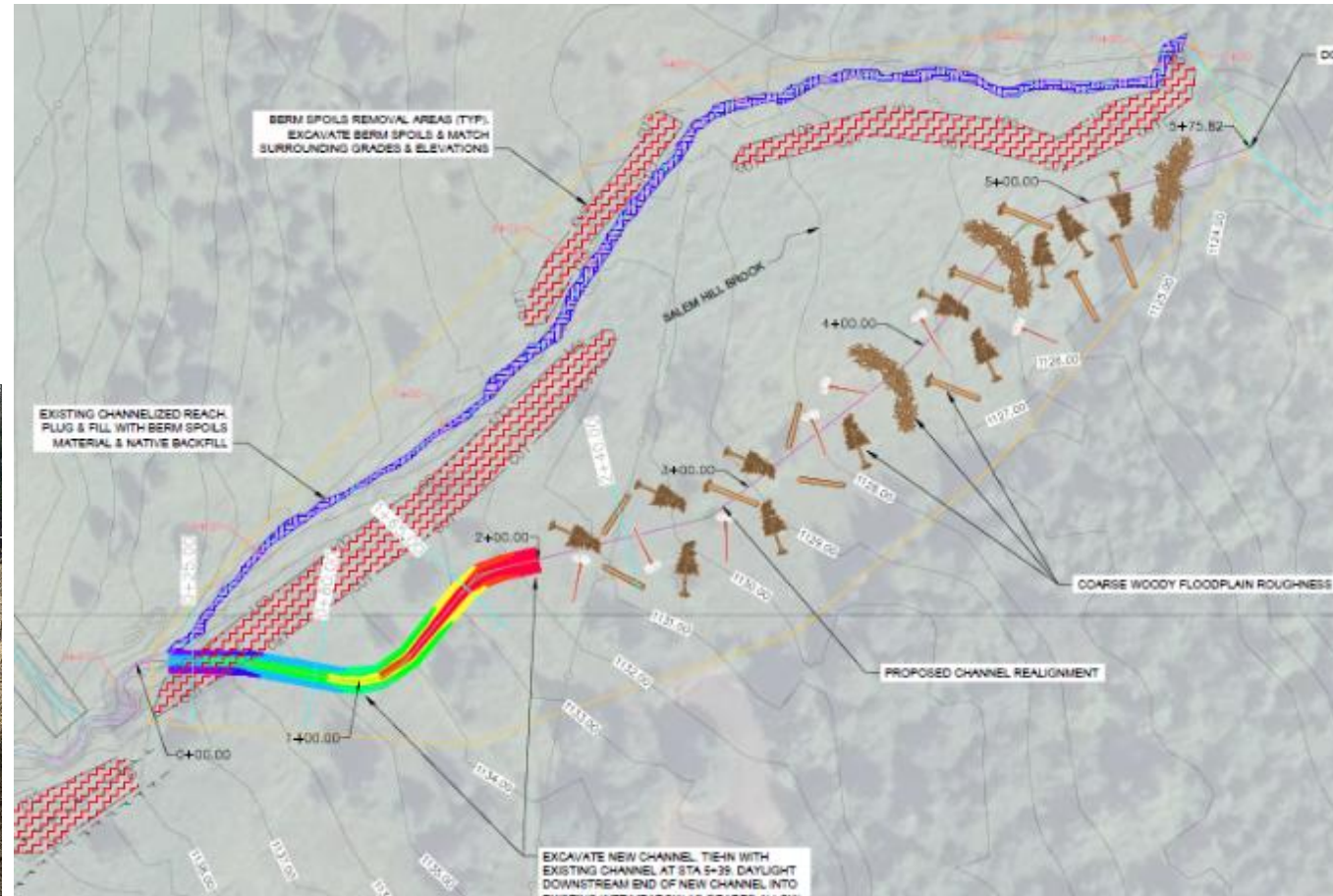
Palin Farm Rd Stream & Floodplain Restoration Project Design

- Stream buffer planting
- Culvert removal & upgrades
- Wood additions and floodplain restoration
- Potential ditch plugs & stream realignment into historic channel



