



Patrick Leahy Lake Champlain Basin Program Report of Activities FY 2025



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The Year in Review

In this space last year, I reported that FY2024 was our busiest and most productive year yet. Grant funding was at record levels, and staff drove many key program functions like long-term water quality monitoring, aquatic invasive species management, and education programs that include *Watershed for Every Classroom* and World Water Day.

These trends continued in FY2025 with more than 300 active grants and continued progress and leadership in our programmatic areas. In addition, LCBP staff launched several new programs in FY2025 that will help protect our watershed and engage partners and the public in this effort.

- FY2025 saw the award of the first grants in the Program's history to conserve lands that offer high water quality and ecosystem health values to Lake Champlain. Through outright purchase or conservation easements, this funding through the IJJA program will protect these sensitive lands in perpetuity.
- Staff worked with many partners to initiate an innovative, responsive post-flood monitoring program that will help assess the impacts of flood events on key indicators of water quality, including phosphorus and sediment loading, chlorides, and other toxic substances.

- The Program launched a new grant opportunity to enhance public recreation access to the lake, helping to foster understanding, appreciation, and ultimately stewardship of Basin water bodies and resources.
- Staff convened and hosted for the first time a day-long workshop that brought together 100 project managers, engineers, contractors, and agency partners to build capacity for aquatic organism passage projects to improve stream health for fish and other aquatic wildlife.

In the context of a continuously evolving federal policy landscape, the breadth, depth, and innovation of the LCBP's work reflects the creative thinking, adaptability, and dedication of staff and our management and scientific partners. The many local organizations with whom we collaborate continue to work with us to navigate complex federal administrative and policy requirements to complete critical projects to improve water quality and ecosystem health. This work is, of course, made possible with the stalwart support of our Congressional delegation, whose dedication to the Lake and the goals of *Opportunities for Action* continue to be unwavering.

~ Eric Howe
NEIWPC Program Director
Lake Champlain Basin Program & Champlain Valley National Heritage Partnership



Adobe Stock

Federal 2025 Funding and Investments

Federal Appropriations

EPA Base	\$13,900,000
EPA TMDL	11,000,000
EPA IJJA	7,522,000
GLFC	1,800,000
NPS (CVNHP)	500,000

\$34,722,000

Funds Distribution

LCBP Priority Programs	\$11,534,289
VT TMDL Implementation	8,000,000
LCBP Key Functions	4,454,002
Core Projects	3,266,851
NY TMDL Implementation	3,000,000
Directed to State of VT	2,699,483
Directed to State of NY	1,407,375
Directed from EPA to USGS	360,000

\$34,722,000

Budget Allocations

Clean Water	\$16,220,142
Healthy Ecosystems	10,220,232
Key Functions	4,823,600
Informed & Involved Public	2,087,214
Thriving Communities	1,370,812

\$34,722,000

CLEAN WATER



BY THE NUMBERS

\$2.1M clean water research grant funds awarded with FY2024 appropriations

38 quality assurance plans to ensure reliable data collection

12 clean water implementation and planning grants awarded



Soil health in plasticulture at High Meadows.



Completed stormwater bioretention area off of Swanton Beach parking lot.

Program Highlights

- Implemented a new land acquisition grant program to protect lands of high conservation and water quality protection value.
- Developed a new water quality sampling program to assess public health impacts of flood events in real time.
- Developed a new program to support improvements to public access to Lake Champlain.
- Coordinated deployment and maintenance of water quality monitoring buoys to provide real-time online public access to data.
- Contributed data from LCBP-supported grants to the State of Vermont's phosphorus reduction accounting database to track progress toward meeting TMDL goals.

Grant and Research Project Highlights

Comprehensive Binational Phosphorus Mass Balance Analysis Toolkit for the Missisquoi Bay Watershed

Stone Environmental developed a mass balance model for Missisquoi Bay, providing a detailed assessment of phosphorus entering and leaving the bay and allowing for more targeted management strategies in the future.

Assisting Farmers with Soil Health Strategies

Franklin County Natural Resources Conservation District created curriculum and a training program for agricultural technical assistance providers to improve the adoption of healthy soil practices—which benefit water quality—by their farmer clients across the state.

Québec Soil Health Diagnosis

Organisme de bassin versant de la baie Missisquoi, in partnership with the Research and Development Institute for the Agri-Environment in Québec, developed a user-friendly spatial representation of the extent and impacts of soil degradation on crop productivity and loss of soil and nutrients, including phosphorus, within the overall Québec portion of the Missisquoi Bay watershed.

Improving Winter Road Maintenance

To improve winter road maintenance operations, Washington County partnered with the towns of Whitehall and Hampton, New York to purchase four brine sprayers and four therma track ground temperature sensors. The equipment upgrades will allow both towns to reduce their deicing salt usage.

Swanton Beach Stormwater Design and Implementation

The Friends of Northern Lake Champlain completed design and construction for a stormwater bioretention area at Swanton Beach in Swanton, Vermont—a need identified in a prior shoreline assessment. of inland lakes in the Lake Champlain Basin more broadly.

2024 Large Implementation Grant

in progress

Clean Water Safe Roads Salt Reduction Equipment

Project Description

Brining has been proven an incredibly effective tool for sustainable snow and ice removal, one that uses approximately four times less salt to prevent ice build up than is needed to remove snow and ice after it has fallen and formed. The model for regional brining cooperatives has been proven by highway departments like Washington County and those in and around Lake George, empowering motivated highway leaders with the tools to implement additional best management practices for salt pollution reduction, and create an efficient economy of scale to serve the surrounding region in the process. This project's objective is to further reduce road salt pollution in the Lake Champlain Basin by replicating successful cooperative models, enabling the purchase and installation of brine making equipment that will supply qualified towns in Southern Clinton and Northern Essex Counties who are actively engaged in salt reduction efforts with brine to fuel their operations.

Outputs:

- purchase of a brine making equipment and other road salt reduction based on highway department needs
- associated use reports
- the first season of a brine making cooperative
- demonstrations and trainings for municipal officials and other highway staff
- implementation of additional best management practices for salt pollution reduction
- create an efficient economy of scale to serve the surrounding region

Outcomes:

- further reduce road salt pollution in the Lake Champlain Basin

Organization: Adirondack Action Organization

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Keeseville, NY 12944

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Website: adkaction.org



Mike Farrell, Peru Highway Superintendent, demonstrates how the town uses its personal brinemaking equipment, but the Town has goals to launch its own cooperative to support the region.

NEIWPCC Code: LS-2024-051
EPA 0368-002-001
Start Date: 6/13/2024
Close Date:
Grant Amount: \$175,503.00
Non-federal Match: \$ 15,070.00
Total Amount: \$190,573.00



2024 Large Implementation Grant

in progress

Confluence River Park: River Access in Vermont's Capital City

Project Description

In downtown Montpelier, at the confluence of the North Branch and Winooski Rivers, build a fully accessible park (including brownfields cleanup and drainage improvements) where people of all ages and abilities can fish, sit, eat lunch, paddle, tube, picnic, view wildlife, and more, creating new opportunities for people to connect with local waterways.

Located in downtown Montpelier where there is currently no recreational access to the rivers, Confluence River Park is a citizen-driven open space and river recreation project that has been part of community conversations for more than 30 years. Park designs have been heavily informed by dozens of public meetings, focus groups, and citizen advisors. The park will be an inclusive space where people of all ages, abilities, and backgrounds can gather by the river with friends, family, and community members.

Outputs:

- Brownfields remediation
- Completed construction of Confluence River Park

Outcomes:

- drainage improvements to developed-land runoff

Organization: Vermont River Conservancy

Contact Person: Remy Crettol

Mailing Address: 29 Main Street, Suite 11
Montpelier, VT 05602

Phone: 802-229-0820

E-mail: remy@vermontriverconservancy.org

Website: <https://vermontriverconservancy.org/>



Aerial view of the current Confluence River Park site.

*Total project cost represents the full cost of project implementation to construct Confluence River Park. The entire implementation budget is just over \$3 million, which includes site preparation, brownfields mitigation, structural improvements, drainage and utility improvements, site amenities, landscaping, etc. Of this total project cost, the LCBP award of \$199,263 will be matched with at least \$200,000 in non-federal funds.



NEIWPCC Code: LS-2024-073

EPA 0368-002-001

Start Date: 6/28/2024

Close Date:

Grant Amount: \$199,263.00

Non-federal Match: \$200,000.00

Total Amount: \$3,009,350.00*

2024 Large Implementation Grant

in progress

Enhancing Water Quality Through Septic System Improvements in the Lake George Watershed

Project Summary

The Lake George Association (LGA) will fund the newly created Critical Action Fund (CAF) to provide capital to residents within the Lake George (LG) watershed for projects that will increase water quality & clarity by reducing nutrient inputs. The objective is to alleviate the financial burdens placed on homeowners by providing monetary assistance to upgrade failed or substandard septic systems per the Lake George Park Commission's (LGPC) septic inspection program. With 2,500 systems within the new regulations & approximately 55% failing or substandard, that means 1,375 systems are currently leaching wastewater into our drinking water supply. The LGA intends for the CAF to extend for 5-plus years to fund septic replacements/upgrades for the duration of the LGPC's inspection program's first cycle.

Outputs:

- complete approximately 500 inspections per year
- financial support for substandard or failing systems (approximately 275 systems per year)
- replacement/upgrade of about 35-40 septic systems including engineering design

Outcomes:

- reduced nutrient input into Lake George.

Organization: Lake George Association

Contact Person: Monika LaPlante

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Lake George, NY. 12845

Phone: 518-920-4011

E-mail: mlaplante@lakegeorgeassociation.org

Website: www.lakegeorgeassociation.org



Completed septic installation.



NEIWPCC Code: LS-2024-054

EPA 0368-002-001

Start Date: 7/10/2024

Close Date:

Grant Amount: \$200,000.00

Non-federal Match: \$202,000.00

Total Amount: \$402,000.00

2025 Clean Water Implementation - Large

in progress

Enos and Partridge Hill Road Improvements

Project Summary

This project seeks to fund the implementation of green stormwater infrastructure on two road systems identified in the Lake Iroquois Watershed Action Plan. This was an in-depth study of the Lake Iroquois and adjacent Patrick Brook watersheds that was completed in 2024. Part of this study identified and ranked stormwater infrastructure-related projects associated with these two bodies of water and their watersheds. Improvements to these roads would better manage stormwater runoff, increase flood resiliency, prevent future flood damage, and reduce Phosphorus inputs in Lake Champlain.

Outputs:

green stormwater infrastructure improvements to Enos Road and Partridge Hill Road (including Red Pine Road). RFP for engineering services, Signed contract for engineering services, 100% engineering designs, Pre-construction meeting minutes, All Construction Permits, RFP for construction services, Signed contract for construction services, Engineering As-Built Certification for Enos Road Work, One photograph from Enos Road work, Engineering As-Built Certification for Red Pine Road Work, One photograph from Red Pine Road work, Engineering As-Built Certification for Partridge Hill Road Work, One photograph from Partridge Hill Road work, Submitted close-out documentation for all permits, Photographs of O&M workday, Report/Handout on recommendations for O&M, Press Release.

Outcomes:

reduced surface runoff, flooding, flood damage, and erosion on Enos, Red Pine, and Partridge Hill Roads increasing flood and climate change resilience. Sedimentation and excessive nutrient loading into local waters will be reduced. Creation of new wildlife habitat due to the vegetated swales, the protection of existing, immediate downstream habitats such as wetlands, and the protection of more distant downstream habitats in Lake Champlain. Residents will be better educated on green stormwater infrastructure and maintenance.

Organization: Winooski Natural Resources Conservation District
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Website: winooskinrcd.org

NEIWPCC Code: LS-2025-012
EPA: 0373-002-001
Start Date: 03/19/2025
Close Date:
Grant Amount: \$192,048.00
Non-federal Match:
Total Amount: \$192,048.00

2025 Clean Water Implementation - Large

in progress

Equipment Expansion: Clean Water Safe Roads Salt Reduction Effort

Project Summary

By increasing access to high-impact road salt reduction technology and equipment, public and private winter road maintenance crews in New York's Northern Champlain Basin already engaged in salt reduction efforts can implement significantly more effective road salt contaminant reduction practices to prevent additional pollution to the Lake Champlain Basin. When coupled with best management practices, today's innovative equipment and technology have been proven incredibly effective tools for sustainable snow and ice removal and road salt reduction. Tools like salt brine use approximately four times less salt to prevent ice build up than is needed to remove snow and ice after it has fallen and formed, while segmented, or "live edge" plow equipment is shown to lift more snow and ice off roads and requiring less salt additives, and when coupled with remote temperature sensors and snow tracking technologies, compound reductions to make a significant difference in sodium chloride application and overall cost savings.

Outputs

- replicating and improving AdkAction ongoing successful equipment distribution model, purchasing highly recommended and highly sought after winter road maintenance technologies for qualified contractor leaders and highway departments already making progress toward or displaying commitment to salt reduction, but who lack the capital for up-front investment.
- purchase of equipment such as brine makers, sprayers and spreaders, segmented plows, alternative material de-icers, remote technology, and more, as well as associated monitoring and use reports, demonstrations and trainings for municipal officials, private contractors, and other winter road
- Copy of press release; summary of equipment locations and primary operators/cooperative members.
- Equipment that will be durable, properly installed, and well utilized for our host and participant departments.

Organization:

AdkAction.Org, Inc

Contact Person:

Kim Trombly

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PO Box 64
Keeseville, NY 12944

Phone:

518-856-3233

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Website:

www.adkaction.org

Outcomes

- reduced salt contaminant loading into the Champlain Basin.
- A diverse public well-informed about this initiative and its greater purpose.
- Winter road maintenance leaders that are trained to use this equipment properly and monitor necessary information.
- A broader cohort of stakeholders knowledgeable about this initiative and interested in participating or carrying out their own similar salt reduction strategies.

NEIWPCC Code:	LS-2025-021
EPA:	0373-002-001
Start Date:	05/29/2026
Close Date:	
Grant Amount:	\$190,411.00
Non-federal Match:	\$15,070.10
Total Amount:	\$205,481.10

2022 Large Implementation Grant

concluded

Essex County Riparian Buffer Program

Project Description

The goal is to improve as well as increase the capacity and impact of our riparian restoration program. District staff will consult with peers with strong buffer programs such as the Upper Susquehanna Buffer Program and members of the Lake Champlain Basin Riparian Practitioners' group on best practices and some available trainings. Essex County Soil & Water Conservation District has regularly planted trees in buffer areas through the Trees for Tribes Program run by the NYSDEC, in partnerships with other organizations including Trout Unlimited (TU) and the Boquet River Association (BRASS), in partnership with landowners, as well as on our own. Riparian buffers improve water quality and provide a variety of benefits for aquatic organisms, wildlife, and the environment. Riparian buffers reduce excess sediment, organic material, nutrients, and pesticides in surface runoff, all while stabilizing streambanks and shorelines. Overall, this program enabled over 13,000 feet of riparian buffer area to be planted. There are plantings in Willsboro (1), Keeseville (1), Keene Valley (4), Lewis (3), Elizabethtown (5), Essex (4), AuSable Forks (1), Westport (1), and Crown Point (1). During the span of the plantings, over 3,700 stems were planted. While we were successful in planting, nature had different ideas towards the end. Our mortality rate showed some increase in 2024 due to the flood events that came through the county. However, we were also able to see areas of erosion where the flooding occurred, solidifying the fact that programs like this are needed in order to protect our riparian buffer

Outputs:

- development of a 3-year plan identifying potential sites
- purchasing of plants, prepping sites
- maps of areas with buffers planted

Outcomes:

- improve as well as increase the capacity and impact of riparian restoration program
- improve water quality and benefits for aquatic organisms, wildlife, and the environment.

Organization: Essex County SWCD

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Website: <http://www.essexcountyswcd.org/>



Top: Plantings along the Boquet River in Elizabethtown. Bottom: A planting event on the Ausable River in North Elba.

NEIWPCC Code: LS-2022-022

EPA 0357-002-001

Start Date: 4/28/2022

Close Date: 9/5/2025

Grant Amount: \$ 78,000.00

Non-federal Match: \$ 8,500.00

Total Amount: \$86,500.00



2024 Large Implementation Grant

in progress

Great Chazy-Saranac Covered Barnyard

Project Description

The project will include the construction of an Agricultural Best Management System of Livestock Heavy Use Area Runoff Management System including multiple components. The components and outputs will include the construction of a concrete heavy use area with buck walls, timber frame roof, construction of an access road, laneway to connect to existing grazing system, waterline to connect to the existing system, watering facilities inside the heavy use area, clean water exclusion, critical area seeding of disturbed areas, pasture and hay planting of the existing heavy use area, engineering and District staff time to provide technical assistance, oversight and contract management.

Outputs:

- construction of a concrete heavy use area with buck walls
- timber frame roof
- construction of an access road
- laneway to connect to existing grazing system
- waterline to connect to the existing system
- watering facilities inside the heavy use area
- clean water exclusion
- critical area seeding of disturbed areas, pasture and hay planting of the existing heavy use area

Outcomes:

- installation of a covered barnyard to reduce erosion
- reduce nutrient loading
- provide a stable area used frequently by livestock and protect and improve water quality while sustaining diverse ecosystems, vibrant communities, and working landscapes within the Lake Champlain Watershed.

Organization: Franklin County SWCD

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Malone, NY 12953

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E-mail: kballou@fcsxcd.org

Website: <https://fcsxcd.org/>



NEIWPCC Code: LS-2024-025
EPA 0368-002-001
Start Date: 4/9/2024
Close Date:
Grant Amount: \$100,000.00
Non-federal Match: \$ 51,596.00
Total Amount: \$151,596.00

2025 Clean Water Implementation - Large

in progress

Implementation of a Gravel Wetland for the Boulder Hill Neighborhood in Shelburne, VT

Project Summary

This project will implement a final 100% engineering plan to retrofit the existing pre-2002 stormwater pond to a gravel wetland at the Boulder Hill residential subdivision, located within the stormwater impaired Monroe Brook watershed in Shelburne. This project will retrofit a failing and out of compliance detention basin into a gravel wetland that will provide proper storage volume to treat to the CPv and meet the goals for the Munroe Brook FRP for this site. This will also meet the Town's PCP for this site. This site is also a 3-acre site identified by the state. This upgrade will meet compliance with state regulations for this site.

Outputs:

An existing wet pond will be converted to a gravel wetland that meets the current Vermont design guidance and meets the needs of the three-acre permit for the site. maintained for its design life per the O&M plan by the Town of Shelburne. Informative signage will provide an educational opportunity for residents walking on the adjacent forest trails. Shelburne is working on putting two other informative kiosks on stormwater management at other sites.

Outcomes:

A reduction of 6.06 kg of phosphorus annually to Lake Champlain. It will also fully manage the channel protection volume (CPv) in the stormwater impaired Munroe Brook. The gravel wetland will manage the stormwater from 5.34 acres of existing impervious surface. This project will also provide an excellent example for the other nine 3-acre residential sites in Shelburne and impart faith and reassurance that these projects can go to completion without large out of pocket costs.

Organization: Town of Shelburne
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 Shelburne, VT 05482
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Website: shelburnevt.org

NEIWPCC Code: LS-2025-011
EPA: 0373-002-001
Start Date: 03/12/2025
Close Date:
Grant Amount: \$200,000.00
Non-federal Match: \$141,308.00
Total Amount: \$403,000.00

2023 Large Implementation Grant

in progress

Mt. Norris Boy Scout Camp Stormwater and Lakeshore BMP Implementation and Lamoille Union High School Green Stormwater BMP Installation

Project Description

This project will undertake the installation of stormwater best management practices in two locations in the Lamoille River Basin. The first project, a proposed stormwater and lakeshore best management practice (BMP) implementation for Mt Norris Boy Scout Camp in Eden, VT is one of 5 top ranked projects identified in Lake Eden Watershed Action Plan. It was ranked as a high priority due to the estimated nutrient and sediment loading from the site into Lake Eden and, subsequently the Lake Champlain Basin.

The second BMP installation will take place at the Lamoille Union High School. The resulting water quality treatment of 2.62 acres would result in an estimated phosphorus removal of .56 lbs. and 564 lbs. of suspended solids per year. Additionally, educational signage will be included on site as well as an academic curriculum and educational outreach materials based upon BMP.

Outputs:

- stormwater mitigation needs
- conform with the “3-acre” General Permit 3-9050
- educational opportunities for the boy scouts
- informational signage will provide ongoing educational outreach to the general public and partnering agencies regarding successful stormwater and lakeshore BMPs
- rerouting the existing storm line to a subsurface storage and infiltration system under the paved parking lot located northwest of the High School

Outcomes:

- decreased nutrient and sediment loading
- improved water quality

Organization: Lamoille County Conservation District (LCCD)

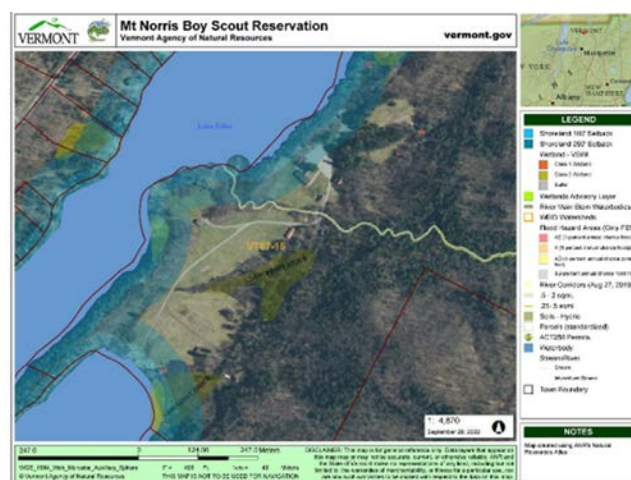
Contact Person: Peter Danforth

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Morrisville, VT 05661

Phone: (802) 521-3004

E-mail: lccddirector@gmail.com

Website: <http://www.lcnrcd.com/>



NEIWPCC Code: LS-2023-012

EPA 0364-002-001

Start Date 6/1/2023

Close Date:

Grant Amount: \$232,505.00

Non-federal Match: \$ 11,000.00

Total Amount: \$243,505.00

2024 Large Implementation Grant

in progress

Protecting the Headwaters of the West Branch of the Ausable River

Project Description

ADK's objective is to prevent pollution of pristine headwater streams in the High Peaks Wilderness by replacing a failing septic system at the High Peaks Information Center (HPIC), located at the main trailhead for the area. The septic system at the HPIC serves the only flush toilets at a High Peaks access point. Visitors will learn about the importance of maintaining and cleaning their septic systems as part of preserving water quality by reading a sign about the project and the Lake Champlain Basin.

Outputs:

- a new septic system, including tank, leach field, and seepage pits will be installed
- interpretive signage

Outcomes:

- reduce impact on streams and water quality
- prevent pollution of pristine headwater streams from the 100,000 annual visitors to the area
- beach at Heart Lake will not be closed as a result of contamination from the HPIC's septic system

Organization: Adirondack Mountain Club

Contact Person: Julia Goren

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Lake Placid, NY 12946

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Website: adk.org



NEIWPCC Code: LS-2024-052

EPA 0368-002-001

Start Date: 6/5/2024

Close Date:

Grant Amount: \$141,550.00

Non-federal Match: \$ 9,356.00

Total Amount: \$150,906.00

2025 Clean Water Implementation - Large

in progress

Septic Smart: Regional Implementation and Expansion Program

Project Summary

This program will leverage millions of dollars of New York State money provided to Clinton, Warren, and Washington Counties by the Septic System Replacement Fund, providing essential staff funding to help each county effectively expand and implement the program. In addition, the LCLGRPB will expand the Septic Smart Campaign to reach eligible homeowners in communities with disadvantages in these counties, promoting the replacement program and enhancing the educational campaign on the responsible use of septic systems to maintain and improve water quality in the Lake Champlain Basin. To complement this effort, the Lake Champlain Lake George Regional Planning Board will update and expand the *Septic Smart* program, specifically targeting eligible homeowners in communities with disadvantages within the watershed. Similar to the state's program, each homeowner will receive a \$10,000 reimbursement upon the installation of a new system, with selections made based on need and income eligibility. This initiative aims to optimize resources, enhance environmental outcomes, and ensure sustainable improvements in water quality for the communities of the Lake Champlain Basin.

Outputs:

expanded septic system replacement programming at all three counties, updated Septic Smart printed and electronic resources, and the leveraging resources to install 135 new septic systems across the Lake Champlain Basin in two years while offsetting the costs for homeowners, many of whom will be in disadvantaged communities.

Outcomes:

more robust and effective septic replacement programming in all three counties, a better-informed public, reduced nitrogen and phosphorus loading to the Lake Champlain Basin, improved water quality in the Lake Champlain Basin, and a new collaborative approach to water quality programming across three counties in the Basin.

Organization: Lake Champlain - Lake George Regional Planning Board
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Website: <https://www.lclgrpb.org>

NEIWPCC Code: LS-2025-003
EPA: 0373-002-001
Start Date: 03/06/2025
Close Date:
Grant Amount: \$191,314.00
Non-federal Match:
Total Amount: \$1,491,314.00

2024 Large Implementation Grant

in progress

Taft Brook Bank Stabilization

Project Description

The goal of this project is to stabilize an eroding bank on the Missisquoi River. This bank has been eroding for a while, but the July 2023 storms caused some extreme erosion, undermining the farm road adjacent to the streambank, impacting farm operations, and adding an influx of nutrients from this long-time farm field into the Missisquoi. The objective of this project is to protect water quality in our region – this project will enable us to reduce direct erosion and nutrient input to the Missisquoi River system and the Lake Champlain Basin – but also to educate landowners, community members, and river users about different (“softer”) bank stabilization methods than can be used to accomplish these goals.

Outputs:

- stabilization of streambank

Outcomes:

- reduction of direct erosion and nutrient input to the Missisquoi River system and the Lake Champlain Basin

Organization: Missisquoi River Basin Association

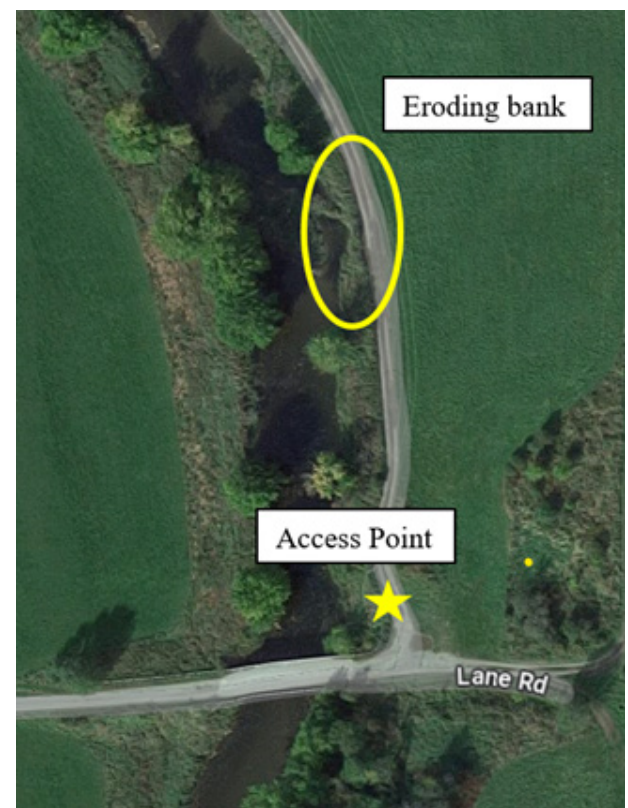
Contact Person: Lindsey Wight

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E-mail: lindsey@mrbavt.com

Website: www.mrbavt.com



NEIWPCC Code: LS-2024-011
EPA 0364-002-001
Start Date: 4/3/2024
Close Date:
Grant Amount: \$55,505.00
Non-federal Match: \$ 2,120.00
Total Amount: \$57,625.00

2024 Large Implementation Grant

in progress

Trinity Rock Stormwater Abatement

Project Description

The Trinity Rock Road project will move the existing engineering plans to final design, and installation by the Lake George Highway Department. The Warren County Soil and Water Conservation District (District) will work directly with the engineers and municipality to plan and implement roadside stabilization, an upgraded conveyance system and three hydrodynamic stormwater separators. Once implemented, the project will treat and filter the stormwater runoff to the three major outfalls that currently drain directly to Lake George. The District will coordinate with the municipality, highway department and landowners for town meetings, DIG Safely NY, RFQ for materials, preconstruction meetings and be onsite with the highway department during the installation. The Trinity Rock stormwater upgrades will reduce direct stormwater inputs of sediment, nutrients, petrochemicals, trash, and salt use through reduced flooding and icing over winter on steep roads.

Outputs:

- roadside stabilization
- upgraded conveyance system
- three hydrodynamic stormwater separators

Outcomes:

- treatment and filtering of stormwater runoff to the three major outfalls that currently drain directly to Lake George
- reduction of direct stormwater inputs of sediment, nutrients, petrochemicals, trash, and salt use through reduced flooding and icing over winter on steep roads.

Organization: Warren County SWCD

Contact Person: Nick Rowell

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Warrensburg, NY 12885

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E-mail: nickr@warrenswcd.org

Website: www.warrenswcd.org



A hydrodynamic stormwater separator installed in 2021 as part of phase one of the upper Trinity Rock Road storm sewershed.



NEIWPCC Code: LS-2024-031
EPA 0368-002-001

Start Date: 4/3/2024

Close Date:

Grant Amount: \$199,024.00

Non-federal Match: \$ 20,000.00

Total Amount: \$219,024.00

2024 Large Implementation Grant

concluded

Washington County and Town Partnership for Improved Winter Road Maintenance

Project Description

To improve winter road maintenance operations in the Champlain watershed, Washington County partnered with the Towns of Whitehall and Hampton and purchased four brine sprayers (one 300-gallon and three 2200-gallon) and four therma track ground temperature sensors. The brine spreaders were purchased to expand and improve upon the county’s winter road maintenance program. While the brine spreaders were used in a limited capacity due to water restrictions in Whitehall and a late season start, where brine was applied, it was done successfully. A plan has been put into place for next year, and the communities are expected to fully utilize the equipment next year.

Outputs:

- purchase and install one 300-gallon and three 2200-gallon brine spreader/delivery tanks for the County
- Towns are set up to reduce salt usage in coming winters, Washington County has increased efficiency in their brine program.

Outcomes:

- reduced contaminants of concern
- reduction of rock salt application
- increased efficiency and effectiveness of county's brine making program

Organization: Washington County

Contact Person: Deborah Donohue

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Website: www.washingtoncountyny.gov/281/
Public-Works

NEIWPCC Code: LS-2024-098

EPA 0368-002-001

Start Date: 7/17/2024

Close Date: 8/8/2025

Grant Amount: \$100,000.00

Non-federal Match: \$ 1,500.00

Total Amount: \$101,500.00



2024 Planning Grant

in progress

AOP Project Prioritization & Design in the Ausable Basin

Project Description

The primary outcome for this project is the prioritization of culvert replacements to reduce fragmented aquatic habitat in the Ausable River watershed. This project will incorporate a review of spatial tools including NAACC barrier assessments, town and county priorities, disadvantaged community priorities, geomorphic and biological surveys, and native species presence to prioritize culverts for replacement in the coming years. The outputs will include a prioritized list of projects in the Ausable Basin, geomorphic survey data for five crossings, and engineered designs for Climate Ready Culverts at three barriers.

Outputs:

- prioritized list of projects in the Ausable Basin
- geomorphic survey data for five crossings
- engineered designs for Climate Ready Culverts at three barriers.

Outcomes:

- reduction of fragmented aquatic habitat in the Ausable River watershed

Organization: Ausable River Association

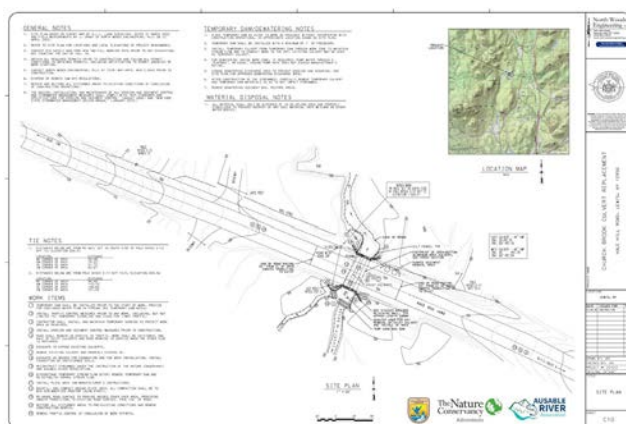
Contact Person: Carrienne Pershyn

Mailing Address: 1181 Haselton Road
Wilmington, NY 12997

Phone: 518.637.6859

E-mail: cpershyn@ausableriver.org

Website: ausableriver.org



Sample engineered designs for a planned culvert replacement from a past project. An output of this project will be completed designs for three culverts within the Ausable Basin.

NEIWPCC Code: LS-BIL-2024-067
EPA 0365-003-001
Start Date: 6/24/2024
Close Date:
Grant Amount: \$68,000.00
Non-federal Match: \$ 1,500.00
Total Amount: \$69,500.00



2025 Clean Water Planning

in progress

Clean Water Database Project Planning in the Mad River Watershed

Project Summary

Friends of the Mad River will work with local partners and expert consultants to aggregate past and current clean water scoping efforts into a database and field survey as a long-term investment in clean water project planning in the Mad River Watershed. For more than 30 years, Friends of the Mad River (FMR) has been a leader in the thoughtful and effective stewardship of the Mad River Watershed. This work has focused on bringing the community sound science & education, fostering flood & storm resilience, restoring habitat, and protecting clean water. This project is an investment in Friends of the Mad River's ability to effectively identify, prioritize, and implement Clean Water Projects in the short and long term.

Outputs:

- leverage an existing network of groups and individuals to provide key local knowledge and technical expertise. FMR will work with this group to hire and draft the scope of work for a consultant who will develop a geospatial database and field verification survey for Clean Water Projects in the Mad River Valley
- QAPP structure for data management
- RFP and Scope of Work development
- Database, Finalized Field Survey
- Prioritization Report

Outcomes:

- Improved network, stronger vision for database providing long-term basis for Clean Water Project management in the MRV
- Survey and database tested against real-world examples, improving their effectiveness and advancing a subset of projects (e.g. lbs. P reduced / \$)
- Clean Water Project partners are able to provide feedback on the database and field survey following ground-truthing, key projects identified in the process are discussed and advanced as applicable

Organization: Friends of the Mad River
Contact Person: Ira Shadis
Mailing Address: 4061 Main Street
 Waitsfield, VT 05673
Phone: 802-496-9127
E-mail: ira@friendsofthemadriver.org
Website: <https://www.friendsofthemadriver.org/>

NEIWPCC Code: LS-2025-034
EPA: 0373-002-001
Start Date: 04/29/2025
Close Date:
Grant Amount: \$85,492.00
Non-federal Match: \$20,000.00
Total Amount: \$145,970.00

2023 Planning Grant

in progress

East Branch Restoration Plan – Project Area 7 Engineering Design Development Town of Jay, Ausable River Watershed

Project Description

The Ausable River Association (AsRA) will be moving a priority river restoration project, Project Area (PA) 7, in the Town of Jay to shovel-ready status. PA7 sits just upstream of the hamlet of Jay on the East Branch Ausable River. The project is integral to flood resilience, ice jam mitigation, public safety, stream function, and habitat restoration while enhancing wetland environments and increasing floodplain access. The development of construction-ready design plans stamped by a NYS-licensed engineer would allow AsRA to help the Town of Jay continue progress on implementation of the East Branch Restoration Plan.

Outputs:

- engineered design plans for river channel restoration and floodplain access
- preparation of a USFWS federal landowners agreement
- draft bid documents.

Outcomes:

- reduced nutrient loading
- understanding impacts of climate change on clean water
- habitat conservation for ecosystem function

Organization: Ausable River Association

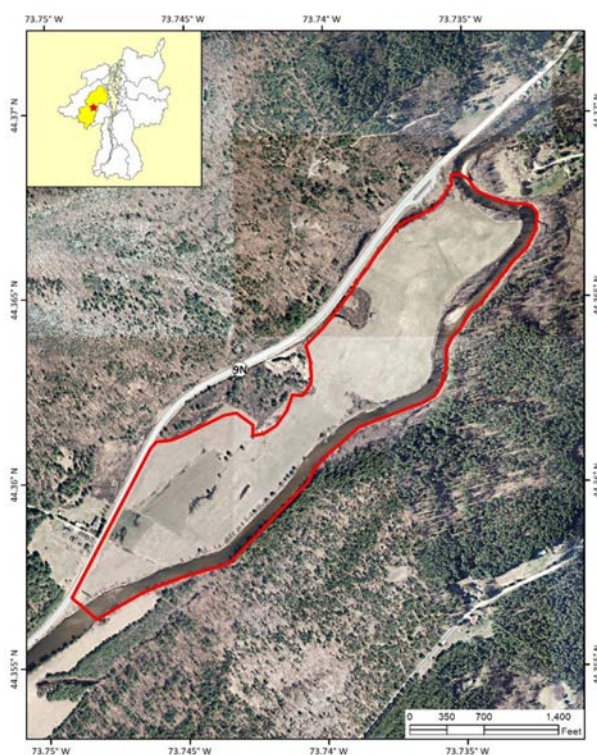
Contact Person: Gary Henry

Mailing Address: PO Box 8
Wilmington, NY 12997

Phone: 518-637-6859

E-mail: gary@ausableriver.org

Website: <https://www.ausableriver.org/>



Site map showing PA7. Project area includes the channel and floodplain along NYS Route 9N. Inset map shows location of site within the Lake Champlain Basin

NEIWPCC Code: LS-2023-015

EPA 0364-002-001

Start Date: 4/4/2023

Close Date:

Grant Amount: \$75,000.00

Non-federal Match: \$ 3,200.00

Total Amount: \$78,200.00



2022 Planning Grant

concluded

Establishing Bankfull Discharge and Hydraulic Geometry Relationships, Ausable River Watershed

Project Summary

As the number of potential and active stream restoration sites and road-stream crossing replacements have grown in the Ausable River watershed, the need for regional guidance on bankfull hydraulic geometry specific to the watershed has also increased. Existing curves are based on a much larger area, encompassing physiographic areas beyond the Adirondacks, where much of the present restoration work in the Ausable watershed is taking place. We worked with a national expert in the development of regional curves to generate a set of curves based on four (4) reference reach sites and three (3) US Geological Survey stream gage sites located within the Ausable River watershed. This project will greatly improve our ability to work with our partners at the US Fish and Wildlife Service and others to design and construct projects more effectively and efficiently.

Outputs:

- regional curves for hydraulic geometry at bankfull discharge. These curves show trends in bankfull width, depth, and cross-sectional area plotted by drainage area of the sites included in the study.

Outcomes:

- more effective and efficient project design and construction
- improved restoration and road-stream crossing replacement designs informed by a watershed-specific regional data set. With new draft guidance from the NYS Department of Environmental Conservation (DEC) that require the bankfull channel to be contained within road-stream crossings as part of the permitting process, these new curves will help design professionals confirm geomorphic field observations collected during site surveys.

Organization: Ausable River Association

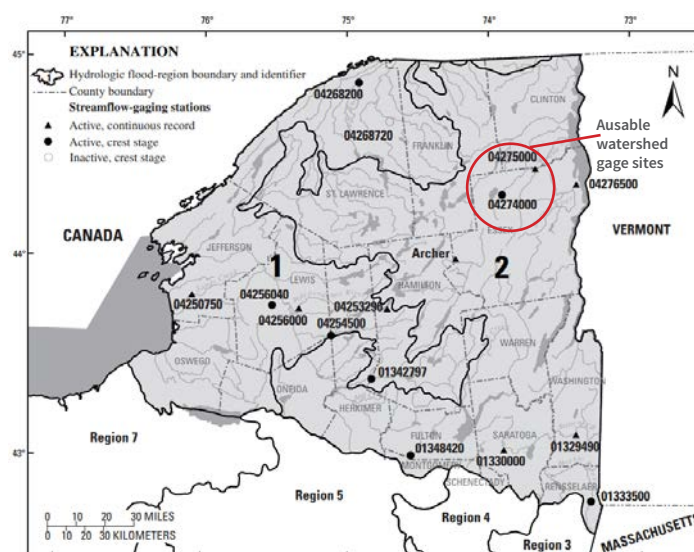
Contact Person: Gary Henry

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Wilmington, NY 12997

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E-mail: gary@ausableriver.org

Website: www.ausableriver.org



Map of the area used to develop regional bankfull discharge and hydraulic geometry relationships in Northern New York (from Mulvihill et al., 2007). Gage sites in the Ausable watershed are circled in red.

NEIWPCC Code: LS-2022-020
EPA 0357-002-001
Start Date: 3/23/2022
Close Date: 5/19/2025
Grant Amount: \$49,961.00
Non-federal Match: \$ 2,500.00
Total Amount: \$52,461.00



2025 Clean Water Planning

in progress

Final Designs - Ahead of the Storm Demonstration Sites, Hinesburg & Starksboro

Project Summary

This project would complete final designs for two of Lewis Creek Association's Ahead of the Storm demonstration sites – one for two gravel wetlands at a residential neighborhood in Hinesburg, and one for stormwater treatment at the Town of Starksboro's ballfields property along Lewis Creek. Untreated stormwater runoff from a compact residential neighborhood in Hinesburg is currently collected in two eroding ditches, and takes an unnatural path to the LaPlatte River; this project would complete final design for two gravel wetlands to improve water quality and flood resiliency by capturing and treating runoff onsite. The second project would finalize design for the Starksboro town-owned ballfields; the project will focus on stormwater treatment for water quality improvement while also making the property more usable by the Town. Both will include public education and outreach through meetings and school education.

Outputs:

contract with the consultant, final design plans (including cost opinion and long-term maintenance plan), submitted permit applications, *Ahead of the Storm* demonstration site will provide education for the community. *Ahead of the Storm* packet, two press releases, at least three photos from education events,

Outcomes:

The public in the Hinesburg, Vermont and Starksboro, Vermont area will be better informed about optimal stormwater management practices. reduced nutrient and sediment loading to Lake Champlain. The final engineered design will improve the Town of Starksboro's use of the fields, and provide improved recreational opportunities for the community, including those with disadvantages.

Organization: Lewis Creek Association
Contact Person: Katherine Kelly

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Hinesburg, VT 05461

Phone: 802-488-5203

E-mail: kate@lewiscreek.org

Website: www.lewiscreek.org

NEIWPCC Code: LS-2025-020

EPA: 0373-002-00

Start Date: 03/12/2025

Close Date:

Grant Amount: \$91,327.00

Non-federal Match: \$1,531.00

Total Amount: \$92,858.00

2022 Planning Grant

in progress

Identify and Advance Implementation in Winooski Conservation District

Project Summary

Storm Smart is a residential site assessment program that guides property owners in the identification, prioritization, and implementation of practices that reduce negative impacts of stormwater. The objective of this program is to improve the water quality in the Lake Champlain Basin by reducing stormwater runoff from private residential and small-scale development before it causes erosion, degrades water quality, destroys sensitive habitat, and accumulates in volume. WNRCD, working in partnership with Friends of the Mad River (FMR) and Friends of the Winooski River (FWR), will complete 125 assessments and prescription cards using the Storm Smart Assessment framework. This framework will be updated in advance of each field season to incorporate lessons learned. This will result in creating a list of prioritized stormwater projects ready for design or implementation.

Outputs:

- update of the Storm Smart assessment protocol and framework
- 125 assessments and prescription cards using the Storm Smart assessment framework
- list of prioritized stormwater projects ready for design or implementation

Outcomes:

- reduction of stormwater runoff from private residential and small-scale development
- increased preparedness of organizations and communities to implement water quality improvement projects
- increased understanding of and appreciation for Basin resources, the related threats, and the priority actions needed to address them
- adoption of behavioral change that reflects personal commitment to protecting and improving resources in the Lake Champlain Basin

Organization: Winooski NRCD

Contact Person: Remy Crettol

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Berlin VT 05602

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E-mail: remy@winooskinrcd.org

Website: www.winooskinrcd.org

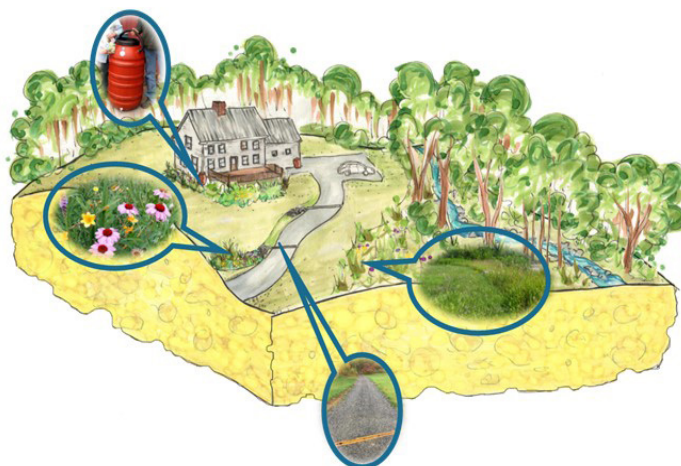


Diagram showing stormwater implementation projects (rain barrel, rain garden, waterbar, no-mow and low-mow zones) identified through a theoretical Storm Smart assessment on private residential land.



NEIWPCC Code: LS-2022-062
EPA 0357-002-001
Start Date 5/20/2022
Close Date:
Grant Amount: \$ 100,000.00
Non-federal Match: \$ 5,034.00
Total Amount: \$105,034.00

2023 Planning Grant

concluded

Illicit Discharge Detention and Elimination for Sutton, Quebec in the Missisquoi Bay, Phase 1

Project Description

This project includes the creation of an accurate stormwater infrastructure mapping database, dry weather outfall survey, and bracket sampling to identify potential illicit connections to the stormwater system and thus discharges to surface waters.

Outputs:

- stormwater infrastructure database
- a web map of stormwater infrastructure
- results and summary report of stormwater outfall dry weather survey including the results of up to three bracket sampling investigations and recommendations for intervention to correct illicit discharges
- community outreach materials including a handout and press release
- identification of locations for potential stormwater best management practices (BMPs).

Outcomes:

- reduced phosphorus loading to Lake Champlain's Missisquoi Bay through the Sutton River via the identification and correction of illicit discharges
- a more informed public on illicit discharges and phosphorus levels in the Missisquoi Bay watershed.

Organization: Watershed Consulting Associates, LLC

Contact Person: Andres Torizzo

Mailing Address: 208 Flynn Ave Suite 2H
Burlington, VT 05401

Phone: (802) 497-2367

E-mail: andres@watershedca.com

Website: <https://watershedca.com/>



GPS equipment will be used to map stormwater infrastructure including culvert inlets



NEIWPCC Code: L-2023-014
GLFC 0100-337-002
Start Date 4/10/2023
Close Date: **2/10/2025**
Grant Amount: \$74,621.00
Non-federal Match:
Total Amount: \$74,621.00

2025 Clean Water Planning

in progress

Illicit Discharge Detection and Elimination for Saint-Armand, Quebec

Project Summary

As part of a Missisquoi Bay watershed approach, this proposed project includes mapping of the stormwater infrastructure network and initial testing of the stormwater outfalls with the purpose of locating cross connections from wastewater infrastructure or other pollution sources (non-storm discharges) in the municipality of Saint-Armand, Quebec; while illicit discharge studies have been completed in most Vermont communities, this is not the case in the Canadian portion of the watershed. Stormwater and, to the extent possible, sanitary sewer infrastructure will be mapped for the municipality utilizing any existing mapped data, engineering plans, and field data collection methods. The data to be collected includes catchbasins, manholes, culverts, swales, outfalls, pipes, and other features, and this information will be used to develop a comprehensive storm and sanitary sewer infrastructure GIS database and provided to the municipality to be used for future asset management utilizing mobile technologies to optimize utility inspection and maintenance operations. This data will be used to complete an illicit discharge detection and elimination (IDDE) study, which is focused on identifying and eliminating non-storm discharges to the stormwater system or other surface waters.

Outputs:

stormwater infrastructure database, a web map of stormwater infrastructure, results and summary report of stormwater outfall dry weather survey including the results of up to three bracket sampling investigations and recommendations for intervention to correct illicit discharges, community outreach materials including a handout and press release, and identification of preliminary locations for potential stormwater best management practices (BMPs).

Outcomes:

Reduced phosphorus loading to Lake Champlain's Missisquoi Bay through the Rock River, more informed public on illicit discharges and phosphorus levels in the Missisquoi Bay watershed.

Organization: Watershed Consulting Associates, LLC
Contact Person: Andres Torizzo

Mailing Address: 208 Flynn Ave, Suite 2H
 Burlington, VT 05406

Phone: 802-497-2367

E-mail: Andres@watershedca.com

Website: <https://watershedca.com/>

NEIWPCC Code: L-2025-013
EPA: 0373-002-001
Start Date: 04/14/2025
Close Date:
Grant Amount: \$73,012.00
Non-federal Match:
Total Amount: \$73,012.00

2022 Planning Grant

in progress

Lamoille Basin Planning Prioritize Basin-wide Conservation and Restoration Opportunities

Project Summary

VRC will Identify and refine priority stream reaches, floodplains, and wetlands in the sub-watersheds of the Lamoille River Basin by conducting detailed sub-watershed analyses to prioritize site-specific conservation and restoration projects. We will ground-truth findings and listen to community members, fostering relationships with landowners and communities that are essential to building the socio-political backing to move towards implementation. We will share final prioritized sub-watershed reports, maps, and photos with state, regional, and local partners.

Outputs:

- Database of existing assessments, river corridor plans, and geospatial information of Lamoille HUC 12 sub-watersheds
- Detailed sub-watershed reports with priority stream reaches, floodplains, and wetlands identified for protection and restoration on geospatially referenced maps
- Map of identified conservation priorities in certain Lamoille sub-watersheds
- 5 ground truthing site visits
- 6 community and/or partner sharing conversations/ meetings

Outcomes:

- future protection and restoration projects can provide the greatest benefits for clean water, healthy ecosystems, flood resilience, and recreational access

Organization: Vermont River Conservancy

Contact Person: Erin Devries

Mailing Address:

Phone:

E-mail: erin@vermontriverconservancy.org

Website: vermontriverconservancy.org



VRC staff in the field reviewing river corridor easements with landowners.



NEIWPCC Code: LS-2024-074

EPA 0368-002-001

Start Date 5/21/2024

Close Date:

Grant Amount: \$47,254.00

Non-federal Match:

Total Amount: \$47,254.00

2022 Planning Grant

concluded

New York Non-Point Source Subwatershed Assessment Plan Update

Project Description

The Lake Champlain Lake George Regional Planning Board will update the 2018 *Lake Champlain Non-Point Source Pollution Subwatershed Assessment and Management Plan*. Staff will update all relevant information included in the original plan as well as provide updates on completed projects and compile a list of new priority projects to improve water quality throughout the subwatershed. Outputs from this project include five public outreach events, stakeholder interviews, a public survey, a compilation of new water quality improvement projects and a completed plan update document. Outcomes include better informed municipalities, Departments of Public Works (DPWs), and other watershed partners regarding what projects need to be completed to achieve water quality improvements. This document will also provide a benefit to watershed municipalities and partners when pursuing implementation funding for water quality concerns.

Outputs:

- five public outreach events, stakeholder interviews, and a public survey
- compilation of new water quality improvement projects
- completed plan update document.

Outcomes:

- better informed municipalities, Departments of Public Works (DPWs), and other watershed partners regarding what projects need to be completed to achieve water quality improvements.

Organization:	LCLGRPB
Contact Person:	Allison Gaddy
Mailing Address:	PO Box 765 Lake George, NY 12845
Phone:	(518) 668-5773
E-mail:	allison.gaddy@lclgrpb.org
Website:	www.lclgrpb.org



NEIWPCC Code:	LS-2022-017
EPA	0357-002-001
Start Date:	3/8/2022
Close Date:	12/16/2024
Grant Amount:	\$ 47,785.00
Non-federal Match:	
Total Amount:	\$47,785.00

2022 Planning Grant

in progress

Pioneer Village Association Stormwater Planning

Project Summary

The objective of this project is to configure a whole system engineered design solution that will control stormwater from 9N to the Lake George shoreline on the association's 40-acre property. The output is a final design plan and short report that is construction ready and will have an outcome of reduced erosion and pollutant loads entering Lake George. The engineer will work with the homeowner's association, Warren County Soil & Water, and LGA to review existing stormwater problems, past solutions, and develop new solutions that will accommodate current and future rainfall events. The final design plans will be used to move forward with implementation of the projects or to seek funding opportunities.

Outputs:

- construction ready design plan

Outcomes:

- reduced erosion and pollutant loads entering Lake George.

Organization: Lake George Association

Contact Person: Monika LaPlante

Mailing Address: PO Box 408
Lake George, NY. 12845

Phone: 518-920-4011

E-mail: mlaplante@lakegeorgeassociation.org

Website: lakegeorgeassociation.org



Past Project: Dry well and trench drain installation (not at POV).



NEIWPCC Code: LS-2024-069

EPA 0368-002-001

Start Date 7/12/2024

Close Date:

Grant Amount: \$50,000.00

Non-federal Match: \$ 4,280.00

Total Amount: \$54,280.00

2022 Planning Grant

concluded

Planification for the Realization of Ecological Corridors Along Agricultural Streams in the North-western Part of the Missisquoi Bay Watershed

Project Summary

The project consists in studying the most agricultural part of the Missisquoi Bay watershed in order to determine how to connect together isolated forested ecosystems with tree plantations along the streams. The objective is to know where and how to intervene in order to connect those ecosystems while reducing the pressure on the streams with riparian strip plantations. This project would contribute directly to the already existing action plan of the regional planification of natural habitat (Plan régional des milieux naturels). The main output will be a detailed and mapped territory analysis and planification containing all the information needed in order to proceed with the plantations along the streams.

Outputs:

- detailed and mapped territory analysis and planification containing all the information needed in order to proceed with the plantations along the streams

Outcomes:

- connect isolated forested ecosystems with riparian tree plantings along the streams

Organization: Organisme de bassin versant de la baie Missisquoi

Contact Person: Anthoni Barbé

Mailing Address: 110 Rue de la Rivière
Bedford, QC J0J 1A0

Phone: 450 248-0100

E-mail: projet@obvbm.org

Website: obvbm.org



Agricultural stream in Ste-Sabine with no riparian strip



NEIWPCC Code: L-2024-070
GLFC 0100-339-002
Start Date: 5/21/2024
Close Date: 12/11/2025
Grant Amount: \$46,645.00
Non-federal Match: \$ 7,958.00
Total Amount: \$54,603.00

2025 Clean Water Planning

in progress

Remote sensing and managing soil covers to reduce soil erosion
and phosphorus loadings to Lake Champlain Basin

Project Summary

Managing soil covers with crop residues and plants is essential to reduce soil erosion and phosphorus loadings in the Missisquoi Bay and the Lake Champlain basin. A previous project in Southern Québec has demonstrated the ability of satellite remote sensing using ground training to detect these different soil covers (CarTeCos project Niang and Homayouni, 2023). Ground training is also an occasion to raise awareness towards the importance of protecting soils during winter, discuss BMPs and plan interventions at the watershed level.

Outputs:

- Development of a tool kit to provide spatial representation of anti-erosive soil protection measures for farmland in most intensive production area of the Missisquoi Bay watershed
- optic satellite imagery data (SENTINEL-2) to spatially represent the history of crop rotation
- Digital images of soil surfaces and coverages to evaluate the existing model's performance and eventually provide new training data sets.
- interactive network involving local farm managers, OBVBM, and IRDA will provide test sites, validate the modeling results and discuss the operational and environmental implications of soil protection through cover cropping and crop residue.

Outcomes:

- increase the farming community's awareness of soil cover following crop harvest
- increase in protected soil acreages during winter and early spring periods reducing surface runoff and sediment and phosphorus loadings.
- discontinued fall tillage after soybean, and grain corn on sandy to loamy soils, the transition from moldboard ploughing to minimum tillage of clay soils under grain corn, and introduction of winter cereals under seeded with cover crops in cash crop rotations of MB watershed.

Organization: Institut de recherche et de développement en agroenvironnement (IRDA)

Contact Person: Marc-Olivier Gasser

Mailing Address: 2700 Einstein
Quebec City, QC G1P3W8

Phone: 418-643-2380

E-mail: marc-o.gasser@irda.qc.ca

Website: <https://www.irda.qc.ca/en/>

NEIWPCC Code: L-2025-025
GLFC: 0100-340-002
Start Date: 04/29/2025
Close Date:
Grant Amount: \$99,975.00
Non-federal Match: \$15,309.00
Total Amount: \$115,283.00

2025 Clean Water Planning

in progress

Riparian buffers and river corridors : 2025-2027 planning

Project Summary

The OBVBM will be moving forward with riparian plantings and hydro-agricultural works alongside critical waterways, streams and rivers to shelter them from sediment and fertilizer runoff. An updated approach to riparian buffers is required in order to connect with more farmers and foster a deeper and long-lasting connection with their watershed. The OBVBM will be implementing a 23-mile network of riparian buffers and river corridors in the upcoming years, focusing on Missisquoi Bay, Rock River and Pike River sub-watersheds. Planting of riparian buffers (trees, shrubs and herbaceous filter strips) will be combined with installation of hydro-agricultural works where drainage ditches connect to waterways to reduce sediment and phosphorus pollution. The riparian buffer network is being designed to match the Ecological Corridors project, supported by the LCBP and now entering its final design phase. The buffer width will vary depending on each site, but we expect a range of 10 to 16 feet (in addition to the mandatory 10 foot buffer).

Outputs:

- Review of implementation and maintenance plan for an estimated 23-mile long network of riparian buffers
- Financial plan for long-term maintenance of riparian buffers
- List of committed farms / Details of plantings, dimensions and budget for each section / List of hydro-agricultural works with detailed sizing assessments / Implementation work plan

Outcomes:

- sediment and phosphorus pollution reduction
- Farmers commitment to accept and facilitate the implementation of riparian buffers (current estimate is 72 farms)
- Increased OBVBM preparedness for designing and managing riparian buffers implementation and maintenance

Organization: Organisme de bassin versant de la baie Missisquoi
Contact Person: Aurelien Pochard
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Bedford, QC J0J1A0
Phone: 450-248-0100
E-mail: aurelien.pochard@obvbm.org
Website: <https://obvbm.org/>

NEIWPCC Code: LS-2025-008
GLFC: 0100-340-002
Start Date: 03/13/2025
Close Date:
Grant Amount: \$93,604.00
Non-federal Match: \$30,093.00
Total Amount: \$123,697.00

2022 Planning Grant

in progress

Silver Bay Water Quality Protection Project

Project Summary

Two site locations of concern are found at Silver Bay YMCA. Firstly, Water Plant Road is significantly impacted by storm events which cause road erosion, deposition onto Route 9N and flow into the roadside drainage ditch, which conveys materials and excess stormwater through campus into Lake George. This project addresses a water quality concern in Lake George, along with initiating sustainability of infrastructure. Secondly, at Slim Point the YMCA is seeking to reduce its carbon footprint in a heavily utilized location, to increase biodiversity and develop riparian improvements along the Lake George shoreline and a wooded wetland. Each location will have a specific plan and design intended to remediate the issues at both locations, which will include a reduction in maintenance, reduction in stormwater runoff and improvement of habitats through low-impact development (LID) and green infrastructure techniques.

Outputs:

- Phase 1: plan and design development
- Phase 2: construction level design

Outcomes:

- reduction in stormwater runoff
- improvement of habitats through low-impact development (LID) and green infrastructure techniques.

Organization:	Warren County SWCD
Contact Person:	Jim Lieberum
Mailing Address:	394 Schroon River Road Warrensburg NY 12885
Phone:	518.623.3119
E-mail:	jiml@warrenswcd.org
Website:	www.warrenswcd.org

NEIWPCC Code:	LS-2024-071
EPA	0368-002-001
Start Date	7/12/2024
Close Date:	
Grant Amount:	\$ 61,265.00
Non-federal Match:	\$ 6,000.00
Total Amount:	\$67,265.00



2022 Planning Grant

in progress

Stormwater and Stream Project Development in the Poultney Mettowee Watershed

Project Description

Poultney Mettowee NRCD (PMNRCD) will work with the Lake St Catherine Association (LSCA), a hired consultant and local partners to develop 10-12 stormwater projects identified in the 2019 Lake St Catherine Stormwater Master Plan to 100% design and 8-10 stream and floodplain restoration and conservation projects identified in Phase 2 Stream Geomorphic Assessments to 30% design within the Poultney Mettowee watershed. This project development will efficiently prepare a suite of projects in a subsection of the South Lake Watershed for implementation through the formula grants being provided to Vermont Clean Water Service Providers in 2023.

Outputs:

- 10 to 12 high quality stormwater projects designed to 100% and ready to implement upon securing funds
- Prioritized list of stream and floodplain restoration/conservation projects from Phase 2 Stream Geomorphic Assessments
- 8-10 stream and floodplain restoration/conservation projects designed to 30% conceptual design standards

Outcomes:

- involvement of local landowners throughout the process including during project prioritization
- informed community that is supportive of clean water project implementation
- increased capacity for project implementation at the PMNRCD and LSCA
- more efficient South Lake Clean Water Service Provider rollout
- decreased phosphorus loading into local streams and Lake Champlain

Organization: Poultney- Mettowee NRCD

Contact Person: Hilary Solomon

Mailing Address: PO Box 209
Poultney VT 05764

Phone: (802) 558-3515

E-mail: hilary@pmnrcd.org

Website: www.pmnrcd.org



Stormwater project implementation in Wells, VT



NEIWPCC Code: LS-2022-063

EPA 0357-002-001

Start Date 6/23/2023

Close Date:

Grant Amount: \$100,000.00

Non-federal Match: \$ 9,400.00

Total Amount: \$109,400.00

2022 Planning Grant

concluded

Stormwater Reduction in the Town of Proctor

Project Description

In an effort to reduce stormwater runoff in the Otter Creek watershed the RNRCD will hire an Engineering Consultant to develop a Stormwater Master Plan (SWMP) for the Town of Proctor. The goal of this project is to work with the Town of Proctor on minimizing stormwater volume by developing a Stormwater Master Plan. The overall objective of this project is to provide the Town of Proctor with a strategic approach for meeting stormwater management needs in the Otter Creek watershed, in order to address pressing water resource concerns in an efficient and targeted manner.