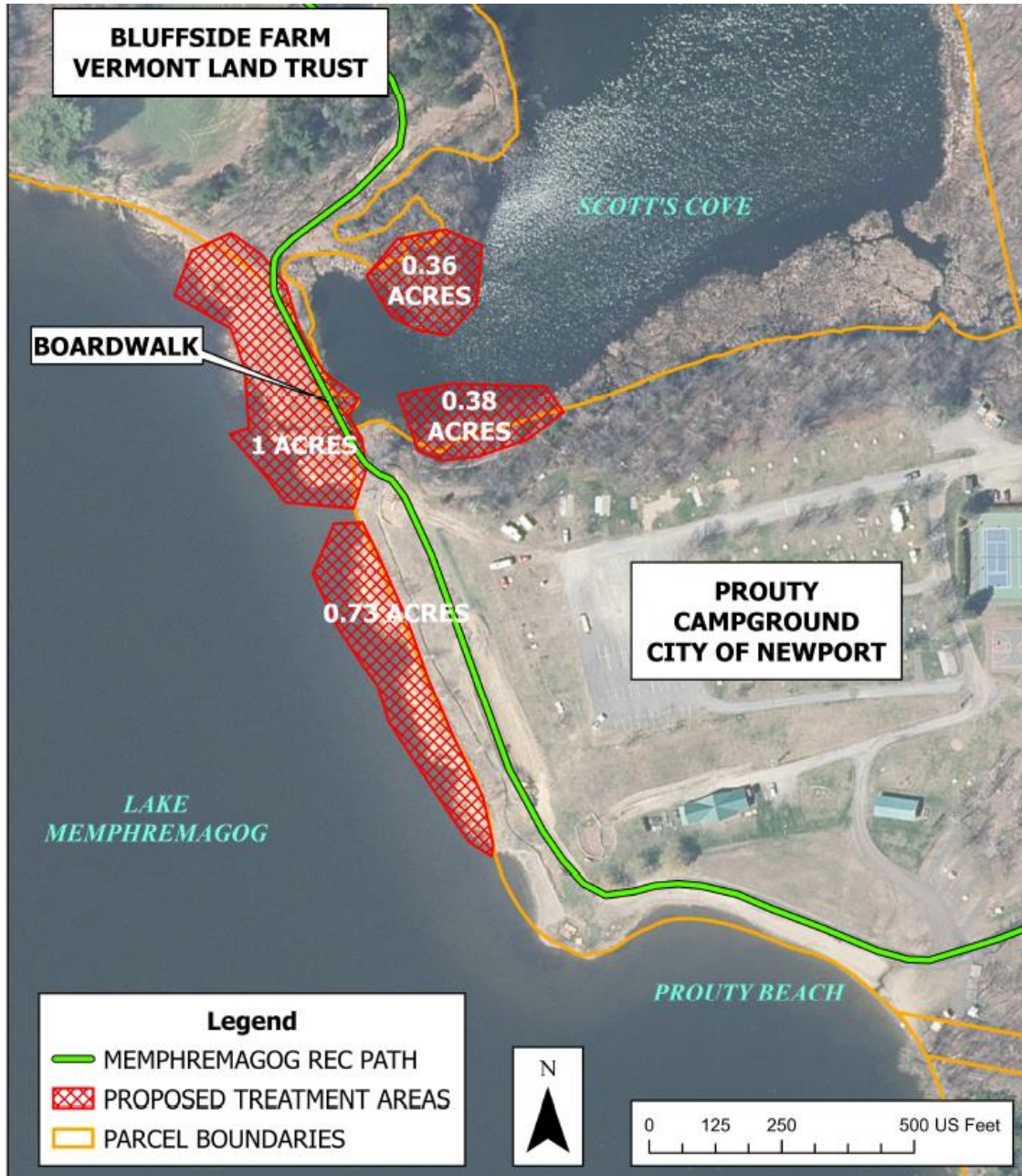
Upper Salem Hill Brook Floodplain & Wetland Restoration Design

- Culvert upgrade
- Ditch plugs & berm removal
- Buffer Planting
- Potential stream realignment



Scott's Cove Phragmites Removal

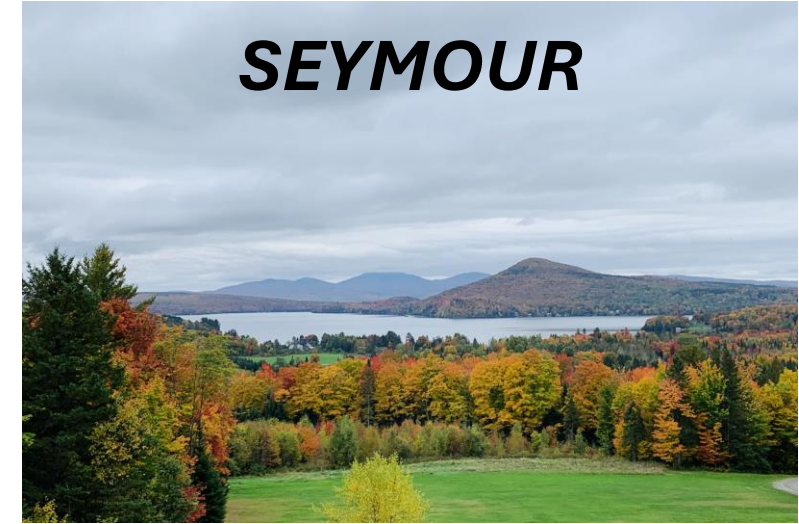
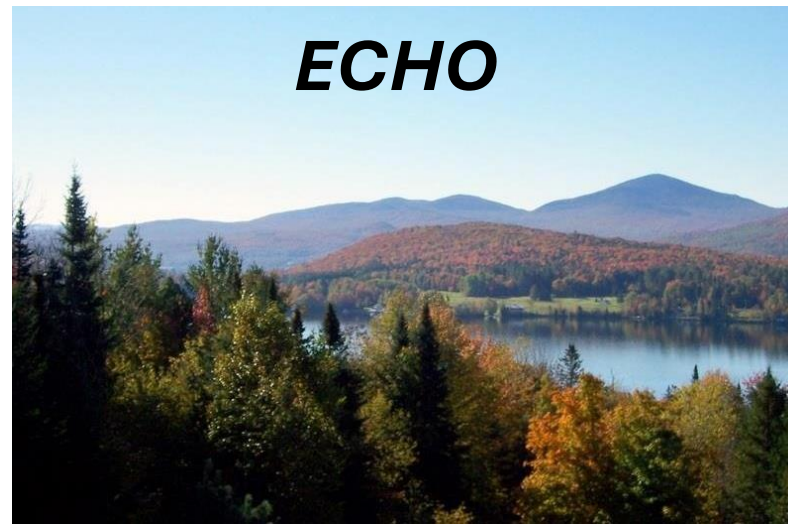
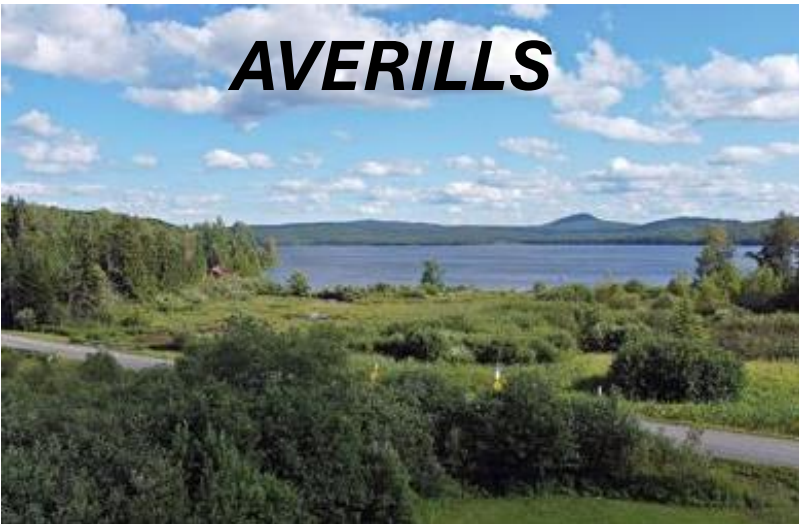
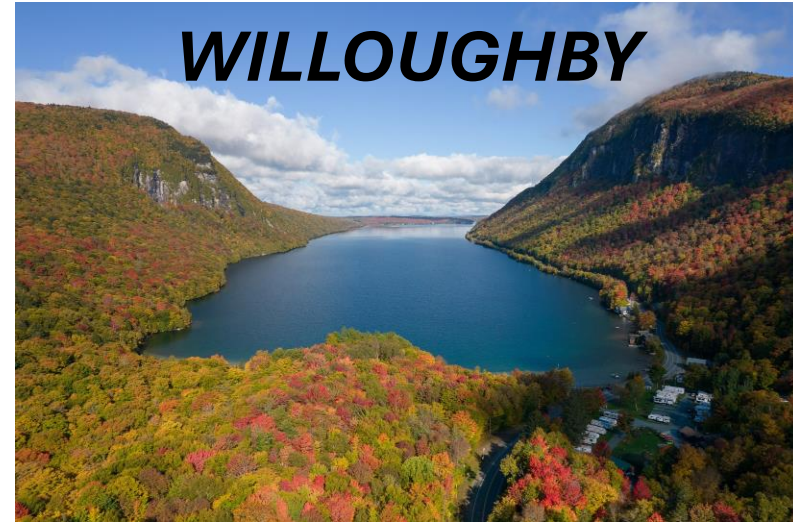
- Approximately 2.5 acres targeted for treatment
 - Mechanical & chemical methods



Lake Watershed Action Plans

MWA work with Orleans County Conservation District to:

- Perform background research and geospatial review
- Conduct stream, roadway, and lakeshore assessments
- Identify and prioritize potential water quality projects
- Develop 30% conceptual restoration designs
- Draft Final Report with recommendations and priorities



Beaver Conflict Resolution Work

- Installation of culvert cages that prevent beavers or mobilized wood from clogging structures
- 2 structures installed in Albany



Fish & Wildlife Land Acquisitions

- 8 riverfront properties have been donated to the VT Fish & Wildlife Dept.
 - Land and water to be conserved forever!
- Properties by location:
 - Clyde: 2
 - Johns: 4
 - Barton: 1



Property in Morgan at confluence of Valley & Sucker Brook.



MEMPHRETAGOG WATERSHED



3RD ANNUAL CLYDE RIVER CLEAN UP

VOLUNTEERS NEEDED
*Help clean up the Clyde
upstream of Salem Lake*

14 SEPT 2024
10AM-1PM

WATER LEVELS PERMITTING

RSVP REQUIRED TO:
PHURLEY@MWAVT.ORG
QUESTIONS? TEXT/CALL
781.389.4494

LUNCH PROVIDED

**BRING CANOE/KAYAK IF
POSSIBLE, NOT REQUIRED**



Orleans
County
Natural
Resources
Conservation
District

NORTHWOODS
STEWARDSHIP CENTER