Outputs:

- development of a Stormwater Master Plan

Outcomes:

- reduced stormwater runoff

Organization: Rutland NRC

Contact Person: Nanci McGuire

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Rutland, VT 05701

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Website: <https://www.vacd.org/conservation-districts/rutland/>



NEIWPCC Code: LS-2022-033
EPA 0357-002-001
Start Date: 4/12/2022
Close Date: 10/8/2024
Grant Amount: \$37,132.00
Non-federal Match:
Total Amount: \$37,132.00

2025 Clean Water Planning

in progress

Stormwater Runoff Mitigation Planning - Rogers Park & Beach

Project Summary

The Town seeks to identify and evaluate opportunities to reduce stormwater runoff from a highly impervious area, located in Rogers Park along Lake George. Stormwater runoff from Roger's Park and portions of NYS Route 9 in the Hamlet of Bolton Landing flows untreated to Lake Goerge. This can certainly impact the lakes water quality which range from excess nutrient loading, sediment, bacteria, hydrocarbons and thermal pollution. This proposed planning project will seek to identify and evaluate opportunities to reduce stormwater runoff from developed this highly impervious land use area. A planning report will be developed that will identify locations for improvement that can include: stormwater infiltration, retention and filtration, identify site constraints such as buried utilities, bed rock locations and to identify opportunities for private landowners to play a positive role with runoff improvements . This runoff generation area is a challenging site due to historic and recent past development. With the recent rainfall events that our area has experienced, runoff concerns will only be exacerbated and will continue to negatively impact the water quality of Lake George.

Outputs:

- Development of an engineering report that can be utilized to seek funding for implementation of recommendations.
- Quality Assurance Project Plan (QAPP)
- Final Request for Proposals (RFP)

Outcomes:

- Better informed local leaders of the solutions to stormwater runoff in a highly developed shoreline area, along Lake George.
- Identify solutions that will lead to a reduction in nutrient loading and contaminants into Lake George.

Organization: Town of Bolton
Contact Person: Chris Belden, AICP
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 Bolton Landing, NY 12814
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NEIWPCC Code: LS-2025-078
EPA: 0373-002-001
Start Date: 07/07/2025
Close Date:
Grant Amount: \$50,000.00
Non-federal Match: \$1,000.00
Total Amount: \$51,000.00

2023 Planning Grant

in progress

Sucker Brook Phosphorus Loading Assessments

Project Description

Conduct Phase 2 Rapid Geomorphic Assessment (RGA) of the North Branch of Sucker Brook to assess sources of sediment and identify actions to reduce sediment and phosphorus (P) loading to Lake Dunmore and Otter Creek and make measurements of this loading from the Sucker Brook/Dutton Brook watershed.

Outputs:

- a report assessing streambank erosion risk from North Sucker Brook and 2+ years of flow, turbidity and total phosphorus (TP) measurements on Sucker Brook.

Outcomes:

- better understanding of phosphorus loading into Lake Dunmore to guide future mitigation actions
- reduction of nutrient inputs from forested lands

Organization: Lake Dunmore Fern Lake Association (LDFLA)

Contact Person: David Johnson

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Leicester, VT 05733

Phone: 609-203-9242

E-mail: dawajo48@gmail.com

Website: LDFLA.com



NEIWPCC Code: LS-2023-016

EPA 0364-002-001

Start Date 4/7/2023

Close Date:

Grant Amount: \$22,300.00

Non-federal Match: \$10,630.00

Total Amount: \$32,930.00

2023 Planning Grant

in progress

Warren County Culvert Assessments and Asset Management Plan

Project Description

The Warren County Department of Public Works (DPW) will hire an engineering firm to perform a comprehensive assessment of the county's culverts within the Lake Champlain watershed. The objective of the project is to gain comprehensive knowledge of the county's culvert assets and ascertain each culvert's risk of failure.

Outputs:

- assessment and prioritization of culverts for repair/ replacement and include the data in the county's digital asset management program

Outcomes:

- reduction in the number of culvert collapses and emergency culvert and streambank repairs.

Organization:	Warren County
Contact Person:	Kevin Hajos
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E-mail:	khajos@warrencountypw.com
Website:	www.warrencountyny.gov



NEIWPCC Code:	LS-2023-041
EPA	0364-002-001
Start Date:	8/22/2023
Close Date:	
Grant Amount:	\$75,000.00
Non-federal Match:	\$ 7,650.00
Total Amount:	\$82,650.00

2025 Clean Water Planning

in progress

Wastewater Treatment System Design for Phosphorus Reduction

Project Summary

The Town of Crown Point needs an Engineer to develop a Final Design for a Sequencing Batch Reactor (SBR) Wastewater Treatment Plant to replace the currently failing, Rotating Biological Contactor (RBC) Plant. The Sequencing Batch Reactor Wastewater Treatment Plant is listed as the highest quality treatment mechanism and is listed in the Town's Order on Consent by the New York State Department of Environmental Conservation to reduce phosphorus, ammonia and nitrogen from entering Lake Champlain.

Outputs:

- Final Design of the WWTP that will be submitted to New York State Department of Environmental Conservation (DEC) for review and approval. The Design will eventually lead into the construction phase. This Output is required by the NYS DEC.
- document that gives the Town the ability to develop plans and specifications for construction bidding procedures. Upon approval, the Town will move forward with the next phase of the project.

Outcomes:

- Reduction of phosphorus, ammonia and nitrogen entering Lake Champlain.

Organization: Town of Crown Point
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Crown Point, NY 12928
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E-mail: Jessica.DesLauriers@essexcountyny.gov
Website: <https://townofcrownpointny.gov/>

NEIWPCC Code: LS-2025-063
EPA: 0373-002-001
Start Date: 04/29/2025
Close Date:
Grant Amount: \$100,000.00
Non-federal Match: \$5,000.00
Total Amount: \$105,000.00

2025 Clean Water Planning

in progress

Wood Creek - Champlain Canal Subwatershed Management Plan

Project Summary

The Wood Creek – Champlain Canal Subwatershed Management Plan will identify pollutant sources within the HUC-12 subwatershed, including, but not limited to, stormwater runoff, roadside and streambank erosion, and agriculture, and identify projects which will be prioritized to optimize pollutant reduction in tributaries to the Lake Champlain Canal. This subwatershed is one of the last watersheds on the New York side of the Lake Champlain Basin without a designated watershed management plan, resulting in reactive implementation instead of proactive water quality improvements. To address this, the LCLGRPB will work with state, county, and local partners to create a comprehensive watershed management plan to address pollutant loading into tributaries to the Champlain Canal. Land use, erosion, stormwater runoff, and agriculture are all impacting water quality in this subwatershed, and a concerted effort to define implementation projects for water quality improvements is the goal of this planning effort. This includes pollutant load reductions calculated using the NYS DEC Reduction Calculator. Community outreach events and a public survey will also be used to help inform project development.

Outputs:

watershed management plan that outlines the sources of water quality degradation, recommendations to reduce pollution inputs into the surface waters, calculated pollutant load reductions, and at least three project profiles that include preliminary engineering. These will be used to advance implementation of priority projects, as determined by the communities.

Outcomes:

more thorough understanding of pollutant sources and inputs within this HUC-12 subwatershed, resulting in better informed community leaders landowners and the general public. By completing this plan, resource managers and decision makers will be given an implementation roadmap to improve water quality in the subwatershed.

Organization: Lake Champlain - Lake George Regional Planning Board

Contact Person: Beth Gilles

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Lake George, NY 12845

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Website: <https://www.lclgrpb.org>

NEIWPCC Code: LS-2025-002

EPA: 0373-002-001

Start Date: 03/06/2025

Close Date:

Grant Amount: \$91,220.00

Non-federal Match:

Total Amount: \$91,220.00

2024 Research Grant

in progress

Agricultural Drainage Research Plots for the Evaluation of Conservation Practices

Project Description

Miner Institute will install a research location consisting of 12 plots that will be designed and instrumented for year-round, flow-proportional sampling of surface runoff and tile drainage. Each 0.19-acre plot will be equipped with a manhole at the corner of each plot to which flow will be routed and measured. Insulated fiberglass equipment enclosures will house the monitoring equipment alongside the manhole. Sampling will begin immediately following the completion of this project with funding from Miner Institute and field management decisions for a baseline monitoring period will be determined in conjunction with an advisory committee that will be convened in early 2024. The initial monitoring period (~2 years) will enable the characterization of baseline conditions and variability amongst experimental plots to lay the foundation for future evaluation of dairy forage production strategies on field hydrology and nutrient and sediment losses from poorly drained cropland. The primary output will be the fully instrumented research location that will provide the cropland and monitoring resources for the future evaluation of practices aimed towards enhancing soil health and water quality, such as tillage practices, manure application methods and timing, and cover crop species comparisons.

Outputs:

- installation of a research location consisting of 12 plots that will be designed and instrumented for year-round, flow-proportional sampling of surface runoff and tile drainage.

Outcomes:

- reduced loading of phosphorus (P) and nitrogen (N) from cropland to surface waters water quality impacts of soil health practices, including no-till and cover cropping

Organization: Miner Institute

Contact Person: Laura Klaiber

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Chazy, NY 12921

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E-mail: Klaiber@whminer.com

Website: whminer.com



Field selected for drainage plot installations following planting in spring 2023.



NEIWPCC Code: LS-2024-026

EPA 0368-002-001

Start Date 4/18/2024

Close Date:

Grant Amount: \$300,000.00

Non-federal Match: \$ 71,500.00

Total Amount: \$371,500.00

2023 Research Grants

in progress

Biological Index Development: A “Three-legged Assessment Stool” for Lakes within the Lake Champlain Basin

Project Summary

Tetra Tech will use existing biological data, supplemented by additional sampling, to create three indices of biological integrity (IBIs) – for diatoms, macroinvertebrates, and macrophytes – that qualify the condition of inland lakes within the Lake Champlain Basin. Tetra Tech will coordinate with VT DEC and NYSDEC to find opportunities to establish or continue monitoring that would enhance applications of the “three-legged biological assessment stool” in this basin. NY has a long-standing history of biological assessment and established standard operating procedures that inform integrated reporting efforts. This project and its deliverables may be informative for development of broader statewide monitoring and analytical tools in NY but will not be directly applicable to NY integrated reporting and no reports of biological condition will be made for NY waterbodies.

Outputs:

- technical documentation and databases
- R-Shiny-based IBI calculator tools
- non-technical educational content such as an ArcGIS StoryMap.

Outcomes:

- will aid resource managers to determine which lakes and sub-watersheds are in need of pollution interventions and prioritize allocation of limited resources to places and projects that are most likely to make the largest improvement in water quality in individual lakes and in the entire LCB

Organization: Tetra Tech

Contact Person: Benjamin Jessup

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Montpelier, VT 05602

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Website: <https://www.tetrattech.com/en/one-water>



Lakes, like this one, scattered across the Lake Champlain Basin will be sampled for this project.



NEIWPCC Code: L-2023-006
EPA: 0364-003-001
Start Date: 4/4/2023
Close Date:
Grant Amount: \$295,000.00
Non-federal Match:
Total Amount: \$295,000.00

2025 Research for Clean Water

in progress

Cyanotoxins and cyanobacteria biomass: investigating incongruities in Lake Champlain

Project Summary

This research project will integrate metagenomics and metatranscriptomics with a field sampling campaign and experimental manipulations to investigate why cyanotoxin concentrations are decoupled from biomass during cyanobacteria blooms in Lake Champlain. Specifically it will address three primary questions: 1) Do the dominant bloom forming Cyanobacteria possess anatoxin and microcystin producing genes in Lake Champlain? 2) What influence do increasing nutrients and temperature have on cyanotoxin production? 3) Using daily sampling of cyanotoxins, when are cyanotoxin concentrations highest during cyanobacteria blooms? Cyanobacteria blooms vary both spatially and temporally across Lake Champlain, with the northeastern arm receiving the most frequent and severe blooms, yet cyanotoxin concentrations do not always scale with bloom intensity.

Outputs:

- two manuscripts to be published in peer-reviewed journals.
- presentation to influence management decisions on reducing bloom severity and toxicity.
- collaborate with the Lake Champlain Basin Program and Lake Champlain Sea Grant's Watershed Alliance to spread awareness about cyanobacteria blooms and the risk of cyanotoxins to K-12 students and their teachers
- create educational pamphlets on the risk of blooms to be shared at boat launches, parks, and camps that frequently are exposed to toxic cyanobacteria blooms. As a result of these outputs, our work will.

Outcomes:

- advance ability to predict and manage cyanotoxins during cyanobacteria blooms, which will contribute to safer recreational and drinking water in Lake Champlain
- enhance understanding of cyanotoxin dynamics in Lake Champlain and inform management practices.

Organization: University of Vermont
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Burlington, VT 05405
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Website: <https://www.uvm.edu/spa>

- enhance understanding of drivers of cyanotoxin production in Lake Champlain cyanobacteria blooms how they may change under a warming climate.
- potential to limit summer beach closures and reduce human exposure to harmful cyanotoxins through drinking water sources. Our research will be disseminated into the broader scientific community and can be broadly applicable to other lakes, globally.
- public may become more informed on cyanobacteria blooms, which can further reduce the risk associated with cyanotoxin exposure.

NEIWPCC Code:	LS-2025-152
EPA:	0374-002-00
Start Date:	02/10/2026
Close Date:	
Grant Amount:	\$398,713.00
Non-federal Match:	
Total Amount:	\$398,713.00

2025 Research for Clean Water

in progress

Dam Removal Impacts on Fine Sediment Erosion and Transport

Project Summary

To understand whether dam removal is likely to release phosphorus to Lake Champlain, we will quantify sediment and phosphorus fluxes from two removals and conduct a spatial analysis to rate potential impacts from dam removal candidates in Vermont. We will take a two-pronged approach, with intensive monitoring of two dam removals slated for 2026-2027, accompanied by a spatial analysis of potential impacts resulting from dam removals in the Vermont portion of the Lake Champlain basin. This study will quantify the sediment released from the removal of two dams and seek to characterize any geomorphic change in close proximity to the dam sites. We will also characterize the relationship between the suspended sediment, discharge, and phosphorus. Informed by our field results and existing datasets (e.g., geology, land use), we will rate the potential phosphorus release and the likelihood of it reaching Lake Champlain from dam removal candidate sites. There is a critical need for data to understand the P and fine sediment impacts of current dam removal practices and regulation in the Lake Champlain basin.

Outputs:

- technical memos, including maps and timelines for dam removals and research stages at two sites
- publicly-released aerial imagery, LIDAR, sediment, and water quality datasets collected pre- and post-removal at two sites calculated volume of sediment and P eroded from the reservoir site following dam removal and maps of any new bars within 2.5 km of the dam site within 1-2 years of removal
- calculated sediment and P fluxes through the reservoir site and downstream reaches for pre-removal and 1-2 year post-removal periods
- GIS analysis of the potential for sediment and P release impacting Lake Champlain from dam removal candidate sites 3+ project updates to the Vermont Dam Removal Task Force and community-facing fact sheets
- 2 peer-reviewed articles on the research.

Organization: University of Vermont
Contact Person: Anne Jefferson

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Burlington, VT 05405
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Website: <https://www.uvm.edu>

Outcomes:

- Increased understanding of fine sediment transport and phosphorus release resulting from dam removals in the Lake Champlain Basin.
- Dam removal practice and regulations in the Lake Champlain basin are informed by scientific data on impacts of dam removal on sediment and phosphorus release.
- Organizations undertaking or funding dam removal have access to information on likelihood of sediment and phosphorus impact on downstream water bodies.
- Increased efficiency and predictability in designing, permitting, and implementing dam removal projects with fine sediment in the Lake Champlain Basin.
- If dam removal is not found to be a significant source of phosphorus release, improved economics for implementation of fine sediment dam removal projects within the Lake Champlain Basin.

NEIWPCC Code: LS-2025-139
EPA: 0374-002-001
Start Date: 02/04/2026
Close Date:
Grant Amount: \$397,547.00
Non-federal Match:
Total Amount: \$397,547.00

2022 Research Grants

in progress

Discovery Acres: A Water Quality Research and Education Site in the St Albans Bay Watershed

Project Summary

Discovery Acres is a research demonstration site on an active dairy farm in northwestern Vermont, that will provide farmers with important, place-specific information about the impacts of best management practices on water quality and soil health. Specifically, Discovery Acres will help increase our understanding of environmental stewardship on tile-drained fields in Vermont and expand sub-watershed monitoring. Knowledge gained from Discovery Acres will be used to provide technical assistance to local organizations to implement edge-of-field and sub-watershed monitoring. Farmers in Vermont will also have a better understanding of the impact of cover crop termination methods and manure management strategies on water quality, soil health metrics, and crop viability. As a result of data gathered and outreach provided, we can expect farmer behavior to change and therefore increase water quality in the Lake Champlain Basin by reducing nutrient and pesticide loss through surface runoff and tile drainage.

Outputs:

- knowledge gained from Discovery Acres will be used to provide technical assistance to local organizations to implement edge-of-field and sub-watershed monitoring

Outcomes:

- increased understanding of environmental stewardship on tile-drained fields in Vermont and expand sub-watershed monitoring
- increase water quality in the Lake Champlain Basin by reducing nutrient and pesticide loss through surface runoff and tile drainage

Organization: UVM & State Agricultural College

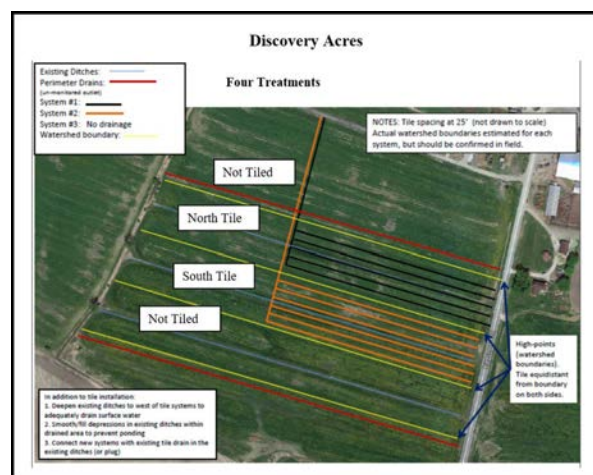
Contact Person: Heather Darby

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St. Albans, VT 05478

Phone: 802-524-6501

E-mail: heather.darby@uvm.edu

Website: <https://www.uvm.edu/extension/nwcrops>



NEIWPCC Code: LS-2023-035

EPA: 0364-002-001

Start Date: 4/14/2023

Close Date:

Grant Amount: \$300,000.00

Non-federal Match:

Total Amount: \$300,000.00



2024 Research Grant

in progress

Investigation of Cyanobacterial Blooms in Inland Lakes of the Lake Champlain Basin

Project Description

This project will utilize a combination of neo- and paleolimnological approaches to improve our understanding of cyanobacteria bloom formation and toxicity on inland lakes within the Lake Champlain Basin, with a specific emphasis on the relative role of climate change in driving bloom on these lakes. Additionally, the project will improve the regional system of cyanotoxin testing on inland lakes by advancing A WI's cyanotoxin testing work within the region.

Outputs:

- Field, lab and work: bi-weekly sample collection from six waterbodies, data analysis
- paleolimnology work: sediment core collected and analysis using Pb-210 dating

Outcomes:

- improved understanding of cyanobacteria bloom formation and toxicity on inland lakes within the Lake Champlain Basin

Organization: Paul Smith's College Adirondack Watershed Institute AWI

Contact Person: Chelsea Smith

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Paul Smiths, NY 12970

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Website: www.adkwatershed.org



A lake wide harmful algal bloom persisted on Whey Pond for several weeks during the summer and fall of 2022 (top) The bloom was dominated by Dolichospermum (pictured) and Microcystis (bottom).



NEIWPCC Code: LS-2024-012
EPA 0368-002-001
Start Date: 5/29/2024
Close Date:
Grant Amount: \$296,450.00
Non-federal Match: \$ 71,040.00
Total Amount: \$367,490.00

2024 Research Grant

in progress

Nutrient Loading to Headwater Streams in the Lake Champlain Basin: Controls of Forest Age and Management

Project Description

This project will study the variability of phosphorus (P) and nitrogen (N) in runoff from mature (late-successional, >100 years since major disturbance) and younger (mid-successional, 30-50 years of regrowth) northern hardwood forests during hydrological events throughout the year. It is expected to be able to evaluate the balance between the separate benefits conferred by young forests and older forests in terms of preventing nutrient losses to downstream waters, and ultimately Lake Champlain. More specifically, a younger forests has a greater sink for P and N through net biomass accumulation, while an older forests' more complex structure and larger volume of woody debris can contribute to flood resilience and mitigation of (P-containing) sediment transport. At the end of the project, our products will include extensive outreach materials, including a general audience article, as well as several peer-reviewed articles geared toward high-impact journals.

Outputs:

- list and map of project sites with delineated areas calculated from ArcGIS.
- laboratory and data analysis of forest surveys, stream gauging measurements, and water quality sampling
- school visits and development and implementation of outreach plan targeting K-12 education and a broad range of stakeholders.

Outcomes:

- prevention of nutrient losses to downstream waters, and ultimately Lake Champlain

Organization: Research Foundation For State University of New York

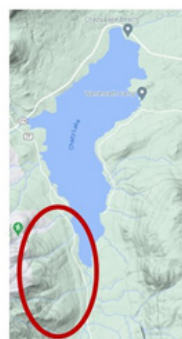
Contact Person: Colin Fuss

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Website:



It is anticipated to use sites in 100% forested catchments on the southwest side of Chazy Lake, where some forest harvesting has been done in recent decades.



NEIWPCC Code: LS-2024-023
EPA 0368-002-001
Start Date 7/25/2024
Close Date:
Grant Amount: \$106,896.00
Non-federal Match: \$ 84,657.00
Total Amount: \$191,553.00

2024 Research Grant

in progress

Pelagic, Tributary, and Shoreline Microplastics in Lake Champlain: Sources and Dynamics

Project Description

This project will investigate the sources and pathways of microplastics in the Lake Champlain Basin. Samples will be collected from the pelagic zone and tributaries of Lake Champlain, as well as its shoreline. These efforts will lead to the most comprehensive study of microplastic pollution in Lake Champlain to date and provide opportunities to engage citizens and local government to limit plastic pollution in Lake Champlain.

Outputs:

- field and laboratory/data analysis
- microplastic collection events
- artist collaboration with plastic debris
- development of fact sheets

Outcomes:

- decrease plastic pollution in Lake Champlain

Organization: SUNY Plattsburgh

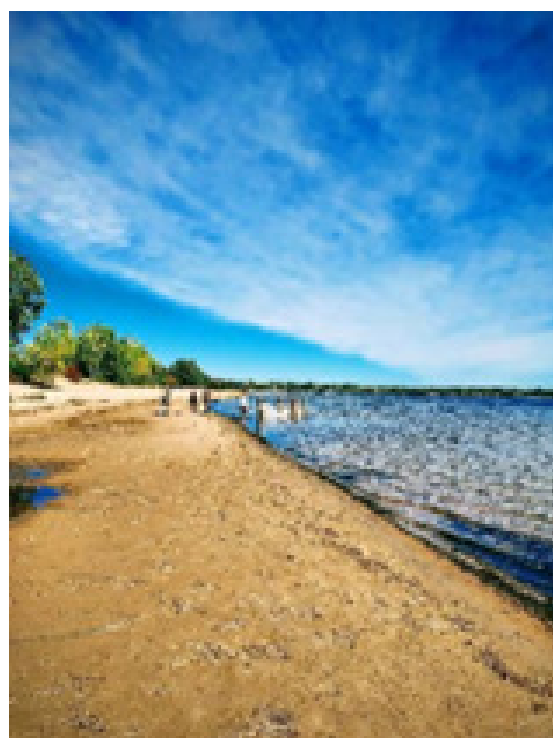
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Website:



NEIWPCC Code: LS-2024-062

EPA 0368-002-001

Start Date: 7/25/2024

Close Date:

Grant Amount: \$265,000.00

Non-federal Match: \$ 80,001.00

Total Amount: \$345,001.00

2025 Research for Clean Water

in progress

Sediment release index to support dam removal projects

Project Summary

Stone will develop a multi-factor index to characterize potential sediment release approaches in dam removal design projects and will apply this in a geospatial analysis to the Lake Champlain Basin. This project will develop a multi-factor index on known dams in the Lake Champlain Basin that could be used to inform project managers and stakeholders concerning the appropriate amounts of impounded sediment to remove or release during dam removal projects. We will review existing literature and resources to identify key factors in multiple categories such as dam and impoundment characteristics (where examples of factors include dam dimensions and condition, estimated sediment volumes, etc.), stream geomorphology and habitat characteristics (e.g., connectivity scores, stream power), watershed characteristics and community factors (e.g., potential sources of sediment contamination), as well as sediment removal costs. We are aware of other dam screening and information tools: these efforts will not be replicated but will be leveraged and built upon with a focus on aspects critical to making informed decisions related to sediment release/removal from these projects. The proposed effort will provide a publicly available basin-scale geospatial dataset that provides information that could be used at a screening level to plan potential sediment management approaches for dam removal projects.

Outputs:

- PAC identified, PAC kickoff meeting and documented minutes
- Literature review report
- Methodology development report, including identification of key indicators and associated data layers, PAC meeting and documented minutes
- Intermediate data layers and metadata
- Draft index spatial layer and metadata, Draft project final report, PAC meeting and documented minutes
- Final index spatial layer and metadata, Final project final report, PAC/TAC presentation

Organization: Stone Environmental, Inc.
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 Montpelier, VT 05602
Phone: 802-229-4541
E-mail: marpino@stone-env.com
Website: <https://www.stone-env.com>

Outcomes:

- Basin-level information compiled and attributed to all known dams in LCB that can be used to inform project selection and potential extent of impounded sediment.
- Increased understanding of sediment release considerations at the reach- and watershed-scale, and the conditions in which either minimal, partial, or full removal of impounded sediment may be appropriate.

NEIWPCC Code: L-2025-151
EPA: 0374-002-001
Start Date: 01/16/2026
Close Date:
Grant Amount: \$174,437.00
Non-federal Match:
Total Amount: \$174,437.00

2024 Research Grant

in progress

Sources and Consequences of Stream Salinization in the Lake Champlain Basin

Project Description

This project will study water quality and benthic macroinvertebrate communities at eight independent headwater streams within the Lake Champlain Basin (LCB) that represent a gradient of urbanized land use. Outputs include a multi-year high-temporal resolution dataset of water chemistry and physical stream parameters, including Na⁺ and Cl⁻, as well as macroinvertebrate community assessments. Additionally, the experimental components of the project will elucidate specifically how salinization contributes to biotic degradation in urban LCB streams and how the use of alternative deicing agents may mitigate those negative effects.

Outputs:

- multi-year high-temporal resolution dataset of water chemistry and physical stream parameters, including Na⁺ and Cl⁻
- macroinvertebrate community assessments.

Outcomes:

- fuller understanding of the source(s), magnitude, and consequences of stream salinization within the LCB, as well as of the intersection of Vermont's changing climate and stream salinization.
- enable stakeholders to prioritize specific salt sources, land uses, and sub-watersheds for salinization mitigation and reduction efforts.

Organization: Middlebury College

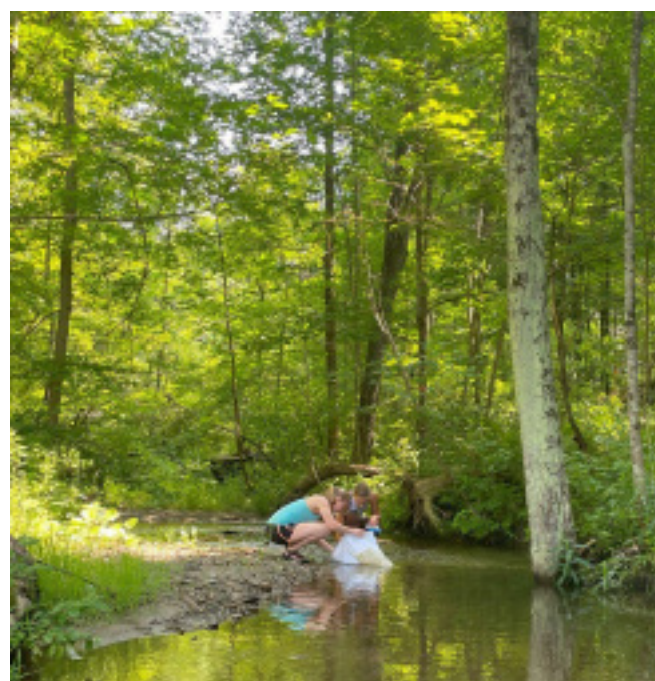
Contact Person: Molly Costanza-Robinson

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Middlebury College, Middlebury, VT 05753

Phone: 802/443-5571

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Website: <https://sites.middlebury.edu/mcostanz/>



Middlebury College student researchers, Liza Toll and Elle Thompson, sampling for stream macroinvertebrates in Summer 2023. Photo credit: Sophie Schuele



NEIWPCC Code: LS-2024-010

EPA 0368-002-001

Start Date 6/24/2024

Close Date:

Grant Amount: \$273,024.00

Non-federal Match: \$267,838.00

Total Amount: \$540,862.00

2025 Research for Clean Water

in progress

The ecological, biogeochemical and economic impacts of phosphorus inactivation in Lake Carmi

Project Summary

This project will study the impacts of a phosphorus inactivation treatment in Lake Carmi on nutrient cycling, cyanobacteria bloom behavior and composition, and economic cost effectiveness in comparison to impacts of the previous aeration treatment. Lake Carmi has been deemed a 'lake in crisis' in Vermont's Lake Champlain Basin and is thought to be a critical driver of cyanobacteria blooms in the lake and may contribute to as much as 90% of the lake's water column P inventory during bloom season (Barr 2024).

Outputs:

- develop 4 new monitoring datasets (sediment geochemistry, tributary nutrient loading, high frequency bottom water chemistry, water column nitrate speciation), and related analysis for Lake Carmi
- provide web access to Lake Carmi sensor time series to monitor the blooms and other physical and biogeochemical parameters in quasi real time
- distill results to the public through multiple media outlets
- 2-3 peer-reviewed manuscripts derived from this work, 1-3 short educational videos, 2 course exercises to educate middle and high school students and informational signage to inform the user community
- MS thesis and one undergraduate thesis

Outcomes:

- The first data informed comprehensive assessment comparing P inactivation to aeration to natural conditions across biogeochemical, ecological and economic components of the system to inform other applications in the Basin
- a quantitative assessment of the impact of P inactivation on Lake Carmi's biogeochemistry and ecology that can inform management entities across the basin. A cost-effective analysis of P inactivation will be useful to inform future resource investments

Organization: University of Vermont
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E-mail: aschroth@uvm.edu

Website: <https://www.uvm.edu/>

- as well as a benchmark for comparison to other future or past investments.
- analysis will help inform future potential P inactivation applications across Lake Champlain and other lakes in the basin that will be particularly relevant to larger systems that rarely receive treatment of this scale

NEIWPCC Code: LS-2025-143
EPA: 0374-002-001
Start Date: 02/05/2026
Close Date:
Grant Amount: \$399,168.00
Non-federal Match:
Total Amount: \$399,168.00

2024 Research Grant

in progress

Using Climate Models to Predict Future Use of De-icing Salts in the Lake Champlain Basin

Project Description

This project will use downscaled climate models to predict future changes in the use of de-icing salt within the Lake Champlain Basin. Major outcomes of the project will include; a summary of the relationship between historical climate data and tributary chloride data; characterization of future changes in winter conditions across the Lake Champlain basin; estimate of future changes in de-icing salt application due to climate change; the ability for state and/or highway supervisors and contractors to plan future equipment purchases and personnel training that aligns with long-term climate projects.

Outputs:

- summary of the relationship between historical climate data and tributary chloride data
- characterization of future changes in winter conditions across the Lake Champlain basin
- estimate of future changes in de-icing salt application due to climate change
- the ability for state and/or highway supervisors and contractors to plan future equipment purchases and personnel training that aligns with long-term climate projects.

Outcomes:

- reduction of contaminants in the Lake Champlain Basin

Organization: Paul Smith's College Adirondack Watershed Institute AWI

Contact Person: Brendan Wiltse

Mailing Address: PO Box 265
Paul Smiths, NY 12970

Phone: 518-327-6460

E-mail: bwiltse@paulsmiths.edu

Website: www.adkwatershed.org



Road salt along a New York State highway within the Lake Champlain Basin.



NEIWPCC Code: LS-2024-013
EPA 0368-002-001
Start Date: 5/29/2024
Close Date:
Grant Amount: \$119,825.00
Non-federal Match: \$ 40,600.00
Total Amount: \$160,425.00

2024 Research Grant

in progress

Utilizing Unoccupied Aircraft Systems (UAS) as a Rapid Assessment Tool to Identify and Prioritize Sites for Habitat and Water Quality Protection, Enhancement, and Monitoring

Project Description

This project will advance the use of Unoccupied Aircraft Systems (UAS) equipped with thermal, optical, and laser sensors to collect information critical to water quality and fisheries practitioners, including fisheries habitat, spawning sites, groundwater upwellings, coldwater refugia, and fluvial thermal anomalies. The analytical products derived from the UAS data will quantify and illustrate the dynamics between groundwater and surface water interactions to plan future monitoring, protection, or enhancements. The outcomes of this project have broad implications for future research in the Lake Champlain district, particularly related to climate change and its impacts.

Outputs:

- UAS mission plans and profiles will be developed for the stretches of the Winooski and Boquet rivers for first and second year flights.
- UAS flight operations and data acquisition including areas identified by project partners as having active salmon spawning activities, including redds.
- 2 stakeholder meetings

Outcomes:

- broad implications for future research in the Lake Champlain district, particularly related to climate change and its impacts.

Organization: EA Engineering, Science, and Technology, Inc., PBC

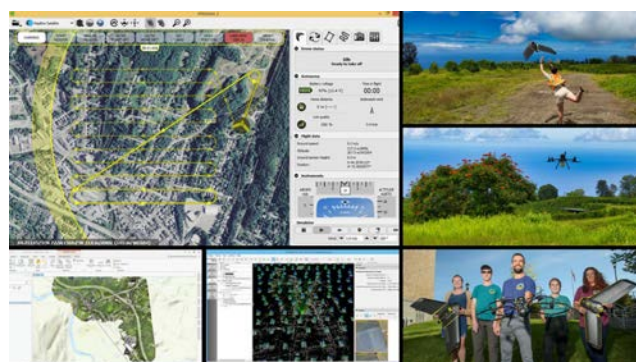
Contact Person: Salvatore (Sal) DeCarli

Mailing Address: 301 Metro Center Boulevard, Suite 102, Warwick, RI 02886

Phone: 401-244-5485

E-mail: sdecarli@eaest.com

Website: <https://eaest.com/>



UAS platforms, sensors, and software covered under the equipment fees.

NEIWPCC Code: L-2024-082
EPA 0368-002-001
Start Date 7/29/2024
Close Date:
Grant Amount: \$129,922.00
Non-federal Match: \$ 10,000.00
Total Amount: \$139,923.00



2024 Research Grant

in progress

Zooplankton Response to Environmental Change Within Lake Champlain and Across a Global Context

Project Description

The zooplankton data set from the Lake Champlain Long-Term Monitoring Program (LTMP) is incomplete because ~300 samples from 1995-1999 remain unprocessed; thus, limiting the ability to fully evaluate how the lower food web is responding to long-term environmental changes in Lake Champlain. The processing of the archived zooplankton samples will be completed and then the full data set compiled to (1) address fundamental questions about system change within Lake Champlain, and (2) place Lake Champlain in a global context of climate change impacts on freshwater biodiversity. The first assessment of zooplankton community dynamics that spans from the mid-1990s to present day, across all basins and all changes that have occurred in Lake Champlain over the last ~3 decades will be produced. The research is expected to illustrate the degree to which management agencies can use the LTMP zooplankton data as indicators of ecosystem state and environmental change, provide increased engagement with the Lake Champlain LTMP zooplankton data set, and consequently, provide more opportunities for the data to be included in research studies, considered in management decisions, and used in education and outreach activities.

Outputs:

- processing of the archived zooplankton samples
- compilation of full data set

Outcomes:

- fuller evaluation of how the lower food web is responding to long-term environmental changes in Lake Champlain.

Organization: University of Vermont
Rubenstein Ecosystem Science Lab

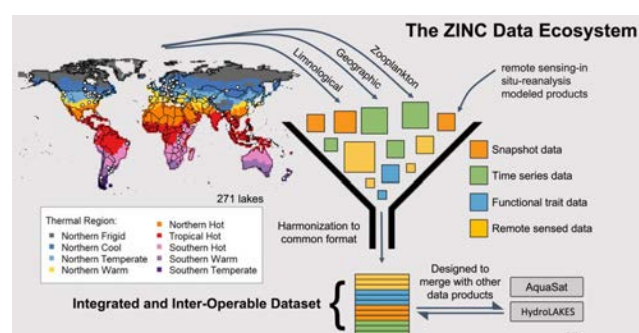
Contact Person: Jason Stockwell

Mailing Address: 3 College Street
Burlington, VT 05401

Phone: 802.735.4426

E-mail: jason.stockwell@uvm.edu

Website: www.stockwelllaboratory.com



Conceptual diagram of the Zooplankton as INdiCators (ZINC) data ecosystem. Lake Champlain will be included in the data set of > 270 lakes to address ecological questions related to zooplankton communities and their responses to a changing environment in Lake Champlain and across the world.



NEIWPCC Code: LS-2024-005
EPA 0368-002-001
Start Date: 07/15/2024
Close Date:
Grant Amount: \$188,389.00
Non-federal Match:
Total Amount: \$188,389.00

2024 Small Implementation Grant

in progress

Community of Stewards on Lake St Catherine: Continued NPS Projects 2024

Project Summary

The Lake St Catherine Association (LSCA), in partnership with the Poultney Mettowee Natural Resources Conservation District (PMNRCD) and Vermont State University (VSU), will continue to foster an experiential lakeshore stewardship program, Lake Wise, to serve the communities of Lake St. Catherine and other Vermont lakes through the recruitment of at least 20 new landowners, the provision of 20 site assessments, and implementation of 10 best management practices (BMPs). This project will reduce nonpoint source pollution entering Lake St. Catherine, as well as educate and empower participating local landowners: increasing community awareness of watershed science, storm water management, and lake-friendly landscaping. LSCA, PMNRCD, and VSU will fortify their collaborative relationship as they build upon their Lake Wise momentum (five years and over 100 participating properties), further expanding their homeowner enrollment and BMP installations and aiding Lake St. Catherine's pursuit of Gold Lake Wise Award status.

Outputs:

- recruitment of at least 20 new landowners
- provision of 20 site assessments
- implementation of 10 best management practices (BMPs)

Outcomes:

- reduce nonpoint source pollution entering Lake St. Catherine
- educate and empower participating local landowners
- increasing community awareness of watershed science, storm water management, and lake-friendly landscaping.

Organization: Lake St Catherine Association

Contact Person: Mary Jo Teetor

Mailing Address: PO Box 631
Wells, VT 05774

Phone: 802-287-5836

E-mail: maryjo.teetor@lakestcatherine.org

Website: <https://www.lakestcatherine.org/>



Lake Wise team members pose during project implementation.

NEIWPCC Code: LS-2024-032

EPA 0368-002-001

Start Date: 5/10/2024

Close Date:

Grant Amount: \$18,952.00

Non-federal Match: \$ 2,300.00

Total Amount: \$21,252.00



2024 Small Implementation Grant

in progress

Enlargement and Rehabilitation of the Bioretention System and Educational Feature at VSECU by Montpelier's Busy Bike Path

Project Summary

This project will remove flood sediment and debris and enlarge the basin of the bioretention system. The forebay will be rebuilt and its holding capacity deepened to better capture stormwater debris and large sediment. The project will then replace the basin soil medium and resculpt the edge before planting. An educational table/tent will be onsite during construction to intercept visitors and educate them not only on this project, but the importance of green infrastructure in general. The outputs will be photo documentation and gathering names and contact information from those that visit the educational tent. The outcome will be a system that can handle more frequent and larger storm events without overflowing which will be seen by photos taken during the first rain event after construction.

Outputs:

- development of planting plan
- set up of educational tent
- removal of flood sediment and debris and re-sculpt and enlarge basin
- rebuilt forebay stonework and infiltration slope
- replacement of soil medium

Outcomes:

- a system that can handle more frequent and larger storm events without overflowing

Organization: Ecolibrium, LLC

Contact Person: Sarah Hoffmeier

Mailing Address: 51 Terrace Street
Montpelier, VT 05602

Phone: 802-522-5840

E-mail: sarahhoffmeier@gmail.com

Website: www.ecolibriumvt.com



NEIWPCC Code: L-2024-087
EPA 0368-002-001
Start Date: 7/19/2024
Close Date:
Grant Amount: \$19,968.00
Non-federal Match: \$ 4,793.00
Total Amount: \$24,761.00

2025 Clean Water Implementation - Small

in progress

Fairview Stormwater Management Project

Project Summary

The Fairview Improvement Association (FIA) is seeking assistance to install a stormwater conveyance system on its property to capture and reduce stormwater runoff generated from NYS Route 9N, that flows untreated into Lake George. FIA is comprised of 30 members who live in a development one block north of route 9N, and have a small parcel of lakefront property on Lake George. Major damage to the driveway and culvert from 9N to the lakefront from severe stormwater during a storm in April 2022 caused the unnamed stream culvert to collapse and significant damage to FIA's lakefront property was sustained. While a new stream culvert was installed, there is still significant run off down the hill, placing strain on the culvert through drop inlets and continued sedimentation to the lake, impacting the lake's water quality. The Association in conjunction with the Warren County SWCD is proposing to install a stormwater conveyance system to capture and provide a level of filtration or infiltration, based on the site constraints, in order improve runoff quality to Lake George.

Outputs:

- planning and installation of a stormwater conveyance system, based on site constraints and potential for success. This system may be a combination of gray and green infrastructure and will be installed by a competent contractor.

Outcomes:

- a design-ready implementation project that will address the stormwater runoff at this site. The concerns addressed will be sediment, thermal pollution and nutrient impacts.
- a system designed to fit the site that will be able to be maintained and used as a treatment system for stormwater runoff.

Organization: Warren County Soil and Water Conservation District

Contact Person: James Lieberum

Mailing Address: 394 Schroon River Road
Warrensburg, NY 12885

Phone: 518-623-3119

E-mail: jiml@warrenswcd.org

Website: warrenswcd.org

NEIWPCC Code: LS-2025-006
EPA: 0373-002-001
Start Date: 03/14/2025
Close Date:
Grant Amount: \$38,848.00
Non-federal Match: \$ 1,865.00
Total Amount: \$40,713.00

2022 Small Implementation Grant

in progress

Integrating Cover Crop in Corn Silage Production Systems to Meet Agronomic and Conservation Goals

Project Summary

The overall goal of this project is to increase the acres of effective cover crops in the Lake Champlain Basin to improve soil health and crop health and reduce nonpoint source nutrient pollution to watersheds. This proposal demonstrates the use of modified corn cropping practices to enhance the establishment and growth of interseeded cover crops. Most research has focused largely on the cover crop itself and has neglected to acknowledge other factors in the system; farmers need strategies that encompass the entire production system to fully realize the benefits of cover cropping. The purpose of this project is to work with five farmers to modify cropping strategies that lead to well-established interseeded cover crops that improve soil health while maximizing crop yield. We will deliver cover crop and corn cropping system information to over 250 farmers and stakeholders in Lake Champlain Basin through workshops, conference, field days, and online resources.

Outputs:

- design corn cropping system with farmers
- develop fact sheet
- data collection at sites where system has been implemented
- deliver cover crop and corn cropping system information to over 250 farmers and stakeholders in Lake Champlain Basin through workshops, conference, field days, and online resources.

Outcomes:

- improve soil and crop health
- reduce nonpoint source nutrient pollution to watersheds

Organization: University of Vermont

Contact Person: Heather Darby

Mailing Address: 278 S. Main Street
St. Albans, Vermont 05478

Phone: 802-524-6501

E-mail: heather.darby@uvm.edu

Website: www.uvm.edu/extension/nwcrops



Interseeding cover crops in a Vermont corn field.



NEIWPCC Code: LS-2022-021
EPA 0357-002-001
Start Date: 4/28/2022
Close Date:
Grant Amount: \$ 24,992.00
Non-federal Match:
Total Amount: \$ 24,992.00

2024 Small Implementation Grant

in progress

Reducing Nutrient Loading Through BMP Installations

Project Summary

The objective of this funding is to augment the new Lake Protector program with the addition of financial incentives to install stormwater Best Management Practices (BMPs) on individual homeowner properties. The output will be at least 18 locations with new BMPs installed to produce an outcome of reduced nutrients and pollutants entering Lake George, increasing water quality and clarity. The stormwater remediation projects will include such things as rain gardens, vegetative buffers, porous pavers, and other green infrastructure projects that will be identified through our Lake Protector program and subsequent property visits. To protect against invasive species spread, prevention methods will be documented in the funding application process and award document. Matching funds from LGA's Critical Action Fund will be used toward the projects.

Outputs:

- approx 18 locations with new BMPs installed

Outcomes:

- reduced nutrients and pollutants entering Lake George
- increased water quality and clarity

Organization: Lake George Association

Contact Person: Monika LaPlante

Mailing Address: PO Box 408 (2392 State Rt. 9N)
Lake George, NY. 12845

Phone: 518-920-3883

E-mail: mlaplante@lakegeorgeassociation.org

Website: lakegeorgeassociation.org



Past project - bioretention area / rain garden.

NEIWPCC Code: LS-2024-055

EPA 0368-002-001

Start Date: 7/10/2024

Close Date:

Grant Amount: \$50,000.00

Non-federal Match: \$50,960.00

Total Amount: \$100,960.00



2025 Clean Water Implementation - Small

in progress

Riparian buffers : 2025 implementation

Project Summary

The OBVBM will be planting riparian buffers alongside newly maintained waterways in order to shelter them from sediments and fertilizer runoff. The OBVBM will purchase soil-working, seeding, planting and maintenance equipment so as to be able to manage the projects from start to finish. The OBVBM will be implementing a 23-mile network of riparian buffers and river corridors in the upcoming years, focusing on the Missisquoi Bay, Rock River and Pike River sub-watersheds. The logistics and financial planning will start in 2025 and is the subject of another grant application, (submitted to the LCBP on October 3rd 2024). Relying on sub-contractors for the planting and maintenance phases is no longer cost-effective. We intend to assemble our own planting and maintenance team and move forward with the purchase of the required equipment. 13 high-priority waterways have been maintained by the MRC in the last 3 years and riparian buffers need to be implemented alongside them. We wish to implement 6 of them ourselves in 2025. This will also help us practice and fine-tune our methods and get ready for the larger riparian buffers network implementation, starting in 2026.

Outputs:

- Purchased equipment
Implementation of an estimated 3.5 miles of riparian buffers in degraded agricultural watersheds
Maintenance of > 10 miles of existing sections of riparian buffers

Outcomes:

- Reduced sediment and phosphorus
- increased ability OBVBM to implement future riparian buffers and maintain them overtime.

Organization:	Organisme de bassin versant de la baie Missisquoi
Contact Person:	Aurelien Pochard
Mailing Address:	110 rue de la Rivière Bedford, QC J0J1A0
Phone:	450-248-0100
E-mail:	aurelien.pochard@obvbm.org
Website:	https://obvbm.org/

NEIWPCC Code:	LS-2025-009
GLFC:	0100-340-002
Start Date:	03/13/2025
Close Date:	
Grant Amount:	\$42,823.00
Non-federal Match:	\$79,520.00
Total Amount:	\$122,343.00

2025 Clean Water Implementation - Small

in progress

Small BMP Projects Implementation at Lake Carmi

Project Summary

This project will include the implementation of several small Best Management Practice projects at Lake Carmi. The project will assist land stewards along the lakeshore of Lake Carmi in Franklin, VT to plan and implement small scale lakeshore best management practices. Following dozens of Lake Wise visits over the past few years, the Franklin Watershed Committee and Franklin County NRCD have found that one of the main barriers to implementation of recommendations has been the ability of land stewards to gather the needed human and material resources to complete improvements correctly. This project aims to create a team of practitioners and a source of labor and material funding to support these land stewards in the implementation of site-specific recommended clean water and healthy ecosystem best management practices along the Lake Carmi lakeshore.

Outputs:

- # of staff trained
- compilation of training materials used
- list of BMPs included in training
- # of land stewards implementing at least on BMP
- copies of publications/posts related to project
- map and spreadsheet with BMP locations and summaries
- Quarterly and Final reports

Outcomes:

- Informed and educated lakeshore community members
- Reduced phosphorus, nutrient, and sediment loading to Lake Carmi
- Higher levels of shoreline woody vegetation and habitat
- More engaged land stewards
- Highly visible and replicable clean water projects
- More on-the-ground clean water project practitioners in the Lake Champlain Basin

Organization: Franklin Watershed Committee
Contact Person: Julia Crocker
Mailing Address: PO Box 79
 Franklin, VT 05457
Phone: 802-825-1243
E-mail: juliamariecrocker@gmail.com
Website: <https://www.franklinwatershed.org/>

NEIWPCC Code: LS-2025-014
EPA: 0373-002-001
Start Date: 04/09/2025
Close Date:
Grant Amount: \$50,000.00
Non-federal Match:
Total Amount: \$50,000.00

2024 Small Implementation Grant

in progress

Storm Water Management Through the Use of Rain Gardens and Shoreline Vegetation on Chazy Lake in the Town of Dannemora, NY

Project Summary

Rain gardens and tiered vegetation areas will be established to reduce the pollutants found in the runoff from the Wilfred King Road surface. Sturdy, low-growing shrubs along the parking area closest to the lake will be planted to prevent runoff from the parking area nearby and add stability to the shoreline. Asphalt and debris from the old road will be removed, the area revegetated, and a carry-in only path for kayaks, canoes, etc will be built. The area will have signage identifying the vegetation and its purpose, benches, and a defined area around the natural spring located centrally in the site. The hope is this will become an educational destination for schools and youth groups and an example to all concerning the proper way to care for land adjacent to a waterway. Another hope is the project greatly reduces any runoff from the road and can provide an area where visitors can relax and enjoy the natural surroundings there.

Outputs:

- development of layout design and materials to be purchased list
- removal of debris, old asphalt and culvert pipe
- construction of terraces raingardens, and walk-in path
- planting of vegetation
- development of interpretive signage

Outcomes:

- reduction of road run-off and stabilization of the shoreline

Organization: Town of Dannemora

Contact Person: Deb Coryer

Mailing Address: 78 Higby Road
Ellenburg Depot NY 12935

Phone: 518-492-7541 ext 1

E-mail: dcoryer@townofdannemora.com

Website: townofdannemora.com



North side of property with state pump house in the background (before picture). Parking area for low shrubs to increase shoreline stability is in the far background.



NEIWPCC Code: LS-2024-056
EPA 0368-002-001
Start Date: 5/21/2024
Close Date:
Grant Amount: \$37,130.00
Non-federal Match:
Total Amount: \$37,130.00

2022 Small Implementation Grant

in progress

Swanton Beach Stormwater Design and Implementation

Project Summary

This project will develop a final design and implement the proposed stormwater practice at the Swanton Beach that resulted from an LCBP-supported shoreline assessment that was completed in 2022. The proposed practice includes an under-drained bioretention system to the south of the parking area and a roadside sand filter near the Maquam Shore Rd and Lasnier Rd intersection to treat runoff prior to its discharge via a stream that flows along the northern edge of the property. Because this location is a popular public gathering area, FNLC will also implement an interpretive sign to educate the public on the benefits of stormwater management projects. The outputs will include a, as well as. The outcomes of the project will be a that drains from the Swanton Beach property.

Outputs:

- final design and the implementation of the stormwater treatment practice
- educational signage

Outcomes:

- reduction in the amount of phosphorus and sediment entering Lake Champlain by managing stormwater

Organization: Friends of Northern Lake Champlain

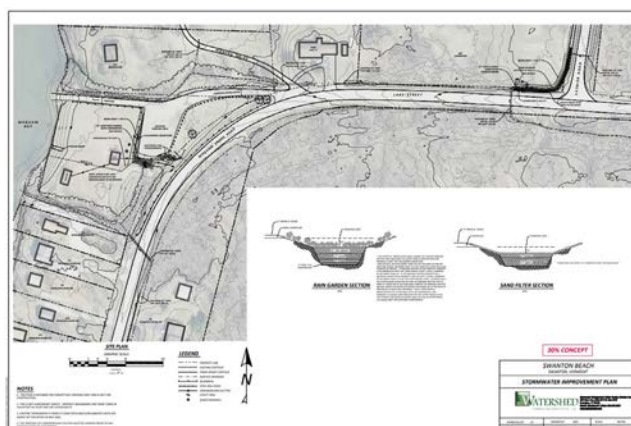
Contact Person: Bridget Butler

Mailing Address: PO Box 1145
St. Albans, VT 05478

Phone: 802-881-7845

E-mail: bbutler@friendsofnorthernlakechamplain.org

Website: <https://www.friendsofnorthernlakechamplain.org/>



Swanton Beach 30% engineering design for the treatment of stormwater. The conceptual project includes an under-drained bioretention system and a roadside sand filter. Original design by Watershed Consulting Associates.

NEIWPCC Code: LS-2023-010

EPA 0364-002-001

Start Date: 3/29/2023

Close Date:

Grant Amount: \$56,108.00

Non-federal Match: \$ 3,011.00

Total Amount: \$59,119.00



2022 Program Grants

in progress

Achieving Verifiable Phosphorus Removal from Tile Drains Discharging to Lake Carmi Tributaries

Project Summary

Stone will design, construct, monitor, and analyze the performance of reactive media filters to remove phosphorus (P) from four tile drainage systems discharging to Lake Carmi tributaries (Opportunities for Action, Strategy I.C.2.e). Implementation of tile drain P filters will reduce discharge of P to Dewing and Kane's Brooks and dissolved and particulate P loading to Lake Carmi and Missisquoi Bay of Lake Champlain. The primary outputs of the project will be treatment of phosphorus in tile drainage water from cropland receiving injected dairy manure, filter design drawings, and filter performance data. Development and demonstration of the tile drain P filters should provide farmers and resource conservation staff in Vermont with a tested and proven practice to reduce P loading from tile drainage systems.

Outputs:

- treatment of phosphorus in tile drainage water from cropland receiving injected dairy manure
- filter design drawings, and filter performance data
- development and demonstration of the tile drain P filters
- tested and proven practice to reduce P loading from tile drainage systems.

Outcomes:

- reduction of P discharge to Dewing and Kane's Brooks
- reduction of dissolved and particulate P loading to Lake Carmi and Missisquoi Bay of Lake Champlain

Organization: Stone Environmental, Inc.

Contact Person: Dave Braun

Mailing Address: 535 Stone Cutters Way
Montpelier, Vermont 05602

Phone: (802) 272-8819

E-mail: dbraun@stone-env.com

Website: <http://www.stone-env.com/>



Constructing a P filter at the outlet of a tile drain in St. Albans



NEIWPCC Code: L-2021-090

EPA: 0357-002-001

Start Date: 2/10/2022

Close Date:

Grant Amount: \$ 147,962.00

Non-federal Match: \$ 4,000.00

Total Amount: \$151,962.00

2021 Program Grants

concluded

Bioretention Soil Specifications Evaluation and Phosphorus Reduction Accounting Study: Combined Project

Project Summary

Stone Environmental, Inc. (Stone) and the University of Vermont (UVM) Ecological Landscape Design Lab, within the Plant and Soil Science Department, will work in close consultation with the LCBP to evaluate the water quality best management practice (BMP) design standard for bioretention soil media outlined in the 2017 Vermont Stormwater Management Manual (VSMM), analyzing the soil media's ability to remove sediment, nutrients, and heavy metals, while supporting plant health. To do this the Stone-UVM team will first produce a literature review of nationwide bioretention soil specifications and performance studies to provide comparison to the VSMM soil specification and insight to potential additives with low nutrient leaching. Following the literature review, the team will monitor a series of replicate bioretention planters with one set containing the VSMM-specified soil with compost added at the plant's root base, a second set designed and built to VSMM standards, a third set consisting of sand with compost added at the plant's root base, and a fourth control set filled with only sand. This research will take place in a controlled greenhouse environment, allowing an extended growing season/monitoring period, as well as the use of lab-produced "simulated stormwater" with known concentrations of pollutants that can be passed through the bioretention planters at controlled volumes and flow rates so that the pollutant removal efficacy of each planter can be measured. This study supports the Vermont Agency of Natural Resources (ANR) to produce effective BMP standards that will ultimately bring Vermont closer to compliance with the Lake Champlain Phosphorus Total Maximum Daily Load (Phosphorus TMDL) and reduce stormwater pollutants of concern overall.

Outputs:

- produce a literature review of nationwide bioretention soil specifications and performance studies
- monitor 4 sets of replicate bioretention planters
- produce effective BMP standards that will ultimately bring Vermont closer to compliance with the Lake Champlain Phosphorus Total Maximum Daily Load

Outcomes:

- reduce stormwater pollutants of concern

Organization: Stone Environmental

Mailing Address: 535 Stone Cutters Way
Montpelier, VT 05602

Website: <https://www.stone-env.com/>

Contact Person Project A: Polly Crocker

Phone: 703-606-4252

E-mail: pcrocker@stone-env.com

Contact Person Project B: Amy Macrellis

Phone: 802-229-1884

E-mail: amacrellis@stone-env.com



This project combines:

- Project A *Efficacy of the 2017 Vermont Stormwater Management Manual Bioretention Soil Specification in Removing Pollutants and Supporting Plant Health*
- Project B *Uniform Accounting of Soil and Sediment P Reductions in Evaluation of WQ Project Benefits in VT*

NEIWPCC Code: L-2020-090

EPA 0356-002-001

Start Date: 12/17/2021

Close Date: 8/19/2025

Grant Amount: \$203,014.00

Non-federal Match: \$ 53,917.00

Total Amount: \$256,931.00



2022 Program Grants

concluded

Caspian Lake Watershed Action Plan

Project Summary

The Caspian Lake Community Engagement and Watershed Action Plan will provide a synthesis of all available data, sector-based assessments, estimated total phosphorus contributions from sub-watersheds, and a list of the five highest priority projects and overall strategies that will reduce sediment and nutrient loading to Caspian Lake, and restore and support aquatic habitat functions.

Outputs:

- Caspian Lake Watershed Action Plan
- five 30% best management practice project designs

Outcomes:

- the Caspian Lake community will have a clear list of achievable projects that, when implemented, will contribute to reducing phosphorus runoff to Caspian Lake.
- another year of visible, on-the-ground projects implemented through the Lake Wise program will inspire other lakeshore owners to participate in the Lake Wise program, also resulting in reduced nutrient and sediment runoff to the lake from lakeshore properties
- the Greensboro community will have a greater awareness of actions they can take to protect the lake.

Organization: Orleans County NRC

Contact Person: Sarah Damsell

Mailing Address: 59 Waterfront Plaza
Newport, VT 05855

Phone: 802-334-6090 ext. 7008

E-mail: sarah.damsell@vt.nacdnet.net

Website: www.vacd.org/conservation-districts/orleans-county



View of Caspian Lake from Lake Shore Road



NEIWPCC Code: LS-2021-097
EPA: 0357-002-001
Start Date: 1/6/2022
Close Date: 2/5/2025
Grant Amount: \$ 48,668.00
Non-federal Match: \$ 2,338.00
Total Amount: \$51,006.00

2022 Program Core Grants - NY Agronomy

in progress

Clinton and Essex County Small Farm Phosphorus Reduction Project

Project Summary

The Soil & Water Conservation Districts' of Clinton and Essex County in Northern New York, will work with farmers with in New York State's portion of Lake Champlain basin to design and implement phosphorus reducing soil-based practices. Our field workshop on soil-based management practices, will give agricultural professionals and local landowners an opportunity to learn the importance of the phosphorus in the soil. This workshop will also provide examples of implementation practices to better utilize phosphorus in soil for agricultural production. Over 90 acres of soil-based practices will be installed across the counties to reduce phosphorus loading in the Lake Champlain Basin.

Outputs:

- 90 acres of soil-based practices will be installed across the counties

Outcomes:

- reduced phosphorus loading in the Lake Champlain Basin

Organization: Clinton County SWCD

Contact Person: Peter Hagar

Mailing Address: 6064 Route 22, Suite 1
Plattsburgh NY 12901

Phone: (518) 561-4616 ext. 3

E-mail: peter.hagar@ccsoil-water.com

Website: <http://clintoncountyswcd.org/>

NEIWPCC Code: LS-2023-007

EPA: 0357-002-003

Start Date: 3/14/2023

Close Date:

Grant Amount: \$25,000.00

Non-federal Match:

Total Amount: \$25,000.00



2021 Program Grants

concluded

Consequences of Winter Perturbations on Nutrient Export to Lake Champlain

Project Summary

Preliminary data suggest that winter runoff events are disproportionately important contributors to annual nutrient loads in the Lake Champlain Basin (LCB), but very little is known about the magnitude and drivers of these mid-winter fluxes. The proposed project will winterize an in-place sensor network and use sampling campaigns to determine how winter perturbations impact the timing and magnitude of watershed nutrient export and loading to Lake Champlain and identify critical source areas and flowpaths for these winter events. The research will address LCBP *Opportunities for Action* 1 by combining a targeted monitoring campaign with winterized nutrient sensors capable of collecting high frequency in-situ soils and streams data to quantify winter nutrient loading and the conditions and land uses that promote high loading. These data will also be made available to better constrain watershed nutrient loading models and inform policies aimed at suppressing winter nutrient export.

Outputs:

- winterize an in-place sensor network
- sampling campaigns to determine how winter perturbations impact the timing and magnitude of watershed nutrient export and loading to Lake Champlain
- identify critical source areas and flowpaths for these winter events

Outcomes:

- data will also be made available to better constrain watershed nutrient loading models and inform policies aimed at suppressing winter nutrient export.

Organization: University of Vermont

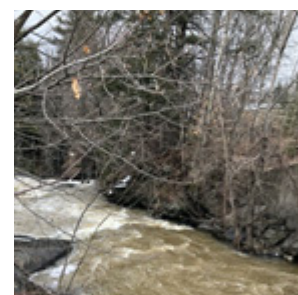
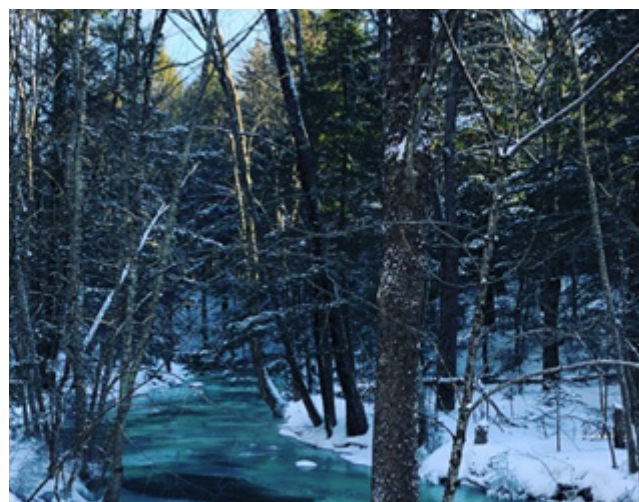
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E-mail: Carol.Adair@uvm.edu

Website: <https://adairlab.weebly.com/>



Photos: Erin Seybold

NEIWPCC Code: LS-2021-011
EPA 0356-002-001
Start Date: 8/13/2021
Close Date: 7/2/2025
Grant Amount: \$281,904.00
Non-federal Match: \$82,280.00
Total Amount: \$364,183.00



2023 Program Grants

in progress

Cyanotoxin Monitoring in the Lake Champlain Basin 2023-2025

Project Summary

This project will support cyanotoxin monitoring to complement the visual protocols in the Lake Champlain Cyanobacteria Monitoring Program. This project will provide quality control data for that program (validating the visual monitoring protocol), and in addition will provide extra funding for more comprehensive toxin analyses from bloom events which occur throughout the basin. In addition to continuing program activities from previous years, this project will expand the analysis from 2 to 4 cyanotoxins (or families of cyanotoxins): microcystins, anatoxin, cylindrospermopsin, and saxitoxin.

Outputs:

- expanded database of the toxicity of cyanobacteria blooms in the Lake Champlain Basin, with a focus on samples from category 2 and 3 blooms

Outcomes:

- help understanding of the conditions which contribute to bloom toxicity in the Lake Champlain Basin

Organization: VT Department of Environmental Conservation

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Website: <https://dec.vermont.gov/watershed/lakes-ponds/learn-more/cyanobacteria>



An example of a cyanobacteria bloom on Lake Champlain. While it is known that many common cyanobacteria can produce toxins, many blooms do not have measurable levels of toxins, and it is still not well-understood what factors lead a bloom to becoming toxic. Photos: Lake Champlain Committee

NEIWPCC Code: LS-2023-087

NOAA 0367-002-000

Start Date: 9/26/2023

Close Date:

Grant Amount: \$125,000.00

Non-federal Match:

Total Amount: \$125,000.00



2022 Program Grants

concluded

Developing a Comprehensive Binational Phosphorus Mass Balance Model for the Missisquoi Bay

Project Summary

Stone Environmental, Inc. (Stone) will work with the University of Vermont (UVM), Research and Development Institute for the Agri-Environment (IRDA), and Organisme de Bassin Versant de la Baie Missisquoi (OBVBM) to develop a comprehensive, binational phosphorus (P) mass balance model for the Missisquoi Bay watershed. This project will merge existing basin-wide data and scientific expertise from Quebec and Vermont to quantify the inventory of different P stocks within the Missisquoi Basin's terrestrial and aquatic compartments, apply physically based and empirical models and data to quantify the fate and transport of P across the basin, and produce a stakeholder-facing toolkit for the analysis of the P mass balance over time under various management scenarios.

Outputs:

- creation of a binational P inventory providing a formal assessment of the current conditions inventory and distribution of P within all terrestrial and aquatic compartments of the Missisquoi Basin
- development of a terrestrial P export metamodel for evaluating the terrestrial landscape storage and export of P based upon a broad range of landscape characteristics, climate inputs, and agricultural and non-agricultural management practices
- P mass balance assessment toolkit that will allow stakeholders to explore the future long-term Missisquoi watershed P mass balance under a range of alternative assumption, including adoption of agricultural and non-agricultural best management and conservation practices at various scales throughout the U.S. and Canada.

Outcomes:

- improved understanding and education concerning the impacts of society's actions on the long-term water quality of Missisquoi Bay.

Organization: Stone Environmental, Inc

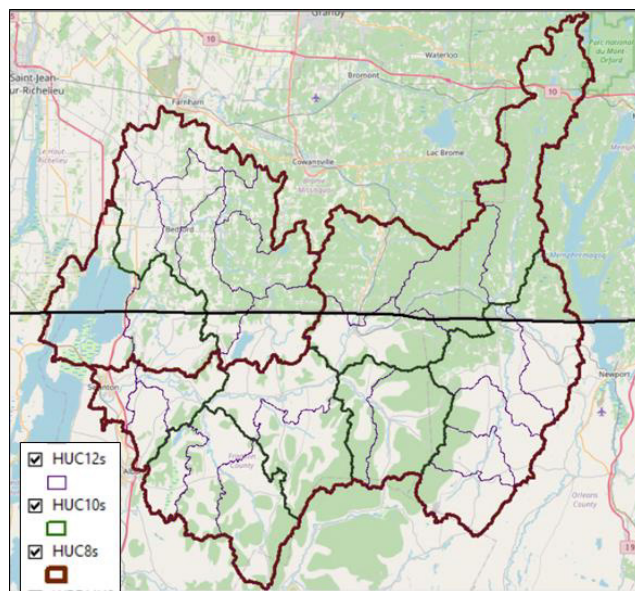
Contact Person: Michael Winchell

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NEIWPCC Code: L-2022-010
EPA: 0357-002-001
Start Date: 2/10/2022
Close Date: 9/24/2025
Grant Amount: \$ 299,966.00
Non-federal Match: \$ 35,266.00
Total Amount: \$335,231.00

2023 Program Grants

concluded

Developing Skills of TAPs to Assist Farmers with Soil Health Strangers

Project Summary

This project will create a curriculum and implement a training program for agricultural TAPs to improve soil health strategy adoption and management with their farmer clients across Vermont agricultural lands. This project also supports the collaboration of soil health experts and technical staff across the region to meet regularly and share information, research, program opportunities, and experiences. The anticipated outcome of this project is locally relevant training content and programming specific to Lake Champlain Basin and Vermont agricultural producers, which will support a community of agricultural producers, service providers, and researchers working together towards healthier soils, cleaner water, viable farms, and improved climate resilience.

Outputs:

- one year of training opportunities for at least 20 TAPs on soil health topics
- five (5) infield intensives
- twelve (12) online winter webinars
- material from the training program will also be hosted online for future TAPs to learn from in a self-guided approach.

Outcomes:

- a community of agricultural producers, service providers, and researchers working together towards healthier soils, cleaner water, viable farms, and improved climate resilience.

Organization: Franklin County Natural Resources Conservation District

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Website: www.FranklinCountyNRCD.org



NEIWPCC Code: LS-2022-088
EPA: 0364-002-001
Start Date: 11/8/2022
Close Date: 1/29/2025
Grant Amount: \$200,000.00
Non-federal Match:
Total Amount: \$200,000.00

2023 Program Grants

in progress

Development of a Soil Health Calculator Tool to Quantify Impacts of Quantify Impacts of Agricultural Management Practices on Soil Health in the Lake Champlain Basin

Project Summary

This project will develop and validate a web-based soil health calculator tool to quantify the impact of agricultural conservation practices at the field/farm scale on key soil health properties and provide farmers and state programs with actionable information that will enable informed decision making to increase regenerative agriculture and support healthy soils in Vermont. The tool will be developed as a module of the existing Farm-P Reduction Planner (Farm-PREP) and tool outputs will be based on the United States Department of Agriculture (USDA) Agricultural Policy Environmental eXtender model (APEX) (Steglich et al., 2016). To the extent possible, this customized modeling-based approach will be designed to align with the goals of the Vermont Agency of Agriculture, Food, and Markets (VAAFM), as well as the Vermont Payment for Ecosystem Services (PES) and Soil Health Working Groups. The development of this easily accessible tool will be that stakeholders can identify feasible field-specific practices that will contribute to healthy and sustained soils within a framework that also demonstrates the impacts of those practices on water quality and agricultural outcomes.

Outputs:

- develop and validate a web-based soil health calculator tool

Outcomes:

- informed decision-making to increase regenerative agriculture and support healthy soils in Vermont
- improved water quality

Organization: Stone Environmental, Inc.

Contact Person: Jody Stryker

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Annual Results Table		Soil Health Results			Results Guide	Download CSVs	Return Home
Farm Management Scenario	Change in Bulk Density (%)	Change in Soil Strength	Change in Organic Matter (%)	Change in Organic Biomass (%)	Compare		
* TMDL Baseline:	20	20	20	20			
* Current:	20	20	20	20			
* Reduced - Incorporated:	20	20	20	20			
* Reduced - Injected:	20	20	20	20			
* No-Till - Injected:	20	20	20	20			
* No-Till - Surface:	20	20	20	20			
* Buffer:	0	0	0	0			
* Winter Hardy - Early By 9/15:	10	10	10	10			
* Winter Hardy - Mid By 10/1:	10	10	10	10			
* Winter Hardy - Late By 10/15:	10	10	10	10			
* Winter Kill - Early By 9/15:	10	10	10	10			



NEIWPCC Code: L-2022-099
EPA: 0364-002-001
Start Date: 11/4/2022
Close Date:
Grant Amount: \$95,000.00
Non-federal Match:
Total Amount: \$95,000.00

2022 Program Grants

in progress

Expanding Vermont's Functioning Floodplain Initiative (FFI) to Advance the Science and Conservation of Healthy Stream, Riparian, Wetland, and Floodplain Ecosystems

Project Summary

This project will add instream and floodplain habitat components in the ongoing Functioning Floodplain Initiative (FFI) Project. The primary outcome of this work will be the ultimate improvement of stream and floodplain habitat as more stream channels are reconnected to their historic floodplains. Water quality will also be improved via reconnecting Vermont's rivers. The main output of this project is a habitat module in the FFI to allow stakeholders and practitioners to use a web application to explore habitat conditions, plan for habitat improvement projects, and track progress.

Outputs:

- a web-based habitat module in the FFI to explore habitat conditions, plan for habitat improvement projects, and track progress.

Outcomes:

- improved of stream and floodplain habitat
- improved water quality

Organization: SLR Consulting

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Website: slrconsutling.com



Disconnected floodplain along the Lamoille River with low-quality floodplain habitat in Wolcott, VT.



NEIWPCC Code: L-2021-099
EPA: 0357-003-001
Start Date: 2/10/2022
Close Date:
Grant Amount: \$154,035.00
Non-federal Match:
Total Amount: \$154,035.00

2022 Program Grants

concluded

Fairfield Pond Lake Watershed Action Plan

Project Summary

A Lake Watershed Action Plan will be completed for Fairfield Pond to identify and prioritize problem areas associated with stormwater runoff, shoreline encroachment and erosion, and land use within the watershed, using a combination of desktop analysis and field investigation. Once identified, a Watershed Action Plan will be published that catalogs and describes the state of the watershed in the areas of stormwater, stream, general land use, and lakeshore health. The information collected in each focus area will be cataloged within a data library and areas of concern will be prioritized to produce five conceptual design improvement projects aimed at improving or maintaining water quality and shoreline health of the Fairfield Pond watershed. The findings of the plan will be presented in a series of educational outreach events to the stakeholders in the area (landowners, businesses, and municipal leaders) to garner support for implementing the action plan.

Outputs:

- Digital data library and desktop assessment of the Fairfield Pond watershed
- Five preliminary designs of best management practices with cost estimates
- Two public outreach meetings
- Fairfield Pond Lake and Watershed Action Plan

Outcomes:

- Engagement with landowners in the Fairfield Pond watershed that will garner support for water quality practices
- Improvement of water quality and shoreline health of the Fairfield Pond watershed.

Organization: Friends of Northern Lake Champlain

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Phone: 802.238.6973

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Website: <https://www.friendsofnorthernlakechamplain.org>



Photo courtesy: Fairfield Pond Recreation Association

NEIWPCC Code:	LS-2022-004
EPA:	0357-002-001
Start Date:	2/1/2022
Close Date:	1/30/2025
Grant Amount:	\$ 24,635.00
Non-federal Match:	\$ 2,200.00
Total Amount:	\$26,835.00

2022 Program Grants

in progress

Flower Brook Floodplain Function and Flood Resilience Assessment

Project Summary

This project includes geomorphic assessment of the Flower Brook headwater tributaries with a focus on determining floodplain function and identifying and prioritizing restoration opportunities aimed at downstream flood and water quality protection in the South Lake watershed. Focus will include restoring floodplain connectivity where it has been lost due to encroachments and/or due to channel incision. Additional assessment areas include road crossings and hydrologically connected road segments, feeder tributaries that show signs of severe gully erosion, and evaluation of streamside properties in need of improved riparian buffers for participation in local tree planting programs. Assessment results will be provided to local landowners to facilitate enrollment in appropriate cost share or grant programs and/or the Town of Danby and Pawlet, where town roads, culverts, or right of ways are indicated. At least one identified project will be chosen for future implementation with LCBP funds, likely one of the projects receiving a 30% or conceptual design.

Outputs:

- a Stream Geomorphic Assessment to summarize current conditions and identify potential project opportunities
- a prioritized list of at least 25-30 projects for implementation
- three conceptual designs of high priority projects
- a Project Report summarizing information on all potential projects.

Outcomes:

- decreased downstream flood peaks and decreased downstream flux of sediments and nutrients, and ultimately improved safety and water quality in Pawlet Village and Lake Champlain
- improved understanding of the watershed, of stormwater storage, sediment transport, and the value of restoring and conserving functioning floodplains, riparian buffers, and instream structure and function (LWD).

Organization: Poultney Mettowee Natural Resources Conservation District

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;

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Website: pmnr.cd.org



Gravel generated in the headwaters



NEIWPCC Code: LS-2021-093
EPA: 0357-002-001
Start Date: 1/21/2022
Close Date:
Grant Amount: \$ 56,550.00
Non-federal Match: \$ 5,500.00
Total Amount: \$62,050.00

2020 Program Grants

concluded

Forage fish Community Monitoring in Lake Champlain

Project Summary

The overarching goal of this project is to design and initiate a prey fish community survey in Lake Champlain that will allow assessment of changes in coldwater prey fish communities (abundance, condition, length/age structure), monitor year class abundance of wild lake trout recruits, and inform management decisions.

Outputs:

- meetings with biologists from Vermont, New York, and Wisconsin to integrate elements of the VTDFW survey (1982-2015) and prey fish surveys conducted in lakes Ontario and Superior into design of a fish community monitoring survey plan for Lake Champlain
- field sampling to evaluate the abundance and condition of alewife and rainbow smelt in 2020 and 2021 relative to years prior to recruitment of wild lake trout
- a forage fish community monitoring plan with a standard operating procedure.

Outcomes:

- implementation of a long-term prey fish community survey
- annual prey fish community data to inform fisheries management decisions
- presentations to inform the public about the status of harvested fish populations in the lake (rainbow smelt, lake trout).

Organization: University of Vermont

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Phone: 802-656-0684

E-mail: ellen.marsden@uvm.edu

Website: <https://www.uvm.edu/rsenr/rubensteinlab>



University of Vermont faculty and graduate student sort catch of forage fishes from a bottom trawl as part of a juvenile lake trout survey. Credit: Hannah Lachance, UVM

NEIWPCC Code: L-2019-104
GLFC 0100-328-003
Start Date: 3/9/2020
Close Date: 9/17/2025
Grant Amount: \$238,822.00
Non-federal Match: \$127,387.00
Total Amount: \$366,209.00



2022 Program Grants

in progress

Going Deep: Evaluating Deep and Shallow Water Drivers of Mercury in Lake Champlain Fish

Project Summary

This project will identify climate driven factors regulating mercury cycling and bioaccumulation in deep and shallow basins of Lake Champlain, which govern concentrations of mercury in sport fish.

Outputs:

- a meeting with regional governmental stakeholders to inform needs for setting and unifying fish advisories on the lake
- an outreach plan to communicate fish advisories to anglers including underserved groups
- a survey of mercury (Hg) in sport fish in basins throughout the lake
- a record of isotopic signatures in fish from the lake, and an analysis of the differences in Hg source, food source and trophic level across basins
- an analysis of the sources of methylmercury (MeHg) to the base of the food web and the factors controlling bioaccumulation
- a model of climate-related drivers of MeHg in shallow and deep basins.

Outcomes:

- regional government stakeholders will be aware of what is needed to provide unified and accessible fish consumption advisories
- anglers on Lake Champlain, including semi-subsistence, indigenous and immigrant groups, will be informed of current best practices (species, location) for catching fish with low Hg levels
- an understanding of the changes in fish Hg concentrations over time and between basins in the lake will be achieved
- predictions of Hg concentrations in fish under future climate scenarios will be developed.

Organization: Dartmouth College

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NEIWPCC Code: LS-2022-016
EPA: 0357-002-001
Start Date: 4/25/2022
Close Date:
Grant Amount: \$ 297,500.00
Non-federal Match: \$ 93,209.00
Total Amount: \$390,709.00

2024 Program Grants

in progress

Interstate Clean Water Accounting

Project Summary

The Center for Watershed Protection (CWP) will complete an external review of the current pollution reduction tracking methodology for the Lake Champlain phosphorus total maximum daily load (TMDL) to recommend how these methods may be improved within the states of Vermont and New York and be better aligned between the two states.

Outputs:

- three meetings of a project Advisory Committee to inform the project methods and recommendations;
- develop a project Quality Assurance Project Plan (QAPP)
- review and compare clean water project tracking and accounting methods for each state
- make recommendations for aligning pollution reduction efficiencies for best management practices (BMPs), total phosphorus load reduction estimates, and standard operating procedures (SOPs) for calculating this information for the U.S. portion of the Lake Champlain watershed
- convene a project stakeholder meeting to provide feedback on the recommendations
- presentation of findings to Lake Champlain Basin Program (LCBP) committees.

Outcomes:

- support more informed decision-making and increased ability to meet clean water targets for Lake Champlain.
- roadmap for improved regional coordination, improved pollutant reduction tracking within each state, and improved consistency of tracking and accounting methodologies across the states

Organization: Center for Watershed Protection

Contact Person: Deb Caraco

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Website: www.cwp.org



NEIWPCC Code: LS-2024-081

EPA: 0357-002-001

Start Date: 7/15/2024

Close Date:

Grant Amount: \$100,000.00

Non-federal Match:

Total Amount: \$100,000.00

2022 Program Grants

concluded

Lake Assessment and Watershed Action Planning for New York Lakes

Project Summary

This project will collect water quality data, through citizen-science and professional staff, on unassessed or under-assessed waterbodies on the N.Y. side of the Lake Champlain Basin and develop watershed action plans for a subset of priority water bodies. The outcome of this work is to reduce the number of unassessed waterbodies in the basin, increase citizen engagement in watershed issues, and improve water quality in priority waterbodies.

Outputs:

- Water quality assessments of 50 unassessed or not recently assessed water bodies on the New York side of the Lake Champlain Basin
- Expanded citizen-science participation in the Adirondack Lake Assessment Program
- Three watershed action plans developed for priority water bodies on the New York side of the Lake Champlain Basin.

Outcomes:

- reduction in unassessed or not recently assessed water bodies on the New York side of the Lake Champlain Basin
- increased citizens' engagement in watershed issues, including monitoring, stewardship, and action through hands-on participation and non-personnel interpretation
- improvement of water quality in priority waterbodies through the development of watershed action plans

Organization: Paul Smith's College - AWI

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NEIWPCC Code: LS-2021-073
EPA: 0357-002-001
Start Date: 10/18/2021
Close Date: 12/13/2024
Grant Amount: \$198,995.00
Non-federal Match: \$ 38,925.00
Total Amount: \$237,920.00

2024 Core Program Grants

concluded

Lake Champlain Committee Volunteer Coordination and Training for the 2024 Lake Champlain Cyanobacteria Monitoring Program

Project Summary

This project covers the Lake Champlain Committee's (LCC) portion of the on-going Lake Champlain cyanobacteria monitoring program for the period between January 2024 and December 31, 2024, and focuses on program development and revisions, recruitment, training, oversight and support of volunteer monitors and public outreach to raise awareness of cyanobacteria. The project objective is to plan and implement the 2024 cyanobacteria monitoring program with comprehensive coverage of Lake Champlain and select inland Vermont lake sites that provides ongoing assessments of conditions and publicizes results that expand the existing database of information and help educate community members about water quality and keep the public safe from blooms.

Outputs:

- preliminary PDF of training materials, monitor toolkit and online and hard copy educational information, and internal guidance documents for key aspects of the program
- a schedule and details of training sessions, public forums, and community mailings;
- data on monitoring results;
- compilation of weekly monitoring reports;
- draft preliminary compilation of monitoring data, monitor and partner feedback results;
- draft outline of 2025 monitoring program;
- approved quarterly reports and final report.

Outcomes:

- trained cadre of dedicated monitors who accurately assess and report conditions
- a public cyanobacteria monitoring database that is updated on a timely basis
- support of local level implementation and involving the public
- long-term monitoring of water resources

Organization: Lake Champlain Committee

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Blooms showed up with intensity at several Lake Champlain and inland lake locations during Week 1 of 2023 monitoring season. Photos above, left to right, show Lake Champlain blooms at White Bay (Panton, VT) and Button Bay State Park (Ferrisburg VT) on 6/30/23; and at North Harbor (Vergennes, VT) on 6/25/23. LCC plans to start the 2024 monitoring season a week earlier during 2024.



NEIWPCC Code: LS-2024-008

EPA: 0368-002-001

Start Date: 3/18/2024

Close Date: 8/14/2025

Grant Amount: \$121,275.00

Non-federal Match:

Total Amount: \$121,275.00

2022 Program Grants

concluded

Lake Iroquois Watershed Action Plan

Project Summary

A unified Watershed Action Plan for Lake Iroquois, Sunset (Lower) Lake and Patrick Brook (the “Lake Iroquois Watershed Action Plan”) will be created that serves as a shared roadmap for all partners to cost-effectively address top priority opportunities that remediate stormwater runoff and phosphorus pollution to improve water quality, wildlife habitat, and climate change resilience.

Outputs:

- Lake Iroquois Watershed Action Plan
- 45-60 projects mapped with summary sheets developed
- 3-5 preliminary designs completed
- meeting minutes from 3 stakeholder meetings
- 1 press release, 1 project website page, and three social media posts

Outcomes:

- watershed residents will have an increased knowledge of their independent impacts on water and habitat quality
- watershed partners and the community will have improved planning awareness and a holistic plan with clearly articulated and prioritized projects to use as a guidepost for improving watershed health.

Organization: Winooski NRCD

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Website: <https://winooskinrcd.org/>



Picture from a 2012 rain garden project in the Lake Iroquois-Patrick Brook Watershed completed by the Lake Iroquois Association on private land. This LWAP will engage landowners and residents in similar stormwater improvement projects.



NEIWPCC Code: LS-2022-002

EPA: 0357-002-001

Start Date: 2/10/2022

Close Date: 12/20/2024

Grant Amount: \$ 39,836.00

Non-federal Match: \$ 4,659.00

Total Amount: \$44,495.00

2022 Program Grants

concluded

Lake St. Catherine Watershed Action Plan

Project Summary

The Lake St. Catherine Association (LSCA) in partnership with the Poultney Mettowee Natural Resources Conservation District (PMNRCD) and in cooperation with other state and local partners will develop a Lake Watershed Action Plan that leverages current investments, is driven by accepted best management practices, elevates underassessed areas and gaps, and identifies issues, opportunities, and projects to guide locally-led water quality implementation work in the St. Catherine watershed.

Outputs:

- Lake and Watershed Action Plan
- 5 stakeholder meetings
- 20+ project opportunities identified
- Three conceptual designs created

Outcomes:

- Plan to facilitate project work at many scales throughout the watershed
- Increased stakeholder and landowner engagement
- Ready-to-build project opportunities
- Cleaner water in Lake St Catherine and Lake Champlain

Organization: Lake St. Catherine Association

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Wells, VT 05774

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The Lake St Catherine Watershed



NEIWPCC Code: LS-2022-001
EPA: 0357-002-001
Start Date: 1/27/2022
Close Date: 8/20/2025
Grant Amount: \$38,224.00
Non-federal Match: \$ 6,012.00
Total Amount: \$44,236.00

2023 Program Grants

in progress

Mirror Lake Monitoring and Lake Champlain Basin De-icing Salt Study

Project Summary

This research project will use long-term water quality data from Mirror Lake (Lake Placid, NY) as evidence of the effectiveness of recent large-scale stormwater improvement projects in improving water quality on small inland water bodies.

De-icing salt is increasingly recognized as a significant regional pollutant throughout the Champlain Basin and as a contaminant in the narrative of the LCBP *Opportunities for Action*. This project will compile a central database of inland lake water quality data from the Lake Champlain Basin. This database will be used to determine regional drivers of salinization of inland lakes. Additionally, there will be an understanding of the long-term changes in salt concentrations in these lakes, their drivers, and trajectory of these concentrations over time.

Outputs:

- 140 water samples collected and analyzed
- 70 vertical profiles collected
- data produced
- one graduate student research assistant hired
- a literature review on de-icing salt impacts relevant to the Lake Champlain Basin
- a lake water quality database including lake-specific explanatory variables related to in lake salt concentrations
- a submitted manuscript describing the relationship between in lake salt concentrations and explanatory variables, and quarterly, final, and metrics reports.

Outcomes:

- improved understanding by local municipalities of the benefits of investing in green infrastructure projects.
- more informed understanding of where to make strategic investments in salt reduction best management practices both geographically and operationally

Organization: Paul Smith's College

Contact Person: Brendan Wiltse

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Paul Smiths, NY 12970

Phone: 518-327-6460

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Website: www.adkwatershed.org



AWI staff collecting a water sample from the stormwater system draining to Mirror Lake.

NEIWPCC Code: LS-2022-090

EPA: 0364-002-001

Start Date: 11/30/2022

Close Date:

Grant Amount: \$154,532.00

Non-federal Match: \$60,310.00

Total Amount: \$214,842.00



2025 Technical Projects for Clean Water

in progress

Monitoring Emerging Contaminants in the Lake Champlain Basin Phase 2

Project Summary

The objective of this project is to develop a long-term monitoring framework for emerging contaminants (EC) in the Lake Champlain Basin (LCB) informed by literature findings, input from project advisors, existing local data, spatial analyses of source areas and point discharges, and the results of a synoptic sampling campaign providing information on distributions of priority contaminants in surface water and sediment. The project is being completed in two phases. Phase 1 of the project has been awarded a technical project (LCBP/NOAA, CFDA 11.469). The scope of the Phase 2 is to complete additional monitoring for ECs in the LCB and to update and refine certain deliverables from the Phase 1 workplan, including the QAPP, the EC concentration database, the long-term EC monitoring framework, and the final report.

Outputs:

- Amended Quality Assurance Project Plan;
- Updated emerging contaminants database incorporating new data on ECs in the LCB and newly available toxicological endpoints;
- Additional emerging contaminants data from Phase 2 monitoring;
- Refined data analysis and long-term EC monitoring framework;
- Quarterly reports and comprehensive final report; and,
- Regular updates to the LCBP CAC.

Outcomes:

- an improved understanding of the occurrence and concentrations of emerging contaminants in LCB surface water and sediment, enabling the development of a more specific and cost-effective long-term monitoring framework.

Organization: Stone Environmental, Inc.

Contact Person: Les Carver

Mailing Address: 535 Stone Cutters Way
Montpelier, VT 05602

Phone: 802-229-4541

E-mail: lcarver@stone-env.com

Website: <https://www.stone-env.com>

NEIWPCC Code: L-2025-022
EPA: 0368-002-001
Start Date: 03/19/2025
Close Date:
Grant Amount: \$291,000.00
Non-federal Match:
Total Amount: \$291,000.00

2025 Technical Projects for Clean Water

in progress

New York Component of the Lake Champlain Long-term Monitoring Program 2025

Project Summary

This project is for 2025 field and lab work as part of the Lake Champlain Long-Term Monitoring Program (LTMP) New York component. We will conduct field sampling on 15 lake sites for water quality and biota, 2 additional sites for Mysid sampling and NY tributary sites for LTMP throughout the field season. We will also complete laboratory processing of all phytoplankton, zooplankton, Mysid and Spiny/Fishhook waterflea net samples. All work will be in accordance with the approved LTMP QAPP, the high-frequency monitoring program (buoy) QAPP, and the MET station QAPP.

Outputs:

LTM data sets for 2025 field sampling.

Outcomes:

Continued monitoring and data to inform Lake Champlain LCBP opportunities for action plan.

Organization: Research Foundation for SUNY
(Plattsburgh campus)

Contact Person: Dr. Tim Mihuc

Mailing Address: P.O. Box 9
Albany, NY 12201-0009

Phone: 518-564-2155

E-mail: mihuctb@plattsburgh.edu

Website: www.rfsuny.org

NEIWPCC Code: LS-2025-042
EPA: 0373-002-002
Start Date: 08/27/2025
Close Date:
Grant Amount: \$208,000.00
Non-federal Match:
Total Amount: \$208,000.00

2024 Program Grants

in progress

New York Component of the Lake Champlain Long Term Monitoring Program 2024

Project Summary

This project will cover 2024 field and lab work as part of the Lake Champlain Long-Term Monitoring Program (LTMP) New York component. Field sampling on 15 lake sites for water quality and biota, 2 additional sites for Mysid sampling and NY tributary sites for LTMP will be conducted throughout the field season. Laboratory processing of all phytoplankton, zooplankton, Mysid and Spiny/Fishhook waterflea net samples will be completed. All work will be in accordance with the approved LTMP QAPP.

Outputs:

- LTM field sampling 2024 season
- Install and maintain LTM data buoy
- Maintain MET stations
- lab sample analysis for zooplankton, phytoplankton, Mysid and SWF/FWF

Outcomes:

- improve scientific knowledge and understanding of water quality conditions and trends in Lake Champlain and the effectiveness of management approaches

Organization: SUNY Plattsburgh

Contact Person: Tim Mihuc
Lake Champlain Research Institute

Mailing Address: 101 Broad Street
Plattsburgh, NY 12901

Phone: 518-564-3039

E-mail: mihuctb@plattsburgh.edu

Website: <https://www.plattsburgh.edu/academics/lake-champlain-research-institute/index.html>



LTMP field crew.



NEIWPCC Code: LS-2024-072
EPA: 0368-002-002
Start Date: 7/25/2024
Close Date:
Grant Amount: \$205,250.00
Non-federal Match:
Total Amount: \$205,250.00

2022 Program Grants

concluded

New York Component of the Lake Champlain Long Term Monitoring Program 2023

Project Summary

This project will cover 2022 field and lab work as part of the Lake Champlain Long-Term Monitoring Program (LTMP) New York component. Field sampling on 15 lake sites for water quality and biota, 2 additional sites for Mysid sampling and NY tributary sites for LTMP will be conducted throughout the field season. Laboratory processing of all phytoplankton, zooplankton, Mysid and Spiny/Fishhook waterflea net samples will be completed. All work will be in accordance with the approved LTMP QAPP.

Outputs:

- LTM field sampling 2022 season
- Install and maintain LTM data buoy in Mallet's Bay
- lab sample analysis for zooplankton, phytoplankton, Mysid and SWF/FWF

Outcomes:

- improve scientific knowledge and understanding of water quality conditions and trends in Lake Champlain and the effectiveness of management approaches

Organization: SUNY Plattsburgh

Contact Person: Tim Mihuc
Lake Champlain Research Institute

Mailing Address: 101 Broad Street
Plattsburgh, NY 12901

Phone: 518-564-3039

E-mail: mihuctb@plattsburgh.edu

Website: <https://www.plattsburgh.edu/academics/lake-champlain-research-institute/index.html>



LTMP field crew in 2021 sampling site 19.



NEIWPCC Code: LS-2022-069
EPA: 0357-002-001
Start Date: 8/2/2022
Close Date: 10/8/2024
Grant Amount: \$205,250.00
Non-federal Match:
Total Amount: \$205,250.00

2022 Program Grants

concluded

NRCC Trees for Streams Program

Project Summary

The State Natural Resources Conservation Council (NRCC) and Vermont's Natural Resources Conservation Districts will improve riparian habitats and protect water quality by planting a minimum of 30 acres of woody buffers in priority watersheds located throughout the Lake Champlain Basin. A final report will detail before and after planting photos, lists of future planting locations, and will include associated press releases, blog posts, and other outreach efforts.

Outputs:

- minimum of 30 acres (estimated 25,000 linear feet) planted, high quality riparian buffer restoration
- signed landowner agreements, with a 10-year minimum O&M plan

Outcomes:

- reduction of sediment and nutrient (phosphorus) runoff into waterways
- improved water quality (Districts who monitor water quality will try to show the link between the new buffer and water quality improvement)
- improved water temperature (and fish populations)
- improved habitat along streams, restoration of habitat including river corridors and habitat connectivity, increased native species with the potential reduction of invasive plants
- long-term (a minimum of 10 years) river corridor protection along these riparian areas
- community engagement and increased awareness of the environmental benefit of this work leading to behavior change
- increased awareness of efforts to improve water quality in Lake Champlain and information about viable planting locations for ongoing planting work.

Organization: State Natural Resources Conservation Council (NRCC)

Contact Person: Holden Sparacino

Mailing Address: P.O. Box 231
Waitsfield, VT 05673

Phone: (408) 472-2622

E-mail: holden.sparacino@vacd.org

Website: vacd.org



1.7 acre riparian buffer being installed along the Rock River/ Bullis Pond by Franklin County NRCD in Spring 2021



NEIWPCC Code: LS-2021-077
EPA: 0357-002-001
Start Date: 1/7/2022
Close Date: 4/22/2025
Grant Amount: \$245,334.00
Non-federal Match: \$ 20,000.00
Total Amount: \$265,334.00

2022 Program Grants

concluded

Reconnecting VT Rivers through Dam Removal in the Lake Champlain Basin

Project Summary

This project continues VNRC's work to restore aquatic habitat, river connectivity and natural riverine transport processes by removing dams that no longer serve a useful purpose. This project targets four (4) dams that have been selected based on ecological benefit for removal, hazard mitigation, landowner and stakeholder support, and distribution throughout the LCB. Grant funds will be applied to contracts for feasibility, preliminary design, and construction removal of these four projects and scoping to prioritize additional projects.

Outputs:

- identify dams that no longer serve a useful purpose
- prioritize dams based on their ecological impact
- collaborate with dam owners, watershed groups and local communities to remove dams and restore river and stream function.

Outcomes:

- raise awareness of the impact of dams on river connectivity, aquatic organism passage water quality, public safety, flood resilience and economics;

Organization: Vermont Natural Resources Council

Contact Person: Karina Dailey

Mailing Address: 9 Bailey Avenue
Montpelier, Vermont 05602

Phone: 802.881.3423

E-mail: kdailey@vnrc.org

Website: <https://vnrc.org/>



Pelletier Dam is targeted for removal



NEIWPCC Code: LS-2021-071
EPA: 357-003
Start Date: 10/25/2021
Close Date: 1/13/2025
Grant Amount: \$ 270,000.00
Non-federal Match: \$ 48,000.00
Total Amount: \$318,000.00

2022 Program Grants

in progress

Rock River Sub-watershed Drainage Network System

Project Summary

The Friends of Northern Lake Champlain (FNLC) will partner with an environmental consultant and the VT Department of Environmental Conservation (VT DEC) to complete novel ditch and tributary assessments of the Rock River, coupled with water quality (WQ) monitoring to determine the source of stressors and the effectiveness of agricultural best management practices (BMPs) implemented in the watershed. A report will provide site specific information to farmland owners to help them better prioritize their limited resources, to demonstrate where successes occur, and to incentivize additional WQ improvement work.

Outputs:

- two years of WQ monitoring data at up to 10 sites along the Rock River
- a cumulative report documenting the assessments of the drainage networks chosen for this study, including but not limited to, problem areas, upslope BMP implementation, and project opportunities.

Outcomes:

- improvement of WQ in Lake Champlain by identifying key segments of the Rock River which are most responsible for contributing sediment-bound phosphorus into Missisquoi Bay
- better understanding among landowners in the watershed about BMP effectiveness.

Organization: Friends of Northern Lake Champlain

Contact Person: Bridget Butler

Mailing Address: PO Box 1145
Saint Albans, VT 05478

Phone: 802-373-1998

E-mail: bbutler@friendsofnorthernlakechamplain.org

Website: <https://www.friendsofnorthernlakechamplain.org/>



NEIWPCC Code: LS-2023-001
EPA: 0364-002-001
Start Date: 2/7/2023
Close Date:
Grant Amount: \$129,469.00
Non-federal Match: \$ 4,234.00
Total Amount: \$133,703.00

2025 Technical Projects for Clean Water

in progress

Volunteer Coordination and Training for the 2025 Lake Champlain Cyanobacteria Monitoring Program

Project Summary

The Lake Champlain Committee (LCC) will implement its portion of the 2025 Lake Champlain cyanobacteria monitoring program, which includes recruitment, training, oversight and support of volunteer monitors; program development and revisions; and public outreach to raise awareness of cyanobacteria, all to support the overall program purpose of expanding the existing database of information by providing ongoing assessments of conditions and publicizing assessment results in order to educate community members about water quality and keep the public safe from blooms. The monitoring season has expanded over time in response to fall blooms and due to the availability of a dedicated cadre of volunteer monitors. In addition, we are now witnessing types of cyanobacteria not regularly seen in the past, some of which can be difficult to identify.

Outputs:

- preliminary PDF of training materials, monitor toolkit and online and hard copy educational information, and internal guidance documents for key aspects of the program;
- a schedule and details of training sessions, public forums, and community mailings;
- data on monitoring results;
- compilation of weekly monitoring reports;
- draft preliminary compilation of monitoring data, monitor and partner feedback results;
- draft outline of 2026 monitoring program;
- approved quarterly reports and final report.

Outcomes:

- a trained cadre of dedicated monitors who accurately assess and report conditions, a public cyanobacteria monitoring database that is updated on a timely basis, and a more educated regional community of people who are aware of cyanobacteria blooms and how and why to avoid them.

Organization: Lake Champlain Committee
Contact Person: Jenny Patterson

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 Burlington, VT 05401
Phone: 802-658-1421
E-mail: jennyp@lakechamplaincommittee.org
Website: www.lakechamplaincommittee.org

NEIWPCC Code: LS-2025-042
EPA: 0373-003-001
Start Date: 08/27/2025
Close Date:
Grant Amount: \$121,275.00
Non-federal Match:
Total Amount: \$121,275.00

HEALTHY ECOSYSTEMS



BY THE NUMBERS

- 250,000+** number of stems in production with funding from 8 active native tree nursery grant projects
- 1,090** interceptions of invasive species on boats at Lake Champlain launches
- 30** Healthy Ecosystems implementation grants awarded
- 9.8** miles of stream habitat opened upstream of 5 removed barriers to aquatic organism passage.
- 0** detections of invasive round goby in Lake Champlain



Evaluating road-stream crossing with landowners.



A view of the recently launched Ausable Conservation Nursery in Lake Placid, NY.

Program Highlights

- Supported the development of the Champlain Canal aquatic invasive species barrier Phase II Project Agreement with LCBP/NEIWPC and NYSDEC.
- Led efforts in VT and NY to prioritize, administer, and fund aquatic organism passage barrier removal projects.
- Managed 26 boat launch stewards at 15 public access launches on Lake Champlain, where 22,179 watercraft were inspected and aquatic invasive

species were intercepted 1,090 times.

- Coordinated AIS Rapid Response Task Force activities concerning the early detection monitoring and response to invasive species, including round goby, grass carp, and golden clam.
- Hosted the Northeast Aquatic Plant Management Society annual conference in Saratoga Springs, NY, with over 250 participants.
- Hosted a day-long workshop to build capacity for aquatic organism passage projects for 100 project managers, engineers, contractors, and agency partners.

Grant and Research Project Highlights

Assessing the Management and Impact of Private Road Crossings in the Lake Champlain Basin

To assess the impact of private roads on aquatic habitat connectivity, a SUNY Plattsburgh research team used remote sensing, field methods, and interviews to evaluate road-stream crossings and landowner perspectives on Best Management Practices.

New York Aquatic Plant Harvesting Equipment Upgrade

The Town of Dresden, New York upgraded its aquatic plant harvesting equipment in order to continue participating in lake-wide water chestnut harvesting, with a focus on the South Lake.

Ausable Conservation Nursery

The Ausable Freshwater Center launched the Ausable Conservation Nursery in Lake Placid, New York, to address the growing demand for native plant stock grown in the northeast and to source local, native plants for its planting projects.

Lake Eden Eurasian Watermilfoil Spread Prevention and Management

The Town of Eden, in partnership with the Lake Eden Association, organized and managed a comprehensive treatment plan to mitigate Eurasian Watermilfoil in Lake Eden, including 3 diver-assisted treatments, a team of 7 volunteer hand harvesters, and a team of 15 volunteers.

Removal of the Brooklyn Street Dam

Friends of the Winooski River removed a dam in Barre, VT on the Stevens Branch of the Winooski River, reconnecting 2.24 miles of upstream habitat. Interpretive signage and publicity efforts will engage the public on the region's history of water power and opportunities for ecological restoration.

SUNY Plattsburgh

Ausable Freshwater Center

2025 AIS Spread Prevention Grant

in progress

Adirondack AIS Spread Prevention through Increased Awareness and Action

Project Summary

To reduce the spread of aquatic invasive species through boater education and watercraft inspection services at the popular Lake Colby boat launch in Saranac Lake, NY, and engaging the wider community in the Lake Champlain Basin. This project will provide a Paul Smith's College Adirondack Watershed Institute (AWI) Watercraft Inspection Steward to inform and educate visitors about the negative impacts of aquatic invasive species (AIS) and provide voluntary watercraft inspections at the Lake Colby boat launch in Saranac Lake, NY three (3) days per week from Memorial Day weekend to Labor Day. Funding of the position will enable the collection of Watercraft Inspection Steward Program Application (WISPA) data on a consistent basis thereby providing invaluable information to lake managers. AWI will continue to provide AIS Spread Prevention Workshops to community organizations throughout the basin interested in learning about aquatic invasive species, how they can prevent their spread, and how to raise awareness with their friends, neighbors and public.

Outputs:

- Recruit, hire and train a Watercraft Inspection Steward for the Lake Colby launch.
- Promotion via press release, social media, email newsletter and within partner network.
- Steward will provide education to boaters on AIS spread prevention measures, conduct watercraft inspections for AIS and as needed, recommend decontaminations of the watercraft.
- Education & Outreach Manager and staff will provide AIS spread prevention workshops to five (5) community organizations and attend five (5) community events.

Outcomes:

- Greater public awareness on the impacts of AIS and how to prevent the spread will lead to boaters altering their behavior and implementing clean, drain, dry practices on their own.

Organization: Paul Smith's College Adirondack Watershed Institute
Contact Person: William Brosseau
Mailing Address: Paul Smith's College, PO Box 265
 Paul Smiths, NY 12970
Phone: 518-327-6145
E-mail: bbrosseau@paulsmiths.edu
Website: <https://www.adkwatershed.org/>

- Prevention of the spread of AIS by the Steward conducting thorough watercraft inspections.
- Descriptive statistics on recreational use and AIS at the Lake Colby boat launch.
- opportunity to have a positive impact with people and the waters in the community.

NEIWPCC Code: LS-2025-070
EPA: 0373-003-001
Start Date: 05/13/2025
Close Date:
Grant Amount: \$21,724.00
Non-federal Match: \$968.00
Total Amount: \$22,688.00

2024 AIS Spread Prevention Grant

in progress

Adirondack Aquatic Invasive Species Spread Prevention in the Lake Champlain Basin through Increased Awareness

Project Summary

To reduce the spread of aquatic invasive species (AIS) through boater education and watercraft inspection services at five (5) boat launches in the Lake Champlain Basin. In addition, conduct initial outreach to 6- 12 community organizations and provide two (2) presentations/ trainings on aquatic invasive species identification, watercraft inspections, and speaking with friends, neighbors, and visitors on the impacts of AIS.

Outputs:

- stewards deployed at 5 boat launches
- visitor interactions
- watercraft inspections
- data collection
- AIS removal.

Outcomes:

- increase in the public's willingness to adhere to Clean, Drain, Dry measures, and prevention of further spread of AIS in these waterbodies.

Organization: Paul Smith's College - AWI

Contact Person: Bill Brosseau

Mailing Address: P.O. Box 265
Paul Smiths, NY 12970

Phone: 518-327-6171

E-mail: bbrosseau@paulsmiths.edu

Website: adkwatershed.org



AWI watercraft inspection steward and recreationist at Upper Saranac Lake NYS DEC launch. Credit PSC AWI.



NEIWPCC Code: LS-2024-080
NOAA 0367-003-001
Start Date: 5/17/2024
Close Date:
Grant Amount: \$100,000.00
Non-federal Match: \$ 10,485.00
Total Amount: \$110,485.00

2024 AIS Spread Prevention Grant

concluded

AIS Management and Spread Prevention Equipment Replacement

Project Summary

The one-time equipment purchase made possible through this grant will support Aquatic Invasive Species (AIS) control methods that help further prevent the spread of AIS, maintain healthy ecosystems, promote native species in their natural habitats, and provide economic value through recreation, tourism and sportsmanship. Support from this grant will allow the Upper Saranac Foundation (USF) to replace a well-used outboard motor engine for the most utilized diver workboat. This will enhance the ability of the USF to provide reliable and ongoing successful AIS harvesting services for waterbodies in the headwaters of the Champlain Basin watershed. Consistent and dependable equipment provides the assurance needed to support continued harvesting efforts, allowing for effective long-term AIS management.

Outputs:

- purchase outboard motor engine

Outcomes:

- aquatic invasive species spread prevention
- maintain healthy ecosystems and promote native species in their natural habitats
- provide economic value through recreation, tourism and sportsmanship

Organization: Upper Saranac Foundation

Contact Person: Guy Middleton

Mailing Address: PO Box 564
Saranac Lake, NY 12983

Phone: 518 796-1052

E-mail: lakemanager@usfoundation.net

Website: usfoundation.net



Upper Saranac Foundation Aquatic Invasive Dive Team and work boat – Fish Creek Campground. Photo: Guy Middleton, Upper Saranac Foundation Lake Manager

NEIWPCC Code: LS-BIL-2024-123
EPA 0365-003-005
Start Date: 1/12/2024
Close Date: **2/5/2025**
Grant Amount: \$22,354.00
Non-federal Match: \$ 385.00
Total Amount: \$22,739.00



2025 AIS Spread Prevention Grant

in progress

AIS River Steward for the Ausable River/Northern Champlain Region, NY

Project Summary

The Ausable Freshwater Center's (formerly Ausable River Association's) river steward program protects the Ausable River watershed's healthy ecosystems from invasive species through riverside and integral public event outreach and education, and the monitoring and treatment of invasive species throughout the basin. The river steward program protects the Ausable River, its tributaries, lakes, and the riverine corridor from aquatic invasive species to ensure healthy aquatic and riparian ecosystems. In 2025 the river steward will continue to deliver critical aquatic invasive species (AIS) education and prevention on-river and at public events during the angling and river recreational season by distributing the spread prevention message in conversations, serving as an information resource to the public (especially river users), monitoring the Ausable River and watershed lakes for presence or absence of AIS, overseeing the distribution of educational materials, and maintaining wader wash stations across the watershed.

Outputs:

- number of days the river steward is out on the river surveying, the number of surveys taken, anglers educated, the number of events attended, and the number of people engaged at event
- 2-3 blog posts and 12 social media posts throughout the season

Outcomes:

- increase in human awareness and action that is integral to spread prevention, early identification, and a reduction in invasive species infestations in the watershed. Residents and visitors of the watershed will gain an understanding of the threat AIS pose to aquatic ecosystems and recreation and the steps they can take to prevent the spread and introduction of invasive species.
- reduction in the spread and introduction of both aquatic and terrestrial invasive species due to intact biodiverse aquatic and riparian habitats

Organization: Ausable Freshwater Center (formerly Ausable River Association)

Contact Person: Carrienne Pershyn

Mailing Address: 5698 NYS Route 86
Wilmington, NY 12997

Phone: 518-637-6859

E-mail: carrie@ausablecenter.org

Website: ausablecenter.org

NEIWPCC Code:	LS-2025-051
EPA:	0373-003-001
Start Date:	04/17/2025
Close Date:	
Grant Amount:	\$25,000.00
Non-federal Match:	\$1,500.00
Total Amount:	\$26,500.00

2024 Spread Prevention Grant

in progress

Aquatic Invasive Species Surveying and Mapping Within Trout Lake and Glen Lake

Project Description

This project will be a two-year study, identifying and mapping Aquatic Invasive Species (AIS) in Glen Lake and Trout Lake. At the end of the project, maps of the lakes will be produced with the AIS of each lake being cataloged. In addition, we will have photos and video of the aquatic macrophyte communities of both lakes in situ, providing a better understanding of the biology, species composition, and AIS presence and density within the lakes.

Outputs:

- AIS catalogued and maps produced for each lake

Outcomes:

- better understanding of the biology, species composition, and AIS presence and density within the lakes.

Organization: Warren County Soil and Water Conservation District

Contact Person: Jake Dunkely

Mailing Address: 394 Schroon River Road
Warrensburg, NY 12885

Phone: (518) 623-3119

E-mail: jaked@warrenswcd.org

Website: <https://warrenswcd.org/>



This photo shows Curly-Leaf Pondweed (Potamogeton crispus) taken on other aquatic plant surveys by the District.



NEIWPCC Code: LS-2024-076
EPA 367-003-001
Start Date: 5/10/2024
Close Date:
Grant Amount: \$22,913.00
Non-federal Match: \$ 5,228.00
Total Amount: \$28,141.00

2024 Spread Prevention Grant

concluded

Boat Launch Stewards at Lake Carmi

Project Description

The purpose of this project is to prevent the spread of aquatic invasive species and to educate community members about the dangers of aquatic invasive species. Boat launch stewards will be stationed at the North Shore and Lake Carmi State Park boat launches to survey water crafts entering and leaving the lake for aquatic invasive species. Educational material will also be circulated to community members via newsletters, blog posts, and social media posts in order to inform folks of the work we are doing and the harm that these organisms can cause.

Outputs:

- watercraft surveys
- educational material circulated via newsletters, blog posts, and social media posts

Outcomes:

- aquatic invasive species spread prevention

Organization: Franklin Watershed Committee

Contact Person: Julia Crocker

Mailing Address: PO Box 79
Franklin, VT 05457

Phone: (802) 825-1243

E-mail: juliamarieaocker@gmail.com

Website <https://www.franklinwatershed.org/>



Lake Carmi State Park boat launch.



NEIWPCC Code:	LS-2024-058
EPA	367-003-001
Start Date:	5/29/2024
Close Date:	3/25/2025
Grant Amount:	\$12,357.00
Non-federal Match:	
Total Amount:	\$12,357.00

2024 Spread Prevention Grant

in progress

Bristol Pond and Monkton Pond Boat Launch Steward Initiative and Lewis Creek Knotweed Initiative

Project Description

This project is a continuation of the annual 12-week boat launch steward program at Bristol Pond and Monkton Pond to reduce the spread of aquatic invasive species in and out of these water bodies and throughout Vermont and the U.S. In addition, the knotweed initiative will be expanded to include a second demonstration control site, which will reduce the spread of knotweed and encourage members of the public to manage knotweed on their own properties or sections of creek. Outputs will include an end of season report for the boat launch steward program, a summary of knotweed control efforts, press releases, and quarterly and final reports. In addition, the proposed projects will reduce aquatic invasive species at Bristol Pond, reduce knotweed at two demonstration sites, and educate the public about aquatic invasive species and stewardship of shared resources.

Outputs:

- an end of season report for the boat launch steward program
- a summary of knotweed control efforts
- press releases

Outcomes:

- better informed public of aquatic invasive species, and becoming better stewards of shared resources
- reduced aquatic invasive species at Bristol Pond.
- increased understanding of knotweed distribution
- a reduced population of knotweed

Organization: Lewis Creek Association

Contact Person: Kate Kelly

Mailing Address: PO Box 313
Charlotte, VT 05445

Phone: (802) 488-5203

E-mail: lewiscreekorg@gmail.com

Website: lewiscreek.org



NEIWPCC Code: LS-2024-059
NOAA 367-003-001
Start Date: 5/21/2024
Close Date:
Grant Amount: \$24,341.00
Non-federal Match: \$ 760.00
Total Amount: \$25,041.00

2022 AIS Spread Prevention Grant

in progress

Bristol Pond and Monkton Pond Boat Launch Steward Initiative and Lewis Creek Knotweed Initiative

Project Description

This project will continue a 12-week boat launch steward program at Bristol Pond and Monkton Pond, in order to reduce the spread of aquatic invasive species in and out of these water bodies and throughout the U.S. In addition LCA will initiate a knotweed outreach and control project in the Lewis Creek watershed, with the objective of educating the public and providing them with knowledge to perform non-chemical knotweed control on riparian properties through a demonstration control project (which will reduce sediment and phosphorus loading via reduced streambank erosion).

Outputs:

- end of season report for the boat launch steward program
- a public meeting
- outreach materials
- press release & social media posts

Outcomes:

- better informed public of aquatic invasive species, and becoming better stewards of shared resources
- reduced aquatic invasive species at Bristol Pond.
- increased understanding of knotweed distribution
- a reduced population of knotweed

Organization: Lewis Creek Association

Contact Person: Katherine Kelly

Mailing Address: PO Box 313
Charlotte, VT 05445

Phone: (802) 488-5203

E-mail: lewiscreekorg@gmail.com

Website: www.lewiscreek.org



A stand of knotweed at the demonstration site, just upstream from Lewis Creek. Photo by Kate Kelly.



NEIWPCC Code: LS-2023-056
EPA 0364-003-001
Start Date: 6/29/2023
Close Date:
Grant Amount: \$20,000.00
Non-federal Match: \$ 1,941.00
Total Amount: \$21,941.00

2024 AIS Spread Prevention Grant

in progress

Caspian Lake Decontamination Station

Project Summary

The Greensboro Association will build and maintain a Decontamination Station to support the VT Public Access Greeter Program efforts to prevent the spread of Aquatic Invasive Species by boats and trailers at the headwaters of the Lamoille River Basin which feeds to the Lake Champlain Basin.

Outputs:

- construction of a decon station

Outcomes:

- aquatic invasive species spread prevention

Organization: Greensboro Association
Contact Person: Stewart Arnold
Mailing Address: PO Box 43
 Greensboro, VT 05841
Phone: 802-533-2356
E-mail: stewarnold@hotmail.com
Website: greensboroassociation.org



Dropped Pin at Project Site



NEIWPCC Code: LS-BIL-2024-028
EPA 0365-003-005
Start Date: 4/9/2024
Close Date:
Grant Amount: \$21,750.00
Non-federal Match: \$ 4,028.00
Total Amount: \$25,778.00



2025 AIS Spread Prevention Grant

in progress

Champlain Aquatic invasive Monitoring Program - CHAMP 2025

Project Summary

The Champlain Aquatic invasive Monitoring Program (CHAMP) is a community science project where LCC will recruit, train, and support volunteers to survey and report on conditions at New York, Vermont, and Quebec shoreline sites for aquatic invasive species (AIS) at least three times during the July through October 2025 monitoring season to aid in early detection of AIS and to further educate and engage community members about AIS spread prevention and foster stewardship. LCC successfully piloted CHAMP in 2023, expanded it in 2024, and are poised to grow it further in 2025 to expand geographic coverage and public involvement. LCC will recruit, train and support a cadre of CHAMP volunteers to survey both public and private sites along Lake Champlain's shoreline for AIS and host educational sessions to help raise awareness about aquatic invasive species and foster public engagement in stewardship efforts.

Outputs:

- Outreach plan with educational materials and detailed information on action steps to promote CHAMP
- Recruitment materials
- CHAMP toolkit and equipment
- Updated CHAMP manual for volunteers
- Updated database recording CHAMP outreach and volunteer commitments
- CHAMP trainings planned and scheduled
- CHAMP events coordinated with partners, planned and scheduled
- CHAMP volunteers recruited for 2025 season
- Multi-step training program with virtual, recorded, and on-site trainings and all 2025 volunteers trained and provided with equipment
- Zoom drop-in session
- Communications with CHAMP volunteers throughout the season
- CHAMP volunteers spotlighted
- Survey session(s) held for public
- LCC database updated with CHAMP 2025 data

Organization: Lake Champlain Committee
Contact Person: Lori Fisher
Mailing Address: 208 Flynn Avenue, Building 3, Studio 3F
Burlington, VT 05401
Phone: 802-658-1421
E-mail: lorif@lakechamplaincommittee.org
Website: www.lakechamplaincommittee.org

- Water chestnut harvesting or Corbiculae assessment held
- Student-centered AIS educational program held
- Printed AIS information
- Updated internal guidance document
- NEAPMS Plant Camp attended

Outcomes:

- fill an important data gap in AIS surveying as state agencies lack the staffing or funding resources to cover Lake Champlain and to further educate and engage community members on AIS detection and spread prevention.
- help meet the *Opportunities for Action* Healthy Ecosystem goal to “Conduct and coordinate AIS monitoring and implement the Great Lakes and Lake Champlain Invasive Species Program which supports the early detection of the spread of existing AIS to new bodies of water in the basin or new arrivals of AIS to Basin waters,” (OFA Task Area II.E.1)
- advance understanding of the spread of AIS in Lake Champlain, and broadly raise awareness of AIS in Lake Champlain.
- aid in early detection of species not yet discovered,
- educate and involve volunteers on AIS--an issue critical to the lake's ecological health, and

NEIWPC Code:	LS-2025-054
EPA:	0373-003-001
Start Date:	04/15/2025
Close Date:	
Grant Amount:	\$25,000.00
Non-federal Match:	\$15,655.00
Total Amount:	\$40,655.00

2023 AIS Spread Prevention Grant

concluded

Champlain Aquatic Invasive Monitoring Program -- CHAMP

Project Description

In 2024, the Lake Champlain Committee (LCC) will continue CHAMP, a program piloted in 2023. This is a community science project that trains volunteers in identification and surveying methods for aquatic invasive species (AIS). LCC will focus on expanding participation in New York and will recruit and train NY, QC, and VT volunteers to survey and report on select sites in the main Lake Champlain segments for target AIS to cover data gaps, broaden awareness of AIS, and assist with spread prevention.

Outputs:

- recruitment materials (forms, emails, press releases, articles, and social media postings)
- an outreach and engagement plan
- commitments from at least 20 volunteers and increased NY volunteer participation
- a CHAMP toolkit with guidance materials and visuals, updated survey data sheets and submission forms
- in-person training sessions for volunteers (at least one in Vermont and one in New York) and at least one virtual check-in session during by late summer,
- a water chestnut harvesting and an Asian clam assessment event to provide opportunities for the broader public to participate in AIS monitoring, removal, and spread prevention
- data from AIS surveys, and
- an internal guidance document on how to implement the program to help ensure program continuity through staffing changes and in subsequent years.

Outcomes:

- aquatic invasive species prevention

Organization: Lake Champlain Committee

Contact Person: Eileen Fitzgerald

Mailing Address: 08 Flynn Ave. Building 3
Suite 3F Burlington VT 05401

Phone: (802) 658-1414

E-mail: eileenf@lakechamplaincommittee.org

Website: lakechamplaincommittee.org



Elisa Nelson, a volunteer with LCC's Champlain Aquatic Invasive Monitoring Program (CHAMP), tosses an aquatic species rake to survey for invasives. Invasive species are a major threat to the ecological integrity of Lake Champlain and CHAMP volunteers like Elisa play a key role in monitoring their spread and early detection of new invaders.



NEIWPCC Code: LS-2024-078
NOAA 367-003-001
Start Date: 4/24/2024
Close Date: 4/29/2025
Grant Amount: \$25,000.00
Non-federal Match: \$20,405.00
Total Amount: \$45,405.00

2025 AIS Spread Prevention Grant

in progress

2025 Chazy Lake Milfoil Spread Prevention Project

Project Summary

This project will secure a professional Eurasian watermilfoil (EWM) harvesting company to remove approximately 5,000 gallons of EWM from Chazy Lake during a two-week period in the summer of 2025. CLWI plans to engage a professional EWM company to harvest EWM during a two-week period in the summer of 2025. CLWI plans to solicit competitive proposals from three or more professional EWM harvesting companies during the winter of 2024/25. CLWI anticipates that the Town of Dannemora will contribute \$10,000 toward EWM harvesting during the summer of 2025, which will further leverage LCBP's grant.

Outputs:

- The output of the 2025 Chazy Lake Milfoil Spread Prevention Project will be the removal of approximately 5,000 gallons of EWM from Chazy Lake.
- CLWI is hopeful that by focusing its EWM removal efforts on the high-traffic areas of the Lake, CLWI will be able to better control the spreading of the EWM. The removal of this invasive species from Chazy Lake will promote the growth of native plants and animals, which will help return Chazy Lake to its former glory as one of the most pristine lakes in the Lake Champlain Basin.

Outcomes:

- The anticipated reduction of EWM in Chazy Lake will allow native vegetation and animal life to flourish to a greater extent.
- The residents and visitors will experience greater enjoyment of Chazy Lake with respect to swimming, fishing, and sailing without interference from EWM in the harvested areas.
- The residents and visitors of Chazy Lake will obtain a better understanding of their environment and the importance of protecting and preserving Chazy Lake for future generations.

Organization: Chazy Lake Watershed Initiative, Inc.
Contact Person: Paul W. Wilke
Mailing Address: PO Box 34
 Waterford, VA 20197
Phone: 703-819-3688
E-mail: pwwilke@verizon.net
Website: chazylake.org

NEIWPCC Code: LS-2025-052
 EPA: 0373-003-001
 Start Date: 04/09/2025
 Close Date:
 Grant Amount: \$25,000.00
 Non-federal Match: \$25,216.00
 Total Amount: \$50,216.00

2024 AIS Spread Prevention Grant

concluded

Chazy Lake Watershed Initiative EWM Removal

Project Summary

Chazy Lake Watershed Initiative (CLWI) plans to use its aquatic invasive species (AIS) grant to retain a professional Eurasian watermilfoil (EWM) harvesting company to remove approximately 10,000 gallons of EWM from Chazy Lake during a three-week period in the summer of 2024. CLWI's plan for the summer of 2024 is to focus its EWM removal efforts on areas adjacent to the State Boat Launch, which has the highest level of motorboat traffic in the Lake.

Outputs:

- anticipated removal of 10,000 gallons of EWM

Outcomes:

- aquatic invasive species spread prevention

Organization: Chazy Lake Watershed Initiative

Contact Person: Mark Denicore

Mailing Address: 40 Indian Point Way
Ellenburg Depot, NY 12935

Phone: 518 492-7537

E-mail: readingchic.lm@gmail.com

Website: <https://www.chazylake.org/>



During the summers of 2022 and 2023, CLWI engaged AE Commercial Diving Services (AE) to harvest EWM in Chazy Lake for several weeks each summer.

NEIWPCC Code: LS-2024-057
EPA 368-002-001
Start Date: 6/24/2024
Close Date: 4/29/2025
Grant Amount: \$25,000.00
Non-federal Match: \$23,592.00
Total Amount: \$48,592.00



2024 Spread Prevention Grant

concluded

Community Sailing Center Boat Launch: Aquatic Invasive Species Spread Prevention

Project Description

In 2024 the Community Sailing Center (CSC) will unveil a newly renovated waterfront infrastructure that will ensure lake access for all, for generations to come. The CSC's Burlington location ensures regional usage for lake-based education and recreation, including CSC's STEM, leadership, adaptive and diversity programs through which thousands of Vermonters and visitors currently learn about, play on, and learn to care for Lake Champlain. The objective of this project is to build a wash station as part of the new waterfront in order to prevent the spread of aquatic invasive species (AIS). Outputs include water and electric utilities at the water's edge, and signage that clearly directs boaters on the best practices of AIS spread prevention.

Outputs:

- water and electric availability at the waterfront by running water and electric lines through conduit from building at 505 Lake Street to the waterfront
- Create and install signage using LCBP language encouraging boaters to prevent the spread of AIS translated into at least 5 languages
- Signage will include QR codes that will link boaters to these translations hosted on CSC's website.
- publish press release

Outcomes:

- aquatic invasive species spread prevention
- boaters accessing CSC launch facilities, as well as children and adults accessing CSC programs and services will learn methods to prevent the spread of AIS.

Organization: Lake Champlain Community Sailing Center

Contact Person: Janet Callison

Mailing Address: 505 Lake Street
Burlington, VT 05401

Phone: 802-864-2499

E-mail: janet@communitysailingcenter.org

Website: www.communitysailingcenter.org



NEIWPCC Code: LS-2024-075
EPA 368-003-001
Start Date: 5/9/2024
Close Date: 6/11/2025
Grant Amount: \$25,000.00
Non-federal Match: \$ 8,500.00
Total Amount: \$33,500.00

2025 AIS Spread Prevention Grant

in progress

Fish Creek AIS Management Project

Project Summary

This grant will be used to remove, control and prevent the spread of two AIS species within the project area; Eurasian watermilfoil (*Myriophyllum spicatum*) and Variable-leaf watermilfoil (*Myriophyllum heterophyllum*) in Fish Creek Pond, NYSDEC Public Campground. This project is part of a watershed protection program that uses a combination of AIS prevention, surveying and monitoring, control activities, and outreach and education to inhibit AIS spread. The USF is committed to the long-term sustainability of this project and will support AIS management efforts, ensuring prolonged control and extended opportunities for eradication.

Outputs:

- hand-harvest AIS from the waters of Fish Creek Campground. Divers will harvest AIS, including the root system, from the sediment by hand and then bag the plants in mesh bags
- data from pre- and post-management plant surveys to demonstrate the effectiveness of its management efforts and techniques, including maps of infestation locations, the quantity of AIS removed (measured in pounds and by stem count), and AIS density levels.
- Public outreach via social media, signage, and press releases to ensure widespread dissemination of information.

Outcomes:

- preserving the pond's natural environment, protecting downstream waters from infestation, and preventing the export of populations of AIS to non-infested regional waters
- preserve, enhance, and protect the natural beauty, environmental quality, and recreational enjoyment of the Fish Creek Public Campground and the Upper Saranac Lake region.
- ensuring the sustainability of public resources by maintaining healthy ecosystems, promoting native species in their natural habitats

Organization: Upper Saranac Foundation

Contact Person: Guy Middelton

Mailing Address: PO Box 564
Saranac Lake, NY 12983

Phone: 518-637-8220

E-mail: lakemanager@usfoundation.net

Website: <https://usfoundation.net/>

- providing economic value through recreation, tourism, and sportsmanship.
- restore the campground's ponds while safeguarding this valuable resource.
- providing clear waterways and ensuring sustainability for future generations. Campground users will see information to educate themselves on how they can help reduce the spread of AIS. Experiencing the efforts required to manage and remove AIS once introduced will emphasize the importance of AIS spread prevention measures needed to be taken before launching watercraft. AIS spread prevention measures will be reinforced by Watershed Stewards stationed at the campground.

NEIWPCC Code:	LS-PO-2025-062
EPA:	0373-003-001
Start Date:	04/09/2025
Close Date:	
Grant Amount:	\$19,008.00
Non-federal Match:	\$4,192.00
Total Amount:	\$23,200.00

2024 AIS Spread Prevention Grant

concluded

Follensby Clear Pond Aquatic Invasive Species Removal

Project Description

This funding will subsidize the expansion of successful efforts to control and prevent the spread of invasive Eurasian watermilfoil in the Saranac Lake watershed, protecting downstream waters from infestation, and preventing the export of populations of AIS to non-infested regional waters. AIS plant control methods utilizing hand harvesting, will help prevent the spread of AIS, maintain native species in their natural habitats and provide economic value through recreation, tourism and sportsmanship. This project is consistent with the USF goals of providing clear waterways and ensuring the sustainability of our natural public resources for future generations. The USF is committed to the long-term sustainability of this project and will support ongoing AIS management efforts at this location past the initial intensive harvest period.

Outputs:

- hand-harvesting of EWM

Outcomes:

- control and prevent the spread of invasive Eurasian watermilfoil in the Saranac Lake watershed
- protecting downstream waters from infestation
- preventing the export of populations of AIS to non-infested regional waters

Organization: Upper Saranac Foundation

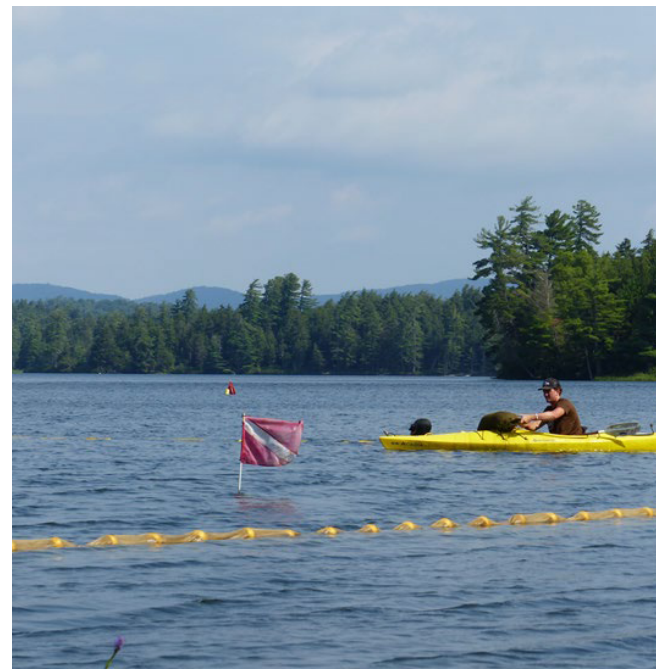
Contact Person: Guy Middleton

Mailing Address: PO Box 564
Saranac Lake, NY 12983

Phone: 518 796-1052

E-mail: lakemanager@usfoundation.net

Website: <https://usfoundation.net/>



AIS Management - dive operation. Harvests have yielded 16,711 pounds of milfoil since the project's inception in 2020.

Photo: Guy Middleton



NEIWPCC Code: LS-2024-061
EPA 368-002-001
Start Date: 5/21/2024
Close Date: 3/25/2025
Grant Amount: \$18,792.00
Non-federal Match: \$ 4,351.00
Total Amount: \$23,143.00

2024 AIS Spread Prevention Grant

concluded

Kayak Fleet for Water Chestnut Management with Conservation Crews

Project Summary

VYCC will purchase eight kayaks, associated gear and a van to enable more conservation crews to assist with management of invasive water chestnut. Our objective is to equip conservation crews with the materials they need to manage water chestnut in Lake Champlain and tributaries through hand-pulling. Our outputs will include purchasing new materials and running six additional crew weeks in the 2024 field season. We anticipate that the materials purchased for this project will last many years into the future, augmenting our continued capacity to participate in water chestnut management with VT DEC.

Outputs:

- purchasing new materials and running six additional crew weeks in the 2024 field season.
- purchase of(8) kayaks and (1) van

Outcomes:

- aquatic invasive species spread prevention

Organization: Vermont Youth Conservation Corps

Contact Person: Patrick Pfeifer

Mailing Address: 1949 E Main St
Richmond, VT 05477

Phone: (802) 560-4624

E-mail: patrick.pfeifer@vycc.org

Website: vycc.org



2023 VYCC conservation crew members paddle in Southern Lake Champlain with baskets full of harvested invasive water chestnut.

NEIWPCC Code: LS-BIL-2024-006

EPA 0365-003-005

Start Date: 4/18/2024

Close Date: 3/25/2025

Grant Amount: \$100,000.00

Non-federal Match: \$ 43,000.00

Total Amount: \$143,000.00



2022 AIS Spread Prevention Grant

concluded

Knockout Knotweed: the Knotweed Menace

Project Description

The goal of this project continues to be related to research of a comprehensible and effective non-chemical control strategy, in order for MRBA to provide guidance and recommendations for local landowners and community members to mitigate or eliminate the invasive species Japanese Knotweed.

Outputs:

- non-chemical control strategy
- data collection from treatment plots
- progression pictures
- handout distributed to community members.

Outcomes:

- stronger understanding of the proper removal and remediation techniques, as well as best management strategies for landowners to practice on their properties.
- stronger understanding of the viability of removal and remediation techniques,

Organization: Missiquoi River Basin Association

Contact Person: Lindsey Wight

Mailing Address: 2839 VT Route 105
East Berkshire, VT 05447

Phone: (802) 393-0076

E-mail: lindsey@mrbavt.com

Website: www.mrbavt.com



Monthly-cutting plot at Montgomery's Riverwalk Park in July, 2022. Although knotweed is still rampant around the plot, management within it has allowed native species, such as the mullein and raspberry in the front, to flourish.



NEIWPCC Code: LS-2023-034
EPA 0357-003-001
Start Date: 4/11/2023
Close Date: 9/17/2025
Grant Amount: \$ 8,102.00
Non-federal Match: \$ 4,466.00
Total Amount: \$12,568.00

2025 AIS Spread Prevention Grant

in progress

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Lake Carmi Boat Launch Stewards 2025

Project Summary

This project will fund two boat launch stewards at the North Shore and Lake Carmi State Park boat launches for the 2025 summer season. This project is for the hiring and stationing of two boat launch stewards at Lake Carmi for the 2025 summer season. They will work during the busy periods (early mornings and weekends) from Memorial Day to Labor Day. The steward working at the State Park boat launch will be responsible for working the watercraft decontamination device that will be on loan to us from the VTDEC. Information about aquatic invasive species spread and prevention will be distributed by the stewards and posted on social media by the coordinator.

Outputs:

- Two boat greeters hired and trained
- Special Use Permit from VT Fish & Wildlife for
- Schedule of days/hours boat greeters will be working at the boat launches
- Number of watercrafts inspected and invasive species removed recorded and submitted to DEC
- Periodic meetings conducted with greeters
- Number of folks educated through work and outreach

Outcomes:

- Risk of new aquatic invasive species infestations significantly decreased
- new infestations prevented
- better informed public

Organization: Franklin Watershed Committee
Contact Person: Julia Crocker
Mailing Address: PO Box 79
 Franklin, VT 05457
Phone: 802-825-1243
E-mail: juliamariecrocker@gmail.com
Website: <https://www.franklinwatershed.org/>

NEIWPCC Code: LS-PO-2025-50
EPA: 0373-003-001
Start Date: 04/24/2025
Close Date:
Grant Amount: \$19,935.00
Non-federal Match:
Total Amount: \$19,935.00

2025 Program Grant

concluded

Boat Launch Stewards 2025 (LCBP)

Project Summary

The 2023 season was the 17th year of the Lake Champlain Boat Launch Steward Program - the LCBP's three pronged approach to overland transport of aquatic invasive species (AIS) spread prevention is boat inspection and AIS removal, AIS education, and data collection and analysis.

Outputs:

- 56,511 people greeted and educated
- 22,179 watercrafts inspected
- 1090 AIS interceptions
- 743 boat decontaminations performed
- 26 boat launch stewards
- 15 public launch locations
- 4 boat decontamination stations
- 11.45% of boats surveyed carried an organism
- 5.2% of boats surveyed carried AIS

Outcomes:

- Reduce the spread of AIS within the Lake Champlain Basin.
- Prevent the introduction of aquatic invasive plants, animals, and pathogens via overland transport.
- Increase public understanding of, involvement in, and behavior change related to the spread, prevention, and control of AIS through education and outreach programs.

Organization: LCBP

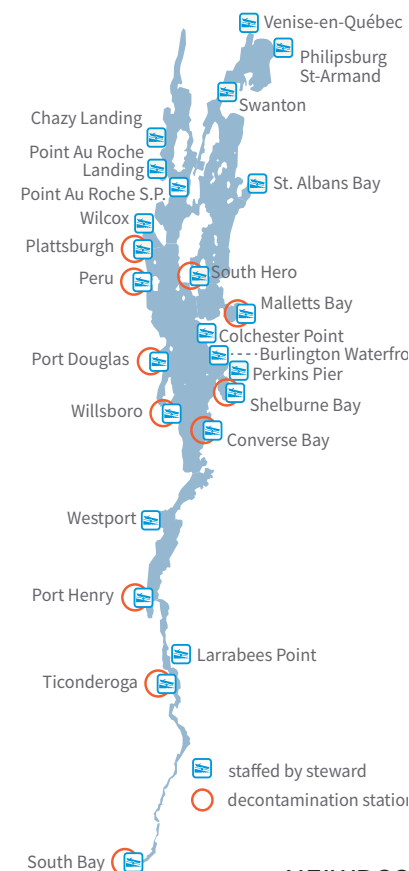
Contact Person: Meg Modley

Mailing Address: 54 West Shore Road
Grand Isle, VT 05458

Phone: 802 372-3213 x 215

E-mail: mmodley@lcbp.org

Website: <https://www.lcbp.org>



NEIWPCC Code: N/A

EPA/GLFC 0368-003-001/
0100-339-003

Start Date: 4/15/2025

Close Date:

Grant Amount: \$253,000.00/22,000.00

Non-federal Match:

Total: \$275,000.00

2021 Local Implementation Grant

concluded

Lake Champlain Aquatic Invasive Patrollers Project

Project Summary

LCC will expand the VT Invasive Patroller Program (VIP) in partnership with VTDEC to focus on Lake Champlain (LC AIPP) to engage community members to survey for aquatic invasive species (AIS) and to educate the public about spread prevention. The focus area is Lake Champlain shoreline areas through the submersed plant zone, approximately 15 to 20 feet into the water. LCC will recruit and train volunteers from all five main sections of Lake Champlain. Outputs include an LC AIPP toolkit with guidance materials, a survey data sheet and aquatic specimen submission form, three training sessions for volunteers, AIS identification cards, and a host of recruitment and educational materials (forms, emails, press releases, articles, and social media postings). Anticipated outcomes are to help fill an important data gap in AIS surveying as state agencies don't have the staffing or funding resources to cover the territory, and to further educate and engage community members on AIS detection and spread prevention.

Outputs:

- LC AIPP toolkit with guidance materials
- survey data sheet and aquatic specimen submission form
- three training sessions for volunteers
- AIS identification cards, and a host of recruitment and educational materials

Outcomes:

- fill an important data gap in AIS surveying
- educate and engage community members on AIS detection and spread prevention.

Organization: Lake Champlain Committee

Contact Person: Lori Fisher

Mailing Address: 208 Flynn Avenue, Building 3
Studio 3F | Burlington, VT 05401

Phone: 802 658-1421

E-mail: lorif@lakechamplaincommittee.org

Website: lakechamplaincommittee.org



University of Vermont student, Erin Cardoza, sifting the sandy shoreline near the mouth of the LaPlatte River in Shelburne Bay, VT for Asian clam, a non-native aquatic invasive species. Photo by LCC Director of Science & Water Programs, Lauren Sopher, © Lake Champlain Committee.

NEIWPCC Code: LS-2021-025
EPA 0346-003
Start Date: 3/26/2021
Close Date: 3/25/2025
Grant Amount: \$15,000.00
Non-federal Match: \$18,425.00
Total Amount: \$33,425.00



2025 AIS Spread Prevention Grant

in progress

Lake Eden Eurasian Watermilfoil Spread Prevention & Management

Project Summary

The Town of Eden, together with the Lake Eden Association, will arrange for contractors and volunteers to survey, apply all approved non-herbicidal treatments including DASH, hand harvesting, and the application of benthic mats on the lake bottom. A Post treatment survey will be conducted to determine the efficacy of the treatments.

The Lake Eden Association and the Town of Eden have worked together to prevent the further spread of Eurasian Watermilfoil, an invasive species first found in the Lake in 2022. By measuring the incidence of EWM, applying treatments such as benthic mats, DASH team, and hand-harvesting, and then again measuring the incidence of EWM, we can determine where the EWM exists, quantify its densities and the efficacy of the applied treatments to help control and maintain the spread of the EWM.

Outputs:

- Plant survey showing EWM remaining areas (map) and list of other observed invasives in and along Lake Eden.

Outcomes:

- Reduced numbers, densities, and/or sights of EWM plants.
- Increased pride in Lake Eden experienced by those who gave their time and effort to hand-harvest and assist with other mitigation initiatives.
- Increased awareness of the problem EWM presents among the broader community and those that utilize Lake Eden for business or recreational activities. This will be done through a result of social media posts, newsletters, press releases ,and educational posters.
- A lessened chance of spreading EWM throughout the rest of the Champlain Valley watershed.

Organization:	Town of Eden, VT
Contact Person:	Colleen Brennan
Mailing Address:	71 Old Schoolhouse Rd Eden Mills, VT 05653
Phone:	802-635-2528
E-mail:	cbrennanvt@gmail.com
Website:	www.edenvt.gov

NEIWPCC Code:	LS-2025-043
EPA:	0373-003-001
Start Date:	04/25/2025
Close Date:	
Grant Amount:	\$25,000.00
Non-federal Match:	\$6,499.00
Total Amount:	\$31,986.00

2024 Local Implementation Grant

concluded

Lake Eden Aquatic Invasive Spread Prevention and Management

Project Description

In early June, volunteers from the Vermont Invasive Patrollers (VIPs) and Hand-Harvest teams will conduct surveys to locate EWM growth. Surveys will target areas known to have had growth in the past while also surveying the entire littoral zone and low areas within the lake. Professional surveys performed in 2023 and diver-assisted suction harvesting (DASH) reports from 2023 will serve as guides.

DASH teams will reposition 28 Benthic blankets twice during the summer and harvest EWM during each of their three visits this summer. A trained volunteer Hand-Harvest Team will survey and hand-harvest EWM throughout the entire summer. Finally, a professional contractor will complete a post-treatment survey to measure progress as compared to the 2023 post-treatment survey. Progress will be measured in gallons of harvested EWM, density of EWM as compared to the end of the prior year, and counts of individual EWM plants in less densely-vegetated areas.

Outputs:

- development and implementation of a Lake Eden Eurasian water milfoil eradication effort
- calendar of trainings & management practices.
- conduct a pre and post aquatic plant survey prior to harvest.
- conduct harvest using volunteers, DASH team.
- purchase and use of equipment such as benthic barriers, wetsuits, snorkels, weight belts, net bags, fishing nets and underwater viewers.
- public presentations and social media posts

Outcomes:

- aquatic invasive species spread prevention and education and outreach in the Lake Champlain Basin
- new AIS threat is contained, managed, and/or eradicated

Organization: Town of Eden

Contact Person: Colleen Brennan

Mailing Address: 71 Old Schoolhouse Rd.
Eden Mills, VT 05653

Phone: (802) 635-2528

E-mail: clerk@edenvt.org

Website: edenvt.org



DASH Dump #2 - Summer of 2023
Photo by Colleen Brennan



NEIWPCC Code: LS-2024-060
EPA 368-003-001
Start Date: 5/29/2024
Close Date: 3/25/2025
Grant Amount: \$25,000.00
Non-federal Match: \$ 4,094.00
Total Amount: \$29,094.00

2025 AIS Spread Prevention Grant

in progress

Lake Elmore Eurasian Water Milfoil Management Plan and Greeter Program

Project Summary

This project will be a two-part approach through the use of a Milfoil Management Plan and a Greeter Program at the Lakes public boat access area in an effort to prevent the spread of Aquatic Invasive Species throughout the Lake Champlain Watershed. The Greeter Program will perform boat inspections on weekends (Friday –Sunday 8:00am – 8:00pm and holidays) and operate from Memorial Day until Labor Day. The Greeters will be responsible for approaching and interacting with boaters, inspecting watercraft, identifying and handling suspicious specimens, decontamination of boats and collecting and reporting data via survey 123

Outputs:

- Notify Diving Services to setup schedule – A copy of the verification email will be furnished as a deliverable in March 2025.
- Secure / Hire Public Access Greeters – A copy of the training certificate by the Vermont DEC will be furnished as a deliverable in April-May 2025.
- Publicity – A copy of the press release will be furnished as a deliverable in May-September 2025.
- Public Access Greeter Program – Daily inspection reports will be furnished as a deliverable to Vermont DEC via Survey 123 from May-September 2025.
- Divers Perform Milfoil Removal - Daily reports will be furnished as a deliverable to Vermont DEC from July-September 2025.
- Reporting - Complete quarterly reporting requirements. Compile project summary and all project deliverables (articles, photographs, etc.) in a Final Report. The Final Report is due January 31, 2024.

Outcomes:

- ecological integrity of the Lake's ecosystem will remain intact. Protection of the downstream watershed will also be maintained for the residents and the habitat by protecting the flora and fauna of the Champlain Basin.

Organization: Lake Elmore Association
Contact Person: Glenn Schwartz
Mailing Address: PO Box 61
Lake Elmore, VT 05657
Phone: 802-888-1158
E-mail: glenns@nci3.com
Website: facebook.com/groups/732462333604380

NEIWPC Code: LS-PO-2025-049
EPA: 0373-003-001
Start Date: 04/09/2025
Close Date:
Grant Amount: \$15,799.00
Non-federal Match: \$7,424.00
Total Amount: \$23,223.00

2025 AIS Spread Prevention Grant

in progress

Lewis Creek Boat Launch Stewardship & Knotweed Initiative

Project Summary

Lewis Creek Association will continue their annual 12-week boat launch stewardship program at Bristol Pond and Monkton Pond to reduce the spread of aquatic invasive species and increase the public's knowledge of aquatic invasive species. LCA will also expand knotweed control efforts to a third site in the Lewis Creek watershed and involve the public with volunteer removal efforts. Aquatic invasive species (AIS) harm ecosystems & economies in the Lake Champlain basin. Knotweed increases soil erosion on riverbanks (Matte et al. 2021). By reducing knotweed populations and limiting spread, this grant will help to reduce sediment and phosphorus loading to Lewis Creek and Lake Champlain, while also demonstrating a non-chemical removal method to the public. LCBP grants in 2020, 2023, and 2024 enabled LCA to document a patchy distribution of knotweed in the watershed, create a management plan, and begin a knotweed control program at two sites, which we now seek to expand to a third location.

Outputs:

- end of season report for the boat launch steward program, a summary of knotweed control efforts, press releases,. In addition, the proposed projects will

Outcomes:

- reduce aquatic invasive species at Bristol Pond, reduce knotweed at three demonstration sites, and a better informed public about aquatic invasive species and stewardship of shared resources.
- three populations of knotweed will be reduced in size, thereby reducing sediment and phosphorus loading to Lake Champlain through Lewis Creek, and the
- brittle naiad population in Bristol Pond will be reduced through control efforts.

Organization: Lewis Creek Association

Contact Person: Katherine Kelly

Mailing Address: PO Box 146
Hinesburg, VT 05461

Phone: 802-488-5203

E-mail: kate@lewiscreek.org

Website: www.lewiscreek.org

NEIWPCC Code:	LS-2025-053
EPA:	0373-003-001
Start Date:	04/09/2025
Close Date:	
Grant Amount:	\$24,988.00
Non-federal Match:	\$923.00
Total Amount:	\$25,911.00

2025 AIS Spread Prevention Grant

in progress

2025 Milfoil Control & Greeter Programs At Lake St. Catherine

Project Summary

This project will help support the Lake St. Catherine Association's 2025 Milfoil Control & Vermont Public Access Greeter Programs, which includes boater and resident education, diver assisted suction harvesting (DASH) and hand-pulling for Eurasian watermilfoil (EWM), and hired Greeters at our boating access. The LSCA has been working to control milfoil since the late 1970s, and we currently have a highly successful Milfoil Control Program which consists of five components: 'Stop The Spread' education and outreach, volunteer milfoil cleanup & hand-pulling, our Diver Assisted Suction Harvesting (DASH) team, as needed herbicide spot treatments, and water quality improvement programs (phosphorus reduction).

Outputs:

- Diver Assisted Suction Harvesting (DASH) and Hand-Pulling:** Our DASH team, Sinclair Commercial Diving Services, will begin hand-pulling in designated areas in mid to late June, and begin full DASH operations on July 1st, removing milfoil from the lake until early September.
- Public Access Boat Launch Monitoring:** Greeters will work Memorial Day through Labor Day, Friday through Sunday, and also during holidays and fishing tournaments to inspect vessels being launched and retrieved from Lake St. Catherine for AIS.
- AIS education** will include yearly 'Stop The Spread' flyer, website and Facebook postings, newsletter articles, and face-to-face meetings & presentations.

Outcomes:

- prevent introduction of new AIS to Lake St. Catherine and prevent exportation of AIS to other lakes.
- Better informed boaters on the dangers of transporting AIS, and anglers about the dangers of fishing line and lead tackle to our loons (and directing them to a collection tube to discard them from their tackle boxes)

Organization: Lake St. Catherine Association
Contact Person: Jeremy Jones
Mailing Address: PO Box 631
Wells, VT 05774
Phone: 802-287-6027
E-mail: jerremy.jones@lakestcatherine.org
Website: <https://lakestcatherine.org>

- reduction of the amount of milfoil in Lake St. Catherine, keeping this invasive weed at controllable levels. The program will also
- informed residents and visitors about best management practices for Eurasian watermilfoil, and how they can help to 'Stop The Spread'

NEIWPCC Code: LS-2025-055
EPA: 0373-003-001
Start Date: 04/15/2025
Close Date:
Grant Amount: \$25,000.00
Non-federal Match: \$28,595.00
Total Amount: \$53,595.00

2023 AIS Spread Prevention Grant

concluded

Preventing Aquatic Invasive Species Prevention Through Targeted Removal

Project Description

The Adirondack Park Invasive Plant Program (APIPP), hosted by The Nature Conservancy, will conduct a pilot program at up to seven boat launches on Lake Champlain that are heavily infested with aquatic invasive species (AIS) to test the effectiveness of reducing the spread of AIS throughout the Lake Champlain Basin by targeted removal of invasive plants at the boat launch sites. APIPP will hire a contractor to remove aquatic invasive plant species, including Eurasian watermilfoil and curly leaf pondweed by diver assisted suction harvesting (DASH) from the areas adjacent to the boat launches.

Outputs:

- APIPP pre- and post-harvesting monitoring of aquatic plants (native and invasive) and the amount of invasive plants removed from each boat launch by the contractor.
- This will be measured in partnership with Adirondack Watershed Institute (AWI) watercraft inspection stewards that collect data on AIS presence on entering and retrieving boats at these boat launches

Outcomes:

- reduced AIS spread from retrieving boats by decreasing invasive propagule pressure on other lakes that retrieving watercraft visit.
- AWI retrieving boat data pre- and post-treatment and APIPP pre- and post-treatment harvest assessment data. will be compared.

Organization: The Nature Conservancy

Contact Person: Brian Greene

Mailing Address: PO Box 65
Keene Valley, NY 12943

Phone: 518-576-2082 x 119

E-mail: brian.greene@tnc.org

Website: www.adkinvasives.com



Example of a trailer at the Westport Boat Launch with invasive curly leaf pondweed attached.

NEIWPCC Code: LS-2023-003
EPA 0364-003-001

Start Date: 3/10/2023

Close Date: 3/25/2025

Grant Amount: \$39,500.00

Non-federal Match:

Total Amount: \$39,500.00



2024 AIS Spread Prevention Grant

in progress

Upgrading Aquatic Plant Harvesting Equipment for the New York portion of the Lake Champlain Water Chestnut Harvesting Program

Project Summary

The objective of this project is to upgrade the Town of Dresden's aquatic plant harvesting equipment which has been an important part of the lake-wide Lake Champlain's Water Chestnut Harvesting Program. This funding will be used to upgrade the aged and often failing motors and hydraulic systems on the aquatic plant harvester and transporter operated by the Town of Dresden to harvest invasive water chestnut in the southern end of Lake Champlain. Funds will also be used to replace the conveyor which transports the harvested water chestnut from the transporter in the water to the dump truck on land. The Town of Dresden will also purchase new equipment for a security system (camera and automated light) and depth finder/GPS for the harvester and transporter. Upgrading this equipment will greatly extend the life of this equipment and continue the Town of Dresden's water chestnut harvesting program.

Outputs:

- develop schedule for installing upgraded motor and hydraulic system, security system, and depth finder and GPS mapping system
- purchase equipment

Outcomes:

- spread prevention reduction
- extend water chestnut harvesting program

Organization: Town of Dresden

Contact Person: Rick Hobus

Mailing Address: 1 Lillians Way
Clemons, NY 12819

Phone: 518-499-2040

E-mail: hobusrichard954@gmail.com

Website: <http://townofdresdennv.com/>



Photo of the aquatic plant harvester (on right) and transporter (left) in Lake Champlain. Photo credit: Fred Dunlap, NYSDEC



NEIWPCC Code: LS-2024-123
EPA 0365-003-005
Start Date: 9/24/2024
Close Date:
Grant Amount: \$166,928.00
Non-federal Match:
Total Amount: \$166,000.00

2025 AIS Spread Prevention & Management in progress

Invasive Species and Water Chestnut Control at Missisquoi NWR

Project Summary

The Friends of Missisquoi NWR (Friends, FOM) will work with the Missisquoi National Wildlife Refuge (refuge) and other volunteers in a continued effort to control riparian invasive species and water chestnut in 2025. Volunteers will be used to map riparian invasives such as yellow iris, Japanese knotweed and Phragmites as well as to conduct water chestnut control operations. Funds from the grant will be used to direct contractors to control areas of mapped invasive species.

Outputs:

- acres of invasive plant species treated
- number of water chestnut rosettes pulled on the Missisquoi National Wildlife Refuge
- inventory of riparian forest to direct contract invasive species management in 2025. FOM volunteers and the staff of Missisquoi NWR will control (through hand pulling) water chestnut on up to 300 acres of wetland habitat.

Outcomes:

- reduction of water chestnut in refuge wetlands and the treatment of riparian invasives to ensure the continued biological integrity of Missisquoi NWR wetland habitats.

Organization: Friends of Missisquoi NWR Inc.
Contact Person: Rich Kelley
Mailing Address: 29 Tabor Rd
 Swanton, VT 05488
Phone: 802-868-4781
E-mail: rich@westswanton.com
Website: <https://friendsofmissisquoi.org/>

NEIWPCC Code: LS-BIL-2025-045
EPA: 0365-003-005
Start Date: 05/05/2025
Close Date:
Grant Amount: \$10,000.00
Non-federal Match: \$2,640.00
Total Amount: \$12,640.00

2025 AIS Spread Prevention & Management

in progress

Restoring Balance to Lake Eden

Project Summary

The Lake Eden Association, in coordination with our partners, will complete a permit application with the VT DEC, for use of ProcellaCO to mitigate Eurasian Watermilfoil in Lake Eden. We will hire contractors to apply the herbicide to areas of the lake where we have been unsuccessful with other treatment methods available. This will include areas which are not accessible for use of DASH, Benthic Blankets or hand harvesting due to shallow water and deep muck. Different contractors will be hired to measure the success of this treatment and its impact on native plants through pre and post treatment surveys. EWM has spread from an initial 3 sites to throughout the entire littoral zone. There are also large crops in the middle of the lake as the average lake depth is just 15 feet. The area by the public boat launch is of particular concern as it is not accessible for DASH, Benthic blankets or hand harvesters due to shallow waters and deep muck.

Outputs:

- Receive Herbicide permit
- Signed contracts with contractors
- Pre & post EWM survey reports
- Measurable decrease in number and/or % of EWM plants
- Press release and social media posts
- 3 digital photos of people engaged in grant activities
- LCBP Project Metrics report
- Sign installation with photo and date installed

Outcomes:

- Significant decrease in number &/or percent of EWM plants in Lake Eden and treating areas than were not accessible with other available treatments
- Increased awareness, among the broader community, of the problem EWM presents as a result of educational postings, social media posts, signage and press releases.
- Reduced potential of spreading EWM from Lake Eden to other water bodies in the Lake Champlain Basin
- Increased pride in Lake Eden

Organization: Lake Eden Association

Contact Person: Colleen Brennan

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Eden Mills, VT 05653

Phone: 802-635-2598

E-mail: cbrennanvt@gmail.com

Website: www.edenvt.org

NEIWPCC Code:	LS-BIL-2025-046
EPA:	0365-003-005
Start Date:	04/25/2025
Close Date:	
Grant Amount:	\$93,400.00
Non-federal Match:	\$6,091.00
Total Amount:	\$99,491.00

2025 IJA - Aquatic Organism Passage

in progress

Aquatic Organism Passage in the Mad River Watershed

Project Summary

Friends of the Mad River (FMR) will work with Aquatic Organism Passage (AOP) partners, local municipalities, and a contractor to identify and provide preliminary designs for two priority AOP projects in the Mad River Watershed. FMR staff will aggregate past scoping efforts, meet with Mad River Valley municipal leaders, select two target AOP projects, and retain consultant services in order to complete 30% designs for both. Throughout this process, the AOP Team will provide guidance, participate in visits to prospective project sites, and review project designs. This effort will advance the target projects towards implementation and set the stage for future projects in each watershed town.

Outputs:

- List of past AOP scoping efforts FMR AOP Master List (at least 10 projects identified), Past Project Summaries
- Updated AOP Master List with town priorities
- Update AOP Master List with field notes, Top 2 projects selected
- 2x 30% AOP Project Designs
- 30% Review Notes, Next steps listed for top 2 projects

Outcomes:

- FMR staff and AOP partners have a shared understanding of past AOP project scoping efforts in the MRV.
- Task 4 – MRV Town leadership will have greater familiarity with the importance of AOP projects and which projects have found success in the past. They will provide input on and help prioritize the AOP Master List.
- Task 5 – AOP Master List will be verified and update through field work conducted by FMR staff and the AOP Partners.
- Task 6 to 9 – 30% designs for top 2 projects will lay the groundwork for future fundraising and project development, with the ultimate aim of implementing AOP projects and improving habitat and connectivity.

Organization: Friends of the Mad River
Contact Person: Ira Shadis
Mailing Address: 4061 Main Street
Waitsfield, VT 05673
Phone: 802-496-9127
E-mail: ira@friendsofthemadriver.org
Website: <https://www.friendsofthemadriver.org/>

NEIWPCC Code: LS-BIL-2025-035
EPA: 0365-003-001
Start Date: 03/21/2025
Close Date:
Grant Amount: \$78,998.00
Non-federal Match: \$ 1,353.00
Total Amount: \$80,351.00

2025 IJA - Aquatic Organism Passage

in progress

Ausable Drive Culvert Replacement– Potash Brook, Jay, NY

Project Summary

This project will replace an undersized and degraded road-stream crossing on Potash Brook, opening the undeveloped headwaters to threatened native brook trout and improving flood resilience for the Town of Jay. This crossing replacement will use our Climate Ready Culvert design approach that supports aquatic organism passage, stream function, and flood resiliency standards. The benefits of the project include:

- 1) This project will build on AFC's earlier work to open the coldwater habitat in the undeveloped headwaters of Potash Brook to native brook trout. In 2020, AFC removed a barrier and installed a right-sized culvert at the third crossing of Potash Brook by Ausable Drive. The second crossing of Potash does not act as a barrier to aquatic passage, while the first crossing (the subject of this proposal) is impassable to brook trout.

Outputs:

- new Climate Ready culvert
- AFC design memo, a final engineered plan set, all applicable permits, an aluminum arch culvert, photos of materials, signage, and construction activities, and links or copies of all social media and weekly e-newsletter outreach activities.

Outcomes:

- Over 4,500 feet (~0.85 miles) of freshwater habitat in the undeveloped headwaters of Potash Brook will be reconnected for AOP
- Improved flood resilience for the residents of Ausable Acres in the Town of Jay by replacing an approximate 1.5-foot-diameter pipe with an open-bottom aluminum arch having a width of over 10 feet.
- wider, flood resilient structure sized at 1.25 times bankfull width with the hydraulic capacity to pass a 100-year flood event at 80% volume, 2) aquatic organism passage, 3) a natural channel bed and instream habitat, 4) improved water quality, and 5) reduced or eliminated frequent and costly maintenance activities.

Organization: Ausable Freshwater Center
Contact Person: Gary L. Henry, PG
Mailing Address: 5698 NYS Route 86
 Wilmington, NY 12997
Phone: 518-637-6859
E-mail: gary@ausablecenter.org
Website: ausablecenter.org

NEIWPCC Code: LS-BIL-2025-010
EPA: 0365-003-001
Start Date: 03/14/2025
Close Date:
Grant Amount: \$23,336.00
Non-federal Match:
Total Amount: \$23,336.00

2025 IJA - Aquatic Organism Passage

in progress

Boquet - Church Brook Implementation & Cold Brook Designs

Project Summary

The Nature Conservancy will develop engineering studies for two undersized culverts on Cold Brook and upgrade existing culvert infrastructure on Church Brook. The Nature Conservancy will work with local partners to implement and complete the installation of an upgraded culvert at the Hale Hill project site (Church Brook) and develop engineering designs for 2 additional culvert upgrade projects on Cold Brook. This will connect 2 important tributaries to the main stem of the Boquet River and improve trout habitat, reduce flood risk, and reduce sediment pollution in the Lake Champlain Basin.

Outputs:

- 1 right-sized, open-bottom culvert installed at Hale Hill/Church Brook
- 2 right-sized culvert/bridge designs in the Cold Brook Watershed and completed permits

Outcomes:

Hale Hill/Church Brook outcomes:

- Approximately 7 miles of stream opened to aquatic organism passage.

Cold Brook outcomes:

- 2 shovel ready projects planned for implementation 2026 that will open approximately 5.5 miles of stream once implemented

Organization: The Nature Conservancy
Contact Person: Josh Lafountain
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Arlington, VA 22203-1606
Phone: 603-339-0807
E-mail: josh.lafountain@tnc.org
Website: nature.org

NEIWPCC Code: LS-BIL-2025-047
EPA: 0365-003-001
Start Date: 09/30/2025
Close Date:
Grant Amount: \$241,882.00
Non-federal Match: \$ 35,000.00
Total Amount: \$276,887.00

2025 IJA - Aquatic Organism Passage

in progress

Removing 2 Dams on the Brewster River

Project Summary

The project consists of removing two derelict dams to restore natural stream function and aquatic organism passage (AOP) and habitat. The goal is to fully remove the dams on the Brewster River (the Grist Mill Dam and the Smugglers Notch Access Road Dam), provide scoping of new dam removal projects, and provide technical support and outreach to other watershed organizations in an effort to support increased dam removal within the Lake Champlain Basin.. The stagnant pond water is impacting water quality and habitat in this cold-water tributary. Because this dam removal is situated on a busy access road (ski resort) the removed dam will need to be replaced with an appropriately sized crossing feature (concrete box culvert has been recommended) that is adequately sized to allow AOP reconnection and restore natural stream process.

Outputs:

- two dam removal projects with the inclusion of an outreach and scoping task to provide technical expertise to others and identify and prioritize other dams for removal.
- restoration of the stream channel and floodplain.
- media coverage of all dam removal projects during construction
- site visits by project stakeholders and other interested parties during construction
- project scoping field reports, maps and photographs prioritizing new dams for removal

Outcomes:

- benefit to public access and safety, fish and wildlife, flood resilience, and water quality.
- Restored stream habitat, riparian zone, and floodplain
- Restored aquatic organism passage, which will return the rivers to a free-flowing condition by reconnecting these critical river sections, and would open up 3 miles of river habitat.

Organization: Vermont Natural Resources Council
 Contact Person: Karina Dailey
 Mailing Address: 11 Baldwin Street
 Montpelier, VT 05602
 Phone: 802-881-3423
 E-mail: kdailey@vnrc.org
 Website: <https://vnrc.org/>

- Restored stream equilibrium
- Removal of impounded sediment including legacy phosphorus laden sediment (where applicable)
- restoring natural transport processes and improving water quality; Improved species diversity;
- awareness of the impacts dams on rivers and builds support for the benefits of dam removal;
- Increased dam removal experience by project partners;
- Support for local watershed groups by providing technical support and project management;
- Providing sustainable and accessible recreational opportunities improving access to paddling, angling and swimming, and eliminating the hazards associated with poorly maintained and managed dams;

NEIWPC Code: LS-BIL-2025-024
 EPA: 0365-003-001
 Start Date: 03/06/2025
 Close Date:
 Grant Amount: \$300,000.00
 Non-federal Match: \$25,000.00
 Total Amount: \$325,000.00

2025 IJA - Aquatic Organism Passage

in progress

Replacement of Culvert in Stevens Branch of the Winooski River

Project Summary

The purpose of this project is to replace an undersized culvert to improve aquatic organism passage on an unnamed tributary of the Stevens Branch in Williamstown, Vermont. Replacement of this structure, and correction of its structural deficiencies, will reconnect this stream with cold, forested headwaters to support Brook trout populations and will reduce its risk of failure and washout during high flow events. This is the most-upstream culvert on the tributary. This culvert is less than 50% of the bankfull width of its stream and not geomorphically compatible, making it vulnerable to failure in high-flow conditions. There is a freefall at the outlet of 1.3 feet, inhibiting aquatic organism passage. The USGS resilience tool shows that Brook trout in our project areas have a good chance of survival, and these projects will increase those odds. Removing significant hazard dams and undersized culverts reduces the potential for costly damage to property and infrastructure, and potential loss of life that could result from failure of the existing structures in a flood event.

Outputs:

- Photographs of site work progress
- Photographs of clean and stabilized site
- press release(s); estimate of number of people educated about this work
- stakeholder meetings and site visits

Outcomes:

- Improved aquatic organism passage, particularly for Brook trout, with 2.6 miles of reconnected habitat
- Reduced risk of structural failure and road washout during high flow events
- Improved water quality
- support climate resilience and adaptation.

Organization: Friends of the Winooski River
 Contact Person: Taylor Litwin
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 Montpelier, VT 05601
 Phone: 802-279-3771
 E-mail: taylor@winooskiriver.org
 Website: winooskiriver.org

NEIWPCC Code: LS-BIL-2025-059
 EPA: 0365-003-001
 Start Date: 05/05/2025
 Close Date:
 Grant Amount: \$299,983.00
 Non-federal Match:
 Total Amount: \$299,983.00

2025 IJA - Aquatic Organism Passage

in progress

Restoring Access to Upstream Habitat - Lazy Mill Rd & Stannard Brook

Project Summary

The current structure under Lazy Mill Rd in Stannard, Vermont is perched during at low water, blocking access to high quality climate change resilient habitat for eastern brook trout; and undersized, resulting in impaired sediment and debris transport along this stretch of stream. The output of this project is to remove one partial fish passage barrier. The outcomes of this project are to restore access to almost 3 miles of high-quality climate change resilient eastern brook trout habitat; improve water quality and help restore river and ecosystem function; and decrease community vulnerability to climate change. The general construction of the crossing will likely be a three-sided culvert with an open bottom. Data collection for the design of the structure has already begun; CCNRCD will continue to work with Horizons Engineering to complete the 100% design as well as secure permits for construction. This process will be complete by March 2025. The estimated total cost of construction is approximately \$348,160. We plan to put this project out to bid in 2025 as soon as funds are secured for construction.

Outputs:

- removal of one partial fish passage barrier.

Outcomes:

- restore access to almost 3 miles of upstream high-quality climate change resilient eastern brook trout habitat
- improve water quality and help restore the natural ecosystem function of the Stannard Brook river system
- decrease community vulnerability to climate change.

Organization: Caledonia County Natural Resources Conservation District
Contact Person: Emily Finnegan
Mailing Address: 481 Summer St.
 St. Johnsbury, VT 05819
Phone: 802-424-3149
E-mail: emily.finnegan@vt.nacdnet.net
Website:

NEIWPCC Code: LS-BIL-2025-038
EPA: 0365-003-001
Start Date: 05/16/2025
Close Date:
Grant Amount: \$328,940.00
Non-federal Match:
Total Amount: \$328,940.00

2025 IJA - Aquatic Organism Passage

in progress

Restoring Jail Branch aquatic organism passage, Washington, VT

Project Summary

This project seeks to continue AOP restoration efforts in the Jail Branch by replacing a perched, undersized culvert on Woodchuck Hollow Road on the East Branch of the Jail, just upstream of the recent Hands Mill Dam removal site, and developing a design for the next upstream culvert at Morrie Road. The removal of Hands Mill Dam opened potential upstream habitat to aquatic organisms on the Jail Branch and its tributaries. Additional obstacles to upstream aquatic organism passage exist in the form of upstream crossings on Woodchuck Hollow Road and Morrie Road. This project seeks to fund the replacement of the culvert on Woodchuck Hollow Road and fund engineering designs for aquatic organism passage through the culvert on Morrie Road.

Outputs:

- RFP for engineering services, Signed contract for engineering services, 30% engineering designs, 100% engineering designs, Pre-construction meeting minutes, All Construction Permits, RFP for construction services, Signed contract for construction services, Complete site preparation (silt fences, etc.), Temporary stream diversion, One photograph, Engineering confirmation of proper placement of culvert and restoration of channel flow, One photograph, Engineering As-Built Certification for construction completion, One photograph

Outcomes:

- Increased habitat available for aquatic organisms on the Jail Branch of the Winooski River and its tributaries.
- residents will be better educated in the principles and importance of aquatic organism passage.
- increased flood resilience in the Town of Washington.
- completed engineering designs for the culvert on Morrie Road will make it possible to address that culvert for aquatic organism passage at a later date.

Organization: Winooski Natural Resources Conservation District
 Contact Person: Daniel Koenemann
 Mailing Address: 617 Comstock Road, Suite 1, Berlin, VT 05602
 Berlin, VT 05602
 Phone: 802-778-3178
 E-mail: Daniel@WinooskiNRCD.org
 Website: winooskinrcd.org

NEIWPCC Code: LS-BIL-2025-036
 EPA: 0365-003-001
 Start Date: 05/20/2025
 Close Date:
 Grant Amount: \$300,000.00
 Non-federal Match: \$10,000.00
 Total Amount: \$310,000.00

2025 IJA - Aquatic Organism Passage

in progress

Saranac River Reconnection Project - Middle North Branch Sub-Watershed

Project Summary

As part of the Saranac River Watershed Management Plan, Trout Unlimited identified the Middle North Branch Saranac River as a high-quality sub-watershed with the potential to expand an Eastern brook trout stronghold by removing undersized culverts that are barriers to fish movement. Working in partnership with the Town of Franklin, Franklin County Soil and Water Conservation District, US Fish and Wildlife Service, NYS Department of Environmental Conservation and Ausable Freshwater Center the team will remove two priority aquatic organism barriers, reconnecting 1.8 miles of high-quality habitat while developing designs and securing permits for three additional projects setting the stage for 6.8 additional miles reconnected. The projects will improve ecosystem, community and flood resiliency and provide much needed infrastructure improvements in the town.

Outputs:

- 2 Remediated barriers to AOP (, proofed by post-project NAACC evaluations
- 3 Completed survey and design projects for future AOP projects
- Summary of monitoring results
- Participation in 6-8 meetings of partners and stakeholders

Outcomes:

- more connected and climate resilient Middle North Branch Saranac River Watershed.
- stage set for completing the reconnection of a total of 10.5 miles of forested coldwater habitat for brook trout and other aquatic organisms.
- improved infrastructure that is resilient to climate change and enhances the long-term sustainability of their local recreational opportunities.
- 1.8 miles of stream reconnected

Organization: Trout Unlimited Inc.
Contact Person: Jacob Fetterman
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 Arlington, VA 22209
Phone: 603-852-8110
E-mail: Jacob.Fetterman@tu.org
Website: www.tu.org

NEIWPCC Code: LS-BIL-2025-007
EPA: 0365-003-001
Start Date: 03/07/2025
Close Date:
Grant Amount: \$272,155.00
Non-federal Match: \$349,146.00
Total Amount: \$621,301.00

IJA - AOP Implementation Fund (FY24)

in progress

Cold Brook & Reber Rd Crossing Final Design, Willsboro NY

Project Summary

The Boquet River Association (BRASS) will work with a stakeholder group to complete the design for culvert replacement at Reber Road & Cold Brook in Willsboro, NY. The Nature Conservancy and others have identified this crossing as a significant barrier to aquatic organism passage (AOP) and a high priority project for re-connection as one of the only remaining barriers on this prime watershed for native brook trout and Atlantic salmon. The objective of this project is to open one of the three final barriers to aquatic organism passage on the entirety of Cold Brook on the Boquet River. In 2019, this tributary was identified by the US Fish & Wildlife Service as important Salmon spawning habitat and since then has had multiple barriers removed by a coalition of agencies and nonprofits.

Outputs:

- A geotechnical survey (soil borings)
- A stakeholder engagement process with documented notes and feedback/input to the final design.
- A 100% engineering plan, including upstream and downstream restoration plan, permits submittals, and an Opinion of Probable Cost

Outcomes:

- Improved aquatic organism passage with .75 (and ultimately 6) miles of upstream connectivity
- restored reach of Cold Brook with grade control mechanisms that reduce velocity, protect banks from scour and increase habitat
- Improved water quality with less bank incision and resulting sedimentation and nutrient load
- Significantly improved flood resilience and infrastructure protection for the road, the bridge, and the private property both up and downstream.

Organization: Boquet River Association
Contact Person: Colin Powers
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Willsboro, NY 12996
Phone: 518-593-2887
E-mail: colin@boquet-river.org
Website: www.boquet-river.org

NEIWPCC Code: LS-BIL-2025-066
EPA: 0365-003-001
Start Date: 05/23/2025
Close Date:
Grant Amount: \$77,232.00
Non-federal Match: \$2,611.00
Total Amount: \$79,843.00

IJA - AOP Implementation Fund (FY24)

in progress

Improving Aquatic Organism Passage in Pettigrew Brook

Project Summary

This project seeks to improve aquatic organism passage in the Pettigrew Brook watershed by implementing a culvert replacement at John Bliss Road and conducting a geomorphic assessment for a replacement culvert at Bonnieview Road. This is part of an effort to open the protected headwaters of Pettigrew Brook in the Wilmington Wild Forest to aquatic organism passage. These funds will implement a fully engineered crossing at John Bliss Road (**Pettigrew 2**) and for the geomorphic assessment with design recommendations for a crossing at Bonnieview Road (**Pettigrew 1**).

Pettigrew 2

- implement the replacement of a severely undersized and failing culvert. This crossing replacement uses our Climate Ready Culvert design approach that supports aquatic organism passage, stream function, and flood resiliency standards.
- Inspection and monitoring will follow Best Management Practices
- removal of debris and repairs, if necessary.

Pettigrew 1

- begin the design process for a culvert replacement project
- findings of geomorphic assessment will be provided in a memo to the Essex County Department of Public Works (DPW) providing an overview of the stability of the channel network above Bonnieview Road with guidance on the appropriate sizing and slope in the design of the new crossing.

Outputs:

- new Climate Ready culvert, appropriately sized for its stream to at least 1.25x bankfull width and passable to aquatic organisms into an additional 3/4 miles of high quality habitat in Pettigrew Brook.
- geomorphic assessment that will help advance the replacement of the last remaining barrier at Bonnieview Road into the protected headwaters of Pettigrew Brook in the Wilmington Wild Forest.

Organization: Ausable Freshwater Center
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E-mail: gary@ausablecenter.org
Website: ausablecenter.org

- an aluminum arch culvert, photos of materials, signage, and construction activities, links or copies of all social media and weekly e-newsletter outreach activities, and an AFC geomorphic assessment and design memo.

Outcomes:

- Over 0.75 miles of freshwater habitat in Pettigrew Brook will be reconnected for AOP through the implementation of **Pettigrew 2**.
- Improved flood resilience for the residents of the Town of Wilmington by replacing an approximate 3-foot-diameter pipe with an open-bottom aluminum arch having a width of 15.8 feet at **Pettigrew 2**.
- An additional 3.4 miles of freshwater habitat lies above **Pettigrew 1**, which will be advanced to the engineering design stage by this project.
- improved water quality, and reduced or eliminated frequent and costly maintenance activities.

NEIWPCC Code: LS-BIL-2025-065
EPA: 0365-003-001
Start Date: 05/14/2025
Close Date:
Grant Amount: \$354,645.00
Non-federal Match: \$ 10,000.00
Total Amount: \$364,645.00

IJA - AOP Implementation Fund (FY24)

in progress

Removal of the Brooklyn Street Dam

Project Summary

The primary objective of the project is to remove the Brooklyn Street dam, a barrier to aquatic organism passage and sediment transport in the Winooski River watershed. This removal is proposed in the context of a focus on restoring habitat throughout the Stevens Branch subwatershed of the Winooski River, which has been identified as a top priority for Vermont Fish & Wildlife Department. We have three dam removals and two culvert replacements in final design phase in this system. This is a substantial investment of resources by FWR and our local, state, and federal partners to advance projects that result in habitat improvement and climate resilience in this priority stream system. Friends of the Winooski River will sign agreements with Trow and Holden to outline roles and responsibilities, etc, during construction and for long-term maintenance. The Army Corps of Engineers permit will require that we monitor the site periodically for several years after construction is complete.

Outputs:

- removal of the dam, recontouring and revegetation of the floodplain, and interpretive signage about the historic dam and mill works and the value of dam removal.
- remove one third of the total sediment, 600 CY from the first 200 ft of the impoundment above the dam. We propose to leave in place the 1,200 CY remaining in the 700 ft of impoundment upstream of the construction area.
- Removal of abandoned sewer pipe as well as other trash in the impoundment 700 feet upstream of the dam.
- temperature loggers in the stream above and below this dam
- Site visit for excavation bidders
Site inspection memoranda
Sign design contract
development of signage

Press release

Organization: Friends of the Winooski River
Contact Person: Michele Braun
Mailing Address: PO Box 777
Montpelier, VT 05601
Phone: 802-279-3771
E-mail: michele@winooskiriver.org
Website: winooskiriver.org

Outcomes:

- Upstream miles of habitat reconnected = at least 1.5 miles from removal of this dam; 2.2 miles from removal of all three dams; 14 miles
- Historic building/business are safer from flood impacts
- Aquatic habitat upstream improved by removal of impounded sediment

NEIWPCC Code: LS-BIL-2025-058
EPA: 0365-003-001
Start Date: 05/05/2025
Close Date:
Grant Amount: \$406,725.00
Non-federal Match:
Total Amount: \$406,725.00

IJA - AOP Implementation Fund (FY24)

in progress

Spruce Mill Brook Headwater Engineering Designs for AOP

Project Summary

Produce engineering designs for the removal of four barriers to aquatic organism passage in the Spruce Mill and Derby Brooks of the Boquet River watershed in Lewis, NY. For each culvert, the replacement structure will be sized at least 1.25x bankfull width and capable of passing a 100-year plus flood event at 80% of its volume, designed to be geomorphically compatible and less vulnerable to failure in high flow conditions.

Outputs:

- 1 - 30% engineering plan, including upstream and downstream restoration plan and preliminary Opinion of Probably Cost (OPC)
- 1 - 100% engineering plan, including upstream and downstream restoration plan, permits submittals and OPC
- 3 - 30% engineering plans, including upstream and downstream restoration plan, preliminary Opinion of Probably Cost (OPC)
- 3 - 100% engineering plans, including permits submittals and OPC 30% engineering plan, including preliminary OPC

Outcomes:

- Improved aquatic organism passage, particularly for brook trout and landlocked Atlantic salmon, with 12.8 miles of total reconnected habitat
- Improved flood resilience - reduced risk of structural failure and road washout during high flow events
- Improved water quality
- improved aquatic organism passage by reconnecting 12.8 total miles of high quality native salmonid habitat.
- improved water quality and flood resilience by right-sizing the road-stream crossing reducing erosion, sedimentation, and the risk of flooding.

Organization: Patrick Leahy Lake Champlain Basin Program
 Contact Person: Corrie Miller
 Mailing Address: 54 West Shore Road
 Grand Isle, VT 05458
 Phone: 802-372-3213
 E-mail: cmiller@lcbp.org
 Website: www.lcbp.org

NEIWPCC Code: L-BIL-2025-116
 EPA: 0365-003-001
 Start Date: 9/18/2025
 Close Date:
 Grant Amount:
 Non-federal Match: \$211,136.00
 Total Amount: \$211,136.00

2023 AOP Restoration & Implementation

in progress

Assessing the Management and Impact of Private Road Crossings in the Lake Champlain Basin

Project Description

In response to a lack of existing data on private road-stream crossings in the Lake Champlain Basin, this study will identify road-stream crossings on private land using high resolution LiDAR topography data, seek landowner permission to assess which identified crossings act as barriers to aquatic connectivity, conduct surveys/interviews to understand landowner perspectives on culvert management, and provide in-person outreach and education programs to landowners within our study areas. This work will result in a prioritized list of parcels with crossings, field assessments of previously unknown crossings, and publications on the attitudes of private landowners toward road crossings and their impacts. We intend for this work to fill the private road crossing data gap in our study watersheds and to provide more information about which strategies are effective at increasing landowner knowledge on how to implement road crossing best management practices.

Outputs:

- Site Identification; GIS Layer of private parcels that co-occur with streams; private road crossings GIS map layer; list of priority parcels (top 25% or no more than 50)
- Outreach to Landowners; up to 800 landowner perception and attitude surveys and response data
- Field Assessments; completed AOP assessments for each prioritized crossing (minimum of 25) and integration of collected AOP data into the VT ANR Atlas and the NAACC database
- 15 completed interviews of priority parcel landowners

Outcomes:

- fill the private road crossing data gap in our study watersheds
- more information about which strategies are effective at increasing landowner knowledge on how to implement road crossing best management practices.

Organization: SUNY Plattsburgh Lake Champlain Research Institute

Contact Person: Tim Mihuc

Mailing Address: 101 Broad Street
Plattsburgh, NY 12901

Phone: 518-564-3039

E-mail: mihuctb@plattsburgh.edu

Website: <https://www.plattsburgh.edu/academics/lake-champlain-research-institute/>



Undersized, perched culvert on private maple sugaring land in the Missisquoi River basin (Bakersfield, VT).



NEIWPCC Code: LS-BIL-2022-105
EPA 0365-003-001
Start Date: 2/3/2023
Close Date:
Grant Amount: \$116,950.00
Non-federal Match:
Total Amount: \$116,950.00

2024 AOP Restoration & Implementation

in progress

Boquet Watershed Habitat and Connectivity Project

Project Description

Part 1: Cold Brook Culverts

The Nature Conservancy (TNC) will manage a project to restore valuable aquatic and riparian habitat on Cold Brook, a tributary of the North Branch of the Boquet River. Project objective is to improve spawning habitat for Eastern Brook Trout and Atlantic Salmon by reconnecting the entire Cold Brook subwatershed to the North Branch of the Boquet River and restoring protected riparian corridors through 2 culvert upgrades and 1 barrier removal. The two upgraded structures will be appropriately sized at 1.25 times bankfull width or greater, be open bottom or properly embedded, and carry natural streambed materials through the structure.

Part 2: Boquet Dam & Bridge Removal Planning

The project team will conduct a feasibility study and conceptual design for a dam and upstream bridge removal on the Boquet mainstem. TNC will work with the local watershed group partner (Boquet River Association, BRASS) to manage this project in an effort to build the organization's capacity to manage similar projects in the future. Project objectives are to complete preliminary studies and, as appropriate, a 30% conceptual design for a small dam and bridge removal on the Boquet River and improve BRASS capacity.

Outputs:

- 11.5 miles of spawning habitat opened on Cold Brook for Landlocked Atlantic Salmon and viable cold-water habitat for other target species such as Eastern Brook Trout
- 16.2 acres of riparian buffer easement implemented
- 10 linear acres of riparian corridor restored, 6000 ft of exclusion fence
- preliminary feasibility, conceptual design, and construction cost estimates for one dam and bridge removal on the mainstem of the Boquet River

Organization: The Nature Conservancy NY

Contact Person: Josh LaFountain

Mailing Address: 8 Nature Way
Keene Valley NY, 12943

Phone: 585-313-3273

E-mail: josh.lafountain@tnc.org

Website: nature.org

Outcomes:

- improved water quality in the Boquet River Watershed
- improved capacity of BRASS to manage watershed improvement projects

NEIWPCC Code: LS-2023-076
EPA 0364-002-001
Start Date: 4/12/2024
Close Date:
Grant Amount: \$200,000.00
Non-federal Match: \$ 52,350.00
Total Amount: \$252,350.00



2024 AOP Restoration & Implementation

in progress

Dam Removal Implementation - 3 Dams Across 3 Watersheds

Project Description

The objectives of this project are to restore natural stream function and aquatic organism passage (AOP) and habitat. The outputs for each of these implementation projects will be removing each of the three dams. The outcomes will be restored AOP and habitat, improved water quality, flood resilience, and public safety as well as increased education and outreach at the local level on the benefits of dam removal for the Lake Champlain Basin.

Outputs:

- removal of 3 dams

Outcomes:

- restoration of natural stream function and aquatic organism passage (AOP) and habitat
- improved water quality, flood resilience, and public safety

Organization: Vermont Natural Resource Council

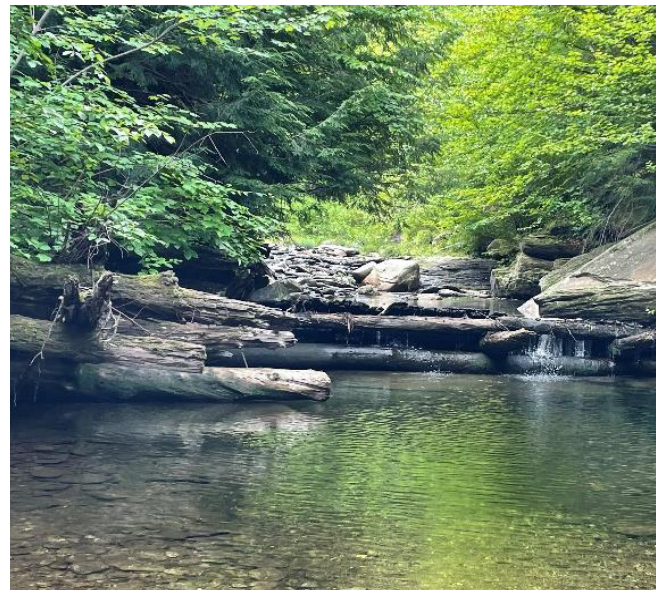
Contact Person: Karina Dailey

Mailing Address: 11 Baldwin Street
Montpelier, Vermont 05602

Phone: 802.881.3423

E-mail: kdailey@vnrc.org

Website: vnrc.org



*Morses Mill Dam prior to removal.
Photo credit: Karina Dailey, VNRC*



NEIWPCC Code: LS-BIL-2024-048

EPA 0365-003-001

Start Date: 7/11/2024

Close Date:

Grant Amount: \$250,000.00

Non-federal Match: \$ 50,000.00

Total Amount: \$300,000.00

2024 AOP Restoration & Implementation

in progress

Design for the Removal of Three Winooski AOP Barriers

Project Description

The primary objective of the project is to complete engineering designs for the removal of three barriers to aquatic organism passage in the Winooski River watershed. Outputs will include requests for proposals to solicit engineering services; meetings with stakeholders, such as representatives of the Towns, neighboring landowners, funding agencies, and regulators, including the Department of Historic Preservation. The final products supported by this grant will be a final design for removal of the East Calais Mill dam on the Kingsbury Branch in Calais; a final design for replacement of a culvert on Gunners Brook at Mitchell Road in Barre Town; and a final design for replacement of a culvert on a tributary to the Stevens Branch at Baptist Street in Williamstown.

Outputs:

- meetings with stakeholders
- final design for removal of the East Calais Mill dam on the Kingsbury Branch in Calais; a final design for replacement of a culvert on Gunners Brook at Mitchell Road in Barre Town; and a final design for replacement of a culvert on a tributary to the Stevens Branch at Baptist Street in Williamstown.
- commemorative signage

Outcomes:

- restoration of natural stream function and aquatic organism passage (AOP) and habitat

Organization: Friends of the Winooski River

Contact Person: Michele Braun

Mailing Address: 21 Marvin St
Montpelier, VT 05602

Phone: 802-279-3771

E-mail: michele@winooskiriver.org

Website: winooskiriver.org



East Calais dam.



NEIWPCC Code: LS-BIL-2024-049

EPA 0365-003-001

Start Date: 5/21/2024

Close Date:

Grant Amount: \$233,002.00

Non-federal Match:

Total Amount: \$233,002.00

2023 AOP Restoration & Implementation

in progress

Engineering Dam Removal in the Brewster Watershed

Project Description

The objectives of this project are to restore aquatic organism passage and habitat, while at the same time improving water quality, flood resilience, and public safety along the Brewster River. For Morses Mill Dam, and Grist Mill Dam the outputs of this project will be stakeholder meetings, engineering design plans, topographic surveys, and permitting for the removal of both dams. For the Smugglers Notch Access Road Dam, the outputs will be a partial design for removal.

Outputs:

- engineering designs, surveys and permitting
- stakeholder meetings

Outcomes:

- complete preparation for removal implementation
- restoration of aquatic organism passage and habitat
- improved water quality, flood resilience, and public safety
- awareness of the impact of dams on river connectivity, aquatic organism passage water quality, public safety, flood resilience and economics

Organization: Vermont Natural Resources Council

Contact Person: Karina Dailey

Mailing Address: 11 Baldwin Street
Montpelier, Vermont 05602

Phone: 802.881.3423

E-mail: kdailey@vnrc.org

Website: vnrc.org



*Morses Mill Dam prior to removal.
Photo credit Karina Dailey, VNRC*



PATRICK LEAHY
Lake Champlain
Basin Program

NEIWPCC Code: LS-BIL-2023-033

EPA 0365-003-001

Start Date: 6/1/2023

Close Date:

Grant Amount: \$100,000.00

Non-federal Match: \$ 10,000.00

Total Amount: \$110,000.00

2023 AOP Restoration & Implementation

in progress

Engineering Four Winooski River Dams for Removal and Developing Corridor Protection

Project Description

Funds will be used to conduct engineering studies, assessments, and permitting requirements to remove four dams on the Winooski River and North Branch, and to begin the process of protecting critical upstream floodplains. As a result of this work, we will produce engineering feasibility studies evaluating the technical aspects to remove four dams on the Winooski River and North Branch of the Winooski. We will also complete mapping and landowner conversations with at least 12 landowners in the upper Winooski, working towards river corridor protections along the upper Winooski River.

Outputs:

- select engineering firm
- conduct geomorphic, habitat, structural, geotechnical, recreational assessments to inform design for and feasibility of removing four dams (Trestle, Bailey, Pioneer Street, Hidden).
- conduct modeling to determine hydrology
- concept (30%) design, semi-final design, final design
- secure permits
- river corridor protections: reach out to 12 landowners

Outcomes:

- prevent catastrophic failure and reduce industrial contaminants released into downstream waterways.
- reconnect fish passage, re-establish riparian habitat and improve recreational access to the river.

Organization: Vermont River Conservancy

Contact Person: Erin De Vries

Mailing Address: 29 Main Street, Unit 11
Montpelier, VT 05602

Phone: (802) 229-0820

E-mail: erin@vermontriverconservancy.org

Website: www.vermontriverconservancy.org



Bailey Dam



NEIWPCC Code: LS-BIL-2023-031

EPA 0365-003-001

Start Date: 4/12/2023

Close Date:

Grant Amount: \$299,023.00

Non-federal Match: \$ 30,000.00

Total Amount: \$329,023.00

2023 AOP Restoration & Implementation

in progress

Joe's Brook Culvert Replacement

Project Description

A culvert that passes Joe's Brook in Johnson on Foote Brook Rd will be replaced by a larger structure (design attached) to allow for Eastern Brook Trout passage and provide for further benefits of Phosphorus loading mitigation, flood mitigation, and overall stability of stream morphology. This culvert replacement was fully designed in 2019 and is now ready for implementation.

Outputs:

- implement the Joe's Brook Culvert Replacement Final Design
- request/review bids, secure engineering and construction contracts
- stakeholder meeting
- reconnection 1.75 miles of habitat upstream (before next barrier) for brook trout.

Outcomes:

- reduce nutrient loading.
- support conservation of habitat for ecosystem function
- reduce species fragmentation by preserving and connecting critical aquatic and riparian habitats.

Organization: Lamoille County Conservation District (LCCD)

Contact Person: Peter Danforth

Mailing Address: 109 Professional Dr., Suite # 2
Morrisville, VT 05661

Phone: (802) 521-3004

E-mail: lccddirector@gmail.com

Website: <http://www.lcnrcd.com/>



Joess Brook Culvert Outlet, Downstream



NEIWPCC Code: LS-BIL-2023-089
EPA 0365-003-001
Start Date: 9/19/2023
Close Date:
Grant Amount: \$149,556.00
Non-federal Match: \$201,074.00
Total Amount: \$350,630.00

2024 AOP Restoration & Implementation

in progress

Moss Road Bridge Replacement Project – North Branch Boquet River, Essex County, NY

Project Description

This project, a partnership between the Ausable River Association and Essex County Department of Public Works (DPW), to replace an undersized culvert with a bridge on a high-priority roadstream crossing, is critical to reconnecting salmon spawning habitat and protecting water quality in the North Branch Boquet River subwatershed.

Outputs:

- replacement of an undersized culvert with a bridge
- open approximately 49 upstream miles of river and coldwater tributary habitat for native brook trout and landlocked Atlantic salmon.

Outcomes:

- reconnecting salmon spawning habitat
- protecting water quality in the North Branch Boquet River subwatershed.

Organization: Ausable Freshwater Center

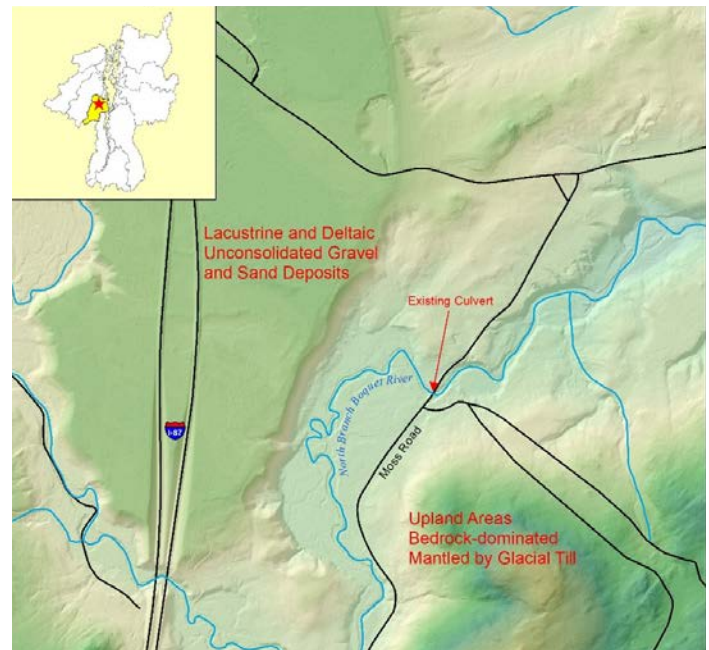
Contact Person: Gary Henry

Mailing Address: PO Box 8
Wilmington, NY 12997

Phone: 518-637-6859

E-mail: gary@ausablecenter.org

Website: ausablecenter.org



Overview of the project site. The river flow is west to east through the project area.



NEIWPCC Code: LS-BIL-2024-047

EPA 0365-003-001

Start Date: 6/24/2024

Close Date:

Grant Amount: \$249,986.00

Non-federal Match: \$500,000.00

Total Amount: \$749,986.00

2024 AOP Restoration & Implementation

in progress

Penfield Dam Removal Feasibility Study

Project Description

The Town of Crown Point, and project partner, the Penfield Homestead Museum, will complete a feasibility study of the historic Penfield Pond Dam. The primary objective of the project is to assess the impacts of dam removal on the water quality of Penfield Pond, Putnam Creek, and the aquatic habitats and species supported by these waterbodies. Project activities associated with the feasibility study include data collection (field survey, sediment probing and sample collection, rapid geomorphic assessment, base mapping, phase 1A archaeology report); hydrology calculations and hydraulic modeling (regression-based calculations and USGS stream gauge analysis to estimate peak flood flows and fish flows, existing conditions 1-dimensional hydraulic model and model validation); and analysis of various dam removal alternatives. The completed Dam Removal Feasibility Study will evaluate the ecological impacts of dam removal and will be utilized to inform the decision-making process for the future of the Penfield Pond Dam.

Outputs:

- completed Dam Removal Feasibility Study that evaluates the ecological impacts of dam removal

Outcomes:

- prioritization, protection and restoration of important riparian, shoreland and wetland habitat areas
- reduction of species fragmentation created by infrastructure, such as roads, dams, and culverts for native species

Organization: Town of Crown Point

Contact Person: Charles Harrington

Mailing Address: 17 Monitor Bay Road
Crown Point, NY 12928

Phone: 518-597-4104

E-mail: supervisor@townofcrownpointny.gov

Website: townofcrownpointny.gov



Aerial view of the Penfield Pond Dam.



NEIWPCC Code: LS-BIL-2024-034
EPA 0365-003-001
Start Date: 4/12/2024
Close Date:
Grant Amount: \$43,000.00
Non-federal Match: \$ 1,000.00
Total Amount: \$44,000.00

2023 AOP Restoration & Implementation

in progress

Reconnecting Vermont Rivers through Dam Removal in the Lake Champlain Basin

Project Description

This project continues VNRC's work to restore aquatic habitat, river connectivity, and natural riverine transport processes by removing dams that no longer serve a useful purpose. This project targets four (4) dams that have been selected based on ecological benefit for removal, hazard mitigation, landowner and stakeholder support, and distribution throughout the Lake Champlain Basin (LCB). Grant funds will be applied to contracts for feasibility, preliminary design, construction removal of these projects, and scoping to develop and prioritize future projects.

Outreach from this project will target a general audience. The more citizens aware of dam removal implementation efforts to reconnect VT rivers for the benefit of public safety, fish and wildlife, water quality, and flood resilience, the more projects we can accomplish and thereby improve the overall health of the Lake Champlain Basin.

Outputs:

- contracts for scoping, design, permitting and construction of four dam removal projects
- scoping task to identify and prioritize others dams for removal

Outcomes:

- improved public access/safety, fish and wildlife, flood resilience, and water quality
- combined total of approximately 4 acres of restored floodplain and wetland and over 3,000 linear feet of restored riparian habitat; restored stream equilibrium at all dam removal locations; removal of impounded sediment including legacy phosphorus laden sediment at all dam sites
- raised awareness of the impacts dams have on rivers and streams in the Basin and builds support resilience, and water quality; restore aquatic organism passage
- open up approximately 20 miles of river habitat

Organization: Vermont Natural Resources Council

Contact Person: Karina Dailey

Mailing Address: 11 Baldwin Street
Montpelier, Vermont 05602

Phone: 802.881.3423

E-mail: kdailey@vnrc.org

Website: vnrc.org



Habbep Dam, one of three Barre City dams, Barre



NEIWPCC Code: LS-BIL-2022-107

EPA 0365-003-001

Start Date: 1/25/2023

Close Date:

Grant Amount: \$299,722.00

Non-federal Match: \$ 48,000.00

Total Amount: \$347,722.00

2024 AOP Restoration & Implementation

in progress

Restoring Access to Upstream Habitat on a Tributary to Stannard Brook 2

Project Description

The current structure under Stannard Mountain Road in Stannard, Vermont is perched, blocking access to high quality climate change resilient habitat for eastern brook trout; and undersized, resulting in impaired sediment and debris transport along this stretch of stream. The outcomes of this project are to restore access to 5 miles of high-quality climate change resilient eastern brook trout habitat; improve water quality and help restore river and ecosystem function; and decrease community vulnerability to climate change. The general construction of the bridge will be a pre-cast, pre-stressed concrete deck with poured-in-place footers that are anchored into bedrock. The estimated total cost of construction is approximately \$612,550 (plus contingency). We will work to secure the remainder of the construction funding needed in 2024, release a construction bid in Spring of 2025, and go to construction during the 2025 field season.

Outputs:

- remove one fish passage barrier

Outcomes:

- restore access to 5 miles of high-quality climate change resilient eastern brook trout habitat
- improve water quality and restore river and floodplain function, decreasing community vulnerability to climate change.

Organization: Caledonia County Natural Resources Conservation District

Contact Person: Emily Finnegan

Mailing Address: 481 Summer Street Suite 202
St. Johnsbury VT 05851

Phone: 802-424-3149

E-mail: emily.finnegan@vt.nacdnet.net

Website: www.caledoniadistrict.org



Perched culvert on Stannard Brook at intersection of Stannard Mtn Road and Lazy Mill Rd in Stannard, Vermont



NEIWPCC Code: LS-BIL-2024-085
EPA 0365-003-001
Start Date: 6/24/2024
Close Date:
Grant Amount: \$250,000.00
Non-federal Match:
Total Amount: \$419,850.00

2023 AOP Restoration & Implementation

concluded

Right-sizing a Culvert on Phelps Brook and Roscoe Road, Boquet

Project Description

The Nature Conservancy (TNC) in New York will work with the Town of Lewis and other local partners to replace a failing road stream crossing with an upgraded culvert to restore aquatic organism passage on Phelps Brook. Objectives include removing the temporary culvert currently in place, installing the upgraded culvert, and restoring the natural streambed and riparian habitat at the construction site. Outputs for this project include the installation of 1 right-sized, open-bottom culvert. The outcomes will be approximately 7 miles of trout stream habitat reconnected and improved public safety and lowered road maintenance costs due to reduced flooding impacts for the Town of Lewis.

Outputs:

- installation of 1 right-sized, open-bottom culvert

Outcomes:

- 7 miles of trout stream habitat reconnected
- improved public safety and lowered road maintenance costs due to reduced flooding impacts

Organization: The Nature Conservancy NY

Contact Person: Josh LaFountain

Mailing Address: 8 Nature Way
Keene Valley, NY

Phone: 585-313-3273

E-mail: josh.lafountain@tnc.org

Website: n/a



Inlet at Roscoe Road culvert replacement site – Lewis, NY



NEIWPCC Code: LS-BIL-2023-077

EPA 0365-003-001

Start Date: 7/31/2023

Close Date: 6/17/2025

Grant Amount: \$159,253.00

Non-federal Match:

Total Amount: \$159,253.00

2024 AOP Restoration & Implementation

in progress

Saranac Headwaters – Goldsmith Rd at West Brook

Project Description

Trout Unlimited (TU) and the Town of Franklin are collaborating on the Saranac Headwaters Reconnection Project which includes installing a new crossing structure with >1.25x bankfull width and >3x flow capacity to provide aquatic organism passage for brook trout and flood resiliency for the town. The previous, undersized 3-pipe structure (NAACC Survey ID 48015) failed during December 2023 flood that impacted much of the Adirondacks. This crossing has presented problems for the Town for several years and with the recent failure, the time is now to upgrade this infrastructure that supports full-time and seasonal residents, recreation, and tourism.

Outputs:

- a new crossing structure

Outcomes:

- improve aquatic organism passage, protect water quality, restore portions of the stream channel, reduce flood and erosion risk, and increase safety for recreationalists
- reduction of species fragmentation by preserving and connecting critical aquatic and riparian habitats.
- 2.16 miles of coldwater stream connectivity

Organization: Trout Unlimited

Contact Person: Jacob Fetterman

Mailing Address: 1777 N. Kent Ave Suite 100
Arlington, VA 22209

Phone: (570) 751-8773

E-mail: jacob.fetterman@tu.org

Website: www.tu.org



Inlet to Goldsmith Rd crossing –TU, 6/13/2023

NEIWPCC Code: LS-BIL-2024-099

EPA 0365-003-001

Start Date: 6/20/2024

Close Date:

Grant Amount: \$ 43,903.00

Non-federal Match: \$144,611.00

Total Amount: \$158,514.00



2024 AOP Restoration & Implementation

in progress

Trout Brook Reservoir Dam Removal

Project Description

The objective of this project is to implement Phase 1 of the removal of the Trout Brook Reservoir Dam and restoration of the Trout Brook in Berkshire, VT. The unmaintained dam is in poor condition, generally deteriorated, and no longer being used. The dam negatively impacts water quality, habitat, public safety, and aquatic organism passage. Dam removal will reconnect 4.8 miles of headwater habitat.

Outputs:

- removal of a dam
- reconnect 4.8 miles of stream habitat for aquatic organism passage

Outcomes:

- improved aquatic organism passage and climate resilience

Organization: Franklin Co NRCD

Contact Person: Lauren Weston

Mailing Address: 50 S Main St. Ste. B-20
St. Albans, VT 05478

Phone: 802-528-4176

E-mail: lauren@franklincountynrcd.org

Website: franklincountynrcd.org



Trout Brook Reservoir Dam with water flowing over the spillway in September 2022.



NEIWPCC Code: LS-BIL-2024-024

EPA 0365-003-001

Start Date: 4/3/2024

Close Date:

Grant Amount: \$116,987.00

Non-federal Match:

Total Amount: \$116,987.00

2025 IJA Culvert Replacement NY

in progress

Engineering Four Culverts in Spruce Mill Watershed

Project Summary

The purpose of this project is to design the replacements for four undersized perched culverts within the Spruce Mill Brook watershed to correct structural deficiencies and restore passage of all life stages of Eastern Brook trout and other aquatic species. Two of the road stream crossings are owned by the Town of Lewis and two are owned by Essex County in New York. Project deliverables will include 30% and subsequent 100% design documents for each crossing that enable future project funding requests and construction (scope/schedule/cost), with all technical requirements met for all applicable regulatory agencies.

Outputs:

- 30% and subsequent 100% design documents for each crossing that enable future project funding requests and construction (scope/schedule/cost), with all technical requirements met for all applicable regulatory agencies.
- provide civil and structural engineering services for the development of detailed design plans to replace the stream crossing structures at all four of the sites
- survey work and four independent plan sets will be developed with accompanying details, technical specifications, and bid documents for construction / implementation and to assist with future project funding efforts.

Outcomes:

- improved aquatic organism passage (AOP) at all four of the sites, with approximately 12.8 upstream miles opened
- improved flood resiliency and improved water quality.

Organization: SRA Engineers
Contact Person: Erik Sandblom, P.E.
Mailing Address: 453 Dixon Road
 Queensbury, NY 12804
Phone: 518-761-0417
E-mail: eriks@sraengineers.com
Website: www.sraengineers.com

NEIWPCC Code: L-BIL-2025-116
EPA: 0365-003-001
Start Date: 09/18/2025
Close Date:
Grant Amount: \$211,136.00
Non-federal Match:
Total Amount: \$211,136.00

2024 IIJA - Land Conservation

in progress

Acquisition and Easements: Big Falls to the Border

Project Summary

With the acquisition of 50+ acres of forested floodplain and scrub-shrub wetland along the Missisquoi River in North Troy and conservation of a natural area adjacent to Big Falls State Park in Troy, we will continue basin wide efforts to protect and restore healthy ecosystems, improve water quality, provide wildlife habitat, increase flood resiliency, and increase a community's access to their river.

Outputs:

- Acquire two 25+ acre parcels in the Village of North Troy from LeBlanc Family for conservation purposes.
- Establish a Conservation Easement on the LeBlanc Village Parcels
- Obtain option to buy agreement; Receive land appraisal report; Purchase & Sale Agreement; Property Survey; Conservation Easements; Baseline Documentation Reports; Title Report and Insurance; Stewardship and Management Plan.
- Develop Conservation Easement for Big Falls Eddy Park
- Meetings notes and photos; Conservation Easement; Baseline Documentation Report; Title Report and Insurance; Stewardship and Management Plan; Press release and media event.

Outcomes:

- Increase in flood storage capacity and filtration of pollutants
- Improved water quality and reduced phosphorus loading
- Increase in diverse wildlife habitats and wildlife observations
- Appreciation of our waterbodies and community stewardship of them

Organization: Vermont River Conservancy
Contact Person: Erin De Vries
Mailing Address: 29 Main Street, Unit 11
 Montpelier, VT 05602
Phone: 802-229-0820
E-mail: erin@vermontriverconservancy.org
Website: www.vermontriverconservancy.org

NEIWPCC Code: LS-BIL-2025-108
 EPA: 0365-003-002
 Start Date: 08/26/2025
 Close Date:
 Grant Amount: \$139,607.00
 Non-federal Match:
 Total Amount: \$139,607.00

2024 IJA - Land Conservation

in progress

Bear Paw Pond Conservation Area, Montgomery Center VT

Project Summary

A unique opportunity was offered to the Hazen's Notch Conservation Trust (HNCT) to purchase a conservation easement on the Bear Paw Pond property, a large, bio-rich, forested property with a pond, springs, seeps, and vernal pools in the drainage of the Trout River, which connects to other parcels that are and will be conserved with the HNCT, and is also home to a very sought-after educational education summer camp for kids.

Outputs:

- purchase a conservation easement on a 98.92-acre piece of bio-diverse, forested property in Montgomery Center, Vermont.

Outcomes:

- protect in-perpetuity the ecological integrity and the water quality of this property, whose waters feed the Wade Brook, Trout River, Missisquoi River, and the Lake Champlain Basin. And protect property from development, subdivision, and ecologically unsound management practices,
- enhance the climate resiliency potential of the region.
- meet the conservation goals of the ANR, the LCBP, and other state and regional conservation groups.
- increase the confidence and support of other landowners in the area who would like to, but are hesitant about conserving their land.
- continued use of a well-established trail system and summer camp
- access to open spaces and make informed decisions in the future about land use and planning.

Organization: Hazen's Notch Conservation Trust
Contact Person: Sara Caldwell
Mailing Address: PO Box 324
Montgomery Center, VT 05471
Phone: 802-309-2992
E-mail: hazensnotchvt@gmail.com
Website: www.hnct.org

NEIWPCC Code: LS-BIL-2025-039
EPA: 0365-003-002
Start Date: 06/04/2025
Close Date:
Grant Amount: \$181,247.00
Non-federal Match: \$5,017.80
Total Amount: \$186,269.00

2024 IJA - Land Conservation

in progress

Jail Branch (Winooski River) Easement Acquisition in Washington, VT

Project Summary

Vermont Land Trust (VLT) will complete a conservation easement acquisition on a +/-77 acre parcel in Washington, Vermont, with enhanced river corridor protections and funding provided in partnership with the Vermont Department of Environmental Conservation.

Outputs:

- VLT will carry out a conservation easement acquisition on approximately 77 acres of farmland and woodland along the Jail Branch of the Winooski River in Washington, Vermont (Objective 1). The project funding will be leveraged by River Corridor Easement funding and associated project cost funding provided by VT DEC.

Outcomes:

- reduced phosphorus loading to Lake Champlain through the Winooski River
- increased Jail Branch floodplain function and access
- slowing of flood waters
- increased flood and nutrient storage capacity in floodplain and wetlands
- improved wildlife habitat; and enhanced connectivity river, riparian, and wetland features.
- Approximately 6 acres of ag land within 50' of streams will be retired and planted with the help of partner organizations.
- Approximately 77 acres will be permanently conserved, with 16 acres of river corridor restrictions and 6 acres of wetland restrictions.

Organization: Vermont Land Trust
Contact Person: Britt Haselton
Mailing Address: 8 Bailey Ave
Montpelier, VT 05603
Phone: 802-879-6672
E-mail: britt@vlt.org
Website: www.vlt.org

NEIWPCC Code: LS-BIL-2025-106
EPA: 0365-003-002
Start Date: 08/22/2025
Close Date:
Grant Amount: \$128,610.00
Non-federal Match: \$76,940.00
Total Amount: \$205,550.00

2024 IJA - Land Conservation

in progress

Jay Wetland Conservation Initiative

Project Summary

This project will enable the Town of Jay to acquire an important wetland complex and floodplain of the Jay Branch and enable the MRBA to acquire the abutting 10-acre parcel (which provides access to the larger parcel) to enhance protection of the ecological functions, and implement community-driven plans to increase public access, education, and recreational opportunities on these 200+ acres.

Outputs:

- acquire abutting 194.5-acre and 10-acre parcels near the downtown area of Jay.
- conservation and restoration of the wetland and floodplain by planting native species, ditch plugging, and restoration of land depressions
- expansion of nearby community trails at the adjacent Jay Community Recreational Center and lasting protections for the existing VAST and Catamount Trails
- outdoor education activities.
- create community spaces for learning about conservation activities.
- development of a Conservation Management Plan, a Site Plan, and a clear and useful stewardship plan in alignment with ecological principles and the community desires.

Outcomes:

- increase flood and climate resiliency
- enduring protections of this important floodplain
- more diverse wetland and aquatic habitat for invertebrates, small mammals, and birds.
- benefits for water quality and flood resiliency.
- Expansion of Native Plant Nursery to these

Organization: Town of Jay
 Contact Person: Lindsey Wight
 Mailing Address: 2839 VT Route 105
 East Berkshire, VT 05447
 Phone: 802-933-3645
 E-mail: lindsey@mrbaVT.com
 Website: mrbaVT.com

Parcels will provide a long-term on-property presence and host site for management and stewardship activities, and educational opportunities ranging from student day-visits, to internships and more.

NEIWPCC Code: LS-BIL-2025-040
 EPA: 0365-003-002
 Start Date: 06/12/2025
 Close Date:
 Grant Amount: \$381,369.00
 Non-federal Match: \$4,372.00
 Total Amount: \$385,741.00

2024 IJA - Land Conservation

in progress

Overlay Easement Acquisition Project in Charlotte, Vermont

Project Summary

Vermont Land Trust (VLT) will complete two concurrent "overlay" easement acquisitions totaling +/-133 acres on two previously conserved farmland parcels in Charlotte, Vermont, to place permanent riparian and wetland restrictions on the property.

Outputs:

- VLT will carry out a pair of "overlay" easement acquisitions on previously conserved farm parcels in Charlotte, Vermont, to add permanent wetland and riparian protections to the projects.

Outcomes:

- reduced phosphorus loading to Lake Champlain through the LaPlatte River
- increased floodplain function and access
- slowing of flood waters
- increased flood and nutrient storage capacity in floodplain and wetlands
- improved wildlife habitat
- enhanced connectivity river, riparian, and wetland features.
- +/-133 acres of riparian and wetland protections.

Organization: Vermont Land Trust
 Contact Person: Britt Haselton
 Mailing Address: 8 Bailey Ave
 Montpelier, VT 05603
 Phone: 802-879-6672
 E-mail: britt@vlt.org
 Website: www.vlt.org

NEIWPC Code: LS-BIL-2025-041
 EPA: 0365-003-002
 Start Date: 06/12/2025
 Close Date:
 Grant Amount: \$125,103.00
 Non-federal Match:
 Total Amount: \$125,103.00

2024 IJA - Land Conservation

in progress

Willsboro Bay Shoreline Property Protection and Access

Project Summary

The Town of Willsboro will acquire 67.80 acres from the Adirondack Land Trust with an agreement for public access, water quality protection and land use conversation within a designated Disadvantaged Community.

Outputs:

- acquisition of 68 acres and the development of a Shoreline Access, Land Use and Conservation Management Plan.
- implementable grassland management strategy and maintenance schedule.

Outcomes:

- protect the land from future development, and provide drinking water protection
- prevention of housing and commercial development (subdivision of parcel development of up to 21 buildings is currently allowable) on the 68 Acre Parcel. The effect of the Parkland deed covenant is that it remains undeveloped.
- prevent impermeable surfaces, wastewater intrusion, stormwater runoff and phosphorus loading into Lake Champlain.
- open space preservation and public access to Lake Champlain, nature and shoreline recreation.

Organization: Champlain Area Trails
Contact Person: Anna Reynolds
Mailing Address: 5 Farrell Rd
Willsboro, NY 12996
Phone: 518-963-8668
E-mail: anna.reynolds@essexcountyny.gov
Website: champlainareatrails.com

NEIWPCC Code: LS-BIL-2025-064
EPA: 0365-003-002
Start Date: 06/18/2025
Close Date:
Grant Amount: \$1,067,500.00
Non-federal Match: \$2,000.00
Total Amount: \$1,069,500.00

2024 IJA - Land Conservation

in progress

Willsboro High Point Conservation Project

Project Summary

The 118-acre Harbison Property is part of the intact forest in the center of Willsboro Point. Its wetlands help form the shallow swale running parallel to Lake Champlain on the east side of the Point. We will buy the property, preserve it, reach out to neighbors about conserving their lands, and make the existing and popular High Point Trail, that we manage on the property, permanent. At the trailhead, we will improve the parking area, put in an invasive species boot brush, and install a kiosk with a display explaining how natural lands contribute to keeping Lake Champlain clean.

secure permanence to its popular High Point Trail, help protect Lake Champlain's water quality, and advance LCBP's Clean Water, Healthy Ecosystems, Thriving Communities, and Informed and Involved Public Goals in a community that has two criteria identifying it as "disadvantaged."

Outputs:

- acquire and conserve the 118-acre Harbison Property
- Establish a preserve
- Create a permanent trail for recreation

Outcomes:

- protect habitats & biodiversity
- connect the community with nature & promote appreciation of local ecosystems.
- Reduction of harmful nutrients & contamination in Lake Champlain
- invasive species spread prevention & educate the public about conservation & the Lake Champlain Basin.
- community involvement in project & trail activities to connect to nature & promote environmental conservation.
- preserving forested areas vital in storing carbon.
- Seek funding & form partnerships to protect key properties & forests to preserve the ecological balance and resilience of natural habitats.

Organization: Champlain Area Trails
 Contact Person: Chris Maron
 Mailing Address: PO Box 193
 Westport, NY 12993
 Phone: 518-962-2287
 E-mail: cmaron@champlainareatrails.com
 Website: www.ChamplainAreatrails.com

NEIWPC Code: LS-BIL-2025-064
 EPA: 0365-003-002
 Start Date: 06/23/2025
 Close Date:
 Grant Amount: \$375,151.00
 Non-federal Match: \$60,700.00
 Total Amount: \$435,851.00

2024 IJA - Land Conservation

in progress

Winooski River Easement Acquisition in East Montpelier, VT

Project Summary

Vermont Land Trust (VLT) will complete a conservation easement acquisition on a +/-226-acre parcel in East Montpelier, Vermont, with enhanced river corridor protections and funding provided in partnership with the Vermont Department of Environmental Conservation.

Outputs:

- VLT will carry out a conservation easement acquisition on approximately 226 acres of farmland and woodland along the Winooski River in East Montpelier, Vermont (Objective 1). The project funding will be leveraged by River Corridor Easement funding and associated project cost funding provided by VT DEC.

Outcomes:

- reduced phosphorus loading to Lake Champlain through the Winooski River
- increased floodplain function and access
- slowing of flood waters; increased flood and nutrient storage capacity in floodplain and wetlands
- improved wildlife habitat; and enhanced connectivity river, riparian, and wetland features.
- conserve +/-226 acres of land. +/-32 of these acres will be subject to river corridor restrictions, ensuring the river channel can adjust over time. About 19.5 acres of land will be subject to riparian buffer protections (50' buffers), of which approximately 2.5 acres will be retired from agriculture and planted with the help of partner organizations.

Organization: Vermont Land Trust
 Contact Person: Britt Haselton
 Mailing Address: 8 Bailey Ave
 Montpelier, VT 05603
 Phone: 802-879-6672
 E-mail: britt@vlt.org
 Website: www.vlt.org

NEIWPCC Code: LS-BIL-2025-107
 EPA: 0365-003-002
 Start Date: 08/22/2025
 Close Date:
 Grant Amount: \$444,110.00
 Non-federal Match: \$126,940.00
 Total Amount: \$571,050.00

2024 Native Tree Nurseries

in progress

Expanding Nursery Capacity to Include Native Species for Regional Wholesale, Bareroot Market

Project Description

Mace Chasm Farm's Tree Nursery will expand into offering wholesale, native, bareroot shrubs/trees made available to conservation projects in our region. Mace Chasm will engage with regional conservation planning organizations to hone in on specific crops it can grow for the regional wholesale market demand. This grant project will fund the construction of important infrastructure for this venture - a climate-controlled tree storage cooler, to be located in their barn. This will enable the farm to dig our plant materials in the fall, once dormant, and store them until spring planting season. Without the ability to store trees and shrubs through the winter months, nursery growers take a real gamble as to whether they'll be able to get into their fields in the Spring before plants break dormancy.

Outputs:

- construction of a climate-controlled tree storage cooler
- initial production goal is 2,000 stems, with a longer-term production goal of 10-20,000 stems.

Outcomes:

- enhancement of the native plant supply available for habitat conservation

Organization: Mace Chasm Farm, LLC

Contact Person: Courtney Grimes-Sutton

Mailing Address: 810 Mace Chasm Rd.
Keeseville, NY, 12944

Phone: (518) 963-4169

E-mail: macechasmfarm@gmail.com

Website: www.macechasmfarm.com



This photo shows the barn that will house the tree storage cooler peeking over some 2022 Spring grafts and chestnut seedlings in nursery beds. The arrow marks the site!



NEIWPCC Code: LS-2024-121
EPA 0365-003-003
Start Date: 8/19/2024
Close Date:
Grant Amount: \$56,455.00
Non-federal Match: \$29,750.00
Total Amount: \$86,205.00

2024 Native Tree Nurseries

in progress

Growing Local: The Ausable Conservation Nursery at Uihlein Farm

Project Description

A partnership between the Ausable River Association (AsRA) and the Uihlein Foundation of Lake Placid, has laid a foundation for a hyper local native plant nursery—a project of the Ausable River Association. LCBP funds will (1) support expansion and repair of nursery infrastructure (greenhouse glass repairs, a high tunnel for plants, and fencing) and allow for purchase of needed supplies and equipment (propagation supplies, a hydraulic plant lifter), (2) assist acquisition of plant material (seeds, plants, soil amendments), and (3) build capacity with one full-time hire, part time assistance, and experienced consultants.

The next two years of work (2024-25) will prioritize establishing and growing hyper-local, elevation-hardy, woody plant stocks at a scale that by 2027 will measurably enhance the native plant supply available for habitat conservation—starting with AsRA stream restoration projects. In years three to six, as plants are established and processes systematized, new woody species will be brought online, grasses will be added to nursery inventory, growing plots expanded per adaptive assessments, and limited sales to the public will begin. Long-term outcomes resulting from increased availability of native plants include enhancing native habitat and stream side ecosystems, augmenting flood and climate resilience for local communities, providing engagement opportunities to the public, and training, volunteer, and job opportunities for residents.

Outputs:

- expansion and repair of nursery infrastructure
- acquisition of plant material
- build capacity with one full-time hire, part time assistance, and experienced consultants.

Outcomes:

- enhancement of the native plant supply available for habitat conservation

Organization: Ausable River Association

Contact Person: Kelley Tucker

Mailing Address: PO Box 8
Wilmington, NY 12997

Phone: 518-637-6859

E-mail: ktucker@ausableriver.org

Website: ausableriver.org



The current greenhouse stands to the right and will see significant upgrades. Immediately left are the old plant benches with the existing foundations to house the new high tunnel.



NEIWPCC Code: LS-BIL-2023-119

EPA: 0365-003-001

Start Date: 12/1/2023

Close Date:

Grant Amount: \$651,000.00

Non-federal Match: \$ 71,944.00

Total Amount: \$722,944.00

2024 Native Tree Nurseries

in progress

Intervale Conservation Nursery: Improving Business Strategies and Partnerships for Long-Term Success

Project Description

This funding will expand capacity to provide native trees and shrubs for conservation partners throughout the Lake Champlain Basin of Vermont and New York. Through investments in business and partnership development, the annual output of native stems will double while keeping prices stable. An innovative cost-sharing program to explicitly involve and benefit socially disadvantaged communities will be piloted. This project will help achieve the next steps toward meeting the Center's business plan, working toward its goal of providing 70,000 stems for sale by 2027. This project will result in an improved and simplified production plan; a streamlined pricing structure; technical assistance and education to emerging nurseries and conservation professionals to enhance the workforce and grow more trees; a more secure seed supply to benefit nurseries statewide; and a program for free or reduced cost tree distribution to projects in socially disadvantaged communities.

Outputs:

- enhanced pricing sheet and focused species list
- 75,000 trees propagated in 2024, 85,000 trees propagated in 2025
- harvest and sales data; media posts

Outcomes:

- enhancement of the native plant supply available for habitat conservation to enhance water quality, create habitat, mitigate flooding, and build climate resilience.

Organization: Intervale Center

Contact Person: Mandy Fisher

Mailing Address: 180 Intervale Road
Burlington, VT 05401

Phone: 802-863-5399

E-mail: mandy@intervale.org

Website: intervale.org



Silver Maples growing in the Intervale Conservation Nursery greenhouse



NEIWPCC Code: LS-BIL-2023-098
EPA 0365-003-003
Start Date: 12/1/2023
Close Date:
Grant Amount: \$173,265.00
Non-federal Match:
Total Amount: \$173,265.00

2024 Native Tree Nurseries

in progress

MRBA Native Plant Nursery

Project Description

With 27 years of experience planting riparian buffers throughout the watershed, the MRBA has become increasingly aware of the complications of sourcing healthy local tree stock, as well as the need for more economic, educational, and community-driven spaces in our region. The establishment of the MRBA Native Plant Nursery will enable us to address the needs of riparian plantings within our watershed, while also creating job opportunities, educational pathways for local students, and a thriving community space for a slowly dwindling rural town in northern Vermont.

Outputs:

- Lease property, finalize business plan & press release
- Plan and design Nursery infrastructure
- Build and plant beds
- Hire Nursery staff
- Build infrastructure

Outcomes:

- enhancement of the native plant supply available for habitat conservation

Organization: Missisquoi River Basin Association

Contact Person: Lindsey Wight

Mailing Address: 2839 VT Route 105
East Berkshire, VT 05447

Phone: (802) 393-0076

E-mail: lindsey@mrbavt.com

Website: mrbavt.com



a group of students from the Bronx visits Jay Peak every spring, and have assisted the MRBA with a water quality project since 2016 as part of their annual visit; in 2022, this impressive group helped plant ~400 trees along a stream in ~2 hours.

NEIWPCC Code: LS-BIL-2023-110

EPA 0365-003-003

Start Date: 11/30/2023

Close Date:

Grant Amount: \$401,477.00

Non-federal Match: \$ 26,394.00

Total Amount: \$427,871.00



2024 Native Tree Nurseries

concluded

Redstart's Native Restoration Tree Nursery Improvement and Expansion

Project Description

The proposed project will support investments in infrastructure, equipment, supplies, and staffing to allow Redstart to increase nursery production of important native trees and shrubs. This effort will be built on Redstart's strengths and pursued in an efficient collaboration with other nurseries operating with a shared goal of increasing nursery stock availability and maintaining affordability within the Lake Champlain Basin. With investments in the nursery operation, Redstart anticipates being able to increase production from about 6,000 stems annually to at least 30,000 stems annually, representing a five-fold increase in available stock at a time of critical shortage.

Outputs:

- 5x increase in available stock from 6,000 stems to 30,000

Outcomes:

- enhancement of the native plant supply available for habitat conservation

Organization: Redstart Inc.

Contact Person: Ben Machin

Mailing Address: 2332 Goose Green Road
Bradford, VT 05033

Phone: (802) 439-5252 x 4

E-mail: ben@redstartconsulting.com

Website: <https://redstartconsulting.com/>



Photo of nursery in 2023. Current Scale is ~6,000 stems. With investments in infrastructure and equipment, these numbers will be able to scale up to 30,000 stems over time.



NEIWPCC Code: LS-BIL-2023-116

EPA 0365-003-003

Start Date: 12/1/2023

Close Date: 5/1/2025

Grant Amount: \$150,000.00

Non-federal Match: \$110,000.00

Total Amount: \$260,000.00

2025 IJA - Native Tree Nursery

in progress

Roots for Rivers: Native Trees for Supporting Local Plantings and Beyond

Project Summary

The Lamoille County Conservation District will provide native plant species for habitat and riparian projects in the Lake Champlain Basin. By sourcing and growing plant material locally, we will supply plants that are adapted to local conditions and therefore best meet a growing demand for projects in our region that reduce runoff and erosion, sequester carbon, support wildlife and pollinators, and increase resilience. In addition, we believe that education is an important component of this project, and we will therefore provide educational and hands-on opportunities to youth, through our Forest School and summer camps, and to members of the community. Such topics may include pruning and coppicing; establishment and care of native plants; seed and cuttings collection; plant propagation techniques; riparian plantings and planting for wildlife.

Outputs:

- press release detailing the project
- signed letters of commitment and contracts for skilled project labor
- purchase of supplies and materials
- newly installed infrastructure for growing native plant starts
- streamlined project implementation by utilization of the in-house nursery for plant acquisition
- summaries of each workshop and volunteering event, including the number of attendees
- summary of partner and landowner survey for needed plant species and number of stems a
- nursery planting plan
- list of available plants to send to partners and community members
- newsletter content related to project milestones and the annual tree sale
-

Outcomes:

- Increased native plant availability to support projects in the Lamoille and Lake Champlain Basin

Organization: Lamoille County Conservation District
 Contact Person: Sarah Skelding
 Mailing Address: 109 Professional Drive
 Morrisville, VT 05661
 Phone: 802-521-3004
 E-mail: lccd.ag.ss@gmail.com
 Website:

- increased utilization of native plants as they are more locally available and normalized in the community
- reduced runoff, erosion, phosphorus loading and habitat fragmentation in the Lake Champlain Basin through increased establishment and success of riparian buffers
- increased community understanding and engagement at all levels and project scales through workshops and exposure.

NEIWPCC Code: LS-BIL-2025-114
 EPA: 0365-003-003
 Start Date: 09/02/2025
 Close Date:
 Grant Amount: \$149,424.00
 Non-federal Match: \$18,754.00
 Total Amount: \$168,178.00

2024 Native Tree Nurseries

in progress

Seedling Cooperative and Managerial Capacity at the Champlain Valley Native Plant Restoration Nursery

Project Description

The purpose of this proposal is to increase and restructure the responsibilities of our permanent nursery staff and to increase seedling production. Outputs include an updated staffing model, an alternatives analysis for increasing production, and updated growing infrastructure.

Outputs:

- updated staffing model
- an alternatives analysis for increasing production
- updated growing infrastructure

Outcomes:

- enhancement of the native plant supply available for habitat conservation

Organization: Poultney Mettowee NRC

Contact Person: Sadie Brown

Mailing Address: P.O. Box 209
Poultney, VT 05764

Phone: (802) 287-0710

E-mail: sadie@pmnrcd.org

Website: www.pmnrcd.org



CVNPRN Intern and volunteer processing dogwood cuttings for propagation.



NEIWPCC Code: LS-BIL-2023-111

EPA 0365-003-003

Start Date: 12/20/2023

Close Date:

Grant Amount: \$39,085.00

Non-federal Match: \$ 7,830.00

Total Amount: \$46,885.00

2024 HNS Large Implementation

in progress

Eastern Hemlock Identification, Assessment, and Prioritization for the Lake George Watershed

Project Summary

This project will identify, map, and prioritize stands of Eastern hemlock trees throughout the Lake George watershed to guide future species management and understand potential water quality and ecological impacts that may occur in the watershed due to partial and total species loss. The objective of this project is to develop a unified understanding and approach to Eastern hemlock species management in the watershed based on potential water quality impacts and ecological services provided by the species. This approach includes targeted species preservation and stabilization efforts using chemical and biological HWA control measures and a plan for controlled and proactive management of species loss in selected locations coupled with a native species replanting plan.

Outputs:

- comprehensive and prioritized survey of Eastern hemlocks
- an actionable watershed-wide plan to preserve high-value hemlock stands while mitigating species loss with a replanting plan of alternative native species that provide similar ecological and water quality benefits for the watershed
- an approachable and interactive mapping tool conveying the importance of this species to water quality
- creation of one site-specific action plan for a watershed forest landowner.

Outcomes:

- future species management
- understanding of potential water quality and ecological impacts

Organization: Lake Champlain Lake George
Regional Planning Board

Contact Person: Allison Gaddy

Mailing Address: PO Box 765
Lake George, NY 12845

Phone: 518-668-5773

E-mail: Allison.gaddy@lclgrpb.org

Website: lclgrpb.org

NEIWPCC Code: LS-2024-090
GLFC 0100-339-003
Start Date: 6/24/2024
Close Date:
Grant Amount: \$108,094.00
Non-federal Match:
Total Amount: \$108,094.00



2024 HNS Large Implementation

in progress

Glens Falls Water Source Conservation Project

Project Summary

The District will be working with the City of Glens Falls Water Department to create a Municipal Conservation Maintenance Plan for the Glens Falls Watershed Properties, establish and build canoe access points for the District's Water Sampling and Monitoring Program, incorporate conservation plantings for habitat improvement, and utilize IMAP Invasives to identify locations of terrestrial invasive species such as burning bush, Japanese knotweed, and honeysuckle. A workshop focused on the City's conservation approach to municipal land management, conservation planting days, and the municipal conservation maintenance guide will be a direct output of this project. Outcomes of this project will be safer canoe access points for further water quality sampling and monitoring, a maintenance guide for the water department to adopt into their land management of the properties, and habitat improvement and enhancement of the watershed properties.

Outputs:

- maintenance guide for the water department to adopt into their land management of the properties

Outcomes:

- habitat improvement and enhancement of the watershed properties

Organization: Warren County Soil and Water Conservation District

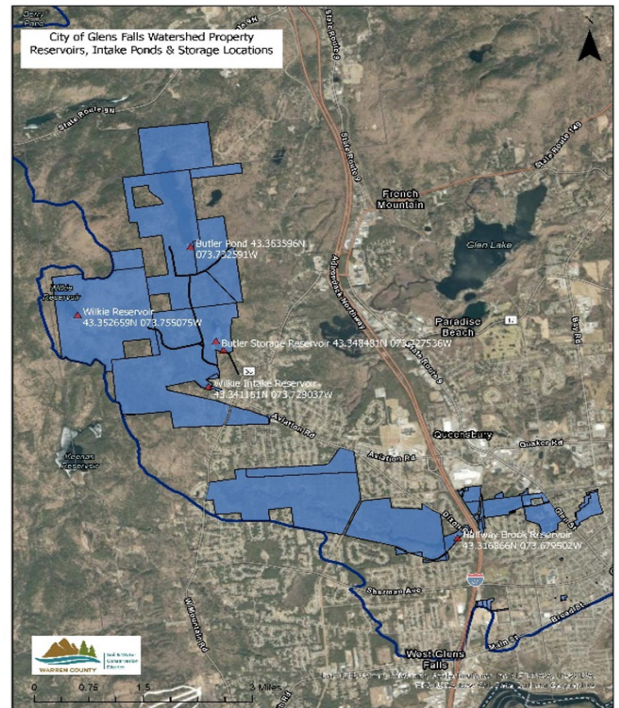
Contact Person: Maren Stoddard

Mailing Address: 94 Schroon River Road
Warrensburg, NY 12885

Phone: (518)623-3119

E-mail: marens@warrenswcd.org

Website: warrenswcd.org



City of Glens Falls watershed properties within the Lake Champlain Watershed.

NEIWPCC Code: LS-2024-066

EPA 0368-003-001

Start Date: 5/21/2024

Close Date:

Grant Amount: \$72,056.00

Non-federal Match: \$10,056.00

Total Amount: \$82,112.00



2024 HNS Large Implementation

in progress

Invasive Species Management and Ecosystem Restoration in the Mad River Valley

Project Summary

The major goals of this project are to accelerate the development and implementation of a scientifically-grounded approach to invasive species management (with a concentration on Itadori knotweed) AND ecosystem restoration in the Mad River Valley in a manner that features significant community engagement and collaboration with the Warren and Fayston Conservation Commissions, Friends of the Mad River, University of Vermont, and other partners.

Outputs:

- clean up knotweed propagules dispersed by the December 2023 flood in 10 floodplain locations and increase the number of knotweed infestations being managed from 145 in 2023 to 175 in 2024/2025;
- plant 1,272 bare root native trees and shrubs in 5 high priority riparian locations along the Mad River where knotweed is being managed, thus contributing to the restoration of riparian ecosystems;
- implement a scientifically-grounded monitoring program to gauge the effectiveness of the employed knotweed management methods;
- conduct an initial assessment of the locations and prevalence of terrestrial invasive species other than knotweed to help inform the next phase of invasive species work and develop plans/priorities for management;
- test mechanical methods for decontaminating knotweed-infested gravel;

Outcomes:

- increase community awareness of the damage caused by invasive plant species and actions that can be taken to minimize this damage.
- ecosystem restoration in the Mad River Valley

Organization: Town of Waitsfield

Contact Person: Curt Lindberg

Mailing Address: 4144 Main Street
Waitsfield, VT 05673

Phone: 609-647-9832

E-mail: wcclindberg@gmail.com

Website: <https://www.waitsfieldvt.us/>



A photo of a site where knotweed crowns rhizomes were dug up and then smothered with heavy vinyl in 2023.

NEIWPCC Code: LS-2024-064
EPA 0368-003-001
Start Date: 5/17/2024
Close Date:
Grant Amount: \$100,000.00
Non-federal Match: \$ 69,259.00
Total Amount: \$169,259.00



2024 HNS Large Implementation

in progress

Protecting Wood Turtle Habitat in the Pike River Watershed

Project Summary

The main aim of the project is to conserve wood turtle habitat in the Rivière aux Brochet, by measuring the current population size and comparing it with 2008 data to assess its status (stable, growing or shrinking), raising awareness among riparian landowners and municipal authorities of the need to conserve these habitats, and making recommendations for restoring and maintaining wood turtle nesting habitats over time.

Outputs:

- monitoring of nesting sites along Rivière aux Brochets
- nesting site report
- drafting of owner's notebooks and visits to targeted riparian property owners
- turtle inventory

Outcomes:

- recommendations for restoring and maintaining wood turtle nesting habitats over time

Organization: Organisme de bassin versant de la baie Missisquoi

Contact Person: Émile Veilleux

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Bedford. J0J 1A0

Phone: 450-248-0100

E-mail: projet@obvbm.org

Website: obvbm.org



NEIWPCC Code: L-2024-101
GLFC 0100-339-003
Start Date: 8/22/2024
Close Date:
Grant Amount: \$66,300.00
Non-federal Match: \$15,600.00
Total Amount: \$81,900.00

2025 HNSC Large

in progress

Removal of Jockey Hollow Dam from Stevens Branch

Project Summary

Friends of the Winooski River will implement the designed removal of the derelict Jockey Hollow dam, owned by the City of Barre, from the Stevens Branch of the Winooski River, to restore and enhance aquatic and terrestrial habitat as part of an initiative to remove all three barriers to passage from this priority trout stream, as well as lowering flood elevations in the disadvantaged community of Barre City, the only Community Disaster Resilience Zone in Vermont. The maximum potential aquatic organism passage, habitat restoration, flood resilience, and water quality benefits are achieved through removal of the series of dams.

The impoundment and associated sediment wedge extend approximately 325 ft upstream of the dam.

Outputs:

- procurement of excavation services
- removal of the dam and extant abutments, as well as associated industrial detritus such as pumps and pipes
- removal of approximately 1,618 cubic yards of impounded sediment upstream of the dam
- generation of construction progress reports;
- restoration of riparian and floodplain vegetation.

Outcomes:

- restore and naturalize a section of these important streams impacted by centuries of industrial and commercial development
- restore normal sediment transport, and result in cleaner water and higher quality habitat.
- increased recreational access to a safer and improved wild trout fishery
- opportunity to remove a significant amount of invasive plants, especially honeysuckle
- restore native woody vegetation to improve riparian and floodplain habitat.

Organization: Friends of the Winooski River

Contact Person: Michele W. Braun

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Barre, VT 052641

Phone: 802-476-0250

E-mail: michele@winooskiriver.org

Website:

NEIWPCC Code: LS-2025-060

EPA: 0373-003-001

Start Date: 05/29/2025

Close Date:

Grant Amount: \$174,444.00

Non-federal Match: \$130,000.00

Total Amount: \$324,444.00

2025 HNSC Large

in progress

Robust Riparian Restoration for the East Branch Ausable River

Project Summary

This project will establish native vegetation on recently restored sections of the East Branch Ausable River (EBAR) to improve bird, wildlife, and fish habitat, reduce upland erosion and sediment deposition, and increase floodwater storage through a two-part approach. AFC will revegetate banks at Project Areas (PA) 2 and 3 using wild-collected material from local native riparian species, bioengineering materials, and bareroot hardwood stems. To encourage the success of these plantings, a temporary irrigation system will be installed seasonally and both sites will be monitored and maintained throughout two growing seasons. At Project Area 3, an enhanced partial toewood installation will be constructed to improve structure and growth potential of the existing bank. A soil mixture will be incorporated into the installation to promote the establishment of native shrubs after implementation.

Outputs:

- 112,000 square feet (or 2.6 acres) of restored riparian habitat and 3,000 square feet of enhanced toewood installation with soil growth medium.
- planting plans and target species lists for both project areas
- seed and bioengineering material collection logs
- complete mobile irrigation system to be used at future AFC revegetation sites with photo documentation
- customized bid language for future contractors
- seeds, bioengineering material, and plantings
- watering logs
- planted species lists
- list of soil growth medium materials
- maintenance plans for both restoration sites
- report and photos on the number of volunteers involved

Outcomes:

- improved habitat for birds, wildlife, and fish, decreased upland soil erosion and sedimentation in the river, and increased flood resilience.

Organization: Ausable Freshwater Center
 Contact Person: Carrienne Pershyn
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 Wilmington, NY 12997
 Phone: 518-637-6859
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 Website: ausablecenter.org

NEIWPCC Code: LS-2025-056
 EPA: 0373-003-001
 Start Date: 04/17/2025
 Close Date:
 Grant Amount: \$175,000.00
 Non-federal Match: \$34,893.00
 Total Amount: \$209,893.00

2024 HNS Large Implementation

concluded

Stewarding Riparian Forests for Clean Water and Healthy Ecosystems

Project Summary

The Intervale Center will continue its work completing stewardship and enhancement on an additional 30+ acres of riparian forest buffers prioritized with our partners across the Lake Champlain Basin. The project will result in stewardship plans for each site, completion of work documented by photographs, and ongoing maintenance plans for sites after the 2024 season. This grant is a continuation of the impactful work funded by LCBP in past years, which has helped over 175 acres of new riparian forest flourish, mitigating the impacts of climate change, and protecting water quality and critical wildlife habitat throughout the Basin.

Outputs:

- 7-9 sites prioritized for riparian restoration planting with maps and stewardship plans developed
- social media plan and blog posts

Outcomes:

- reduction of nutrient loading to Lake Champlain
- improved bank stability and reduced erosion of critical areas in the watershed.
- enhancement of riparian and wetland habitat across the Lake Champlain Basin
- increased awareness of the value of riparian and wetland habitats through volunteer engagement and publicity of our work.
- continued development of stewardship best practices that can be shared with restoration practitioners across the state.

Organization: Intervale Center

Contact Person: Mandy Fischer

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E-mail: mandy@intervale.org

Website: intervale.org



Intervale Conservation Nursery crew member clearing invasives at a stewardship site.

NEIWPCC Code: LS-2024-053
EPA 0368-002-001

Start Date: 5/21/2024
Close Date: 5/1/2025

Grant Amount: \$43,270.00
Non-federal Match:
Total Amount: \$43,270.00



2025 Program Project

in progress

Champlain Canal Barrier Study - Phase 2

Project Summary

The Champlain Canal AIS barrier feasibility study is identified in Section 5146 of the Water Resources Development Act (WRDA). The legislation authorizes the U.S. Army Corps of Engineers (USACE) to evaluate alternatives for a barrier to prevent the movement of AIS between the Hudson River and the Lake Champlain Basin, and to design, construct, operate, and maintain the selected alternative.

USACE completed an initial Phase 1 Barrier Alternatives study under the Section 542 Lake Champlain Watershed Assistance Program with local match provided by LCBP/NEIWPCC using funds allocated from the Great Lakes Fishery Commission.

The Phase 2 engineering and design study is underway which directs USACE to conduct additional data collection and NEPA review, secure permits, and prepare a full design of the selected alternative. WRDA 2022 clarified that the Phase 1 Barrier Alternatives study and the active Phase 2 study conducted under WRDA 542 meets the intent of WRDA 5146. New York State Department of Environmental Conservation and LCBP/NEIWPCC have committed local non-federal match for the Phase 2 study utilizing funding from the NY State Environmental Protection Fund and the Great Lakes Fishery Commission.

Outputs:

- Phase 2: an executed agreement between USACE and a local sponsor to initiate Phase 2 of the Champlain Canal feasibility study
- completed alternatives report

Outcomes:

- options to reduce the risk of AIS transport through the Champlain Canal.

Organization: LCBP/NEIWPCC

Contact Person: Meg Modley

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Grand Isle, VT 05458

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Website: <https://www.lcbp.org>



NEIWPCC Code: N/A

GLFC

Start Date: 8/7/2025

Close Date:

50% of 35% cost share: \$589,750.00

Non-federal Match:

Total Amount: \$589,750.00

2022 Program Grant

in progress

Distribution and Ecological Impacts of Round Goby in the Lake Champlain Region (Year 1 Only)

Project Summary

The project is planned to be a multi-year intensive monitoring effort but this contract covers only the first year of this effort - it is anticipated that years 2-4 will be part of a subsequent contract. The purpose of this project is to extend ongoing surveillance efforts for Round Goby currently being conducted in the Eastern Erie Canal (see George et al. 2021 <https://doi.org/10.1002/tafs.10290> and <https://www.sciencebase.gov/catalog/item/59f88488e4b063d5d309et30> into the Champlain Canal. Monitoring will use environmental DNA (eDNA), benthic trawling, and nearshore electrofishing in order to provide a full suite of information on the distribution of Round Goby as well as relative abundance of other benthic fish species that may be affected by establishment of Round Goby. All data will be published as a USGS data release and summarized in a final report.

Outputs:

- extend ongoing surveillance of round goby into the Champlain Canal
- recon of proposed sampling sites
- a full suite of information on the distribution of Round Goby as well as relative abundance of other benthic fish species that may be affected by establishment of Round Goby.

Outcomes:

- AIS spread prevention

Organization: USGS New York Water Science Center

Contact Person: Scott George

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Troy, NY 12180

Phone: 518-285-5639

E-mail: sgeorge@usgs.gov

Website: <https://www.usgs.gov/centers/ny-water>



Round Goby captured from the Eastern Erie Canal using benthic trawling



NEIWPCC Code: L-2022-011
GLFC 0100-328-003
Start Date: 3/8/2022
Close Date:
Grant Amount: \$43,701.00
Non-federal Match:
Total Amount: \$43,701.00

2022 Program Grant

in progress

Lake Champlain Aquatic Nonindigenous Species Information System Creation

Project Summary

The creation of the Lake Champlain Aquatic Nonindigenous Species Information System requires a two-year graduate level student commitment to conduct literature reviews, herbarium and collections research and species first detection verification to populate and map data for the Lake Champlain watershed. The Lake Champlain Basin Program will help to support the graduate student while they are engaged in studies at the University of Vermont.

Outputs:

- informational fact sheets describing the history and timing of arrival of ANS to Lake Champlain and a populated Lake Champlain Aquatic Nonindigenous Species Information System database.

Outcomes:

- increased awareness of LCBP, Lake Champlain Sea Grant (LCSG), partners and members of the public about the aquatic nuisance species present in Lake Champlain and modes and timing of their arrival to Lake Champlain
- increased ability of LCBP, LCSG and partners to develop outreach and messaging related to ANS to help prevent further spread and to build public awareness of the threats and impacts of these species to the lake ecosystem.

Organization:

UVM

Contact Person:

Kris Stepenuck

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kstepenu@uvm.edu

Website: <https://www.uvm.edu/seagrant/home>

NEIWPCC Code:	LS-2022-081
EPA	0357-003-001
Start Date:	9/29/2022
Close Date:	
Grant Amount:	\$55,405.00
Non-federal Match:	
Total Amount:	\$55,405.00

2022 Program Grant

concluded

Missisquoi Boat Launch Stewards 2023

Project Summary

Organisme de bassin versant de la baie Missisquoi (OBVBM) will support the addition of two boat launch stewards to the Lake Champlain boat launch steward program who will work in the Missisquoi Bay Quebec portion of Lake Champlain and its watershed to provide education and outreach concerning aquatic invasive species (AIS) and to survey and intercept AIS through courtesy boat inspections. OBVBM will hire two stewards to work from late May to early September and the stewards will be trained and outfitted with equipment and uniforms by the Lake Champlain Basin Program. The data collected by the OBVBM stewards will augment the existing Lake Champlain boat launch steward program by expanding coverage to Quebec for a sixth consecutive year.

Outputs:

- two stewards stationed at public boat launches around Missisquoi Bay in Quebec
- data collection
- 1123 watercrafts were processed, 51 of which captured AIS including a total number of 47 Eurasian watermilfoil (23 launching, 24 retrieving), 6 Curly Leaf Pondweed (2 launching, 4 retrieving) and 1 Variable-leaf Milfoil (1 retrieving). The total number of people reached at this boat launch was 2899.
- A kiosk was installed for special event at Pointe Jameson Parc in Venise-en-Québec. One of the stewards gave information on AIS and their spread prevention to more than 100 visitors. Also, a leaflet containing info on Missisquoi Bay AIS and their spread prevention was designed, printed and sent by mail and distributed to local campings and visitor centres reaching over 4000 residents and visitors around the Bay.

Outcomes:

- control the introduction, spread, and impact of nonnative nuisance species in order to preserve the biological/ecological integrity of the Lake Champlain ecosystem

Organization: Organisme de bassin versant de la baie Missisquoi

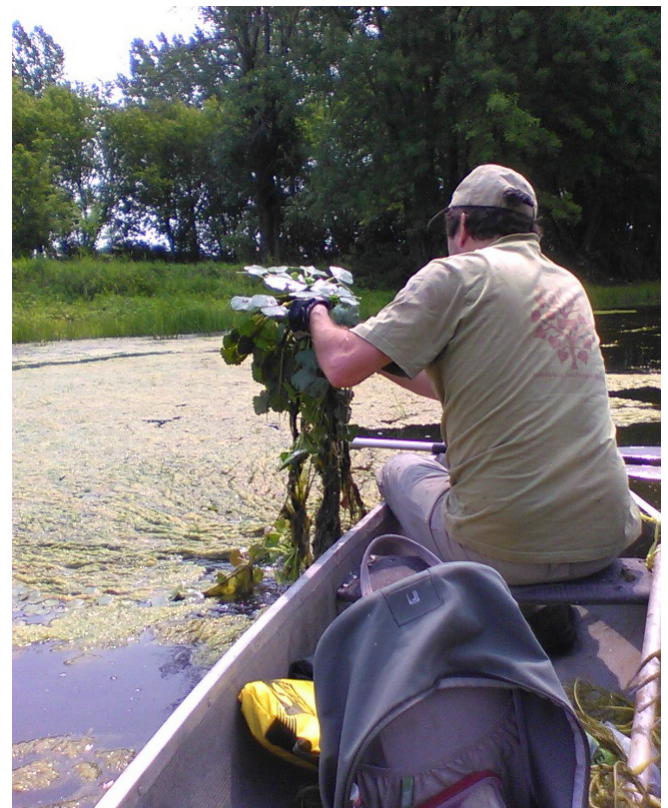
Contact Person: François Boilard

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Phone: 450-248-0100

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NEIWPCC Code: L-2023-088
GLFC 0100-334-003
Start Date: 9/27/2023
Close Date: 1/16/2025
Grant Amount: \$40,157.00
Non-federal Match: \$ 3,070.00
Total Amount: \$43,227.00

2025 Research Grant

in progress

Aquatic Organism Passage Barrier Mapping and Connectivity Assessments using LiDAR Flow Networks

Project Summary

Quantifying habitat and hydrologic connectivity by unifying culvert, dam, and waterfall datasets with LiDAR-based flow networks to identify unmapped aquatic organism barriers to better inform multi-objective project selection. The goal is to provide a unified dataset of the majority of Aquatic Organism Passage (AOP) barriers in the Lake Champlain Basin, develop the most accurate segmented flowline network from these barriers that represent the current habitat fragmentation conditions and provide a replicable framework for barrier identification and classification that can be adapted to other geographies. Current AOP barrier inventories can significantly underestimate the number of obstructions (Buchanan, 2022). This project will train several machine learning algorithms with existing dams, culvert, and waterfall datasets to detect the signature of these structures from the high-resolution LiDAR data products (elevation derivatives, curvature, flow accumulation).

Outputs:

- summary of literature review and a comprehensive geodatabase for each HUC-8
- report detailing the comparative performance of multiple algorithms
- comprehensive, basin-wide draft dataset containing both newly detected and previously known structures, accompanied by validation statistics demonstrating detection accuracy within each HUC-8.
- 271-point field-verified dataset of dams, culverts, and waterfalls that will be updated to the NAACC database, and a memo detailing the results of field verification and any necessary model refinements resulting from the analysis of the field data
- report on the inputs, methods, and performance statistics for the Barrier Severity Index (BSI)
- summary report detailing methods and results of the machine learning modeling process and the Barrier Severity Index creation

Organization: Stone Environmental, Inc.
Contact Person: Jody Stryker

Mailing Address: 535 Stone Cutters Way
Montpelier, VT 05602
Phone: 802-229-4541
E-mail: jstryker@stone-env.com
Website: <https://www.stone-env.com>

Outcomes:

- aquatic ecosystem management and flood resilience planning across the Lake Champlain Basin.
- enhance our understanding of how culverts, dams, and natural waterfalls fragment aquatic habitats and disrupt natural water flow.
- enable more strategic and effective restoration efforts, leading to tangible improvements in habitat connectivity for fish and other aquatic organisms. Beyond ecological benefits, the project will
- bolster flood resilience by providing accurate data on hydrologic connectivity enhancing both environmental stability and public safety.
- direct resources toward high-impact restoration efforts in disadvantaged areas and support more equitable access to funding for critical infrastructure improvements, aiding communities in flood-prone and ecologically significant areas.
- more resilient, connected, and sustainable human and natural communities.

NEIWPCC Code: L-2026-022
EPA: 0374-002-001
Start Date:
Close Date:
Grant Amount: \$288,412.00
Non-federal Match:
Total Amount: \$288,412.00

2024 Research Grant

in progress

Assessment of Watermilfoils (*Myriophyllum* spp.) in the Lake Champlain Basin: Population Genetics and Influence on Native Plant Communities

Project Summary

This project will survey waterbodies with known populations of watermilfoil within the LCB, in addition to Lake Champlain proper and Lake George. For population genetic and phenotype assessment we will collect ~30 samples of native and non-native watermilfoil from each waterbody. Further, we will perform native species diversity assessments using a pre-determined number (based on simulations) of randomized rake tosses. This will facilitate our understanding of the genetic structure of nominal watermilfoil species, which species are or are not hybridizing and where, how prevalent invasive hybrids are, and how genetic ancestry of watermilfoils has influenced native aquatic plant diversity. These results can be used to develop targeted management of invasive and hybrid watermilfoil throughout the basin and identify conservation strategies for priority native watermilfoil and other native aquatic plant species. Further, we will provide maps and locations of each nominal taxa and any hybrids, a robust phenotype dataset and guide to assist with field identification, and lists and maps of native species present in each of the studied waterbodies. Likewise, presentations at local, regional, and national public and technical conferences will increase public information and involvement.

Outputs:

- list and map of all waterbodies and sites
- tissue samples and phenotype data; pilot data for simulation used to determine year-2 sampling intensity
- phenotype data on all collected individuals
- raw DNA; sequences which will be made publicly available
- presence absence data, occupancy and detection probabilities; preliminary estimates of species richness

Outcomes:

- targeted management of invasive and hybrid watermilfoil throughout the basin and identify conservation strategies for priority native watermilfoil and other native aquatic plant species.

Organization: SUNY Oneonta

Contact Person: Alex Sotola and Dan Stich

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Website: <https://suny.oneonta.edu/biology>

NEIWPCC Code: LS-2024-016
EPA 0368-003-001
Start Date: 6/1/2024
Close Date:
Grant Amount: \$239,894.00
Non-federal Match:
Total Amount: \$239,894.00



2025 Research Grant

in progress

Distribution of Species of Greatest Conservation Need in Lake Champlain Tributaries

Project Summary

This project will analyze environmental DNA samples to assess the distribution and habitat preferences of multiple Species of Greatest Conservation Need (SGCN) throughout Lake Champlain tributaries. New York and Vermont both have extensive freshwater ecosystems that support a broad diversity of fish species, but many of these species have been identified as species of concern due to threats from habitat degradation, invasive species, and climate change. Of the 93 fish species in present in the Lake Champlain Basin, 35 are identified as species of greatest conservation need (SGCN). To aid in the recovery of these species, it is imperative to understand the habitats that they rely on and their distributions.

Outputs:

- dataset with eDNA presence/absence data and habitat covariates at each sample site.
- description of the preferred habitat characteristics for each SGCN species based on occupancy model results.
- a current distribution map for each SGCN species.
- two publication quality dissertation chapters

Outcomes:

- results will provide managers with information required for the SWAP to help aid in species conservation.
- identifying the habitats used by these SGCN, they can be targeted for conservation and restoration to improve recovery of these SGCN species.
- inform how the availability of these habitats may change as our climate changes.

Organization: University of Vermont and State Agricultural College
Contact Person: Mark Henderson
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Burlington, VT 05405
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Website:

NEIWPCC Code:	N/A
GLFC: DIRECT	
Start Date: Close	
Date: Grant	9/1/2025
Amount: Non-	\$399,795.00
federal Match:	
Total Amount:	\$399,795.00

2023 Research Grant

in progress

Evaluating Functional Uplift and Microhabitat Effects of Stream Restoration Projects

Project Description

This project will deploy geomorphic assessment, biological indices of stream macroinvertebrates, and observations of fish communities to evaluate functional uplift and microhabitat effects of stream restoration projects in the Ausable River Watershed. Outputs include a before-after analysis of changes to physical and hydrologic habitat after implementation of river restoration projects, evaluation of effectiveness of streambank restoration by documenting functional lift to biological systems and habitats (Opportunities for Action (OFA) II.B.2.a, II.C.1.a), assessment of water quality changes within restored reaches (OFA I.A.2.c), at least one presentation of data at a conference or symposium (OFA IV.B.1.d), and submission of manuscript to a peer-reviewed journal. Projected outcomes of this work include documentation of the effectiveness of streambank restoration and in-stream habitat structures on quality of habitat for macroinvertebrates and fish in the Ausable River watershed (OFA II.B.2.a), increased capacity to conserve critical habitat areas (OFA II.D.1.a), and enhancement of river corridors for nutrient reduction and flood resilience (OFA I.C.1.b).

Outputs:

- two stewards stationed at public boat launches around Missisquoi Bay in Quebec
- data collection

Outcomes:

- control the introduction, spread, and impact of nonnative nuisance species in order to preserve the biological/ecological integrity of the Lake Champlain ecosystem

Organization: Ausable River Association

Contact Person: Carrienne Pershyn

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Wilmington, NY 12997

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Website: www.ausableriver.org



Stream Restoration Manager, Gary Henry, measuring a temporary benchmark as part of a geomorphic survey of a tributary to the West Branch Ausable River



NEIWPCC Code: LS-2023-009

EPA 0364-003-001

Start Date: 4/4/2023

Close Date:

Grant Amount: \$223,500.00

Non-federal Match: \$ 25,000.00

Total Amount: \$248,500.00

2023 Research Grant

in progress

Evaluating Habitat Function in Floodplain Natural Communities of the Lake Champlain Basin to Support Conservation and Restoration Prioritization

Project Description

This project will associate terrestrial metrics (floodplain position, soil type, etc.) with floodplain natural communities, providing context to hydrogeospatial datasets, and informing the prioritization of riverbank and floodplain habitat restoration and conservation critical to maintaining biodiversity and the movement of organisms. Outputs include a hydrogeomorphically based floodplain features map with associated reference natural community distribution for the study watershed as well as field validated multi-species occupancy models to inform natural community functional assessment across the gradients of natural community quality, time since restoration, upland connectivity, and lateral connectivity with the river. The outcomes associated with the project include natural community distribution based on floodplain geomorphic features in the study area and occupancy maps and models for the observed species to inform floodplain lateral connectivity metrics.

Outputs:

- hydrogeomorphically based floodplain features map with associated reference natural community distribution for the study watershed
- field validated multi-species occupancy models to inform natural community functional assessment across the gradients of natural community quality, time since restoration, upland connectivity, and lateral connectivity with the river.

Outcomes:

- Prioritization of specific floodplain restoration and conservation projects to enhance habitats at the watershed scale.

Organization: University of Vermont

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Website: www.uvm.edu/cems/cee



Silver Maple Ostrich Fern Floodplain Forest natural community example located in the Winooski River Watershed of the Lake Champlain Basin.



NEIWPCC Code: LS-2023-005
EPA 0364-003-001
Start Date: 4/4/2023
Close Date:
Grant Amount: \$227,844.00
Non-federal Match: \$ 2,000.00
Total Amount: \$229,844.00

2024 Research Grant

in progress

Long Term Freshwater Mussel Population Assessment in the Poultney and Lower Missisquoi Rivers

Project Summary

This project will quantitatively assess long-term freshwater mussel population trends in the lower Missisquoi and Poultney Rivers by re-sampling long-term monitoring sites from both rivers and will characterize how freshwater mussel populations have changed over the past 25 years. The project will also assess medium-term (11 years) population trends at 2 sites in the lower Winooski River and will establish two long-term freshwater mussel population assessment sites in the lower Lamoille River, which has a relative lack of data on freshwater mussels. Qualitative surveys for the rare black sandshell mussels will also be performed.

Outputs:

- data on the status of mussel populations in these rivers as well as status of black sandshell.

Outcomes:

- water quality and mussel restoration efforts guidance
- baseline data for future studies

Organization: Arrowwood Environmental

Contact Person: Michael Lew-Smith

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Huntington, Vermont 05462

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E-mail: michael@arrowwoodvt.com

Website: arrowwoodvt.com



Quantitative mussel sampling in the upper Missisquoi.

NEIWPCC Code: LS-2024-050

EPA 0368-003-001

Start Date: 6/27/2024

Close Date:

Grant Amount: \$50,000.00

Non-federal Match: \$12,380.00

Total Amount: \$62,380.00



2024 Research Grant

in progress

Not Just a Needle in a Haystack: Using Models to Understand the Potential Impact of a Round Goby Invasion on the Lake Champlain Ecosystem

Project Summary

The Round Goby has not yet been detected in Lake Champlain, but they are present in nearby waterways and may invade Lake Champlain soon. Developing a better understanding of the impacts that a Round Goby invasion could have on the Lake Champlain ecosystem is essential to provide managers with the information necessary to prepare for any potential deleterious effects. We propose to develop both a predictive species distribution model (SDM) and a food web model to understand the potential impacts of a Round Goby invasion on the Lake Champlain ecosystem. This project will produce maps showing the areas most likely to be occupied by Round Goby if they do invade Lake Champlain and will estimate the changes in the biomass of major fish functional groups with Lake Champlain because of both a Round Goby invasion and climate change. Our food web model will build upon one that was already developed for Lake Champlain to investigate the effect of another invasive species (alewife) on the biomass of multiple species (Figure 1). Results from our Round Goby study will be valuable to natural resource managers so they can sufficiently prepare for any deleterious effects that might arise due to the combination of this potential aquatic invasive species and climate change.

Outputs:

- development of predictive species distribution model (SDM) and a food web model
- maps showing the areas most likely to be occupied by Round Goby

Outcomes:

- better understanding of the impacts that a Round Goby invasion could have on the Lake Champlain ecosystem

Organization: UVM and State Agricultural College

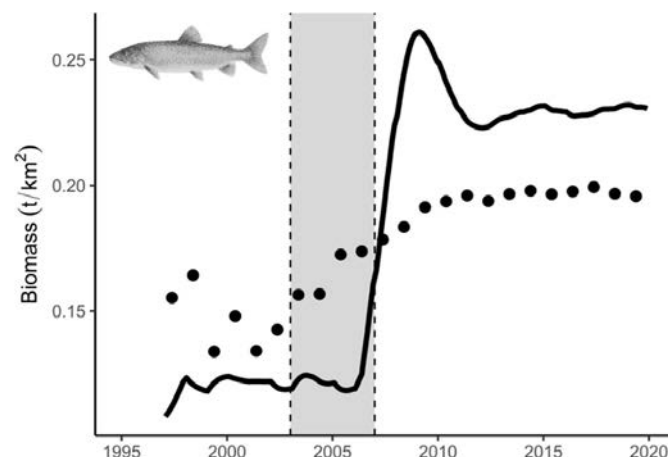
Contact Person: Mark Henderson

Mailing Address: 81 Carrigan Drive

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E-mail: mark.henderson@uvm.edu

Website:



Quantitative mussel sampling in the upper Missisquoi. Food web model estimates of adult (age 2+) lake trout biomass (t/km²) in Lake Champlain (solid line) compared with population model biomass estimates (filled circles) from 1995-2020. The shaded grey area represents the period over which alewife entered the system (From Lesser et al. in review).



NEIWPCC Code: LS-2024-004
EPA 0368-003-001
Start Date: 7/12/2024
Close Date:
Grant Amount: \$255,223.00
Non-federal Match:
Total Amount: \$255,223.00

2025 Research Grant

in progress

Wetlands Post-Dam Removal: Condition and Function

Project Summary

Stone will collect data on wetland condition at post-dam removal and reference sites and compare it with past data to evaluate wetland function changes post-dam removal and to document long-term wetland response to dam removal. The project team will visit six dam removal sites with associated wetlands and six paired reference sites to assess change in wetland condition post-dam removal. We will employ methods used by the VTDEC Wetlands Program including delineation, wetland type classification, the Vermont Rapid Assessment Method for Wetlands, and the Coefficient of Conservatism and Wetness Index for plant communities. Informed by a literature review, these wetland condition characteristics will be used to evaluate wetland ecosystem functions including transient nutrient storage, flood attenuation, etc.

Outputs:

- report summarizing the function and condition of post-dam wetlands compared with naturally occurring wetlands.

Outcomes:

- effects of current dam removal strategies on associated wetland function and condition to inform future dam removal design and wetland management quantified.
- Incorporation of data into wetlands review of future dam removal projects, baseline reference data on dam removal sites.
- Research will inform continued research regarding ecological function of wetlands post-dam removal.
- knowledge gap in long-term effects of dam removals on wetland condition and function addressed

Organization: Stone Environmental, Inc.
Contact Person: Savannah Bailey

Mailing Address: 535 Stone Cutters Way
Montpelier, VT 05602
Phone: 802-229-4541
E-mail: sbailey@stone-env.com
Website: <https://www.stone-env.com>

NEIWPCC Code: LS-2025-138
EPA: 0374-002-001
Start Date: 12/11/2025
Close Date:
Grant Amount: \$69,792.00
Non-federal Match:
Total Amount: \$69,792.00

Franklin County Riparian Buffer Stewardship and Enhancement

Project Summary

This project aims to support and enhance the ecosystem health and water quality benefits of 18.1 acres of previously planted riparian woody buffers on 11 FCNRCD project sites throughout Franklin County. By allowing for stewardship of the sites following initial plantings, the objective of this project is to reduce the mortality rate of trees and shrubs in order to achieve desired improvements to ecosystem health and water quality. The outputs of this project are annual reports detailing stewardship efforts, as well as improved survival of woody buffers across 18.1 acres of waterways in the Missisquoi, North Lake Direct, and Lamoille watersheds.

Outputs:

- stewardship of 18.1 acres of riparian woody buffers on 11 project sites in Franklin County
- planning & implementation of enhancement plantings

Outcomes:

- support and enhancement of riparian woody buffer projects to serve their intended purposes of nutrient load reduction, floodplain restoration, streambank stabilization, and habitat and native species conservation

Organization: Franklin County Natural Resources Conservation District (FCNRCD)

Contact Person: Lauren Weston

Mailing Address: 50 South Main Street, Suite B-20
St. Albans, VT 05478

Phone: (802) 528-4176

E-mail: lauren.weston@usda.gov

Website: <https://www.franklincountynrcd.org/>



Photo of a tree planting site on a bright, cloudy day.



NEIWPCC Code:	LS-2023-036
EPA	0364-003-001
Start Date:	7/13/2023
Close Date:	
Grant Amount:	\$49,974.00
Non-federal Match:	\$ 844.20
Total Amount:	\$50,818.20

2023 Small Implementation Grant

concluded

Native Riparian Species Conservation and Monitoring in a Lake Champlain Sub-basin

Project Summary

The Orianne Society (TOS) and Lewis Creek Association (LCA) will assess the status and distribution of a riparian species of greatest conservation need within the Lewis Creek basin, identify site-specific threats, and prioritize restoration projects for the species. To do this, the Orianne Society will conduct at least 60 wildlife surveys, present written habitat restoration proposals to at least 6 landowners, and assist at least one landowner applying for enrollment in conservation programs. Outputs will be a prioritized list of habitat restoration projects in the Lewis Creek basin, the identification of shovel-ready projects in need of funding, baseline data on species abundance and distribution, and at least one landowner applying for enrollment in a conservation program to restore riparian and wetland habitats.

Outputs:

- prioritized list of habitat restoration projects in the Lewis Creek basin
- identification of shovel-ready projects in need of funding
- baseline data on species abundance and distribution
- one landowner applying for enrollment in a conservation program

Outcomes:

- restoration of riparian and wetland habitats.

Organization: Orianne Society

Contact Person: Kiley Briggs

Mailing Address: PO Box 111
Woodbury VT, 05681

Phone: (802) 363-2494

E-mail: kbriggs@oriantnesociety.org

Website: www.orianne.org

NEIWPCC Code: LS-2023-062
EPA 0364-003-001

Start Date: 7/18/2023

Close Date: 3/25/2025

Grant Amount: \$32,860.00

Non-federal Match:

Total Amount: \$32,860.00



2024 HNS Small Implementation

concluded

Riparian Habitat Restoration in Lake Selby

Project Summary

The Selby Lake Common Reed Control Project aims to reduce the pressure of this invasive species on aquatic and riparian habitats in Selby Lake. Four common reed colonies in northern Selby Lake have been prioritized for this project considering the high density of the colony and the potential for spread to other areas of the lake. The project consists in the removal of the reeds and the covering of the concerned areas with geotextile. The objective is to remove the common reed of the area in order to protect the lake's ecosystem. Along with protecting the lake, another output will be direct sensibilization to the lake residents.

Outputs:

- removal of 4 common reed colonies
- installation of regrowth control equipment
- mobilize Lake Selby citizens about invasive species.

Outcomes:

- reduce common reed colonies
- limit and reduce the extent of colonies
- improvement of riparian habitats and biodiversity in the northern sector of Lake Selby
- improvement of aquatic habitats in the northern sector of Lake Selby
- citizens better informed of the stages of control of invasive alien species and the common reed
- municipalities in the Missisquoi Bay watershed engaged in invasive alien species control projects in other parts of the watershed.

Organization: Organisme de bassin versant de la baie Missisquoi

Contact Person: Johanne Bérubé

Mailing Address: 110 rue rivière
Bedford, QC

Phone: 450-955-1821

E-mail: Johanne.berube@obvbm.org

Website: obvbm.org



Stand of common reed on Lake Selby.



NEIWPCC Code: L-2024-079
GLFC 0100-331-003
Start Date: 4/23/2024
Close Date: 1/6/2025
Grant Amount: \$24,960.00
Non-federal Match: \$22,946.00
Total Amount: \$47,906.00

2024 HNS Small Implementation

in progress

Riparian Plantings and Early Successional Habitat Improvements

Project Summary

Vermont River Conservancy's conservation team has identified multiple conserved lands where easements promote passive restoration over time, but past land management has resulted in denuded riverbanks and vegetative competition, animal browse, and invasive species have made it challenging for young trees and shrubs to regenerate naturally. VRC seeks support to implement riparian plantings and early successional habitat management in key locations in order to accelerate regeneration and promote healthy ecosystems and native species by kick-starting long-term restoration of these critical conservation lands.

Outputs:

- 600 trees and shrubs are planted at 4 sites across the Champlain Basin
- early successional shrubland habitat and invasive species management of 7 acres of riparian floodplain at the Whiteside Easement
- sites are visited annually for 3-years to support initial establishment
- 20 volunteers are engaged in planting or long-term monitoring and stewardship of these conservation areas

Outcomes:

- implement riparian plantings in order to shade and cool waters
- establish root systems to mitigate erosion
- implement early successional habitat and invasive plant management to provide improved habitat for migratory songbirds, fisheries, macroinvertebrates, and other wildlife that rely on forest cover along waterways.

Organization: Vermont River Conservancy

Contact Person: Remy Crettol

Mailing Address: 29 Main Street, Suite 11
Montpelier, VT 05602

Phone: 802-229-0820

E-mail: remy@vermontriverconservancy.org

Website: vermontriverconservancy.org



Volunteers plant trees to restore habitat and river function at Arthur Buck Access Area in Moretown, VT.

NEIWPCC Code: LS-2024-065
EPA 0368-003-001

Start Date: 9/18/2024

Close Date:

Grant Amount: \$25,489.00

Non-federal Match: \$ 1,714.00

Total Amount: \$27,203.00



2025 HNSC Small

in progress

Riparian Buffer Stewardship and Enhancement in Franklin County

Project Summary

FCNRCD will steward and enhance previously planted sites along waterways in Franklin County to support ecosystem health and water quality benefits of riparian woody buffers.

This project aims to support and enhance the ecosystem health and water quality benefits of 30+ acres of previously planted riparian woody buffers on 16+ FCNRCD project sites throughout Franklin County. By allowing for stewardship of the sites following initial plantings, the objective of this project is to reduce the mortality rate of trees and shrubs in order to achieve desired improvements to ecosystem health and water quality. The outputs of this project are annual reports detailing stewardship efforts, as well as improved survival of woody buffers across 30+ acres of waterways in the Missisquoi, North Lake Direct, and Lamoille watersheds.

Outputs:

- annual reports detailing stewardship efforts with dates, activities of stewardships, photos, and relevant notes
- report summarizing dates, locations, and number of plants installed at enhancement plantings
- improved survival of woody buffers across 30+ acres of waterways in the Missisquoi, North Lake Direct, and Lamoille watersheds

Outcomes:

- Improved native wildlife habitat and connectivity corridors
- Reduced phosphorus, other nutrients, and sediment loading to Lake Champlain
- Well-maintained relationships with project landowners
- Improvements to flood and climate resilience
- Engaged community members related to riparian buffer implementation and stewardship

Organization: Franklin County Natural Resources Conservation District
 Contact Person: Lauren Weston
 Mailing Address: 50 South Main Street
 St Albans, VT 05478
 Phone: 802-582-3133
 E-mail: lauren@franklincountynrcd.org
 Website: <https://franklincountynrcd.org/>

NEIWPCC Code: LS-2025-019
 EPA: 0373-003-001
 Start Date: 03/06/2025
 Close Date:
 Grant Amount: \$49,825.00
 Non-federal Match:
 Total Amount: \$49,825.00

2025 HNSC Small

in progress

Stewarding Riparian Forests for Clean Water and Healthy Ecosystems

Project Summary

The Intervale Center will complete stewardship and enhancement on 30+ acres of riparian forest buffer across the Lake Champlain Basin, helping ensure successful tree and shrub establishment while continuing to refine stewardship protocols that can be shared with restoration practitioners across the state. Funding will result in stewardship plans for each site, completion of work documented by photographs, and ongoing maintenance plans for sites after the 2025 season. This grant is a continuation of the impactful work funded by LCBP in past years, which has helped over 200 acres of new riparian forest flourish, mitigating the impacts of climate change, building flood resilience, and protecting water quality and critical terrestrial and aquatic wildlife habitat throughout the Basin.

Outputs:

- List and maps of project sites
- Photographs of work performed on 7-9 sites and 30+ acres
- Plans for ongoing work
- Copy of blog, blurb, and press release and link to any news media
- Quarterly and final reports

Outcomes:

- Reduction of nutrient loading to Lake Champlain.
- Improved bank stability and reduced erosion of critical areas in the watershed.
- Enhancement of riparian and wetland habitat and increased support for native species across the Lake Champlain Basin.
- Provision of technical assistance to landowners and partners.
- Increased awareness of the value of riparian and wetland habitats through publicity of our work.
- Continued development of stewardship best practices that can be shared with restoration practitioners across the state.

Organization: Intervale Center
 Contact Person: Mandy Fischer
 Mailing Address: 180 Intervale Road
 Burlington, VT 05401
 Phone: 802-660-0440
 E-mail: mandy@intervale.org
 Website:

NEIWPCC Code: LS-2025-015
 EPA: 0373-003-001
 Start Date: 03/10/2025
 Close Date:
 Grant Amount: \$49,991.00
 Non-federal Match:
 Total Amount: \$49,991.00

2023 Small Implementation Grant

concluded

Stewarding Riparian Forests for Clean Water and Healthy Ecosystems

Project Summary

The Intervale Center will continue our work completing stewardship and enhancement on an additional 30+ acres of riparian forest buffers prioritized with our partners across the Lake Champlain Basin. Funding will result in stewardship plans for each site, completion of work documented by photographs, and ongoing maintenance plans for sites after the 2023 season. This project is a continuation of the impactful work funded by LCBP in past years, which has helped over 150 acres of new riparian forest flourish, protecting water quality and critical wildlife habitat throughout the Basin.

Outputs:

- identify, steward, and enhance an anticipated 30+ acres
- technical assistance to landowners and partners.

Outcomes:

- reduction of nutrient loading to Lake Champlain.
- enhancement of riparian and wetland habitat across the Lake Champlain Basin.
- increased awareness of the value of riparian and wetland habitats through volunteer engagement and publicity
- continued development of stewardship best practices that can be shared with restoration practitioners across the state.

Organization: Intervale Center

Contact Person: Mandy Fischer

Mailing Address: 180 Intervale Road
Burlington, VT 05401

Phone: 802-660-0440 x 108; 802-863-5399

E-mail: mandy@intervale.org

Website: www.intervale.org



Mary and Madison removing honeysuckles from a nannyberry thicket at Allen Brook, 2022.



NEIWPCC Code: LS-2023-059
EPA 0364-003-001

Start Date: 7/25/2023
Close Date: 2/7/2025

Grant Amount: \$36,286.00
Non-federal Match:
Total Amount: \$36,286.00

2025 HNSC Small

in progress

West Brook Riparian Buffer Restoration Project

Project Summary

West Brook is a primary tributary to Lake George and is surrounded by heavy use areas in the heart of the Village of Lake George. Soil compaction from vehicles and foot traffic are increasing stormwater runoff and degrading water quality in this important tributary. This project aims to remedy the issue by planting native shrubs, reducing and treating stormwater runoff, and creating designated use areas along the stream to reduce overall shoreline impacts from heavy use on West Brook.

Outputs:

- three public access points one of which will be wheelchair accessible
- appropriate bank stabilization to withstand concentrated foot traffic and stormwater impacts.
- arborist will be hired to assess and remove potentially hazardous trees that pose a danger to the public.
- a mix of seasonal planters, rocks, timber or split rail fencing, and strategic planting of tree stock barriers placed to deter driving and parking in the riparian area
- Topsoil spread in areas that compaction or slope makes the area unable to be planted in the current state.
- Shrubs and trees planted along the project site

Outcomes:

- reduced untreated stormwater runoff into West Brook, cooling the water and reducing sedimentation within the brook. Native plantings, stone and fencing will eliminate driving and parking in the current riparian area
- reducing soil compaction and providing habitat to species that use these buffers. Species of differing mature sizes will provide vertical structure for songbirds and beneficial insects in the area.
- public will have three access points (one wheelchair accessible, with seating, along the brook to enjoy area.

Organization: Warren County Soil and Water Conservation District
 Contact Person: Jacob Dunkley
 Mailing Address: 394 Schroon River Road
 Warrensburg, NY 12885
 Phone: 518-623-3119
 E-mail: jaked@warrenswcd.org
 Website: warrenswcd.org

NEIWPCC Code: LS-2025-069
 EPA: 0373-003-001
 Start Date: 05/29/2025
 Close Date:
 Grant Amount: \$32,200.00
 Non-federal Match: \$15,880.00
 Total Amount: **\$48,080.00**



BY THE NUMBERS

- 203,288** content views on Instagram and Facebook
- 56,511** individuals greeted by boat launch stewards
- 33,852** visitors to the LCBP Resource Room at ECHO Leahy Center
- 5,448** people reached at fairs, farmer's markets, and other community events
- 62** properties assessed through Stream Wise program for healthy riparian areas.
- 38** Education and Outreach implementation grants awarded totaling **\$949,000**

Program Highlights

- Facilitated *Watershed for Every Classroom*, a professional development program for 16 K-12 educators in the Lake Champlain Basin.
- Hosted the annual World Water Day celebration at Champlain Centre Mall in Plattsburgh, NY, with 33 partner organizations who reached over 3,500 mall visitors and direct LCBP engagement with over 300 visitors.
- Ran a four-page *State of the Lake Report* summary ad in 14 newspapers with a circulation of 122,000 households.
- Released two new *Meet the Scientist* videos featuring water quality and ecosystem health work conducted by researchers and managers in the Basin.
- Published seven editions of the *Casin' the Basin* e-newsletters, including monthly summer publication.
- Hosted 17 aquatic invasive species identification workshops at libraries in the New York portion of the Basin.

Grant Highlights

What the River Said: Reconciliation After the Floods of 2023

The Lamoille County Conservation District brought flood resilience education to seven classrooms throughout Lamoille County in Vermont, utilizing hands-on flood demonstration models and art activities to conceptualize a more resilient future.

Involving Municipalities and Communities to Protect the Spiny Softshell Turtle

Granby Zoo raised awareness among municipal leaders and community members about the issues facing spiny softshell turtle through a festival, production of a children's book, and installation of a traveling aquarium in town halls.

Watershed Literacy and River Education in the Upper Winooski Watershed

North Branch Nature Center is facilitating public programs to educate community members about watershed health, riparian restoration, and flood resilience in the upper Winooski River watershed

Waterways Stage Collaboration

During the 2024-2025 school year Very Merry Theatre's Waterways Stage program engaged 1,081 students in local watershed science. The 24 enrolled school groups created 15 original plays exploring environmental themes.

Stream Wise 2025

Stream Wise is a voluntary site assessment program that helps landowners with streamside property better understand and manage their land for water quality. In 2025, 62 assessments were completed with 33 properties earning the Stream Wise Award.

*Top left: Students viewing a flood resilience demonstration model.
Bottom left: Students taking a bow at the end of a Very Merry Theater performance.*



LCCD

Very Merry Theater

2024 Large Implementation Grant

concluded

Adirondack Loons - An Educational Ambassador for Environmental Conservation

Project Summary

In this 1-year project (Oct., 2023-Oct., 2024), the Adirondack Center for Loon Conservation will design and create an immersive permanent educational exhibit for our Adirondack Loon Center in Saranac Lake, NY. Because of their highly captivating nature, loons are an excellent educational ambassador to inform the public and inspire environmental stewardship. This exhibit will depict loon courtship and nesting behavior; and will interpret threats affecting nesting success, such as predation, human disturbance, and flooding due to water level rise, often due to torrential rain events related to climate change. Visitors will learn about the collective efforts to mitigate such threats as climate change, fishing line entanglement, human disturbance, and more, to inspire viewers to take an active role in conservation in their own communities to reduce their personal environmental impact. In parallel to the design and creation of this exhibit our Stewardship and Outreach Director will deliver 10-15 presentations and school field trips throughout New York's HUC-8 sub-watershed communities.

Outputs:

- immersive permanent educational exhibit
- 10-15 presentations and school field trips throughout New York's HUC-8 sub-watershed communities.

Outcomes:

- inform the public and inspire environmental stewardship

Organization: Adirondack Center for Loon Conservation

Contact Person: Dr. Nina Schoch

Mailing Address: PO Box 195
Ray Brook, New York 12977

Phone: 518-354-8636

E-mail: info@adkloon.org

Website: www.adkloon.org



A banded Adirondack loon turns its eggs on its nest.



NEIWPCC Code: LS-2023-094
EPA 0368-004-001

Start Date: 12/18/2023

Close Date: 8/19/2025

Grant Amount: \$49,951.00

Non-federal Match: \$70,564.00

Total Amount: \$120,515.00

FY2024 Large Education and Outreach RFP

in progress

Building the Ausable Stewardship Preserve

Project Summary

To advance freshwater stewardship, we will pursue initial development of our 9-acre Ausable Preserve creating accessible outdoor trails, interpretive signage, and learning areas for students and the public.

The Ausable River Association is building a stewardship and outreach pavilion and an office home on a 9+ acre parcel along the East Branch Ausable River in the Town of Jay with construction slated for 2025-26. Our objective for this grant is to construct in 2025 the outdoor stewardship trails and learning areas that will extend and complement our pavilion, providing visitors with immersive learning experiences as they move from terrace, to floodplain, through wetlands, and along riverbank or spend time at active learning stations—outdoor classroom areas and laboratories where students and others can work with staff scientists and learn how to e.g, measure water parameters, study a geomorphic cross section, and/or identify native biota. Accessible signage will describe the site's human history, its ecological relevance, and its geologic context.

Outputs:

- A sustainable natural trail system of approximately 3/4 mile.
- A wheelchair accessible trail section within that system.
- 2 or 3 learning stations.
- Eradication of small pockets of non-native, invasive plants present on the site to prepare for restoration of native plant habitats.

Outcomes:

- The outdoor trails with their interpretive and teaching components provide passive and active learning opportunities for our communities, partners, and visitors, for school kids of all ages, teachers, and scientists (hobbyists, students, and colleagues at local institutions), and for local leaders, land managers, and others.

Organization: Ausable Freshwater Center
 Contact Person: Kelley Tucker
 Mailing Address: 5698 NYS Route 86
 Wilmington, NY 12997
 Phone: 518-637-6859
 E-mail: ktucker@ausableriver.org
 Website: ausablecenter.org

NEIWPCC Code: LS-2025-030
 EPA: 0373-004-001
 Start Date: 3/19/2025
 Close Date:
 Grant Amount: \$47,500.00
 Non-federal Match: \$8,775.00
 Total Amount: \$56,275.00

2024 Large Implementation Grant

concluded

Clean Water, Safe Roads Network (Expanded)

Project Summary

The Expanded "Clean Water, Safe Roads Partnership" seeks to advance a robust regional strategy for road salt reduction rooted in the empowerment of our municipal and county highway departments. AdkAction is partnering with Paul Smith's College Adirondack Watershed Institute (PSC AWI) among other institutions, to grow its comprehensive, personalized outreach and education program launched in 2022 to serve current and additional municipal and county highway department participants in New York's Lake Champlain Basin. The project's objectives include growing the existing Network cohort developed in our 2022 pilot project, and further developing and implementing strategies for increased salt reduction among participating departments.

Outputs:

- workshops and hands-on BMP training sessions, facilitate 1-1 technical assistance, equip participating highway supervisors with resources to convey their sustainable practices to their constituents, and informally convene road salt reduction educational leaders on both sides of the lake
- Press releases surrounding project announcement and achievements. Photos of any in-person discovery, workshop or event
- Physical letter/email outreach, newsletters
- Custom action plans for each participating municipality
- Workshop notes and pre-season data
- Customized water quality maps for participating towns and counties
- Two roundtable gatherings (notes, findings, photos, etc.)

Outcomes:

- Highway leaders have a short and long range plan for their unique shop's implementation of salt reduction

Organization: AdkAction

Contact Person: Sawyer Bailey

Mailing Address: PO Box 64
Keeseville, NY 12944

Phone: (518)-856-3233

E-mail: sawyer@adkaction.org

Website: www.adkaction.org



AdkAction's Sawyer Bailey talking with Town of Peru Highway Department leaders.

- best management practices.
- (2) Increased cohesion and mutual collaboration among NY LCB highway departments thanks to CWSR Network.
- (3) Reduced salt applied to our town and county roadways.
- (4) Na and Cl reduction in associated waterbodies in the basin over 5+ years as salt-reduction best management practices are implemented over time.

NEIWPCC Code: LS-2023-095
EPA 0368-004-001
Start Date: 12/1/2023
Close Date: 7/22/2025
Grant Amount: \$49,431.00
Non-federal Match: \$ 4,995.00
Total Amount: \$54,426.00



FY2024 Large Education and Outreach RFP

in progress

Clean Water, Safe Roads Network & Road Salt Water Quality Monitoring Program: Phase 2

Project Summary

AdkAction's "Clean Water Safe Roads Network and Road Salt Water Quality Monitoring Program: Phase 2" will engage highway departments and, for the first time, private commercial roadway managers, in a multi-jurisdictional education network for New York's Lake Champlain Basin to empower improved management techniques in salt-reduction, while launching a robust technical and community science monitoring framework to measure progress.

Outputs:

- Grow the technical assistance Network's reach and host planning workshops and hands-on BMP training sessions, facilitate 1-1 technical assistance, and equip participants with resources to convey their sustainable practices to their constituents.
- Establish robust water quality monitoring stations in two key, indicator municipalities, addressing critical gaps in environmental analysis and tracking of road salt concentrations over time.
- Scope the design and future implementation of a community science program for sodium chloride concentration monitoring, fostering broader engagement in environmental stewardship within the region, and complementing other AdkAction community outreach.

Outcomes:

- Successful engagement with 2-4 new communities in the Clean Water Safe Roads.
- Increased capacity among Network members to implement effective salt reduction strategies.
- Participating municipalities will demonstrate improved proficiency in snow and ice best management practices.
- Finalized plan and toolkit for the community science program, including implementation details, budget, and materials sourcing information.
- Detailed report on sodium and chloride concentrations at monitored sites, providing valuable insights into the impact of winter road maintenance practices,

Organization: AdkAction
 Contact Person: Sawyer Bailey
 Mailing Address: PO Box 64
 Keeseville, NY 12944
 Phone: 518-856-3233
 E-mail: sawyer@adkaction.org
 Website: www.adkaction.org

NEIWPCC Code: LS-2024-135
 EPA: 0373-004-001
 Start Date: 10/24/2024
 Close Date:
 Grant Amount: \$49,663.00
 Non-federal Match: \$7,194.00
 Total Amount: \$56,857.00

FY2024 Large Education and Outreach RFP

in progress

Community Access Program

Project Summary

The Community Access Program aims to reduce barriers to lake-based recreation and education by providing free access to youth camps and afterschool activities. The longer-term goal of this program is to improve year-to-year participation retention and encourage future employment as sailing instructors. This project will expand educational opportunities for both children and adults. CSC programming is further

Outputs:

- Seasonal staff training.
- 70 campers provided with hands-on stewardship education
- 20 adults complete Learn-to-Sail courses and receive Season Passes; and host weekly group meetings.
- Collect/analyze participant and educator qualitative and quantitative analysis's

Outcomes:

- Free sailing lessons and ongoing sailing opportunities will be provided for youth and adults by eliminating financial, physical and logistical barriers to participation.
- Comfort and confidence in water-based recreation will be increased through pre-season orientation events, a strong emphasis on safety, and a focus on building independent skills.
- Group sailing and/or paddling outings, as well as community-building events will be held regularly to increase engagement with lake-based recreation and comfort levels around boats, water, and the CSC.
- Opportunities for children and adults to enjoy the mental and physical health benefits of lake based recreation free of charge will be offered regularly. Children who complete a Level 1 sailing course can take their families sailing for free on Saturdays, and adults who complete a clinic will be given a season pass to take boats from the CSC fleet out independently or with friends or family.

Organization: Lake Champlain Community Sailing Center
Contact Person: Janet Callison
Mailing Address: 505 Lake Street
Burlington, VT 05401
Phone: 802-864-2499
E-mail: janet@communitysailingcenter.org
Website: www.communitysailingcenter.org

NEIWPCC Code: LS-2025-095
EPA: 0373-004-001
Start Date: 7/17/2025
Close Date:
Grant Amount: \$50,000.00
Non-federal Match: \$45,977.00
Total Amount: \$95,977.00

FY2024 Large Education and Outreach RFP

in progress

Community Conservation Nursery Expansion

Project Summary

This project seeks to expand the successful school-based tree nursery program started at Champlain Elementary School, in which students are gathering seeds from local sources to grow native trees, shrubs, and pollinator plants, to three new school campuses in disadvantaged communities in Burlington, Vermont.

The objective of this project is to expand the nature connection and stewardship work that is being taught to all students at Champlain Elementary to three new schools in Burlington. This work is being achieved through hands-on, place-based outdoor projects and learning. In specific, every class and grade level at expanded schools will work on gathering seeds and planting an on campus native tree, shrub and pollinator nursery. Students at new schools will be involved in restoration work on their campus and in nearby city parks.

Outputs:

- More educated and informed youth and lots of native shrubs, trees and pollinator plants for use in Burlington.

Outcomes:

- Well informed youth about the value of native trees and shrubs, the role of healthy forest in climate action and the role that healthy native ecosystems play in brook and lake health.
- Students will have an opportunity to learn by doing, creating much needed sources of native plants and trees used across the city.
- This work with youth will lead to broader understanding of the issue through dissemination of information to friends, family and neighbors.
- Students will have opportunities to learn about wildlife that travel through the school campus and insects that use native plants.

Organization: Burlington Wildways
 Contact Person: Zoe Richards
 Mailing Address: 1 Ethan Allen Homestead
 Burlington, VT 05408
 Phone: 802-310-1980
 E-mail: zoe@burlingtonwildways.org
 Website: WWW.BURLINGTONWILDWAYS.ORG

NEIWPCC Code: LS-2024-154
 EPA: 0373-004-001
 Start Date: 1/14/2025
 Close Date:
 Grant Amount: \$34,000.00
 Non-federal Match: \$10,501.00
 Total Amount: \$44,501.00

2024 Large Implementation Grant

in progress

Community Conservation Nursery

Project Summary

The objective of this project is to continue building upon the nature connection and climate action work that is being taught to all students at Champlain Elementary. This is being achieved through hands-on, place based outdoor projects and learning. In specific, every class and grade level works on gathering seeds and planting an on campus native tree, shrub and pollinator nursery. Students are also involved in restoration work on the campus and monitoring of an on campus wildlife corridor created in 2021.

Outputs:

- implement nature-based education program
- Three K-5 lessons for each class provided per quarter x ~320 students. Additionally provide group workdays for students, 1-2 per quarter.
- Detailed inventory of trees, plants, shrubs and seeds by species and amount.

Outcomes:

- educated and informed youth
- Champlain School nursery as a plant source for the City of Burlington

Organization: Burlington Wildways

Contact Person: Zoe Richards

Mailing Address: 1 Ethan Allen Homestead
Burlington, VT 05408

Phone: 802.310.1980

E-mail: zoe@burlingtonwildways.org

Website: www.burlingtonwildways.org



Elementary Students planting live stakes in early spring 2022 (left). These live stakes thrived and created a stick garden of willow, high bush cranberry and dogwood (right), which was then planted out in spring 2023 as part of Englesby Brook restoration work.

NEIWPCC Code: LS-2023-107
EPA 0368-004-001
Start Date: 1/12/2024
Close Date:
Grant Amount: \$50,000.00
Non-federal Match: \$10,338.00
Total Amount: \$60,338.00



2024 Large Implementation Grant

in progress

Continuing the New York Watershed Alliance- Year 6 Education Activities

Project Summary

The proposed project will provide partial support for year 6 of the University of Vermont/SUNY Plattsburgh Watershed Alliance program in New York schools. We will meet our objective of providing Watershed Alliance programming for at least three additional Kindergarten through 12th grade schools in the Lake Champlain Basin of New York and serve as a reliable partner in efforts basin wide. We will continue to offer a consistent presence of watershed science activities available to teachers and students. Our work thus far uniquely positions us in the community to address the emergent needs of students and teachers. In addition we will promote Watershed Alliance K-12 programming across the Basin and develop new hands-on STEM education programming to engage students and work closely with the Champlain Basin Education Initiative efforts.

Outputs:

- Further develop and expand relationships with teachers and partner organizations
- Implement Watershed Alliance programming
- Plan and Implement newly developed hands-on STEM education programming
- Assess learning outcomes of K-12 Watershed Alliance

Outcomes:

- increased awareness of watershed issues and stewardship strategies among youth and teachers.
- provide longitudinal hands-on watershed education to every K-12 student in the Lake Champlain Basin.

Organization: SUNY Plattsburgh

Contact Person: Tim Mihuc

Mailing Address: 101 Broad Street
Plattsburgh, NY 12901

Phone: 518-564-3039

E-mail: mihuctb@plattsburgh.edu

Website: plattsburgh.edu



NEIWPCC Code: LS-2023-105
EPA 0364-004-001
Start Date: 6/20/2024
Close Date:
Grant Amount: \$25,550.00
Non-federal Match:
Total Amount: \$25,550.00

2023 Large Implementation Grant

in progress

Continuing the New York Watershed Alliance- Year 5 Education Activities

Project Summary

This project will provide partial support for year 3 and 4 of the University of Vermont/SUNY Plattsburgh Watershed Alliance program in New York schools. Watershed Alliance programming will be implemented with 6 additional Kindergarten through 12th grade schools in the Lake Champlain Basin of New York. In addition, the program will promote Watershed Alliance K-12 programming across the Basin, develop new hands-on STEM education programming to engage students and work closely with the Champlain Basin Education Initiative efforts. The proposed project is critical to continue this effort in years 3 and 4, by allowing the retainment of qualified staff to continue the NY expansion of a highly successful education program.

Outputs:

- list of invested teachers and partners
- identify and develop programming with at least 3 K-12 schools, train student interns for in class programming
- identify teachers and implement STEM programming
- survey student outcomes
- outreach to schools for following year

Outcomes:

- enhance the current efforts of the UVM/SUNY Plattsburgh Watershed Alliance program
- better understanding of local watersheds and their issues in NY K-12 classrooms

Organization: SUNY Plattsburgh

Contact Person: Tim Mihuc

Mailing Address: 101 Broad Street
Plattsburgh, NY 12901

Phone: 518-564-3039

E-mail: mihuctb@plattsburgh.edu

Website: plattsburgh.edu

NEIWPCC Code: LS-2022-104
EPA 0364-004-001

Start Date: 3/8/2022

Close Date:

Grant Amount: \$66,378.00

Non-federal Match:

Total Amount: \$66,378.00



2022 Large Implementation Grant

concluded

Continuing the New York Watershed Alliance- Year 3/4 Education Activities

Project Summary

This project will provide partial support for year 3 and 4 of the University of Vermont/SUNY Plattsburgh Watershed Alliance program in New York schools. Watershed Alliance programming will be implemented with 6 additional Kindergarten through 12th grade schools in the Lake Champlain Basin of New York. In addition, the program will promote Watershed Alliance K-12 programming across the Basin, develop new hands-on STEM education programming to engage students and work closely with the Champlain Basin Education Initiative efforts. The proposed project is critical to continue this effort in years 3 and 4, by allowing the retainment of qualified staff to continue the NY expansion of a highly successful education program.

Outputs:

- list of invested teachers and partners
- identify and develop programming with at least 3 K-12 schools, train student interns for in class programming
- identify teachers and implement STEM programming
- survey student outcomes
- outreach to schools for following year

Outcomes:

- enhance the current efforts of the UVM/SUNY Plattsburgh Watershed Alliance program
- better understanding of local watersheds and their issues in NY K-12 classrooms

Organization: SUNY Plattsburgh

Contact Person: Tim Mihuc

Mailing Address: 101 Broad Street
Plattsburgh, NY 12901

Phone: 518-564-3039

E-mail: mihuctb@plattsburgh.edu

Website:



NEIWPCC Code: LS-2021-094
EPA 0356-004-001
Start Date: 3/8/2022
Close Date: 8/14/2025
Grant Amount: \$66,378.00
Non-federal Match:
Total Amount: \$66,378.00

2022 Large Implementation Grant

in progress

Developing Consistent and High-Quality Skills Training in Clean Water BMP Implementation on Sub-jurisdictional Small Sites

Project Summary

This project will facilitate the creation of 3 skills-based classroom workshops and 1 hands-on in-field workshop for watershed professionals and private contractors wishing to increase their knowledge about clean water BMP design and implementation on a small scale. The classes will be hosted by Yestermorrow Design/Build School in Waitsfield.

Outputs:

- 3 skills-based classroom workshops and 1 hands-on in-field workshop
- at least 2 clean water BMPs installed at small sub-jurisdictional sites identified as low-income-owned or located within vulnerable communities.
- 30 clean water professionals and/or contractors will have increased their confidence and technical knowledge about clean water BMP design and implementation on a small scale

Outcomes:

- Acceleration of voluntary adoption of clean water BMPs and to support cost-effective delivery of pollutant reduction goals under Act 76 for the Lake Champlain Basin.

Organization: Winooski NRC

Contact Person: Daniel Koenemann

Mailing Address: 94 Harvest Lane Suite 203
Williston VT 05495

Phone: ((802) 778-3178

E-mail: daniel@winooskinrcd.org

Website: www.winooskinrcd.org



Kristen Balschunat (WNRCD) and Shawn White (Friends of the Winooski River) learn how to complete a comprehensive site analysis for stormwater runoff using digital tools created by Friends of the Mad River



NEIWPCC Code: LS-2021-076
EPA 0357-004-001
Start Date: 10/29/2021
Close Date:
Grant Amount: \$36,062.00
Non-federal Match: \$ 7,667.00
Total Amount: \$43,729.00

2024 Large Implementation Grant

concluded

Diversity Access Initiative

Project Summary

The Diversity Access Initiative, launched in 2021, seeks to mitigate the historic, social, and economic barriers to lake-based recreation and education experienced by children who identify as Black, Indigenous, People of Color (BIPOC) by providing up to four weeks of youth camp and/or afterschool activities for as long as they wish to continue to attend. At least 50 children will access hands-on stewardship education through sailing camps and afterschool activities, and the community as a whole will be better informed on environmental concerns impacting the health of Lake Champlain including runoff, aquatic invasive species, and climate change.

Outputs:

- list of invested teachers and partners
- identify and develop programming with at least 3 K-12 schools, train student interns for in class programming
- identify teachers and implement STEM programming
- survey student outcomes
- outreach to schools for following year

Outcomes:

- benefiting the health of Lake Champlain, its goals of diversity, hands-on activities, reaching new audiences, and increasing access to waterways for diverse recreational activities.

Organization: Lake Champlain Community Sailing Center

Contact Person: Janet Callison

Mailing Address: 505 Lake Street
Burlington, VT 05401

Phone: 802-864-2499

E-mail: janet@communitysailingcenter.org

Website: communitysailingcenter.org



NEIWPCC Code: LS-2023-117
EPA 0368-004-001
Start Date: 12/1/2023
Close Date: 7/14/2025
Grant Amount: \$50,000.00
Non-federal Match: \$34,500.00
Total Amount: \$84,500.00

2023 Large Implementation Grant

concluded

Education Campaign to Bring Nutrient Recycling Practices to Lake Champlain

Project Summary

This project includes the output of 40 webinar presentations co-hosted with organizations located in the Lake Champlain Basin. These webinars will be presented through two different cohorts of partnering organizations. Participants will be connected with educational resources and follow up events. An initial group of partnering organizations has been established prior to requesting funding through the Lake Champlain Basin Program. Both cohorts for this project will be established through continued outreach and communication with organizations in the Lake Champlain Basin. Webinar participants will learn nutrient recycling practices and receive collection systems. With this knowledge and technology, participants will be able to implement nutrient recycling to fertilize their own gardens throughout the Lake Champlain Basin. As a result, project participants will produce the outcome of mitigating nitrogen and phosphorus emissions into the watershed through wastewater streams.

Outputs:

- 40 webinars delivered in 2 rounds to diverse audiences in the Lake Champlain Basin
- 50 collection devices distributed

Outcomes:

- mitigating nitrogen and phosphorus emissions into the watershed through wastewater streams.

Organization: Rich Earth Institute

Contact Person: Jed Blume

Mailing Address: 355 Old Ferry Road
Brattleboro, VT 05301

Phone: (802) 631-0196

E-mail: Jed@ricearthinstitute.org

Website: <http://ricearthinstitute.org>



Reclaiming urine as a fertilizer is a safe and simple practice that gardeners can learn to access an abundance of free fertilizer – and protect the Lake Champlain watershed.



NEIWPCC Code: LS-2022-087
EPA 0364-004-001
Start Date: 11/18/2022
Close Date: 1/6/2025
Grant Amount: \$32,868.00
Non-federal Match: \$ 9,300.00
Total Amount: \$42,168.00

2024 Large Implementation Grant

concluded

Environmental Mathematics and Student Action

Project Summary

This experiential education program will engage high school students through hands-on coursework and real-world riparian buffer restoration; students will learn many facets of this work, from species selection and planning these projects, to mapping and analyzing the success of them. Through the student work and public presentation, the community will become more informed about the health of local ecosystems and the impact of current conditions on water quality; they will also see their high school as a partner in improving our local communities. Additionally, runoff into the Missisquoi River will be reduced (in the long-term) thanks to student plantings and continued monitoring of restoration sites. Finally, participating students will gain valuable skills, will become much more informed about local riparian ecosystems, and will develop a lifelong connection to this landscape.

Outputs:

Outcomes:

- runoff into the Missisquoi River will be reduced
- community will become more informed about the health of local ecosystems and the impact of current conditions on water quality; they will also see their high school as a partner in improving our local communities.
- students will gain valuable skills, will become much more informed about local riparian ecosystems, and will develop a lifelong connection to this landscape

Organization: Missisquoi River Basin Association

Contact Person: Lindsey Wight

Mailing Address: 2839 VT Route 10
East Berkshire, VT 05447

Phone: (802) 393-0076

E-mail: lindsey@mrbavt.com

Website: www.mrbavt.com



MRBA Board Member Brian Jerose teaching local middle school students how to properly plant native seedlings during a riparian buffer planting event with students in 2016.



NEIWPCC Code: LS-2023-103

EPA 0368-004-001

Start Date: 12/1/2023

Close Date: 9/11/2025

Grant Amount: \$25,875.00

Non-federal Match: \$ 6,080.00

Total Amount: \$31,955.00

2023 Large Implementation Grant

in progress

Essex County Educational Events

Project Summary

This project will include 4 septic workshops, up to 16 farm meetings, and 4 in-class events with the EM2 River Model. The outcomes will be a better informed public on septic installation, regulations, and maintenance; a more informed farm community that will be able to better address water quality resource concerns; and K-12 youth and educators becoming more knowledgeable on the water cycle and water quality. The long-term outcome will be improved water quality as the public becomes more educated on water quality issues and best management practices.

Outputs:

- 4 septic workshops
- up to 16 farm meetings
- 4 K-12 in-class events with the EM2 River Model

Outcomes:

- improved water quality as the public becomes more educated on water quality issues and best management practices
- informed public on septic installation, regulations, and maintenance
- informed farm community that will be able to better address water quality resource concerns
- K-12 youth and educators becoming more knowledgeable on the water cycle and water quality

Organization: Essex County Soil and Water Conservation District

Contact Person: Alice Halloran

Mailing Address: PO Box 407
Westport, NY 12993

Phone: 518-962-8225

E-mail: ahalloran@westelcom.com

Website: <http://www.essexcountyswcd.org/>



NEIWPCC Code: LS-2022-108

EPA 0364-004-001

Start Date: 1/25/2023

Close Date:

Grant Amount: \$25,440.00

Non-federal Match: \$ 4,600.00

Total Amount: \$30,040.00

2023 Large Implementation Grant

concluded

Face the River: A Montpelier Collaboration

Project Summary

Conduct education and outreach to students, citizens, businesses, and the city of Montpelier, VT, in order to build community-wide commitment to adopt practices that will improve water quality, foster a thriving downtown connected to its river, and involve the public in caring for its local waterways. Outputs include a semester-long high school course, middle school stormwater field tour, and educational graphics and video. This work seeks to inspire the community to effect change – in part, through individual action, but especially through collective action – with immediate and long-term outcomes including an informed and empowered citizenry, support for removal of four Winooski Watershed dams, and entrepreneurial investment in healthy rivers.

Outputs:

- One semester-long *Face the River* class at Montpelier High School for 12 students to learn about and connect with the Winooski Watershed and Lake Champlain Basin.
- 8 community leaders (eg. ecologists, Abenaki leaders, hydrologists, etc.) engaged as guest speakers.
- 12 students interview 16 older adults, and share/discuss their stories with classmates.
- Students' final project shared with more than 300 community members.
- middle school stormwater field tour

Outcomes:

- community-wide commitment to adopt practices that will improve water quality, foster a thriving downtown connected to its river, and involve the public in caring for its local waterways.

Organization: Vermont River Conservancy

Contact Person: Kassia Randzio

Mailing Address: 29 Main Street, Unit 11
Montpelier, VT 05602

Phone: (802) 229-0820

E-mail: kassia@vermontriverconservancy.org

Website: www.vermontriverconservancy.org



NEIWPCC Code: LS-2022-084
EPA 0364-004-001

Start Date: 6/15/2023

Close Date: 5/5/2025

Grant Amount: \$26,583.00

Non-federal Match: \$ 7,624.00

Total Amount: \$34,207.00

2024 Large Implementation Grant

concluded

Franklin County Watershed 101 Initiative

Project Summary

This project seeks to inform and engage both K-12 students and adults across Franklin County, Vermont in watershed health and climate resilience activities via a combination of school field trips and presentations as well as community planning workshops.

Outputs:

- 8 field trips for K-12 students
- 4 classroom presentations
- 3 community planning workshops for adults across Franklin County

Outcomes:

- K-12 students understand the different components of watershed health and climate resilience, including climate justice
- students engage in watershed stewardship activities and participate in community service
- public is better informed about watershed issues and climate resilience.

Organization: FCND Conservation District

Contact Person: Lauren Weston

Mailing Address: 50 South Main Street, Suite B-20
St. Albans, VT 05478

Phone: 802-528-4176

E-mail: Lauren.Weston@usda.gov

Website: www.franklincountynrcd.org



Montgomery Elementary School students work together to build a nature mandala using natural materials from the Montgomery Town Forest during the Montgomery Bioblitz, June 2023.



NEIWPCC Code: LS-2023-097
EPA 0368-004-001
Start Date: 1/29/2024
Close Date: 5/1/2025
Grant Amount: \$49,117.00
Non-federal Match:
Total Amount: \$49,117.00

2023 Large Implementation Grant

in progress

Free VT Rivers Dam Removal Story Map

Project Summary

This project will continue the work of VNRC and the VT Dam Task Force to share Lake Champlain Basin fluvial geomorphic data on the benefits of dam removal and river connectivity on our website FreeVermontRivers.org, by weaving together written narrative of active dam removal projects with aerial imagery using drones to create an online story map.

Outputs:

- update materials and create additional education and outreach material on the VT Dam Mapper, specifically educational, interactive online maps, drone imagery comparisons, dam histories and removal narratives, as well as press releases
- 20-30 minute presentation to practitioners and the public on dam removal

Outcomes:

- more informed public regarding what the river systems look like before and after removal
- the river channel morphology and restoration can be tracked over time, showing project progress in terms of habitat restoration, aquatic ecosystem recovery, and flood resilience.

Organization: Vermont Natural Resources Council

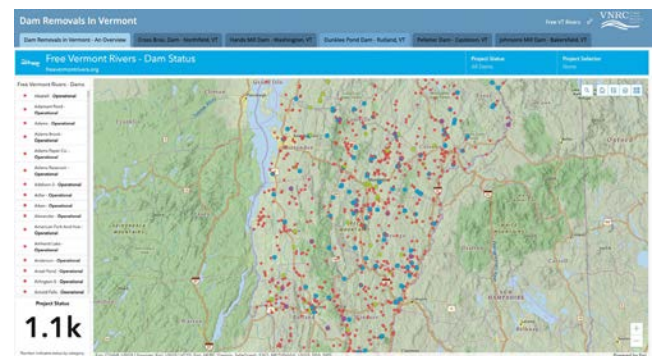
Contact Person: Karina Dailey

Mailing Address: 11 Baldwin Street
Montpelier, VT 05602

Phone: 802-223-2328

E-mail: kdailey@vnrc.org

Website: www.vnrc.org



Vermont Natural Resource Council's Vermont Dam Mapper (part of the Free VT Rivers website).



NEIWPCC Code:	LS-2022-085
EPA	0364-004-001
Start Date:	11/14/2022
Close Date:	
Grant Amount:	\$15,218.00
Non-federal Match:	\$ 3,654.00
Total Amount:	\$18,872.00

2024 Large Implementation Grant

concluded

Hosting the National Green Infrastructure Certification Program in the Lake Champlain Basin

Project Summary

Lake Champlain Sea Grant will host the National Green Infrastructure Certification Program, administered by EnviroCert International, for the first time in the Lake Champlain Basin. The course will be instructed by an approved EnviroCert trainer. The grant will fund 10-15 participants to take the 35-hour course, which is designed as both workforce development for entry-level workers and professional development for existing water resource professionals. Sea Grant will evaluate the impact of the training program and assess and provide recommendations for continuation or new trainings going forward.

Outputs:

- up to 15 professionals in the Lake Champlain Basin's clean water workforce to take a 35-hour course

Outcomes:

- approximately 15 professionals will become certified in green stormwater infrastructure (GSI) installation, inspection, and maintenance, to support the increase in implementation of GSI throughout the basin.

Organization: Lake Champlain Sea Grant

Contact Person: Jill Sarazen

Mailing Address: 705 Spear St.
South Burlington, VT 05403

Phone: (802) 656-2508

E-mail: jillian.sarazen@uvm.edu

Website: <https://www.uvm.edu/seagrant/>



Lake Champlain Sea Grant and City of South Burlington GSI Tour Day, June 8, 2023. Similar project.



NEIWPCC Code: LS-2023-100
EPA 0368-004-001
Start Date: 12/8/2023
Close Date: 5/6/2025
Grant Amount: \$28,748.00
Non-federal Match:
Total Amount: \$28,748.00

2022 Large Implementation Grant

in progress

Improving Communications through Updated Informational Kiosks at Winooski Valley Park District Parks

Project Summary

This project will support the revitalization of the Winooski Valley Park District's park signs, informational materials, and maps to better enhance user experience and visitor understanding of the importance of the park system to the health of the Winooski River and Lake Champlain. WVPD has identified improved signage as a key component to identifying our organization, educating park users, and fostering a sense of place. WVPD will hire a professional designer/firm to evaluate our current branding and to develop recommendations on how to redesign the information on our kiosks to better convey WVPD's mission and educate visitors of the natural, cultural, and recreational resources of our parks. WVPD will recruit community volunteers and/or student groups to create new standardized GIS maps for each WVPD park that will be incorporated into the design process. WVPD will also seek professional research to illustrate a more complete picture of the land use history of our properties to include an indigenous perspective/pre-contact through to present day.

Outputs:

- standardized branding plan for all signs across WVPD parks as developed by the hiring of a professional firm
- updated maps and information/interpretative materials including updated general WVPD information and rules, natural, cultural, and land use history, and information on the interconnectedness of the WVPD parks system and its relationship to the water quality and ecosystem health
- construction and installation of six information kiosks at WVPD parks that do not currently have them.

Outcomes:

- Increased park user/public understanding of and appreciation for Lake Champlain Basin resources, related threats, and priority actions needed to address them
- understanding of WVPD as a regional conservation organization and how its parkland positively contributes to the conservation and protection of the Lake Champlain Basin

Organization: Winooski Valley Park District

Contact Person: Lauren Chicote

Mailing Address: 1 Ethan Allen Homestead
Burlington, VT, 05408

Phone: 802-379-0280 (cell); 802-863-5744 (office)

E-mail: info@wvpd.org

Website: www.wvpd.org

- better informed public on ecosystem services provided by floodplain, wetland, and forest land
- increased sense of place that encourages a sense of personal responsibility that results in behavioral changes and actions to reduce pollution.



NEIWPCC Code: LS-2021-098
EPA 0357-004-001
Start Date: 1/5/2022
Close Date:
Grant Amount: \$39,700.00
Non-federal Match: \$18,563.00
Total Amount: \$58,263.00

2024 Large Implementation Grant

in progress

Lake Champlain Junior Ranger at the ECHO, Leahy Center for Lake Champlain

Project Summary

ECHO, Leahy Center for Lake Champlain will recruit 960 K - 8th grade students from Basin communities to learn about Lake Champlain by exploring our permanent exhibits, visiting the Lake Champlain Basin Resource Room, and becoming Lake Champlain Junior Rangers. To become Lake Champlain Junior Rangers, students will complete grade-level specific activity booklets produced by ECHO as part of this project and take a pledge to protect Lake Champlain. As an outcome of this project's activities, students will have increased understanding of Lake Champlain Basin ecosystem, native aquatic species, and geologic history and increased knowledge about what actions they can take to improve the health of the Lake Champlain Basin

Outputs:

- 60 classrooms composed of 960 K - 8th grade students recruited.
- 60 classrooms visits to ECHO and the LCBP Resource Room
- 60 classrooms projects inspired by Lake Champlain and communications sharing how to submit project to World Water Day.
- development/design of Junior Ranger booklets.

Outcomes:

- students will have increased understanding of Lake Champlain Basin ecosystem, native aquatic species, and geologic history and increased knowledge about what actions they can take to improve the health of the Lake Champlain Basin

Organization: Leahy Center for Lake Champlain Inc. dba ECHO

Contact Person: Nina Ridhibhinyo

Mailing Address: 1 College St.
Burlington, VT 05401

Phone: 802-864-1848 x 142

E-mail: nridhibhinyo@echovermont.org

Website: echovermont.org



Students learning about native wildlife at ECHO.

NEIWPCC Code: LS-2023-096
EPA 0368-004-001
Start Date: 12/1/2023
Close Date:
Grant Amount: \$26,511.00
Non-federal Match: \$12,596.00
Total Amount: \$39,107.00



2023 Large Implementation Grant

in progress

Lake Champlain Mercury Community Science Program

Project Summary

This project will engage high school teachers and classrooms in field science and data-driven community science curricula to increase understanding of the controls of mercury sources and bioaccumulation in the Lake Champlain region.

Outputs:

- biosentinel mercury data from the Lake Champlain Basin will contribute to a long-term, national database
- two to three teachers each in VT and NY will be engaged in a community science program to develop and implement research-based teaching modules in their classrooms
- four to eight classrooms of ~20 students each will conduct field research and “big data” analyses to answer self-directed questions on mercury and environmental science
- students will communicate their science to each other and to broader networks.

Outcomes:

- teachers and high school students are a broad and diverse audience who will share knowledge of mercury contamination in the Lake Champlain Basin to their family and community networks
- the Lake Champlain basin will be included in a long-term nationwide mercury monitoring database, providing a regional context for mercury levels in biota in this important ecosystem
- students will be involved in experiential education and teachers will gain access to new tools to meet Next Generation Science Standard core ideas, practices, and crosscutting concepts.

Organization: Dartmouth College - Department of Earth Science

Contact Person: Vivien Taylor

Mailing Address: 6105 Sherman Fairchild Hall
Hanover, NH 03755

Phone: 603-646-3318

E-mail: vivien.f.taylor@dartmouth.edu

Website: <https://earthsciences.dartmouth.edu/>



NEIWPCC Code: LS-2022-083
EPA 0364-004-001
Start Date: 1/26/2023
Close Date:
Grant Amount: \$50,000.00
Non-federal Match: \$26,818.00
Total Amount: \$76,818.00

FY2024 Large Education and Outreach RFP

in progress

Lake George Floating Classroom and Stream Education Program 2025

Project Summary

The LGA's Floating Classroom and Stream Education programs provide hands-on experiences to learn about the Lake George watershed, the importance of water quality and encourage behavior change and stewardship.

Outputs:

- An anticipated 82 Floating Classroom programs and 45 Stream Education programs will be conducted for participants to have a hands-on experience, to learn about the Lake George Watershed, the lake's water quality and hopefully affect change in behavior and encourage stewardship and lake protection.

Outcomes:

- Educate school students, homeowners, seasonal residents, visitors, and the general public:
 - about the Lake George watershed, which feeds into Lake Champlain, and the importance of clear and clean water quality.
 - about natural and man-made threats and issues that negatively impact water quality.
 - encourage reflection and critical thinking and the realization that even if one cannot see a waterbody, everyday actions can impact a watershed.
- provide hands-on experiences with experiments that teach participants about the biological workings of the Lake, food webs, water pH, temperature along with stream habitat assessment, and collecting and identifying macroinvertebrates.
- discuss what participants can do to affect positive behavior change and encourage stewardship of watersheds.

Organization: Lake George Association
Contact Person: Lindsey Kenna
Mailing Address: 2392 State Route 9N
Lake George, NY 12845
Phone: 518-668-9700
E-mail: lkenna@lakegeorgeassociation.org
Website: www.lakegeorgeassociation.org

NEIWPCC Code: LS-2024-152
EPA: 0373-004-001
Start Date: 2/19/2025
Close Date: 2/2/2026
Grant Amount: \$40,645.00
Non-federal Match: \$17,152.00
Total Amount: \$57,797.0

2024 Local Implementation Grant

concluded

Lake George Floating Classroom and Stream Education Programs 2024

Project Summary

An Informed and Involved Public, which is consistent with the LGA's mission and LCBP Opportunities for Action, is a cornerstone of the LGA education programs and specifically the Floating Classroom and Stream Monitoring programs. An anticipated 80 Floating Classroom programs and 66 stream education programs will be conducted for participants providing a hands-on experience and learn about the Lake George Watershed, the lake's water quality and affect change in behavior and encourage stewardship.

Outputs:

- 40+ Spring Floating Classroom field trips, educating 850+ students
- 35+ Spring School Stream Monitoring field trips, educating 775+ students.
- 20+ Summer public programs, educating 300+ children and adults.
- 20+ Fall Floating Classroom field trips, educating 350+ students.
- 15+ Fall School Stream Monitoring field trips, educating 250+ students.

Outcomes:

- education of students, homeowners, residents, and the general public about a variety of environmental topics related to water quality through hands-on water quality testing
- continue to be effective at raising awareness about water quality issues and affecting behavioral change that will help protect the Lake Champlain Basin

Organization: Lake George Association

Contact Person: Kristen Wilde

Mailing Address: PO Box 408
Lake George, NY 12845

Phone: 518-668-3558

E-mail: kwilde@lakegeorgeassociation.org

Website: www.lakegeorgeassociation.org



Students on Floating Classroom using secchi disks to investigate water clarity and viewing zooplankton through microscope.



NEIWPCC Code: LS-2023-101
EPA 0368-004-001

Start Date: 11/15/2023

Close Date: 2/7/2025

Grant Amount: \$29,843.00

Non-federal Match: \$12,350.00

Total Amount: \$42,193.00

FY2024 Large Education and Outreach RFP

in progress

Lake Lessons for Missisquoi Watershed Students

Project Summary

The Lake Lessons program provides educational, hands-on, place-based, half-day workshops for our local 4th-grade youth; teachings related to our Missisquoi watershed and Lake Champlain, and covering topics in the fields of science, technology, engineering, math, art (STEAM), and local cultural heritage are provided by Missisquoi watershed and Vermont partners.

Outputs:

- Engage our local 4th-grade students in a hands-on, place-based educational workshop to further deepen their understanding of how our local community and waterways impact Lake Champlain.
- Fourth grade students from six participating schools will rotate through 7 stations and activities hosted by the following partners
- Connect and educate our local youth, while also expressing the importance of caring for and protecting our waterways within our watershed and Lake Champlain.

Outcomes:

- Creation of lifetime memories for our local watershed youth as they learn about how their actions impact Lake Champlain, why Lake Champlain is an important part of Vermont’s ecosystem, and the cultural heritage of the Missisquoi basin.
- Students who complete Lake Lessons will gain a deeper understanding of the impact on waterways and how their actions can influence the health and well-being of Lake Champlain.
- Students earn a new appreciation for local maritime history and the ecology of our watershed.

Organization: Friends of Northern Lake Champlain
Contact Person: Bridget Butler
Mailing Address: 6 Fairfield Hill Road
Saint Albans, VT 05478
Phone: 802-373-4147
E-mail: bbutler@friendsofnorthernlakechamplain.org
Website: www.friendsofnorthernlakechamplain.org

NEIWPCC Code: LS-2024-151
EPA: 0373-004-001
Start Date: 1/3/2025
Close Date:
Grant Amount: \$29,994.00
Non-federal Match: \$6,261.00
Total Amount: \$36,255.00

FY2024 Large Education and Outreach RFP

in progress

LCC Ahead of the Storm - Georgia Elementary and Middle School Stormwater Education & Reduction Project

Project Summary

LCC Ahead of the Storm - Georgia Elementary and Middle School Stormwater Education & Reduction Project
We will implement stormwater education and reduction measures at Georgia Elementary-Middle School (GEMS) through an integrative program that includes stormwater curricula and on-site implementation that involves and engages the school and broader neighborhood community in learning about stormwater and designing, executing and maintaining a green stormwater infrastructure (GSI) project.

Outputs:

- Detailed project plan with key benchmarks and a schedule for implementation
- Classroom and on-site curriculum about stormwater
- School and community outreach
- Stormwater reduction site assessment
- Stormwater reduction implementation plan including native plantings to reduce stormwater flows and additional work to help comply with Vermont's Three Acre General Permit for stormwater
- Interpretive signage
- Maintenance plan & Outcome assessment process

Outcomes:

- A broader understanding of stormwater reduction, green infrastructure, and climate resiliency by Georgia Elementary and Middle School (GEMS) educators and students
- A strengthened network of collaborators for future environmental project work.
- Use of the Soaking Up Stormwater Curriculum to help educate students about stormwater issues and engage them in projects to reduce stormwater flows at the GEMS campus.
- Outreach to the broader Lake Champlain Basin community about stormwater and water quality protection needs and opportunities through use of LCC's communication networks including our E-newsletter, Facebook page, Instagram, and email list-serve as well as a press release.

Organization: Lake Champlain Committee
Contact Person: Jenny Patterson
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Burlington, VT 05401
Phone: 802-658-1421
E-mail: JennyP@lakechamplaincommittee.org
Website: www.lakechamplaincommittee.org

NEIWPCC Code: LS-2025-112
EPA: 0373-004-001
Start Date: 9/9/2025
Close Date:
Grant Amount: \$50,000.00
Non-federal Match: \$5,500.00
Total Amount: \$55,500.00



2024 Large Implementation Grant

in progress

Let's Talk Salt

Project Summary

To reduce use of road salt during winter snow and ice management, this project will translate low salt use best practice training videos into four non-English languages, and assess winter salting practices of, and develop and offer interactive trainings for key target audiences who work professionally to manage snow and ice in the Englesby Brook watershed.

Outputs:

- 10 training videos
- training agenda and evaluation summaries for five custodial staff trainings
- syllabus and evaluation summary for a municipal staff and UVM contractor reduced salt best practices training
- summary of snow and ice management practices and barriers to reducing use of salt at businesses in the watershed.

Outcomes:

- increased knowledge of target audiences (i.e., custodial staff at UVM, municipal staff and managers in Burlington and South Burlington and at UVM) of reduced salt best practices
- increased ability of these audiences to implement reduced salt best practices
- increased implementation of reduced salt best practices
- increased knowledge of current practices and motivations and barriers of small businesses to adopt reduced salt practices.

Organization: University of Vermont

Contact Person: Kristine Stepenuck

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Burlington VT 05405

Phone: 802-868-1048

E-mail: kstepenu@uvm.edu

Website: <https://www.uvm.edu/seagrant/home>



The University of Vermont has adopted some reduced salt best practices such as anti-icing, which is accomplished by spreading a salt-water mixture ahead of a storm to prevent snow and ice bonds with the pavement. Photo credit: Kris Stepenuck

NEIWPCC Code: LS-2023-118

EPA 0368-004-001

Start Date: 12/1/2023

Close Date:

Grant Amount: \$49,920.00

Non-federal Match:

Total Amount: \$49,920.00



2024 Large Implementation Grant

concluded

Libraries Love Lakes II: Conveying an Understanding of How Lake St. Catherine Fits to the Broader Watershed in order to Promote Inter/Intra-Collaboration and Sound Stewardship

Project Summary

This Libraries Love Lakes initiative will include 4 seasonal themed educational events: Winter, Spring, Summer, and Fall, along with the creation of an interactive watershed model of Lake St. Catherine, and a Lake St. Catherine mascot, and the expansion of the Wells Village Library's Lake St. Catherine specific collection. The events, the model, the mascot, and the materials available at the Wells Village Library will educate our lake community on how to be good stewards of our precious natural resources, including Lake St. Catherine.

Outputs:

- development and construction of a LSC specific watershed model
- call to artists for development/design of mascot and costume
- incorporation of mascot into events and activities
- development of learning kits
- host 4 seasonal events

Outcomes:

- educate lake community on how to be good stewards of precious natural resources

Organization: Lake St. Catherine Association

Contact Person: Jerremy Jones

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Poultney, VT 05764

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Website: lakestcatherine.org



NEIWPCC Code: LS-2023-102
EPA 0368-004-001
Start Date: 12/1/2023
Close Date: 2/25/2025
Grant Amount: \$20,360.00
Non-federal Match: \$21,717.00
Total Amount: \$42,077.00

FY2024 Large Education and Outreach RFP

in progress

Outreach at the Water's Edge: Public Engagement on Lake Champlain

Project Summary

Lake Champlain Maritime Museum will hire two Waterfront Educators in the summer season to provide accessible interpretation, public programming, and sustainable recreation to foster a greater understanding of Lake Champlain’s natural, cultural, and historical resources for the public and increase access for underserved communities.

Outputs:

- Educators will connect approximately 1,500 of the Museum’s 10,000+ annual visitors and provide meaningful, hands-on experiences.
- One Educator will focus on building awareness of Lake Champlain through informal learning opportunities, highlighting critical lake issues including microplastics, aquatic invasive species, and cyanobacteria blooms.
- The second Educator will focus on on-water, sustainable recreation programs using the Museum’s existing fleet of canoes, kayaks, and dinghies.
- Both Educators will create tour scripts and resource lists for all new programs so they may be continued in future years.

Outcomes:

- The public will be better informed and have increased awareness of issues that affect the health of Lake Champlain, including cyanobacteria blooms, microplastics, and aquatic invasives identification.
- The public will have increased access for meaningful experiences on Lake Champlain with a better understanding of sustainable recreation.
- Visitors will take action to protect and invest in a sustainable future for Lake Champlain.

Organization: Lake Champlain Maritime Museum
Contact Person: Katharine Noiva
Mailing Address: 4472 Basin Harbor Road
Vergennes, VT 05491
Phone: 802-475-2022
E-mail: Katharine@lcmmm.org
Website: www.lcmmm.org

NEIWPCC Code: LS-2024-144
EPA: 0373-004-001
Start Date: 1/3/2025
Close Date:
Grant Amount: \$42,768.00
Non-federal Match: \$6,875.00
Total Amount: \$49,643.00

FY2024 Large Education and Outreach RFP

in progress

Removing Barriers to Access in 2025

Project Summary

Lake Champlain Maritime Museum will build on its successful LCBP-funded project, Removing Barriers to Access, by continuing its free admission policy, its pay-what-you-can summer camps and teen expeditions, and expanding direct outreach to underserved populations in 2025.

Outputs:

- Continue its successful free admission policy and pay-what-you-can summer camps and teen expeditions to increase access to Lake Champlain and deepen our communities' connection to the region's ecology and history.
- Weekday summer camps for youth aged 6-14 and three overnight expeditions for teenagers aged 13-16.
- Continue to offer our free on-site programming for all site visitors, engaging people with hands-on experiences that connect them to the lake and develop them as stewards of the lake's natural resources.
- Public-facing staff will benefit from 8 hours of professional development.
- A temporary 3-month staff position for direct outreach to underserved populations.

Outcomes:

- Museum visitors and campers/expeditioners will feel connected to Lake Champlain and develop a sense of ownership for this shared public resource.
- Visitors will take action in their own lives to ensure the future health of the lake.

Organization: Lake Champlain Maritime Museum
 Contact Person: Katharine Noiva
 Mailing Address: 4472 Basin Harbor Road
 Vergennes, VT 05491
 Phone: 802-475-2022
 E-mail: Katharine@lcmmm.org
 Website: www.lcmmm.org

NEIWPCC Code: LS-2024-143
 EPA: 0373-004-001
 Start Date: 1/2/2025
 Close Date:
 Grant Amount: \$50,000.00
 Non-federal Match: \$20,144.00
 Total Amount: \$70,144.00

2024 Large Implementation Grant

concluded

Removing Barriers to Access in 2024

Project Summary

In 2024, Lake Champlain will continue its successful free admission policy and pay-what-you-can camps and expeditions model to increase access to our region's ecology, history, and our lake for everyone. The Museum will expand in-person programming on the Museum campus, engaging visitors with hands-on experiences that connect them to the lake and increase stewardship of its natural resources. New, multilingual outreach and exhibit translations will make the Museum welcoming and inclusive to even more visitors and families. This proposal will support four initiatives to increase access: free admission, pay-what-you-can camps and expeditions, multilingual visitor materials, and expanded hands-on programming for museum visitors during the 2024 season.

Outputs:

- Outreach and Promotion
- Free museum access for approx. 8,500-10,000 visitors
- 6 weeks of day camp (approx. 60 kids), 3 overnight expedition trips (approx. 25 kids)
- Translated (French and Spanish) Lake Health exhibit handouts and camp/expedition registration forms
- Onsite demonstrations for a total of approx. 200 visitors; 3 public programs for approx. 150 visitors; 4 ROV tours for approx. 50 people

Outcomes:

- make the Museum accessible to everyone
- provide opportunity for people to make personal connections with Lake Champlain that allow them to become stewards of the lake.
- An informed and engaged public who are connected to the Lake and involved in its stewardship.

Organization: Lake Champlain Maritime Museum

Contact Person: Katharine Noiva

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Vergennes, VT 05491

Phone: 802-475-2022 ext. 109

E-mail: katharine@lcmm.org

Website: lcmm.org



NEIWPC Code: LS-2023-099
EPA 0368-004-001
Start Date: 11/15/2023
Close Date: 3/10/2025
Grant Amount: \$50,000.00
Non-federal Match: \$15,972.00
Total Amount: \$65,972.00

2024 Large Implementation Grant

in progress

Salty Water in the Champlain Basin? Developing Place-based, Inquiry Lessons Around Road Salt and Chloride Contaminants

Project Summary

Chloride contamination shows the impact of human activities on the Lake Champlain Basin. We will build two place-based, inquiry curricula around this example: (1) students collect and analyze their own water samples and (2) students query a database of chloride data. The objectives of this project are to help students understand how chloride contamination is studied, to make data-supported cause and effect connections between contamination and contaminant sources, and to develop positive attitudes toward environmental stewardship in the basin. We will provide chloride measurement kits to schools and work with partner teachers to build the curricula.

Outputs:

- chloride measurement kits and sampling protocol
- database of chloride data for use with the curricula
- finalized curricula
- assessment/evaluation materials and data.

Outcomes:

- students will learn methods for studying chloride contamination and will make connections between road salt sources and chloride contamination in the Lake Champlain Basin
- increase in student attitudes toward environmental stewardship in the Lake Champlain Basin
- informal professional development relative to place-based inquiry
- continued creation and sharing of local chloride data by teachers, students, and researchers
- highlight the Lake Champlain Basin as an area of study and preservation

Organization: Research Foundation for SUNY

Contact Person: Nancy Price

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Plattsburgh, NY 12901

Phone: 518-564-4032

E-mail: npric002@plattsburgh.edu

Website: <https://www.rfsuny.org/>



Students from Plattsburgh High School will sample the Saranac River and other area waterways to investigate the effect of road salt on river chemistry.

NEIWPCC Code: LS-2023-113

EPA 0368-004-001

Start Date: 6/1/2024

Close Date:

Grant Amount: \$34,885.00

Non-federal Match: \$35,025.00

Total Amount: \$69,910.00



FY2024 Large Education and Outreach RFP

in progress

South Hero Watershed Learning Lab

Project Summary

South Hero Land Trust will work with the Town of South Hero, local students, teachers, and community partners to create an outdoor watershed education classroom and a demonstration wetland restoration project at the South Hero Recreation Park, which is a publicly-accessible natural area adjacent to Folsom School in South Hero.

Outputs:

- Develop an outdoor watershed education classroom complete with wetland viewing platform, covered area, and seating; engage community members and students in restoration activities on 1.64 acres of wetlands; provide a suite of field ecology and water quality testing supplies to local educators; and host hands-on, watershed-themed educational programming at the new site for students and the general public.
- 140 K-8 students will gain an increased sense of appreciation for the lake, knowledge about lake health, the role of wetlands in protecting water quality, and action steps they and their families can take to make a positive difference in the watershed.
- Fifty students will have hands-on experience in a service learning project to restore wetlands, giving them critical knowledge and skills to be stewards of their watershed. Roughly fifty members of the public will be involved in wetland restoration efforts as well as construction of the outdoor classroom.

Outcomes:

- A brand-new Watershed Learning Lab outdoor classroom that is accessible to and used by students and community members.
- 1.5 acres of wetlands put on a positive ecological trajectory through mechanical control of invasive species and planting of site-specific and climate-forward native trees and shrubs, along with at least 5 years of monitoring and maintenance led by SHLT.

Organization: South Hero Land Trust
Contact Person: Guy Maguire
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South Hero, VT 05486
Phone: 802-372-3786
E-mail: Guy@SHLT.org
Website: www.shlt.org

NEIWPCC Code: LS-2025-005
EPA: 0373-004-001
Start Date: 4/9/2025
Close Date:
Grant Amount: \$29,568.00
Non-federal Match: \$3,604.00
Total Amount: \$33,172.00

FY2024 Large Education and Outreach RFP

in progress

Stories of the Lake - Phase 2

Project Summary

Student reporters write and produce multi-media stories about the Lake Champlain Basin that are published in community papers and other media platforms to increase public awareness of the issues and activities and people of Lake Champlain.

Outputs:

- 75 stories related to Lake Champlain and the greater basin to be published with media partners in Vermont, New York and Quebec.
- Five audio (podcasts) or video. We expect
- A minimum of 200,000 readers/viewers/listeners to read/see/hear at least one story over the course of this project.
- Ten UVM students will participate, increasing their knowledge about lake issues and their lifelong interest and commitment to the Lake. I
- Award three summer scholarships to students doing reporting.

Outcomes:

- An editor will manage and mentor a team of student journalists who will create news and feature stories about Lake Champlain, focusing on LCBP’s 2025 priority areas.
- Residents of regions that have strong local news coverage are more likely to be active in their communities.
- Rigorous and engaging coverage will allow residents of the Lake Champlain region to become more invested in the Lake’s challenges and potential, thereby advancing LCBP’s goals of clean water, healthy ecosystems, thriving communities and an informed public.

Organization: The Winooski News
Contact Person: Richard Watts
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Burlington, VT 05401
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E-mail: rwatts@uvm.edu
Website:

NEIWPCC Code: LS-2025-071
EPA: 0373-004-001
Start Date: 6/6/2025
Close Date:
Grant Amount: \$46,387.00
Non-federal Match: \$4,103.00
Total Amount: \$50,480.00

2024 Large Implementation Grant

in progress

The Lake Champlain Sustainable Agriculture Education Program

Project Summary

The Lake Champlain Sustainable Agriculture Education Program will create partnerships between Shelburne Farms, Champlain Valley Farmer Coalition and Addison County River Watch to serve the schools and communities of Addison County for the purpose of educating about the importance of a clean Lake, a healthy watershed, and the best agriculture practices for water quality. Through education opportunities in the field and in the classroom, professional development for teachers, and community-based workshops, this program will increase community awareness of the efforts of the farming community to mitigate the effects of their agricultural practices on the Lewis-Otter watershed.

Outputs:

- WEC recruitment via flyer
- reach up to 50 educators and community members at in-school awareness event
- Water and Soil Quality Field Trips Data Gathering and Riparian Buffers
- partner with the Maritime Museum to add a farmer presentation and water testing activity with the Museum's Watershed Ecology Camp
- Up to 4 High School students complete a week-long internship with Addison County River Watch.
- CBEI WEC Training with Addison County Teachers
- Recruit, train, implement 2 teams of 3-4 Ambassadors to the Teens Reaching Youth for the Environment Program
- Integrate watershed curriculum into two 3-4 grade classes

Outcomes:

- increase community awareness of the efforts of the farming community to mitigate the effects of their agricultural practices on the Lewis-Otter watershed.

Organization: Shelburne Farms

Contact Person: Jen Cirillo

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Shelburne, VT 05482

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Website: shelburnefarms.org



NEIWPCC Code: LS-2024-089
EPA 0368-004-001

Start Date: 6/5/2024

Close Date:

Grant Amount: \$39,924.00

Non-federal Match:

Total Amount: \$39,924.00

FY2024 Large Education and Outreach RFP

in progress

The New York Watershed Alliance - developing K-5 programs

Project Summary

The proposed project will provide partial support for the University of Vermont/SUNY Plattsburgh Watershed Alliance program in New York schools and focus on new programming in K-5 schools.

Outputs:

- Provide Watershed Alliance programming in the Lake Champlain Basin of New York and serve as a reliable partner in efforts basin wide.
- Expand our efforts into K-5 programming in New York schools with the development of a new program to focus on microplastics and trash pollution in recreation areas, utilizing a hybrid classroom-to-field-trip model.
- Continue to offer a consistent presence of watershed science activities available to all K-12 teachers and students.

Outcomes:

- Increased awareness of watershed issues and stewardship strategies among youth and teachers.
- Longitudinal hands-on watershed education to K-12 students in the Lake Champlain Basin. A curriculum of microplastic pollution will be created and pursued by elementary level educators, increasing opportunity and engagement in watershed education within our K-12 audience.
- Retain staff member, Tori Herkalo, as a full-time employee to implement a highly successful Lake Champlain Sea Grant education program across the entire Lake Champlain basin.
- Hired student interns to help guide and implement the work of the NY Watershed Alliance program.

Organization: Research Foundation for SUNY
Contact Person: Tim Mihuc
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Albany, NY 12201-0009
Phone: 518-564-2155
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Website: www.rfsuny.org

NEIWPCC Code: LS-2025-068
EPA: 0373-004-001
Start Date: 8/27/2025
Close Date:
Grant Amount: \$33,926.00
Non-federal Match: \$10,884.00
Total Amount: \$44,810.00

2023 Large Implementation Grant

in progress

Upping the Game! Harnessing the Power of Games and Puzzle Quests to Reach New Audiences and Enhance Lake Literacy in the Lake Champlain Basin

Project Summary

This project builds on the power of educational games to inform and encourage behavior change. A library of environmentally-focused educational games for different age groups and audiences will be created, and game plays for organizations and school groups will be hosted throughout the Lake Champlain Basin. Two games will focus on Lake Champlain and incorporate LCBP priorities. The first will be a role play that addresses climate adaptation and natural hazards. The second will be a Lake Champlain focused puzzle quest that builds on LCBP's State of the Lake Report. Two "48hr game jams" (small game playing and design competitions) will be hosted. Finally, the impact of the work will be evaluated through pre/post event surveys with participants.

Outputs:

- design of two games
- training of students in game facilitation
- hosting of game jams
- assessment of participation

Outcomes:

- amplification of LCBP's core messages and objectives by gamifying the State of the Lake report and *Opportunities for Action*
- better informed public and encouragement of behavior change

Organization: SUNY Plattsburgh

Contact Person: Curt Gervich

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NEIWPCC Code: LS-2022-106

EPA 0364-004-001

Start Date: 1/25/2023

Close Date:

Grant Amount: \$31,379.00

Non-federal Match: \$ 3,597.00

Total Amount: \$34,976.00

FY2024 Large Education and Outreach RFP

in progress

Watershed Literacy and River Education in the Upper Winooski Watershed

Project Summary

North Branch Nature Center seeks to develop and launch a multifaceted suite of public programming around watershed health, riparian restoration, and flood resilience for residents of the Winooski River Watershed.

After the July floods, residents of the upper Winooski watershed have come to North Branch Nature Center requesting education and training on watershed health, riparian restoration, and flood resilience. They are seeking foundational ecological knowledge to understand how rivers work, how they're managed, and how to coexist in healthy relationship with rivers.

Outputs:

- Assemble a year-long menu of public programs in 2025 that together create a cohesive community training in watershed health and improve flood resilience in the Winooski Watershed.
- The year long programming includes, a presentation series, a field walk series, a high school class, a summer festival, and stewardship workshops on riparian restoration, plant propagation, seed collection, invasive species management, and river habitat improvement.

Outcomes:

- Residents are equipped with knowledge and skills to enact river resilience stewardship on their own properties and in their communities.
- Residents are able to make appropriate, well-informed decisions around how their municipalities will recover from and mitigate flooding.
- Local high school students are informed and involved in the future of their community's healthy relationship with rivers.
- The health and resilience of the upper Winooski watershed improves through streambank plantings, invasive management, floodplain protection, policy enactments, and other discrete efforts that were ultimately catalyzed by the engagement and education provided by this program series.

Organization: North Branch Nature Center
 Contact Person: Sean Beckett
 Mailing Address: 713 Elm St
 Montpelier, VT 05602-9400
 Phone: 802-229-6206
 E-mail: sean@northbranchnaturecenter.org
 Website: <https://northbranchnaturecenter.org/>

NEIWPCC Code: LS-2024-141
 EPA: 0373-004-001
 Start Date: 1/7/2025
 Close Date:
 Grant Amount: \$32,201.00
 Non-federal Match: \$7,580.00
 Total Amount: \$39,781.00

2023 Large Implementation Grant

concluded

Wool and Water: Using Fiber Art to Bring Science to Lake Champlain

Project Summary

Wool and Water will bring science to local communities using fiber art to convey scientific information about water quality concepts, threats, and trends throughout the Basin. Outputs from the proposed project will include improved digital and physical communication tools and display materials to enhance the quality and impact of the exhibit. Physical outputs will also include a take home Watershed Action Card that will accompany the display and provide a means by which citizens can feel empowered to address the water quality issues described. Outcomes from the project will include an increased understanding of and appreciation for Basin resources, related threats, and priority actions needed to address them on the part of those who view the display, as well as those who engage with accompanying online tools and resources. Outcomes may also include increased public engagement with art and science, as well as improved citizen action, knowledge, and behavior with regard to lake-and watershed-friendly products and practices. The PI is AWI science director and artist, Dr. Michale Glennon.+

Outputs:

- improved digital and physical communication tools and display materials to enhance the quality and impact of the exhibit. Physical outputs will also include
- a take home Watershed Action Card that will accompany the display and provide a means by which citizens can feel empowered to address the water quality issues described.

Outcomes:

- increased understanding of and appreciation for Basin resources, related threats, and priority actions needed to address them on the part of those who view the display, as well as those who engage with accompanying online tools and resources.
- include increased public engagement with art and science, as well as improved citizen action, knowledge, and behavior with regard to lake-and watershed-friendly products and practices.

Organization: Paul Smith's College Adirondack Watershed Institute

Contact Person: Zoë Smith

Mailing Address: PO Box 265
Paul Smiths NY 12970

Phone: 518-327-6276

E-mail: zsmith1@paulsmiths.edu

Website: www.adkwatershed.org

NEIWPCC Code: LS-2022-089
EPA 0364-004-001
Start Date: 11/16/2022
Close Date: 2/7/2025
Grant Amount: \$36,949.00
Non-federal Match: \$21,430.00
Total Amount: \$58,379.00



2023 Large Implementation Grant

in progress

Your Watershed, Your Lake: An Interpretive Trail Encouraging Control

Project Summary

The project will fund a public three-mile interpretive trail through the Saint Michael's College campus explaining how restored wetlands, tree plantings, invasive species removal, and improved land use practices, improve habitat for native wildlife and reduce nutrient pollution in the Champlain basin. The trail will highlight best land-use practices being implemented at the college to reduce runoff and nutrient pollution export, and to control invasive species.

Outputs:

- development and design of exhibit content
- development of trifold brochure with trail map
- development of trail and installation of 10 interpretive exhibit panels

Outcomes:

- a better informed public of land-use practices to reduce runoff and control invasive species

Organization: Saint Michael's College

Contact Person: Declan McCabe

Mailing Address: Biology Box 283; 1 Winooski Park
Colchester, VT 05439

Phone: 802 654 2626

E-mail: dmccabe@smcvt.edu

Website: <https://www.smcvt.edu/academics/majors-minors-and-curriculum/biology/>



Students planting native, habitat-appropriate trees by a constructed wetland where one of the interpretive signs will be placed. While the physical interpretive trail is the end goal of the current project, we anticipate that the ongoing efforts such as planting, survey implementation, and invasive species control will bring additional educational benefits to students and other participants.



NEIWPCC Code: LS-2022-091
EPA 0364-004-001
Start Date: 1/13/2023
Close Date:
Grant Amount: \$34,446.00
Non-federal Match: \$20,936.00
Total Amount: \$55,383.00

2024 Large Implementation Grant

concluded

Youth for Climate and Water Action in the Champlain Basin

Project Summary

The *Youth for Climate and Water Action in the Champlain Basin* project will elevate climate and watershed learning opportunities for Champlain classrooms through the development and implementation of locally relevant curriculum, lesson plans, student-centered field programs, and optional student community action projects. Specifically, AWI will develop a student lesson book and teacher's guide to include in-classroom activities that are aligned with state learning standards. In addition, teachers and their students from three school districts will each attend two field programs (6 total) at the 14,000-acre campus at Paul Smith's College in the spring 2024. Students and teachers will learn about climate risks to water and learn to measure impacts of climate change aboard AWI's floating classroom. Lastly, students will also have the option to participate in community action projects in their local watershed such as ongoing water quality monitoring and analysis, attending a sponsored climate or water conference, or highlighting climate impacts and solutions through social media and blog posts.

Outputs:

- list of 3 partnering school districts and 3 partner teachers, scheduled field visits
- Completed climate and water action curriculum; PDF printed; curriculum distributed to partnering schools
- Completed climate and water action curriculum; PDF printed; curriculum distributed to partnering schools
- 8-10 students engaged in water quality monitoring, conferences, communications

Outcomes:

- elevate climate and watershed learning opportunities for Champlain classrooms

Organization: Paul Smith's Adirondack Watershed Institute

Contact Person: Tom Collins

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Paul Smiths, NY 12970

Phone: 518-327-6155

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Website: www.adkwatershed.org



Students at the 2023 Adirondack Climate Leadership Retreat participating in a water sampling and fiber arts workshop.

NEIWPCC Code: LS-2023-104

EPA 0368-004-001

Start Date: 12/1/2023

Close Date: 2/7/2025

Grant Amount: \$46,574.00

Non-federal Match: \$ 4,595.00

Total Amount: \$51,169.00



2024 Small Implementation Grant

in progress

A “Spiny” Project: Involving Municipalities & Communities to Protect the Spiny Softshell Turtle and its Habitat, the Lake Champlain & Tributaries

Project Summary

The main objective of this project is to raise public awareness about the spiny softshell turtle (SST) and its habitat through hands-on activities

Outputs:

- two public releases of SST hatchlings in their natural habitat with the community members
- display of two live SST in five town halls, for a total of 10 weeks of display among visiting citizens
- five presentations for municipal officials on the SST and its habitats, the Lake Champlain and its tributaries
- five presentations for community members on the SST and its habitats, the Lake Champlain and its tributaries, with a live SST on site
- three citizen days (including the Mikinak Festival which we also organize with collaborators) where we will participate with a kiosk and the presence of a live SST
- 20 articles in municipal bulletins on the protection of the SST and its habitats,
- 1 educative children's book on the journey of a young SST and the threats it faces throughout its life,
- 2 public readings of the children's book in a municipal library followed by an activity related to the subject,

Outcomes:

- inform citizen audiences about threats to turtles and to the Lake Champlain watershed, and benefits of healthy ecosystems

Organization: Zoological Society of Granby

Contact Person: Véronique Bellavance

Mailing Address: 525 rue Saint-Hubert
Granby, Qc Canada, J2G 5P3

Phone: 450-372-9113 ext. 2207

E-mail: vbellavance@zoodegranby.com

Website: www.zoodegranby.com



Public release of young spiny softshell turtle hatchlings from the Zoo de Granby laboratory, in Pike River. The artificial incubation egg program at the zoo helps release = around 250 hatchlings of this threatened species yearly.

NEIWPCC Code: L-2024-091

GLFC 0100-339-004

Start Date: 6/28/2024

Close Date:

Grant Amount: \$14,963.00

Non-federal Match: \$18,285.00

Total Amount: \$33,248.00



2025 Education and Outreach Small

in progress

Access and Resilience: Stewarding Lake Champlain Basin Waterways

Project Summary

This project will engage student interns and community volunteers in four hands-on stewardship projects throughout the Lake Champlain basin to improve access, reduce human-driven environment impacts, and improve flood resilience at portage trails, walking paths, paddler campsites, and river access points along the Saranac River, Lake Champlain Islands, Missisquoi River, and Lamoille River. In 2025, working with state and community partners, a series of projects were identified that will improve public access, protect water quality, reduce environmental impacts, and improve flood resilience in the Lake Champlain Basin. Planned work includes:

Outputs:

- The onboarding and training of three stewardship interns
- The engagement of 40+ volunteers in hands on projects within the Basin
- Completed rehabilitation of the Lower Locks Carry, Saranac River by installing a 15-step stone staircase and wide, stable stone landing at the put-in
- Construction of a new paddlers' campsite and improvements to existing paddling infrastructure at Marble Mill Park along the Missisquoi River in Swanton, VT
- Completed restoration of the Nomad Trail on Valcour Island, a cross-island hiking trail used by paddlers and other visitors
- Restoration of three campsites on the eastern shore of Valcour Island
- Restoration of the Talc Mill river access
- Removal of significant storm-driven accumulation of trash and debris along the Lamoille River corridor (2-3 tons estimated)

Outcomes:

- Reduced ecological impacts as a result of human recreational activities

Organization: Northern Forest Canoe Trail
Contact Person: Alex Delhagen
Mailing Address: 831 Mill Brook Rd
Waitsfield, VT 05673
Phone: 802-496-2285
E-mail: alex@northernforestcanoetrail.org
Website: <https://www.northernforestcanoetrail.org>

- Increased public awareness of the challenges of natural resource management
- Improved access to high-quality, local outdoor recreation infrastructure
- Healthier aquatic ecosystems within the Lake Champlain Basin environment
- Increased opportunities for economic development in local communities along the paddling trail

NEIWPC Code: LS-PO-2025-082
EPA: 0373-004-001
Start Date: 06/12/2025
Close Date:
Grant Amount: \$14,947.00
Non-federal Match: \$17,177.00
Total Amount: \$32,124.00

2024 Small Implementation Grant

concluded

After the Flood: Deploying Students and Volunteers in Stewardship Projects Along Lake Champlain and the Saranac, Lamoille and Missisquoi Rivers

Project Summary

This is a community engagement, public access improvement, water quality protection, and flood resilience project focused on the Saranac River, Lake Champlain's Valcour Island, and the Lamoille River. We plan to train and deploy a team of stewardship interns that will work with volunteers to complete a series of projects that will improve public access to water resources and reduce environmental impacts in the Lake Champlain Basin. In addition to cultivating stewardship skills for interns and providing volunteer opportunities for residents, expected outcomes include the rehabilitation of the Lower Locks Carry; the installation of a dock at the NFCT Five Faults Campsite; the rehabilitation of the Kent Falls Carry along the Saranac River; the replacement of a failing board walk along a cross island hiking trail on Valcour Island; the restoration of the Dog Head Falls Carry (Lamoille River); and the construction of a new paddler campsite along the Missisquoi River.

Outputs:

- hire interns and recruit volunteers
- rehabilitation of the Lower Locks Carry
- installation of a dock at the NFCT Five Faults Campsite
- rehabilitation of the Kent Falls Carry along the Saranac River
- replacement of a failing board walk along a cross island hiking trail on Valcour Island
- restoration of the Dog Head Falls Carry (Lamoille River)
- construction of a new paddler campsite along the Missisquoi River.

Outcomes:

- improve public access to water resources and reduce environmental impacts in the Lake Champlain Basin

Organization: Northern Forest Canoe Trail

Contact Person: Noah Pollack

Mailing Address: PO Box 565
Waitsfield VT 05673

Phone: (802) 496-2285

E-mail: noah@northernforestcanoetrail.org

Website: northernforestcanoetrail.org



2022 stewardship crew and volunteers along a set of infiltration steps installed at an eroding access at Union Falls Pond, Saranac River. This project will increase our capacity to orchestrate opportunities like this one.

NEIWPCC Code: LS-2024-097
EPA 0368-004-001
Start Date: 6/28/2024
Close Date: 4/29/2025
Grant Amount: \$15,000.00
Non-federal Match: \$20,331.00
Total Amount: \$35,331.00



2025 Education and Outreach Small

in progress

Castleton Hidden History Project Educational Outreach

Project Summary

Using a model that combines interactive experiences with archaeologists and members of a local Native American community, the Castleton Hidden History Project aims to raise awareness, appreciation, and conservation of cultural heritage resources within the southern Lake Champlain Basin among local K-12 students and educators. This project will engage a part-time education and outreach coordinator, university student interns, and a consultant from the Elnu Abenaki to carry out education and outreach activities in 2025 and 2026.

Outputs:

- part-time coordinator to direct all education and outreach activities hired. 5 VTSU student paid internships and training to support the coordinator.
- partnership with one or more representatives from the Elnu Abenaki, who will provide a crucial component of CHHP's educational initiatives by presenting the voices of descendant populations alongside the perspectives of archaeologists.
- visit at least 15 elementary, middle, and high school classes in surrounding communities. Targeted towns include Benson, Castleton, Fair Haven, Orwell, Poultney, Proctor, Rutland, Rutland Town, and West Rutland.
- host 10 school groups from Grades 4 and higher on field trips.
- Data collection for assessment of impact and strengths

Outcomes:

- local knowledge and perception of cultural heritage resources is enhanced.
- learn the methods and goals of archaeological research
- learn about the pre-contact and current presence of Native Americans in the Champlain Basin
- learn about 19-century life in Castleton
- develop an appreciation for, and conservation ethic towards, cultural heritage resources and within the southern Champlain Basin

Organization: Castleton Hidden History Project at Vermont State University
Contact Person: Ellen Moriarty
Mailing Address: 6 Alumni Dr; Leavenworth Hall 200
Castleton, VT 05735
Phone: 802-468-1047
E-mail: Ellen.Moriarty@vermontstate.edu
Website: <https://vermontstate.edu/community/hidden-history-project/>

NEIWPC Code: LS-PO-2025-085
EPA: 0373-004-001
Start Date: 07/14/2025
Close Date:
Grant Amount: \$14,917.00
Non-federal Match:
Total Amount: \$14,917.00

2025 Education and Outreach Small

in progress

Connecting People with the Lake Champlain Basin

Project Summary

"Connecting People with the Lake Champlain Basin" is a project created by CATS to establish a strong and meaningful connection between community members of all ages and the sub-watersheds of the Lake Champlain Basin, where CATS' trails and preserved land are located. The primary objective of this project is to raise awareness about sub-watersheds ecological features, the threats facing them, and the importance of preserving them. Focusing on community education and engagement builds public support for CATS and other land trusts that engage in regional conservation and restoration efforts. The project aims to create a sustainable future for the Lake Champlain Basin sub-watersheds, where individuals and the community can enjoy and benefit from the area's natural resources while ensuring their preservation for future generations.

Outputs:

- The Central Champlain Valley Outdoor Education Action Plan will be updated and implemented.
- The Volunteer Stewardship program will be improved to streamline volunteer involvement, assign volunteers specific tasks, and update the stewardship handbook.
- organize three monthly land and trail stewardship activities, including trail maintenance, land management, and invasive species prevention and removal.
- Four environmental activities will be hosted monthly to educate the community on the importance of preserving the sub-watersheds and raising awareness about the ongoing conservation and restoration efforts.

Outcomes:

- Increased Public Awareness; Enhanced Environmental Education; Community Engagement ; Increased Volunteer Participation
- protecting & restoring key habitats while promoting sustainable practices with stakeholders.
- Enhanced Recreation Opportunities

Organization: Champlain Area Trails
Contact Person: Amber Adamson
Mailing Address: PO Box 193
Westport, NY 12993
Phone: 518-962-2287
E-mail: amber@champlainareatrails.com
Website: www.ChamplainAreatrails.com

NEIWPC Code: LS-2025-113
EPA: 0373-004-001
Start Date: 09/03/2025
Close Date:
Grant Amount: \$15,000.00
Non-federal Match: \$41,641.00
Total Amount: \$61,633.00

2023 Small Implementation Grant

in progress

Conservation Block Parties: Inspiring Community Action for Water Quality

Project Summary

Nutrients, sediment, pathogens, and other pollutants move through the landscape and often find their way into Lake Champlain. Behind each of these pollution sources lies a chain of people who engage in behaviors that reduce the lake's water quality. That's why decreasing water pollution requires changes in behaviors that contribute to it. Grand Isle County Natural Resources Conservation District will embrace a community-level approach to the issue. GICNRCD will identify sub-watersheds within the county, one in each town, to host five Conservation Block Parties targeting their unique challenges. The outputs of this project will be five educational events. Each event will foster supportive, fun, and non-judgmental social environments that engender peer-to-peer intimacy aimed at improving ecosystem health. The outcome of the project will be a community with increased confidence, resources, and technical knowledge to implement action resulting in cleaner water.

Outputs:

- five educational events that will foster supportive, fun, and non-judgmental social environments that engender peer-to-peer intimacy aimed at improving ecosystem health.

Outcomes:

- increased confidence, resources, and technical knowledge to implement action resulting in cleaner water within the community

Organization: Grand Isle County Natural Resources Conservation District

Contact Person: Molly Varner

Mailing Address: P.O. Box 212
North Hero, Vermont, 05474

Phone: (802) 372-8400

E-mail: molly.gicnrcd@gmail.com

Website: Facebook.com/GrandIsleNRCD



The Grand Isle County community gather at Island Acres Farm in South Hero for an event hosted by Grand Isle County Natural Resources Conservation District and South Hero Land Trust. Guests toured a watershed through farmland, wetland, and shoreland.



NEIWPCC Code: LS-2023-052
EPA 0364-004-001
Start Date: 6/14/2023
Close Date:
Grant Amount: \$12,635.00
Non-federal Match: \$ 2,174.00
Total Amount: \$14,809.00

2025 Education and Outreach Small

in progress

Cultivating Connection in the Rock River Watershed

Project Summary

The Friends of Lake Champlain(FNLC) will strengthen its relationship with the community of Highgate through a series of educational programs designed to connect folks with the Rock River subwatershed. FNLC has been monitoring waterways and working with farmers and other landowners in this subwatershed for more than 10 years. To bring the community together around actions to improve the health of the waterways and shoreline on Lake Champlain, we'll host a series of outings focused on connection to place through recreation - birding, biking, and paddling. While the Rock River has been identified as an impaired waterway by Vermont DEC, the Friends have successfully worked with conservation-minded farmers in the region to improve best management practices. We need to share the story of this work through programming on the landscape, and we need to celebrate the inherent and present beauty of the landscape to engage community members in its care. Each outing will focus on a different way to connect with the watershed through birding, biking, and paddling while providing participants with the opportunity to explore and discuss local conservation efforts and programs. We'll use the knowledge and skills of our partners to elevate both the experience and the discussion around actions that can be taken to improve and protect the health of the Rock River subwatershed.

Outputs:

- development of a series of outings, contact information for future mailings
- Social media posts about outings
- Post-outing survey responses

Outcomes:

- Public understanding of the Rock River subwatershed
- Better informed public overall
- Relationship building between members of the public, and with farm hosts
- Lake Wise, Stream Wise, Bobolink Project participants
- Building community around the Rock River Watershed

Organization: Friends of Northern Lake Champlain
 Contact Person: Bridget Butler
 Mailing Address: 6 Fairfield Hill Road
 Saint Albans, VT 05478
 Phone: 802-373-4147
 E-mail: bbutler@friendsofnorthernlakechamplain.org
 Website: www.friendsofnorthernlakechamplain.org

NEIWPCC Code: LS-2025-090
 EPA: 0373-004-001
 Start Date: 07/07/2025
 Close Date:
 Grant Amount: \$14,961.00
 Non-federal Match: \$2,560.00
 Total Amount: \$17,521.00

2025 Education and Outreach Small

in progress

Discovering the Ausable: An Aquatic Stewardship Program

Project Summary

This program will inspire in area youth a passion for the environment and our water resources while also giving them practical hands-on skills in the field of aquatic ecology. Both the Adirondack Mountain Club (ADK) and the Ausable Freshwater Center (AFC) believe that today's youth are tomorrow's environmental leaders and that a connection to the natural world, built through significant experiences, is a critical step in building a stewardship ethic. Since 2016, sixty-six participants have been excited to learn about water quality monitoring to further our understanding of the threats facing the Ausable River.

Outputs:

- Twelve youth will spend time outdoors and learn basic outdoor recreational skills, including Leave No Trace outdoor ethics, basic wilderness preparedness and safety, and paddling skills.
- Participants will learn the fundamentals of limnology and stream ecology. They will learn how to conduct physical, chemical, and biological measurements of both lakes and streams.
- Participants will collect vertical profiles of temperature, dissolved oxygen, specific conductance, and pH of a lake.
- Participants will measure phosphorus, nitrate, chloride, and alkalinity from a surface water sample.
- Participants will identify fish species through minnow traps, trap netting, and fishing.
- Participants will assess the water quality of a stream in the Ausable River watershed using benthic macroinvertebrates.
- Participants will complete a collaborative stewardship project.

Outcomes:

- promote lifelong environmental stewardship by providing youth with significant experiences in the outdoors.
- foster leadership and teambuilding skills that would serve them in future engagement with stewardship and other projects.

Organization: Adirondack Mountain Club, Inc.
Contact Person: Eliza Phillips
Mailing Address: PO Box 867
Lake Placid, NY 12946
Phone: 518-523-3480
E-mail: eliza@adk.org
Website: www.adk.org

NEIWPCC Code: LS-2025-102
EPA: 0373-004-001
Start Date: 08/13/2025
Close Date:
Grant Amount: \$14,992.00
Non-federal Match:
Total Amount: \$14,992.00

2024 Small Implementation Grant

concluded

Discovering the Ausable: An Aquatic Stewardship Program

Project Summary

This program will inspire in area youth a passion for the environment and our water resources while also giving them practical hands-on skills in the field of aquatic ecology. Both ADK (Adirondack Mountain Club) and the Ausable River Association (AsRA) believe that today's youth are tomorrow's environmental leaders and that a connection to the natural world, built through significant experiences, is a critical step in building a stewardship ethic. Since 2015, over sixty participants have been excited to learn about water quality monitoring and data collection to further their understanding of the threats facing the Ausable River watershed.

Outputs:

- recruitment of youth campers. Program schedule and description; press release
- Program preparation and execution. Student data sheets, participant reflections
- Gauge student impact. List of completed actions for each participant

Outcomes:

- heightened environmental literacy and watershed stewardship of area youth
- stronger generation of environmental leaders with hands-on skills in the field of aquatic ecology.

Organization: Adirondack Mountain Club

Contact Person: Seth Jones

Mailing Address: 814 Goggins Road
Lake George, NY 12845

Phone: 518-523-3480 x19

E-mail: seth@adk.org

Website: www.adk.org



Discovering the Ausable participant with a fish caught in Heart Lake during the Adirondack fisheries lesson.



NEIWPCC Code: LS-2024-092
EPA 0368-004-001
Start Date: 6/28/2024
Close Date: 5/5/2025
Grant Amount: \$14,895.00
Non-federal Match:
Total Amount: \$14,895.00

2024 Small Implementation Grant

in progress

Diversifying Lake Stewardship: Phase 2

Project Summary

Funding is sought to engage Black, Indigenous, People of Color (BIPOC) students and their peers from Winooski (WSD) and Burlington School Districts (BSD) in hands-on lake-based environmental education. Through this engagement, over 400 students will increase their knowledge about watershed science, water quality and water conservation practices through CSC's Floating Classrooms and LeaderShip programs. In Phase 1 of the project (2024) CSC Education staff is building relationships with Winooski and Burlington teaching and administrative staff and working to discover and eliminate barriers to participation. In this Phase 2 of the project, CSC staff will build upon these relationships to ensure involvement by Winooski and Burlington students in Floating Classrooms and LeaderShip experiential education programs.

Outputs:

- Schedule BSD and WSD 3rd-6th graders for Floating Classrooms; and 3-12th for LeaderShip
- Seasonal Staff training
- Floating Classrooms & LeaderShip Programming. BSD and WSD students access environmental education

Outcomes:

- diversity among lake stewards benefits the health of Lake Champlain, by reaching new audiences and increasing access to waterways for diverse recreational activities.
- increased understanding of the watershed, the importance of clean water, and the impact of individual choices on the environment.

Organization: Lake Champlain Community Sailing Center

Contact Person: Janet Callison

Mailing Address: 505 Lake Street
Burlington, VT 05401

Phone: 802-864-2499

E-mail: janet@communitysailingcenter.org

Website: www.communitysailingcenter.org



Floating Classrooms: Erosion lesson on the CSC deck..

NEIWPCC Code: LS-2024-118
EPA 0368-004-001
Start Date: 9/19/2023
Close Date:
Grant Amount: \$15,000.00
Non-federal Match: \$78,936.00
Total Amount: \$93,936.00



2023 Small Implementation Grant

concluded

Diversifying Lake Stewardship

Project Summary

This project will engage 3rd-12th graders from Winooski and Burlington- VT's most racially diverse school districts, to participate in Floating Classrooms and LeaderShip. We seek to offer the program free of charge to these 2 student groups, specifically to create diversity among lake stewards. As with all Community Sailing Center (CSC) programming, students learn about the watershed, the importance of clean water, the impact of individual choices on the environment, how to respond to rapidly changing conditions and situations, communicate effectively, and rely on themselves, their crew, and their equipment. In the 2023-24 School Year, approximately 250 students from Winooski schools, and 150 from BSD's most economically impacted elementary schools will participate in CSC programming.

Outputs:

- approx 400 student participants will learn to sail and learn about the lake and themselves
- Seasonal Staff training

Outcomes:

- diversity among lake stewards benefits the health of Lake Champlain, by reaching new audiences and increasing access to waterways for diverse recreational activities.
- increased understanding of the watershed, the importance of clean water, and the impact of individual choices on the environment.

Organization: Lake Champlain Community Sailing Center

Contact Person: Janet Callison

Mailing Address: 505 Lake Street
Burlington, VT 05401

Phone: 802-864-2499

E-mail: janet@communitysailingcenter.org

Website: www.communitysailingcenter.org



NEIWPCC Code: LS-2023-085
EPA 0364-004-001
Start Date: 9/19/2023
Close Date: 12/16/2024
Grant Amount: \$15,000.00
Non-federal Match: \$41,260.00
Total Amount: \$86,269.00

2025 Education and Outreach Small

in progress

Educational Activities Series in the Lake Carmi Watershed

Project Summary

Lake Carmi has had a TMDL for Phosphorus since 2009 and was designated as a Lake in Crisis by the State of Vermont in 2018. Cyanobacteria blooms continue to persist in Lake Carmi. In response, the Town of Franklin plans to move forward with a large-scale alum treatment to address legacy phosphorus in lake sediments and reduce algal blooms. Due to the large financial and time commitments necessary for this process, Franklin community members have emphasized the importance of continued BMP education and implementation to ensure that the alum treatment's effects are long-lasting and supported by work to reduce phosphorus inputs throughout the Lake Carmi watershed. FWC proposes to hold a series of public events that combine lake and stream recreation with education on water quality topics. Three outdoor events will be held in Summer 2025 to educate residents, campers, and farmers throughout the Town of Franklin on topics including but not limited to flood resilience, stream dynamics, aquatic ecology, and aquatic invasive species. Recreational activities may include a group paddle, stream walks, a guided bike tour around the lake, and macroinvertebrate sampling. Each event will feature an expert speaker to discuss a topic related to watershed health. Resources to support BMP adoption will also be available at each event.

Outputs:

- a list of event dates, speakers, and topics created, 3 in-person events; 1 event flyer, 3 social media posts, 3 email blasts, and 1 newsletter article; and summary of events and attendees recorded at each event

Outcomes:

- increased public awareness of lake health, watershed literacy, and best management practices; greater communication between water quality organizations and Lake Carmi community members; and ultimately increased public stewardship ethic and BMP adoption in the watershed.

Organization: Franklin Watershed Committee
Contact Person: Julia Crocker
Mailing Address: PO Box 79
Franklin, VT 05457
Phone: 802-825-1243
E-mail: juliamariecrocker@gmail.com
Website: <https://www.franklinwatershed.org/>

NEIWPCC Code: LS-PO-2025-081
EPA: 0373-004-001
Start Date: 06/25/2025
Close Date:
Grant Amount: \$9,395.00
Non-federal Match:
Total Amount: \$9,395.00

2025 Education and Outreach Small

in progress

Empowering New York Stewardship by Revitalizing Educational Resources for Local Impact

Project Summary

This project will provide educational stewardship materials for the public to appreciate and become stewards of local waters, care for watersheds in the Lake Champlain basin, and promote ethical fishing practices to anglers. Many of our stewardship publications are outdated and reflect resources and recommendations that have since evolved. Development of new educational materials will center on one of our largest audiences – anglers. As climate warming intensifies, ethical fishing practices have become a priority. We plan to research and adapt messaging used in other areas experiencing these stressors to our region to develop best practices. The result will advise anglers of the most ethical fishing practices, how to limit their fishing times to reduce stress, and suggest species more suitable to hot-weather fishing than trout.

Outputs

- a refreshed design, printing, and distribution of selected existing print materials and to create a new brochure, workshop, and set of signs to reach anglers and local business patrons with important watershed messaging
- update and expand our stewardship materials to increase their relevance. These publications and print materials will reach the angling public, regional residents, and visitors alike
- hold a workshop to promote the ethical fishing practices outlined in the brochure
- develop watershed awareness signs in pilot business locations to increase watershed understanding and stewardship.

Outcomes:

- increase appreciation for the waters of the Ausable River watershed, encourage engagement with these waters, and inspire stewardship.
- increase awareness of the issues facing brook trout, the threats posed by a warming climate, and how anglers can minimize their impact

Organization: Ausable Freshwater Center
Contact Person: Madison Stroud
Mailing Address: 5698 NYS Route 86
Wilmington, NY 12997
Phone: 518-637-6859
E-mail: madison@ausablecenter.org
Website: ausablecenter.org

NEIWPCC Code: LS-2025-098
EPA: 0373-004-001
Start Date: 07/29/2025
Close Date:
Grant Amount: \$14,998.00
Non-federal Match: \$1,527.00
Total Amount: \$16,525.00

2024 Small Implementation Grant

in progress

Engaging All in Lake and Pond Shoreland Restoration: A Pilot Project Based on the Lake Eden Watershed Action Plan

Project Summary

Through this project, the Lake Eden Association, residents of Eden and Lowell, and the Lamoille County Conservation District will follow through with implementation of critical recommendations of the 2019 Lake Eden Watershed Action Plan. Specifically, we will restore native shoreland and upland vegetation that not only protects water quality but also supports native fish and wildlife populations. We will accomplish this goal through a combination of shoreland restoration activities, environmental education workshops and family-friendly celebrations. Specific outcomes of this project will include increased community stewardship of the Lake Eden watershed, active participation by families in shoreland restoration, and engagement by K – 12 students in fish and wildlife habitat improvement.

Outputs:

- three family oriented, lake-focused adventures
- Lake-friendly landscaping workshop
- buffer for Blue Lakes consultations and plantings
- facilitate meeting of Lakeshore Drive homeowners
- first and second annual family lake celebrations
- headwater lake restoration internships
- environmental education and headwater lake restoration workshops

Outcomes:

- increased community stewardship of the Lake Eden watershed
- active participation by families in shoreland restoration
- engagement by K – 12 students in fish and wildlife habitat improvement.

Organization: Lake Eden Association

Contact Person: Perry Thomas

Mailing Address: PO Box 213
Eden VT 05652

Phone: 802-279-5865

E-mail: northpointeden@gmail.com

Website: <https://www.lakeeden.org/>



A before view of shoreland at 78 Barrows Lane on Lake Eden. This is the site where we will hold our September 2024 Lake-friendly Landscaping Workshop. By replacing lawn with exemplary native tree, shrub, and perennial plantings, the project will improve terrestrial and littoral (shallow water) habitat, deter Canada geese, and buffer runoff from a neighboring slope.

Photo: Perry Thomas, October 2023.

NEIWPCC Code: LS-2024-108

EPA 0368-004-001

Start Date: 8/12/2024

Close Date:

Grant Amount: \$12,600.00

Non-federal Match: \$11,300.00

Total Amount: \$23,900.00



2025 Education and Outreach Small

in progress

Expanding Sustainable Recreation for Underserved Communities

Project Summary

Lake Champlain Maritime Museum will increase and improve public access to Lake Champlain for sustainable recreational experiences, focusing on engaging with underserved communities. Lake Champlain Maritime Museum will hire an On-Water Educator to provide interactive, accessible, and engaging public interpretation and sustainable recreational on-water programs to increase understanding and appreciation of the natural, cultural, and historical resources of Lake Champlain. Through public programs located at the waterfront in North Harbor, the Educator will directly connect with approximately 1,000 of the Museum's 10,500+ annual visitors and provide meaningful, hands-on experiences. The Educator will provide programming for ten weeks during the Museum's peak season for visitation (mid-June - early September).

Outputs:

- On-Water Educator hired for 10 weeks, during peak summer visitation.
- Additional 40 hours of training provided to the On-Water Educator, including training in the ECHO Resource Room and cyanobacteria training provided through the Lake Champlain Committee.
- 5 public programs per week for 10 weeks during peak summer visitation.

Outcomes:

- Visitors will have a better understanding and appreciation of the importance of Lake Champlain and the impact of its health on the surrounding environments.
- Visitors will make personal decisions and choices that are healthier for the ecosystems and water quality of Lake Champlain.
- Visitors will feel empowered to be active stewards of Lake Champlain and take a deeper interest in legislative decisions that impact the lake.

Organization: Lake Champlain Maritime Museum
Contact Person: Katharine Noiva
Mailing Address: 4472 Basin Harbor Road
Vergennes, VT 05491
Phone: 802-475-2022
E-mail: Katharine@lcmm.org
Website: www.lcmm.org

NEIWPCC Code: LS-2025-115
EPA: 0373-004-001
Start Date: 09/09/2025
Close Date:
Grant Amount: \$15,000.00
Non-federal Match: \$1,450.00
Total Amount: \$16,450.00

2024 Small Implementation Grant

in progress

Guided Watershed Tours: Educational Outdoor Trips to Inspire Stewardship

Project Summary

The Ausable River Association's (AsRA) Guided Watershed Tours program engages residents and visitors in year-round interpretive outdoor recreation activities while also inspiring participants to be active stewards of their local environment. In 2024, with LCBP funds, AsRA will host 10 themed interpretive trips led by AsRA staff and guest naturalists: two spring tours, four summer tours, two fall tours, and two winter tours. In addition to the tours, this proposal includes the purchase of twelve magnifying hand lenses, which have been a highly requested item to borrow by past tour participants. All tour participants will receive informational brochures with actions they can personally take to improve the water quality of Lake Champlain, accompanied by LNT Ethics cards that include specific guidelines for recreationists to take while enjoying low-impact outdoor trips. Outcomes include participants engaged in naturalist education, personal stewardship, and low-impact recreation through tours.

Outputs:

- development and implementation of 10 themed interpretive trips led by AsRA staff and guest naturalists
- purchase of twelve magnifying hand lenses

Outcomes:

- participants engaged in naturalist education, personal stewardship, low-impact recreation through tours
- engagement of citizens with the natural world, learning the benefits of a healthy river, while also challenging them to consider the threats facing the river, the watershed, and the Lake Champlain Basin.

Organization: Ausable River Association

Contact Person: Carolyn Koestner

Mailing Address: PO Box 8
Wilmington NY 12997

Phone: 518-637-6859

E-mail: carolyn@ausableriver.org/

Website: <https://www.ausableriver.org/>



AsRA Watershed Tour participants enjoying a beautiful, guided paddle on Lake Everest.

NEIWPCC Code: LS-2024-084

EPA 0368-004-001

Start Date: 7/18/2024

Close Date:

Grant Amount: \$14,946.00

Non-federal Match: \$ 2,300.00

Total Amount: \$17,246.00



2024 Small Implementation Grant

in progress

HAB Awareness Campaign in Lake Champlain Basin Communities

Project Summary

The project, HAB Awareness Campaign in Lake Champlain Communities, will increase the public's knowledge and provide access to tools for reporting and responding to harmful algal blooms (HABs) in the Lake Champlain Basin of New York State.

Outputs:

- reaching more than 500 people through digital media and in-person outreach events and activities in the summer of 2024.
- Media produced will include an educational video, three blog posts, an updated HAB webpage on AWI's website, campaign rack cards and stickers, and a social media campaign.
- Materials will be distributed through AWI's digital communication channels and partner network, as well as in-person events, including attendance at 3-5 farmers' markets or regional celebrations, at least two public presentations, and two guided canoe trips in Basin communities
- AWI's watercraft inspection stewards will be trained on how to identify HABs, how to speak to the public about the risks of HABs, and ways to report HABs.

Outcomes:

- members of the public being more informed about the growing presence and impacts of HABs in our region and being engaged in mitigation and responses to this growing threat.

Organization: PSC AWI

Contact Person: Tom Collins

Mailing Address: PO Box 265, Routes 86 & 30
Paul Smiths, NY 12970

Phone: 518 327-3155

E-mail: tcollins1@paulsmiths.edu

Website: paulsmiths.edu



AWI's Chief Scientist, Dr. Brendan Wiltse, delivering a presentation on Harmful Algal Blooms during the 4th annual Adirondack Water Week (August 2023) at the Northwood School in Lake Placid, NY.



NEIWPCC Code: LS-2024-131
EPA 0368-004-001
Start Date: 9/28/2024
Close Date:
Grant Amount: \$15,000.00
Non-federal Match: \$ 5,223.00
Total Amount: \$20,223.00

2024 Small Implementation Grant

concluded

Hands-on Maritime Exploration Programs

Project Summary

The objective of Immersive Maritime Exploration Programs is to provide students in the Lake Champlain Basin with an appreciation of the lake's Revolutionary War naval history through hands-on learning about maritime trades. This will build critical thinking skills among future stewards of Lake Champlain and the cultural heritage of this region.

Outputs:

- 20 *Maritime Artificer's Apprentice* programs to over 700 students from across the Lake Champlain Basin.

Outcomes:

- build critical thinking skills among future stewards of Lake Champlain and the cultural heritage of this region

Organization: The Fort Ticonderoga Association

Contact Person: Martha Strum

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Ticonderoga, NY 12883

Phone: 518-585-2821

E-mail: mstrum@fort-ticonderoga.org

Website: fort-ticonderoga.org



NEIWPCC Code: LS-2024-094
EPA 0368-004-001
Start Date: 9/13/2023
Close Date: 6/17/2025
Grant Amount: \$14,810.00
Non-federal Match: \$11,196.00
Total Amount: \$17,510.00

2022 Small Implementation Grant

in progress

Late Night for Lake Champlain! Building Lake Champlain Awareness through Transformative Entertainment and Comedy

Project Summary

This project expands the reach of the Center for Earth and Environmental Science's Late Night for the Planet (LN4TP) talk/game show through partnership, assessment and the purchase of digital video production equipment. With this grant the team will: purchase audio/video equipment to enhance the live stream/digital presence of LN4TP; Create pop-up LN4TP experiences called *Late Night for Lake Champlain* (LN4LC) with partners such as SeaGrant, Adirondack Watershed Institute, Adirondack North Country Association, the Lake Champlain Maritime Museum, ECHO and others; Assess the impact of LN4TP/LN4LC on the audience and on our student production team; Develop a business plan for LN4TP/LN4LC by partnering with faculty and students in SUNY Plattsburgh's Marketing and Entrepreneurship program

Outputs:

- purchase audio/video equipment to enhance the live stream/digital presence of LN4TP
- create pop-up LN4TP experiences called *Late Night for Lake Champlain* (LN4LC) with partners such as SeaGrant, Adirondack Watershed Institute, Adirondack North Country Association, the Lake Champlain Maritime Museum, ECHO and others
- development of professional skills such as public speaking, project management, collaboration, facilitation and audio/video production.

Outcomes:

- expands the reach of the Center for Earth and Environmental Science's Late Night for the Planet
- greater awareness of local environmental challenges, promote and appreciate the work of local environmental professionals, and encourage personal behavior change.

Organization: Research Foundation for the State University of New York

Contact Person: Curt Gervich

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147 Hudson Hall, Plattsburgh NY, 12901

Phone: 518-564-4030

E-mail: cgerv001@plattsburgh.edu

Website: plattsburgh.edu



NEIWPCC Code:	LS-2022-082
EPA	0357-004-001
Start Date:	9/29/2022
Close Date:	
Grant Amount:	\$14,551.00
Non-federal Match:	\$16,829.00
Total Amount:	\$31,380.00

2023 Small Implementation Grant

in progress

LCC “Don’t P On Your Lawn” Campaign

Project Summary

LCC will work with the Lawn to Lake partners, community members, and other agencies and partners to create and implement the “Don’t P On Your Lawn” campaign to educate property owners about the legal requirements that a soil test is needed to show a lawn needs phosphorus before you can apply it. Adding phosphorus to lawns that don’t need it wastes money, resources, and degrades water quality. Getting a soil test is an easy act of stewardship that everyone who has a lawn can readily undertake.

Outputs:

- Campaign strategy outline and schedule
- Press releases and media outreach
- Updated “Don’t P On Your Lawn” rack cards, fliers, and signage for stores
- Toolkit for community outreach volunteers with background information, rack cards and fliers, sample social media posts, and sample Front Porch Forum posts
- Lake Look columns reinforcing the messages about “Don’t P On Your Lawn”
- Mailings and emails to community members
- Updated website content

Outcomes:

- increased awareness about and compliance with the law requiring a soil test before applying phosphorus-based fertilizer to lawns
- reduction of phosphorus

Organization: Lake Champlain Committee (LCC)

Contact Person: Lori Fisher

Mailing Address: 208 Flynn Ave. Building 3
Studio 3F, Burlington, VT 05401

Phone: (802) 658-1421

E-mail: lorif@lakechamplaincommittee.org

Website: <https://www.lakechamplaincommittee.org>



LCC will work with Lawn to Lake partners to help raise awareness about why it’s important not to “P” on your lawn. Photo from Lake Champlain Committee.

NEIWPCC Code: LS-2023-069

EPA 0364-004-001

Start Date: 9/1/2023

Close Date:

Grant Amount: \$15,000.00

Non-federal Match: \$ 5,630.00

Total Amount: \$20,630.00



2025 Education and Outreach Small

in progress

Love your lakes video clips

Project Summary

A significant fraction of Vermont's citizens live on or enjoy recreation on Vermont Lakes. The goal of this project is to educate this group about what they can do, as individuals, to help preserve this vital resource that they enjoy. This will be done through the creation and distribution of a 3 minute video entitled "What can WE do to preserve Vermont Lakes" as well as multiple 15-60 second short-form videos available for distribution on multiple platforms. The topics covered will be detailed in the final workplan, but may include: work with greeters to clean, drain and dry your boat to prevent spread of invasive; reduce runoff by creating no mow zones in your yard; volunteer opportunities in stream and lake water monitoring; joining and participating in lake associations and stream watch groups; obeying the 200' shoreline buffer rule. The video will be distributed to schools in early 2026 and to local TV stations for airing during Vermont Lake Month in July, 2026, as well as on the FOVLAP website and social media outlets.

Outputs:

- A three minute educational video promoting individual actions to care for Vermont Lakes. and shorter segments for distribution in PSAs.

Outcomes:

- Knowledge and awareness of lake stressors and encouragement for individual actions aimed at improving water quality and resilience of Vermont lakes.

Organization: The Federation of Vermont Lakes and Ponds (FOVLAP)

Contact Person: David Johnson

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Hinesburg, VT 05461

Phone: 609-203-9242

E-mail: dave.johnson@vermontlakes.org

Website: vermontlakes.org

NEIWPCC Code: LS-PO-2025-084

EPA: 0373--004-001

Start Date: 07/01/2025

Close Date:

Grant Amount: \$15,000.00

Non-federal Match: \$2,850.00

Total Amount: \$17,850.00

2024 Small Implementation Grant

in progress

Mad River Valley Conservation and Recreation Visioning Project

Project Summary

The Mad River Valley Conservation & Recreation Visioning (CRV) project is a collaboration between over a dozen local organizations to determine how best to balance ecological integrity and outdoor recreation in our watershed. Based on community feedback, ongoing discussions between stakeholders, and consultant-supported mapping and research, CRV aims to develop maps and a set of shared goals and guiding principles that together will provide a route forward for our community to achieve this balance. These guiding materials depend on a mutual foundation of learning and understanding, which CRV will help build through a series of public outreach events (including Community Learning Sessions and Community Forums) and stakeholder meetings.

Outputs:

- 3 community forums with report, TV/print materials, social media posts
- 2 community learning sessions

Outcomes:

- balanced ecological integrity and outdoor recreation in our watershed

Organization: Mad River Valley Recreation District

Contact Person: Emily Friedman

Mailing Address: 4144 Main St
Waitsfield, VT 05673

Phone: 203-451-9920

E-mail: madrivercrv@gmail.com

Website: www.mrvrd.org/about-crv



In June 2023, the Conservation and Recreation Visioning Project hosted its first Community Forum at the Pavilion at the Laureau Farm Inn in Waitsfield, VT. A community potluck preceded the event and this image shows the variety of contributions, from wood-fired pizza courtesy of American Flatbread to delicious baked goods. Following the potluck, attendees participated in a broad discussion around the ecological and recreational assets of the Valley. The Community Forum served as the first in a set of 3 to be held by the end of 2024.

NEIWPCC Code: LS-2024-096

EPA 0368-004-001

Start Date: 8/7/2024

Close Date:

Grant Amount: \$ 7,500.00

Non-federal Match: \$34,127.00

Total Amount: \$41,627.00



2024 Small Implementation Grant

in progress

Mad River Watershed Community Engagement: Partnership for Climate and Ecological Resilience

Project Summary

This grant will support two emerging programs, our Climate & Watershed Book Club and our Climate & Ecology Expert Series, as well as one of our upcoming Community Climate Forums. Outputs of this grant will include 12 Book Club meetings, 12 Expert Series events, and one larger community forum. Outcomes of this project are to inform and educate the Mad River community about the watershed and to deepen the partnerships that allow us to reach a broader and more diverse audiences.

Outputs:

- 12 Book Club meetings
- 12 Expert Series events
- one larger community forum

Outcomes:

- inform and educate the Mad River community about the watershed
- deepen the partnerships that allow us to reach a broader and more diverse audiences.

Organization: Friends of the Mad River

Contact Person: Ira Shadis

Mailing Address: 4061 Main Street
Waitsfield VT 05673

Phone: 802-496-9127

E-mail: info@friendsofthemadriver.org

Website: www.friendsofthemadriver.org



The Climate and Ecology Book Club meets once a month at libraries around the Mad River Watershed. Credit: Onome Ofoman



NEIWPCC Code: LS-2024-093

EPA 0368-004-001

Start Date: 7/11/2024

Close Date:

Grant Amount: \$14,786.00

Non-federal Match: \$ 1,697.00

Total Amount: \$16,483.00

2025 Education and Outreach Small

in progress

Mad Watershed School Partnership

Project Summary

Friends of the Mad River (FMR) is continuing its watershed education partnership with the Harwood School District, providing hands-on, community & place-based learning opportunities for students and teachers to deepen their understanding and stewardship of the Mad River Watershed. Specific curriculum and activities will be built through summer and winter workshop series that will host local teachers to co-develop watershed learning opportunities that fit within existing constraints and priorities of each school. FMR will leverage its role in the broader community to connect students with key partners, ensuring their learning is grounded in both scientific expertise and local knowledge of the watershed. Through this partnership, the Harwood school district teachers will also gain a deepened understanding and commitment to watershed education, while school administration will grow in its understanding of watershed stewardship activities that can be undertaken on school properties.

Outputs:

- Curriculum, teacher participation in workshop, school partnership calendar, project launch press release
- List of key partners, Updated Lesson plans, Calendar of partner-led student engagement activities
- Up to 175 students participate in direct watershed learning, host summative field day, fall press release
- Up to 175 students participate in direct watershed learning, host summative field day, spring press release
- Quarterly Reports, Approved Final Report, Data and photos submitted, Project metrics report

Outcomes:

- student body that is better informed about the biological and physical conditions of the watershed, the decision-making processes that impact our relationship to these conditions, and clear opportunities for stewardship of watershed health.

- local schools deepen their commitment to watershed stewardship on their own properties by highlighting opportunities for thoughtful management

Organization: Friends of the Mad River
Contact Person: Ira Shadis
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Waitsfield, VT 05673
Phone: 802-496-9127
E-mail: info@friendsofthemadriver.org
Website: <https://www.friendsofthemadriver.org/>

NEIWPCC Code: LS-2025-086
EPA: 0373-004-001
Start Date: 06/30/2025
Close Date:
Grant Amount: \$14,792.00
Non-federal Match: \$6,670.00
Total Amount: \$31,800.00

2025 Education and Outreach Small

in progress

Maple Education in Franklin County

Project Summary

This project will build upon FCNRCD's 2024 Maple Educational Workshop Series and Watershed 101 field trips with three educational events for maple producers and three maple-themed field trips with Franklin County schools, with the goals of increasing Franklin County students' knowledge of working landscapes and environmental stewardship, improving practices on working lands owned by maple producers, and increasing awareness on water quality, sustainable sugar bush management, and climate resilience.

Given Vermont's prominence in the United States maple industry and the prevalence of maple operations in Franklin County, FCNRCD is well-positioned to reach a wide number of producers and therefore improve awareness and implementation of environmental solutions across a large portion of Vermont's sugaring landscape. There is a need for educational materials and events that specifically address maple producers' questions and concerns. FCNRCD's Maple Producer Workshops will address these concerns by creating space for sugar makers to discuss land stewardship with experts in water quality, forestry, and other topics. In conjunction with this, this project's maple field trips will educate youth on environmental stewardship topics in the context of Vermont's working landscape, including water quality, flood resilience, and forest management. To support the success and longevity of the maple industry, these field trips introduce potential future land stewards to land management and economic opportunities. Students will experience hands-on activities at local sugar bushes that allow them to gain inspiration from working land stewards in their local communities.

The approach of this project is consistent with existing management plans for the Missisquoi, Lamoille, and North Lake Direct Drainage Basins. The Missisquoi Bay Basin 2021 Tactical Basin Plan, the Lamoille River 2021 Tactical Basin Plan, and the Northern Lake Champlain Direct Drainages 2020 Tactical Basin Plan.

Organization: Franklin County Natural Resources
Conservation District
Contact Person: Lauren Weston
Mailing Address: 50 South Main Street
St Albans, VT 05478
Phone: 802-582-3133
E-mail: lauren@franklincountynrcd.org
Website: <https://franklincountynrcd.org/>

Outputs:
3 public workshops, 3 maple-themed field trips, and 4 landowner AMP and water quality site visits with FCNRCD staff.

Outcomes:
increased public awareness and knowledge of environmental topics related to maple production, improved connections between current and future working lands stewards across generations, an increase in public stewardship ethic, and ultimately improved AMP adoption, reducing phosphorus inputs from forest lands by Franklin County's maple operations.

NEIWPCC Code: LS-2025-076
EPA: 0373-004-001
Start Date: 05/30/2025
Close Date:
Grant Amount: \$14,955.00
Non-federal Match:
Total Amount: \$14,955.00

2024 Small Implementation Grant

concluded

Maple Educational Workshops

Project Summary

This project will fill a gap in the forestry and agriculture space by creating and coordinating four educational events for maple producers, with the goal of improved land stewardship practices and increased awareness on water quality, soil health, and economic viability. These workshops will also be used to connect with four maple producers in Franklin County for site visits to assess and discuss Acceptable Management Practices (AMP) adoption and water quality recommendations specific to each individual producer's land. The expected outcomes are increased public awareness and knowledge of environmental topics related to maple production, an increase in public stewardship ethic, and ultimately improved Best Management Practices adoption on Franklin County's working forested lands.

Outputs:

- 4 educational workshops
- Purchase materials for workshops. Produce and distribute advertising materials: 1 event flyer, 5 social media posts, 2 blog posts, 1 email blast, and 1 website page
- 4 Maple Producer Site Visits

Outcomes:

- improved land stewardship practices
- increased awareness on water quality, soil health, and economic viability
- improved Best Management Practices adoption on Franklin County's working forested lands.

Organization: Franklin County NRCD

Contact Person: Lauren Weston

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St. Albans, VT 05478

Phone: 802-528-4176

E-mail: lauren@franklincountynrcd.org

Website: franklincountynrcd.org



Lake Carmi community members listen to Matt Vaughan present on lake chemistry and biology at the fourth Franklin County NRCD educational Watershed Workshop in Summer 2023.

NEIWPCC Code: LS-2024-088
EPA 0368-004-001
Start Date: 6/28/2024
Close Date: 6/30/2025
Grant Amount: \$14,065.00
Non-federal Match:
Total Amount: \$14,065.00



2025 Education and Outreach Small

in progress

North Country Stormwater Tradeshow and Conference

Project Summary

CWICNY will host the 20th North Country Stormwater Tradeshow and Conference to provide an educational opportunity for stormwater professionals working within the Lake Champlain Basin and will develop long term marketing materials while building stronger educational watershed capacity and outreach.

CWICNY will host the 20th North Country Stormwater Tradeshow and Conference to provide an educational opportunity for stormwater professionals working within the Lake Champlain Basin and will develop long term marketing materials while building stronger educational watershed capacity and outreach.

Outputs:

- 2025 North Country Stormwater Tradeshow and Conference, an event held annually in October, conference agenda and educational handouts, conference photos, summary and final report.

Outcomes:

- continue holding an annual educational conference that is of interest to a wide variety of individuals throughout the watershed, to increase the number of conference attendees, and to provide this educational opportunity to a greater number of residents, professionals, and municipalities throughout the Lake Champlain Basin.

Organization: Champlain Watershed Improvement Coalition of New York
Contact Person: Jillian Zajac
Mailing Address: 6064 Route 22
Plattsburgh, NY 12901
Phone: 518-561-4616
E-mail: jillian.zajac@ccsoil-water.com
Website: www.cwicny.org

NEIWPCC Code: LS-PO-2025-074
EPA: 0373-004-001
Start Date: 05/21/2025
Close Date:
Grant Amount: \$15,000.00
Non-federal Match: \$11,785.00
Total Amount: \$26,785.00

2024 Small Implementation Grant

concluded

North County Stormwater Tradeshow and Conference Educational Outreach Event

Project Summary

The North Country Stormwater Tradeshow and Conference is an educational event for municipal employees, engineers, landscape architects, and other stormwater professionals. The event has been hosted and organized by the Champlain Watershed Improvement Coalition of New York (CWICNY) for 17 years. The event was held in person for the first time since 2019 with nearly 100 attendees and presenters from state agencies, educational institutions, nonprofit organizations, and local municipalities. Thirty seven (37) attendees received continuing education credits from the Practicing Institute of Engineering (PIE), 13 received CPECS credits (certified professional in erosion and sediment control), 11 received credits for municipal planning board and zoning board of appeals training, and seven (7) code enforcement officers were in attendance.

Outputs:

- develop session content/schedule
- create educational handouts and conference packets
- 37 attendees received continuing education credits from the Practicing Institute of Engineering, 13 received CPECS credits (certified professional in erosion and sediment control), 11 received credits for municipal planning board and zoning board of appeals training, and seven (7) code enforcement officers were in attendance.
- held annual conference October 20, 2022 - 100 attendees with six presentations from representatives from state agencies, and private engineering and consulting firms

Outcomes:

- promotion of watershed protection and stormwater best practices in the Lake Champlain Basin

Organization: CWICNY

Contact Person: Allison Hargrave-Gaddy

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Lake George, New York 12845

Phone: 518-668-5773

E-mail: Allison.gaddy@lclgrp.org

Website: www.cwicny.org



Steve Ovitt, WMP, presents at the 2022 North Country Stormwater Tradeshow and Conference October 20, 2022



NEIWPC Code: LS-2024-086
EPA 0368-004-001
Start Date: 7/10/2024
Close Date: 1/29/2025
Grant Amount: \$15,000.00
Non-federal Match: \$11,785.00
Total Amount: \$26,785.00

2024 Small Implementation Grant

in progress

Northern Lake Champlain Shoreline Socials Event Series 2024

Project Summary

By utilizing the expertise of regional watershed groups, local environmental consulting firms, and the Vermont DEC's Lake Wise Program, we plan to continue educating shoreline residents about the importance of protecting and enhancing water quality, and what they can do to protect the shoreline on their property. We'll build upon our previous Shoreline Social model.

Outputs:

- two in-person events to share Lake Wise and bioengineering practices
- one tour of a certified Lake Wise site
- two winter webinars to support landowners in planning for landscaping and other projects addressing best management practices on their properties.

Outcomes:

- greater awareness and knowledge among shoreline property owners about the importance of improving water quality and what they can do to protect the shoreline on their property
- educated, informed, and more engaged citizenry about practices that will capture runoff and reduce erosion along shorelines

Organization: Friends of Northern Lake Champlain

Contact Person: Bridget Butler

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St. Albans, VT 05478

Phone: 802-881-7845

E-mail: aspasyk@friendsofnortherlakechamplain.org

Website: <https://www.friendsofnorthernlakechamplain.org/>



Over the past two years, FNLC has convened local shoreline landowners to learn more about bioengineering practices that will benefit Lake Champlain.



NEIWPCC Code: LS-2024-102
EPA 0368-004-001
Start Date: 8/23/2024
Close Date:
Grant Amount: \$14,813.00
Non-federal Match: \$ 1,463.00
Total Amount: \$8,282.00

2025 Education and Outreach Small

in progress

Outfitting the Fleet for Freedom at Ticonderoga

Project Summary

Families will have the hands-on experience of building the gondola *New York*, through hands-on exploration recreating components of this vessel of the 1776 American fleet on Lake Champlain as part of Fort Ticonderoga's REAL TIME REVOLUTION™ maritime trades program, celebrating 250th Anniversary milestones in the Revolutionary War. As families learn and apply the maritime trades' skills to fashioning frame pieces, sails, and the like, they will be inspired by the sheer scale and skill of building this fleet and the naval fight for Lake Champlain in 1776. Through this project, families will discover Ticonderoga's own role in outfitting, arming, and crewing all the vessels of the American fleet. Fort Ticonderoga will connect Lake Champlain's historic resources and heritage to the national semiquincentennial, underscoring Ticonderoga's connections to other Revolutionary War naval sites across Lake Champlain and our shared story.

Outputs:

- produce components of the American gondola *New York*, including wooden framing pieces, rigging, and sails. The construction of these pieces would serve as the basis for hands-on interpretation of the American fleet on Lake Champlain as would the pieces themselves. In subsequent maritime projects, the components of this vessel could serve as the foundation for a full-scale reproduction of the vessel.

Outcomes:

- raise public awareness of Lake Champlain's role in the Revolutionary War.
- inspire families with the creation and service of the American fleet on the lake, tangibly capturing the scale of this feat and its connections to cultural heritage throughout the basin.
- increase public pride in the cultural heritage of our basin and through this, encourage their continued stewardship of this heritage and the watershed.

Organization: The Fort Ticonderoga Association

Contact Person: Martha Muir Strum

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Ticonderoga, NY 12883

Phone: 518-585-2821

E-mail: mstrum@fort-ticonderoga.org

Website: www.FortTiconderoga.org

NEIWPC Code: LS-2025-092

EPA: 0373-004-001

Start Date: 07/30/2025

Close Date:

Grant Amount: \$15,000.00

Non-federal Match: \$37,595.00

Total Amount: \$52,595.00

2025 Education and Outreach Small

in progress

Outreach and Education for Safe River Recreation

Project Summary

Development and distribution of print and digital materials to help people become aware of the risks recreating at swimming holes and paddling sites (eg. water quality, high flows, temperature), understand how to mitigate those risks, and have positive experiences enjoying Vermont's waterways – ultimately educating people about the basin's water quality issues through a lens of recreation AND helping people positively connect with waterways across the basin. Top communications river recreation safety priorities: Life Jackets; Reckless Behavior; Leave No Trace (for rivers); Know before you go.

Outputs:

- Create and distribute print materials, with an emphasis on reaching families (especially middle-school-aged kids)
- Lead digital communications efforts, especially to reach geographically targeted audiences, social media and blog posts, press releases
- Create and distribute posters to display at outfitters and public spaces and bookmarks
- Oversee timely distribution of text and visual tools to partners

Outcomes:

- Build awareness of the Lake Champlain Basin through informal learning across all communities
- develop among residents and visitors an understanding of and appreciation for natural and cultural resources, the related threats, and the priority actions needed to address them.
- recreation-based messaging will be a vehicle to help people make links to much bigger issues such as climate change, When people make connections between climate change, floods, clean water... and how these issues impact their lives (as recreators) – it will foster support for river corridor easements, floodplain restoration, wetlands protections, dam removals, and more.

Organization: Vermont River Conservancy
 Contact Person: Kassia Randzio
 Mailing Address: 29 Main Street, Unit 11
 Montpelier, VT 05602
 Phone: 802-229-0820
 E-mail: kassia@vermontriverconservancy.org
 Website: www.vermontriverconservancy.org

NEIWPCC Code: LS-2025-077
 EPA: 0373-004-001
 Start Date: 05/30/2025
 Close Date:
 Grant Amount: \$14,996.00
 Non-federal Match:
 Total Amount: \$14,996.00

2025 Education and Outreach Small

in progress

Riparian River Camps for children aged 6-12

Project Summary

To offer summer camps in Stanbridge East, Quebec, designed to engage all children, including those with autism, in S.T.E.A.M.- (science, technology, engineering, arts & math) based activities. These camps teach participants about the importance of healthy rivers, how to protect them, and the role of replanting riparian zones to preserve these vital ecosystems for future generations. This grant will make the camp accessible to families by subsidizing costs, crucial in Stanbridge East, where household incomes are below the regional norm and agriculture dominates the economy. The camp's focus on riparian restoration connects directly to participants' daily lives, highlighting the impact of agricultural practices on waterways and fostering dialogue with farmers about clean water and conservation. **Le Noyau Education** will share the camp curriculum and trading card project with local English and French schools in Bedford and Notre-Dame-de-Stanbridge, providing ready-made content for teachers. This ensures program sustainability and expands its impact, promoting lasting environmental awareness and education across multiple communities.

Outputs:

- Youth will engage with the river to learn about ecosystem services like water purification, biodiversity support, and climate regulation.
- Activities will focus on vernal pools and flowing rivers, highlighting their roles in flood mitigation, nutrient cycling, and species habitat.
- With OBVBM's guidance, youth will explore how macro-invertebrates indicate water quality and contribute to biodiversity.
- Participants will plant saplings, understanding the ecosystem services of riparian zones, such as soil stabilization, erosion reduction, and water quality improvement.
- Cards will represent ecosystem services provided by macro-invertebrates, trees, and riparian zones, promoting peer learning that marks their environmental action.

Organization: Le Noyau Education
Contact Person: Teprine Baldo
Mailing Address: 97 ch de Riceburg
Stanbridge East, QC J0J2H0
Phone: 450-521-0726
E-mail: teprine@lenoyau.com
Website: www.lenoyau.com

- Youth-designed panels will educate the public on the value of local ecosystems, fostering conservation action and broader awareness.

Outcomes:

- Youth learn riparian restoration and nutrient management, fostering behaviors that reduce runoff and protect water quality. Tree planting and macroinvertebrate studies improve understanding of biodiversity and ecosystem functions.
- Informational panels and QR codes promote conservation, engaging locals and visitors in ecosystem stewardship.
- Strengthened connections between youth, elders, and organizations enhance community involvement in watershed protection.
- Trading cards amplify youth-to-youth conservation messaging, inspiring broader environmental action.
- At least 100 community members are directly engaged through outreach and presentations, fostering a culture of environmental responsibility.
- Youth are introduced to the Environmental, Social, and Governance framework, linking local actions to global SDG goals.

NEIWPCC Code: LS-PO-2025-094
GLFC: 0100-340-004
Start Date: 07/03/2025
Close Date:
Grant Amount: \$14,887.00
Non-federal Match: \$5,000.00
Total Amount: \$19,887.00

2025 Education and Outreach Small

in progress

Science Communication through the Arts in the Lake Champlain Basin

Project Summary

The Science Communication through the *Arts in the Lake Champlain Basin* project will engage students in a course focused on environmental challenges in the Lake Champlain watershed that combines watershed science and data with artistic expression to enhance science communication skills. The Paul Smith's College Adirondack Watershed Institute (AWI) will develop a hands-on science communication course integrating water quality science and data with artistic expression. In this program, AWI will collaborate with 12 upper-level undergraduate students to explore challenges in the Lake Champlain Basin, identify solutions, and create twelve individual data-art pieces. These works will contribute to Wool and Water, a larger data-art project. This unique course will guide students in scientific communication and artistic techniques while taking them on a two-day immersive tour of the Lake Champlain watershed.

Outputs:

- 12 upper-level undergraduate students at Paul Smith's College enrolled in the course, direct partnerships with 4 community partnering organizations at The Wild Center, ADK ArtRise, Talking Wings, and Talking Rivers, 12 completed artistic projects that communicate water quality and environmental change in the Lake Champlain watershed, 12 projects featured on AWI's website, 3 social media posts that highlight the course, 12 blog posts created by students that highlight the topic they are focusing on, and copies of all course materials, lesson plans, and presentations.

Outcomes:

- As a result of this project, 12 upper-level undergraduate students at Paul Smith's College will gain professional training as educators, equipping them to effectively communicate about Lake Champlain-related topics. The display of their artistic projects will reach hundreds, fostering a more informed and engaged public.

Organization: Paul Smith's College Adirondack Watershed Institute
 Contact Person: Tom Collins
 Mailing Address: Paul Smith's College, PO Box 265
 Paul Smiths, NY 12970
 Phone: 518-327-6145
 E-mail: tcollins1@paulsmiths.edu
 Website: <https://www.adkwatershed.org/>

- students will gain a deeper understanding of Lake Champlain's environmental issues, strengthen their connection to natural resource careers, and enhance their ability to communicate complex environmental challenges through art.
- strengthen community climate resilience efforts by actively involving young adults in crafting solutions and delivering impactful climate and environmental interpretations.

NEIWPCC Code: LS-2025-096
 EPA: 0373-004-001
 Start Date: 08/22/2025
 Close Date:
 Grant Amount: \$14,994.00
 Non-federal Match: \$4,684.00
 Total Amount: \$19,678.00

2024 Small Implementation Grant

in progress

The Giant Lake Champlain Basin Map, Phase 3

Project Summary

The Giant Lake Champlain Basin Map Project is an initiative to bring the watershed into classrooms through hands-on lessons at a huge scale. Museum staff bring the Giant Map to schools throughout the Champlain Basin and lead lessons which increase students' understanding of and stewardship for the natural and cultural resources of Lake Champlain. With programs designed for multiple grade levels, the Giant Map opens possibilities for new spatial thinking skills as a kinetic learning experience. Students increase their understanding of topics relating to watershed health via their application on the Giant Map, including dispersal of microplastics, spread and prevention of invasive species, stewardship of interconnected waterways, and other critical lake health issues.

Outputs:

- visit 10 school and community sites at no charge
- engage with new and returning youth and educators
- develop 3 new lesson plans about watershed health for educators to use

Outcomes:

- increase students' understanding of and stewardship for the natural and cultural resources of Lake Champlain

Organization: Lake Champlain Maritime Museum

Contact Person: Megan Hill

Mailing Address: 4472 Basin Harbor Road
Vergennes VT 05491

Phone: 802-475-2022 ext. 102

E-mail: meganh@lcmm.org

Website: lcmm.org



Students with Museum staff seated on the Giant Map.



NEIWPCC Code: LS-2024-119
EPA 0368-004-001
Start Date: 8/29/2024
Close Date:
Grant Amount: \$15,000.00
Non-federal Match: \$ 5,075.00
Total Amount: \$20,075.00

2024 Small Implementation Grant

in progress

To Create a Traveling Exhibition about Abenaki History, Traditions and Heritage

Project Summary

Alnôbaiwi, in partnership with the Abenaki Community, will create a traveling exhibition and presentations about Abenaki, tradition, history and legacy which will travel to schools and libraries and public buildings and sites in the Champlain Basin.

Outputs:

- meetings of Abenaki Community to form a committee to decide the elements and scope of the exhibition
- Design and creation of actual and online exhibition
- Outreach to schools, libraries, parks and public institutions in the Champlain Basin
- exhibit placements of varying lengths over two years (2025-2026) of the exhibition
- assessment reflection on the impact of the exhibition - possible adjustments for the future.

Outcomes:

- residents and visitors of the Lake Champlain Basin will have an increased understanding of how Abenaki people have contributed to the cultural heritage of the basin.

Organization: Alnôbaiwi

Contact Person: Patrick Lamphere

Mailing Address: 1 Ethan Allen Homestead

Phone: 802-242-1892

E-mail: patrick@alnobaiwi.org

Website: www.alnobaiwi.org



Alnôbaiwi Abenaki Exhibition in the Ethan Allen Homestead Museum. Photo credit David Schein



NEIWPCC Code: LS-2024-105

EPA 0368-004-001

Start Date: 9/11/2024

Close Date:

Grant Amount: \$15,000.00

Non-federal Match: \$15,000.00

Total Amount: \$30,000.00

2025 Education and Outreach Small

in progress

Vermont's Changing Climate: Climate Resilience Education for the Youth of Lamoille County

Project Summary

Educating and teaching climate resilience through action with the youth of Lamoille County. Connecting climate change to water quality and flooding along the Lamoille River. This project will provide education on climate change as it relates to the Lamoille River subwatersheds throughout the county, targeting the middle and high school youth. The program will be directed at this age group because they are entering the workforce or pursuing higher degrees during a time of change and environmental uncertainty. The objective of this climate change resilience program is to both educate and build resilience, but will also to inspire youth through action and connection to their communities. Classroom-based lessons will provide background and context, working from large overarching topics and narrowing down to local issues related to climate change such as flooding and water quality issues. This will culminate in a. By leveraging their newly acquired knowledge they will build resilience to the effects of climate change and be prepared to meet the changing world with tenacity and strength.

Outputs:

- Press releases, printed advertisements, and letters of commitment from public school educators
- A Climate Change and Flooding curriculum that will be available to all educators for free, and usable to LCCD for future education opportunities
- The results of entrance and exit tickets from students that will inform LCCD education staff on future programs so that we can constantly improve methods and pedagogy
- place-based field trip where youth will connect directly to their local environment and youth will choose an action project to share with their town, and they will complete during this time

Outcomes:

- Three classes of youth who are knowledgeable, resilient, and empowered to work and live in a world affected by climate change.

Organization: Lamoille County Conservation District
Contact Person: Willow Longo
Mailing Address: 109 Professional Drive
Morrisville, VT 05661
Phone: 802-521-3004
E-mail: willowl.lccd@gmail.com
Website:

- An informed public, based on the community-specific action that each group chose to educate and aid their town on climate change and thus build community resilience.
- 3-6 climate-informed educators, prepared to teach on climate change as it relates to their community using the tools (curriculum, observations, and experience) they gained during this program; 3) The town's watershed environment is positively and directly impacted by community action.
- Families and friends are educated and resilient because of information organically brought home and shared by youth.

NEIWPCC Code: LS-2025-099
EPA: 0373-004-001
Start Date: 08/22/2025
Close Date:
Grant Amount: \$14,224.00
Non-federal Match: \$3,049.20
Total Amount: \$17,272.80

2025 Education and Outreach Small

in progress

Watershed Education at Up Yonda Farm

Project Summary

Provide programming that connects watersheds, water quality, and environmental stewardship at Up Yonda Farm. Up Yonda Farm Environmental Education Center will provide educational programs that focus on connecting watersheds with water quality and the importance of environmental stewardship. Through hands-on activities with our EnviroScape model, TopoBox, and investigating the water quality of our pond, our watershed programs will connect watersheds with water quality and the importance of environmental stewardship to approximately 500 people.

Outputs:

- educational programs and hands-on activities
- number of schools, programs, and individuals.

Outcomes:

- long-term increase in the public's knowledge of watershed issues and changes in personal behavior.
- better understanding and appreciation of Lake Champlain Basin resources and threats.

Organization: Up Yonda Farm
Contact Person: Kristen Wilde
Mailing Address: 5239 Lake Shore Drive
Bolton Landing, NY 12814
Phone: 518-644-9767
E-mail: kwilde@warrencountydpw.com
Website: www.upyondafarm.com

NEIWPC Code: LS-PO-2025-093
EPA: 0373-004-001
Start Date: 07/24/2025
Close Date:
Grant Amount: \$5,850.00
Non-federal Match:
Total Amount: \$5,850.00



2024 Small Implementation Grant

in progress

Waterways Stage Collaboration 2024

Project Summary

Waterway Stage combines the power of the performance arts with the joy of scientific investigation to engage students and their communities in their local watersheds. The main goal of Waterways Stage is to increase the wellbeing of students, communities and our local watershed. We aim to engage students in their local ecosystems so that they may learn what is going on there, transform their discoveries into a play, and become artist-activists while performing their plays for the broader community.

Outputs:

- The YouTube documented plays allow family, friends and community to celebrate the science and educational storytelling of their participants' performances of their ten minute plays. The videos reach an audience of over 1000.
- Transportation Scholarships
- 50 kids in two camps one at River Arts in Morristown and the other at Very Merry Theatre Headquarters at 20 Allen Street in Downtown Burlington
- fall onboarding virtual meeting

Outcomes:

- educate and engage public about the natural and cultural heritage of the Lake Champlain Basin

Organization: Very Merry Theatre

Contact Person: Sarah Hewitt

Mailing Address: 395 Mac Miller Rd.
Morrisville Vt 05661

Phone: 802-989-8698

E-mail: shewitt@alumni.risd.edu

Website: <https://verymerrytheatre.org/>



Otter Valley Academy's performance.



NEIWPCC Code: LS-2024-110
EPA 0368-004-001
Start Date: 9/9/2024
Close Date:
Grant Amount: \$ 14,350.00
Non-federal Match: \$ 8,404.00
Total Amount \$22,754.00

2024 Small Implementation Grant

concluded

What the River Said: Reconciliation After the Floods of 2023

Project Summary

LCCD will work with four Lamoille County classrooms to provide them with a holistic and comprehensive flood resiliency program. Students will gain a better understanding of why floods occur, how the damage forms, what we can do to help reduce future flooding in an initial classroom visit. Then the class will take a half day fieldtrip to the Lamoille River to continue learning and explore the science of floods, all while sharing stories of the flood and our families, how we can together to recover as a community and how to move forward in a town along the banks of the Lamoille River.

Outputs:

- development of a new flood curriculum, ready to be implemented for future outreach opportunities within the LCCD or loanable to other organizations or teachers
- 4 classrooms enrolled and letters of commitment from the teachers
- Conduct 4 flood programs with 4 classes

Outcomes:

- students will gain a better understanding of why floods occur, how the damage forms, what we can do to help reduce future flooding
- involve and inform the public in flood resiliency

Organization: Lamoille County Conservation District and Nature Center

Contact Person: Emily Porter-Goff

Mailing Address: 109 Professional Dr, Suite 2
Morrisville VT 05661

Phone: 802-888-4935

E-mail: emilylccdedu@gmail.com

Website: lcnrcd.com



Topographical sculpture at Oxbow Park in Morrisville is a great teaching tool and example of where art meets science.

Photo: LCCD.



NEIWPCC Code: LS-2024-095

EPA 0368-004-001

Start Date: 6/28/2024

Close Date: 9/18/2025

Grant Amount: \$14,965.00

Non-federal Match: \$ 1,810.00

Total Amount: \$16,775.00

2024 Program Grant

in progress

Rives actives (Stream Wise) in Missisquoi Bay Basin in Quebec

Project Summary

OBVBM will participate in the 2024-2025 Stream Wise seasons in partnership with the Stream Wise Project Team and other Stream Wise Community Partners using Stream Wise program material in accordance with the Stream Wise Assessment Protocol. A goal of 10 Stream Wise Assessments will be conducted.

Outputs:

- Pre-season planning and attendance at Stream Wise training sessions 2024
- conduct Stream Wise Marketing campaign with 2 in-person and/or webinar events with participant list(s) and photo(s), social media posts, 10 printed messaging distributed., 100 landowners reached through outreach
- conduct Stream Wise Desktop and Field Visit Assessments 2024

Outcomes:

- engagement of landowners in riparian stewardship activities
- OBVBM has become a well-recognized resource for riparian restoration in Quebec

Organization: OBVBM

Contact Person: François Boilard

Mailing Address: 110 rue de la Rivière, #200
Bedford (Québec) Canada, J0J 1A0

Phone: (450) 248-0100

E-mail: pde@obvbm.org

Website: www.obvbm.org



2023 Stream Wise/Rives Actives award recipient



NEIWPCC Code: L-2024-042
GLFC 0100-339-004
Start Date: 4/3/2024
Close Date:
Grant Amount: \$14,965.00
Non-federal Match: \$ 1,300.00
Total Amount: \$16,265.00

2024 Program Project

concluded

Stream Wise 2024 Season in the Ausable River Watershed

Project Summary

The Ausable River Association looks forward to participating in the 2024 Stream Wise season in partnership with the Stream Wise Project Team and other Stream Wise Community Partners using Stream Wise program material in accordance with the Stream Wise Assessment Protocol. An estimated 7-8 Stream Wise Assessments will be conducted in the Ausable watershed (and surrounding watersheds if requested) in the 2024 season from June through October.

Outputs:

- attend Stream Wise trainings
- Create and distribute social media and print awareness campaign to spread the word and provide outreach to engage with stream and river property owners to participate in Stream Wise.
- conduct marketing campaign
- conduct destop and field visit assessments

Outcomes:

- engagement of landowners in riparian stewardship activities
- Ausable River Association has become a well-recognized resource for riparian restoration in New York

Organization: Ausable River Association

Contact Person: Carrienne Pershyn

Mailing Address: 1181 Haselton Road
Wilmington, NY 12997

Phone: 518.637.6859

E-mail: cpershyn@ausableriver.org

Website: www.ausableriver.org



2023 Stream Wise award recipient



NEIWPCC Code: LS-2024-036
EPA 0368-004-001
Start Date: 4/9/2024
Close Date: 12/16/2024
Grant Amount: \$15,000.00
Non-federal Match: \$ 1,715.00
Total Amount: \$16,715.00

2024 Program Grant

concluded

Stream Wise Award Program Development 2024

Project Summary

The Lake Champlain Basin Program (LCBP) developed a Stream Wise Award Program in the Lake Champlain Basin to educate and incentivize communities to engage in streamside stewardship activities with a consistent message and brand. The first phase of the Stream Wise Award Program was finalized in December of 2021. A field data collection app and desktop assessment atlas were created to support Stream Wise, as was a unified website for practitioners and the public. In 2022 the Stream Wise program consisted of two watershed organizations in VT and NY pilot-testing the program and then providing feedback to LCBP and the consulting team in order to create revisions to streamline the program's processes. Revisions were made to the field data collection app, Atlas, Assessment Protocol document, and associated materials. Suggestions for additional materials to develop were also given, in particular for outreach media and materials.

Outputs:

- Report Template revision and Translation to Google Slides
- Assess Criteria, Award Structure, Steward Program, and Outreach Approach
- New/Revised Outreach Materials for Events Toolkit
- Social Media spring through winter
- Branding, Communications, and Social Media, Desktop Assessment and Atlas, and Field Assessment Trainings
- Introduction to Stream Wise – Webinar

Outcomes:

- behavior change resulting from consistent messages that describe specific actions, the effect of the action, and seeing other people take action

Organization: Fluid Consulting

Contact Person: Dana Allen

Mailing Address: 48 Stowe Street
Waterbury, VT 05676

Phone: 802.999.9762

E-mail: dana@fluidstateconsulting.com

Website: www.fluidstateconsulting.com

- reduce stream bank erosion in the Lake Champlain Basin
- enhance and protect water quality, aquatic and riparian habitat, and increase flood resilience

NEIWPCC Code: L-2024-033

EPA 0368-004-001

Start Date: 4/25/2024

Close Date: 1/15/2025

Grant Amount: \$64,129.00

Non-federal Match:

Total Amount: \$64,129.00



2025 Stream Wise Community Partner Grants in progress

Stream Wise in the Ausable River Watershed, 2025

Project Summary

The Ausable Freshwater Center will participate in the 2025 Stream Wise season in partnership with the Stream Wise Project Team and other Stream Wise Community Partners using Stream Wise program material in accordance with the Stream Wise Assessment Protocol. An estimated 6-8 Stream Wise Assessments will be conducted in the Ausable watershed (and surrounding watersheds if need be).

Outputs:

- Training Attendance
- 4-6 social media posts
- 1-2 blog posts
- 2-4 email blasts
- 1 press release
- 100-150 printed messaging distributed
- 6-8 landowner assessments with associated reports
- Photos

Outcomes:

- better informed public about the importance of riparian buffers and ways to maintain, conserve, or improve this streamside area.
- improvement to riparian buffers may also work to improve water quality and aquatic habitat and increase flood resiliency in the associated stream.

Organization: Ausable Freshwater Center
Contact Person: Carrienne Pershyn
Mailing Address: 5698 NYS Route 86
Wilmington, NY 12997
Phone: 518-637-6859
E-mail: carrie@ausablecenter.org
Website: ausablecenter.org

NEIWPCC Code: LS-PO-2025-027
EPA: 0373-004-001
Start Date: 03/12/2025
Close Date:
Grant Amount: \$15,000.00
Non-federal Match: \$1,870.00
Total Amount: \$16,870.00

2025 Stream Wise Community Partner Grants in progress

Stream Wise in the Direct Lake & Missisquoi Watersheds

Project Summary

Friends of Northern Lake Champlain will participate in the 2025 Stream Wise season in partnership with the Stream Wise Project Team, the Grand Isle Natural Resource Conservation District, and other Stream Wise Community Partners using Stream Wise program material in accordance with the Stream Wise Assessment Protocol.

Outputs:

- Eight Stream Wise Assessments will be conducted.
- Direct mailing postcards
- Door hangers about the free assessments to leave if landowners aren't present during canvassing
- Social media posts
- Email blasts
- Press release

Outcomes:

- New relationships with landowners in our service areas
- Additional points of contact through local community events
- Better informed public overall

Organization: Friends of Northern Lake Champlain
Contact Person: Bridget A. Butler
Mailing Address: 6 Fairfield Hill Road
Saint Albans, VT 05478
Phone: 802-373-4147
E-mail: bbutler@friendsofnorthernlakechamplain.org
Website: www.friendsofnorthernlakechamplain.org

NEIWPCC Code: LS-PO-2025-032
EPA: 0373-004-001
Start Date: 3/12/2025
Close Date:
Grant Amount: \$14,961.00
Non-federal Match: \$2,974.00
Total Amount: \$17,935.00

2024 Program Project

concluded

Stream Wise in the Direct Lake & Missisquoi Watersheds

Project Summary

FNLC in partnership with GICNRCD will deliver four outreach events about Stream Wise at local libraries. The libraries will serve as collaborators, helping us reach a broader audience. They will provide an accessible and familiar space to community members for the events and access Stream Wise resources. We hope to reach 75 landowners, and 8 Stream Wise assessments. We'll wrap up our first year with an in-person celebration for the landowners who have participated in a Stream Wise assessment

Outputs:

- attend Stream Wise trainings
- Create and distribute social media and print awareness campaign to spread the word and provide outreach to engage with stream and river property owners to participate in Stream Wise.
- conduct marketing campaign
- conduct desktop and field visit assessments

Outcomes:

- engagement of landowners in riparian stewardship activities
- Friends of Northern Lake Champlain has become a well-recognized resource for riparian restoration in Vermont

Organization: Friends of Northern Lake Champlain

Contact Person: Bridget Butler

Mailing Address: PO Box 1145
Saint Albans, VT 05478

Phone: 802-522-2135

E-mail: bbutler@friendsofnorthern
lakechamplain.org

Website: friendsofnorthernlakechamplain.org



FNLC has provided similar outreach in their Shoreline Socials which focuses on Lake Wise practices for shoreline landowners.



NEIWPCC Code: LS-2024-041
EPA 0368-004-001
Start Date: 4/3/2024
Close Date: 2/3/2025
Grant Amount: \$14,779.00
Non-federal Match: \$ 2,185.00
Total Amount: \$16,964.00

2025 Stream Wise Community Partner Grants in progress

Stream Wise in Franklin County, Vermont, 2025

Project Summary

Franklin County Natural Resources Conservation District will participate in the 2025 Stream Wise season in partnership with the Stream Wise Project Team and other Stream Wise Community Partners using Stream Wise program material in accordance with the Stream Wise Assessment Protocol.

Outputs:

- Staff trained at Stream Wise training sessions
- 1 in-person event with participant count and photo(s), 10 Social media posts (5 original posts, 5 shared from partners), 2 blogs, 1 email blasts, 500 landowners reached through outreach
- 12 Landowners participating in Stream Wise and 12 Entries of Stream Wise assessments within the Fulcrum App
- Quarterly Reports, Approved Final report, Assessment data (pdf reports) and photos submitted, Project metrics report

Outcomes:

- A better informed public on stream stewardship
- Improved water quality throughout the watershed
- Well trained staff on stream stewardship

Organization: Franklin County Natural Resources Conservation District
Contact Person: Lauren Weston
Mailing Address: 50 South Main Street
St Albans, VT 05478
Phone: 802-582-3133
E-mail: lauren@franklincountynrcd.org
Website: <https://franklincountynrcd.org/>

NEIWPCC Code: LS-PO-2025-026
EPA: 0373-004-001
Start Date: 03/07/2025
Close Date:
Grant Amount: \$14,930.00
Non-federal Match:
Total Amount: \$14,930.00

2024 Program Project

concluded

Stream Wise in Franklin County, Vermont

Project Summary

Franklin County Natural Resources Conservation District (FCNRCD) will participate in the 2024 Stream Wise season in partnership with the Stream Wise Project Team and other Stream Wise Community Partners using Stream Wise program materials in accordance with the Assessment Protocol. Twelve Stream Wise Assessments will be conducted, with FCNRCD coordinating with other Stream Wise Partners active in overlapping geographic regions. Outreach will include sharing original posts on our social media and blog, sharing LCBP and Stream Wise Partner posts on social media, and sending an email blast to our mailing list. In addition to digital outreach, FCNRCD will also host an in-person educational stream stewardship event with the hope of connecting with streamside landowners and stewards.

Outputs:

- List of properties for test run of Stream Wise material
- up to 12 households participating in Stream Wise
- up to 12 entries of Stream Wise Assessments within Fulcrum App

Outcomes:

- engagement of landowners in riparian stewardship activities
- Franklin County NRCD has become a well-recognized resource for riparian restoration in Vermont

Organization: Franklin County NRCD

Contact Person: Lauren Weston

Mailing Address: 50 South Main St, Suite B-20
St. Albans, VT 05478

Phone: (802) 528-4176

E-mail: lauren.weston@usda.gov

Website: www.franklincountynrcd.org



Stream Wise award with family in their woody buffer.



NEIWPCC Code: LS-2024-044
EPA 0368-004-001
Start Date: 4/1/2024
Close Date: 1/15/2025
Grant Amount: \$14,930.00
Non-federal Match:
Total Amount: \$14,930.00

2024 Large Implementation Grant

concluded

Stream Wise in the Lake Carmi Watershed

Project Summary

The Franklin Watershed Committee will participate in the 2024 and 2025 Stream Wise program in partnership with the Stream Wise Project Team and other Stream Wise partners using Stream Wise program material in accordance with the Stream Wise Assessment Protocol. An estimated 5 Stream Wise Assessments will be conducted.

Outputs:

- attend Stream Wise trainings
- Create and distribute social media and print awareness campaign to spread the word and provide outreach to engage with stream and river property owners to participate in Stream Wise.
- conduct marketing campaign
- conduct destop and field visit assessments

Outcomes:

- engagement of landowners in riparian stewardship activities
- Franklin Watershed Committee has become a well-recognized resource for riparian restoration in Vermont

Organization: Franklin Watershed Committee

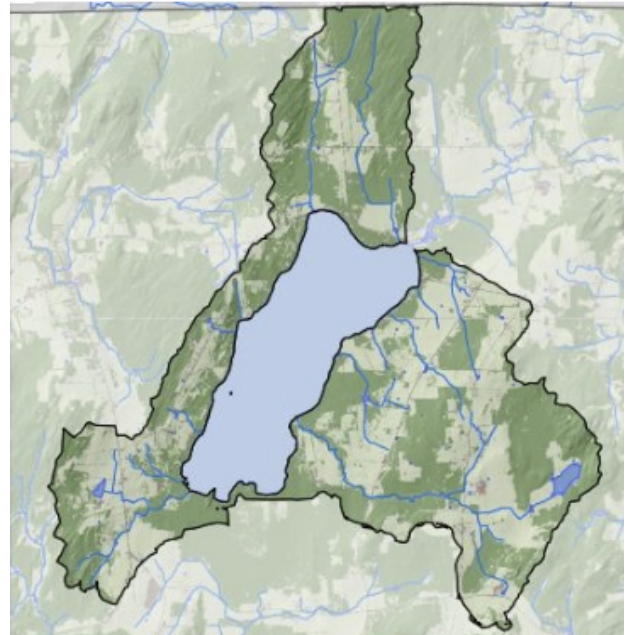
Contact Person: Julia Crocker

Mailing Address: PO Box 79
Franklin, VT 05457

Phone: (802) 825-1243

E-mail: juliamariecrocker@gmail.com

Website: <https://www.franklinwatershed.org/>



Map of the Lake Carmi watershed



NEIWPCC Code: LS-2024-040
EPA 0368-004-001
Start Date: 5/9/2024
Close Date: 2/11/2025
Grant Amount: \$5,930.00
Non-federal Match:
Total Amount: \$5,930.00

2024 Program Grant

in progress

Stream Wise in the Mad River Watershed

Project Summary

LCBP funded the development of a Stream Wise Award Program in the Lake Champlain Basin, modeled after the Lake Wise Award Program in Vermont, to educate and incentivize communities to engage in riparian stewardship activities with a consistent marketing message and brand. The award program was developed in 2020-2021 with Federal, state, and provincial input (governmental and non-governmental non-profit organizations), incorporated practices from existing programs, and was specifically tailored to respond the needs and capacities of local watershed organizations to the greatest extent possible. Friends of the Mad River will deliver this program in the Mad River Watershed, completing an estimated 10 Stream Wise assessments.

Outputs:

- attend Stream Wise trainings
- Create and distribute social media and print awareness campaign to spread the word and provide outreach to engage with stream and river property owners to participate in Stream Wise.
- conduct marketing campaign
- conduct desktop and field visit assessments

Outcomes:

- engagement of landowners in riparian stewardship activities
- Friends of the Mad River has become a well-recognized resource for riparian restoration in Vermont

Organization: Friends of the Mad River

Contact Person: Ira Shadis

Mailing Address: 4061 Main Street
Waitsfield VT 05673

Phone: 802-496-9127

E-mail: info@friendsofthemadriver.org

Website: www.friendsofthemadriver.org



Friends of the Mad River leading a home site assessment



NEIWPCC Code: LS-2024-046
EPA 0368-004-001
Start Date: 4/18/2024
Close Date:
Grant Amount: \$10,018.00
Non-federal Match:
Total Amount: \$10,018.00

2025 Stream Wise Community Partner Grants in progress

2025 Stream Wise in the Missisquoi Headwaters

Project Summary

The Missisquoi River Basin Association (MRBA) will participate in the 2025 Stream Wise season in partnership with the Stream Wise Project Team and other Stream Wise Community Partners using Stream Wise program material in accordance with the Stream Wise Assessment Protocol. 6 Stream Wise Assessments will be conducted and 3 or more follow-up visits to previous Stream Wise assessed properties.

Outputs:

- attendance at all required Stream Wise training and feedback sessions by MRBA staff
- 1 or more MRBA-supported (likely in collaboration with other partners) Stream Wise events including photos and participant count, 8 separate social media posts, 1 blog post, 3 separate email blasts, 1 press release, printed messaging distributed in 8 towns, at least 9 landowners reached via this outreach
- 6 Stream Wise assessed properties, 6 entries within the Stream Wise app, and 3 follow-up visits of previous assessed MRBA properties.

Outcomes:

- enables the MRBA to have a direct avenue for connecting with water adjacent landowners who can be at times elusive.
- continue building our Stream Wise assessed properties list, from which we gain landowners who are invested in bettering and protecting their stream's health.
- better informed public through the 2025 public Stream Wise events and our social media campaign.

Organization: Missisquoi River Basin Association
Contact Person: Sarah Lunn
Mailing Address: 2839 VT Route 105
East Berkshire, VT 05447
Phone: 802-933-3645
E-mail: sarah@mrbavt.com
Website: mrbavt.com

NEIWPCC Code: LS-PO-2025-023
EPA: 0373-004-001
Start Date: 03/06/2025
Close Date:
Grant Amount: \$13,201.00
Non-federal Match: \$1,166.00
Total Amount: \$14,367.00

2024 Program Project

concluded

Stream Wise in the Missisquoi Headwaters

Project Summary

The Missisquoi River Basin Association (MRBA) will participate in the 2024 Stream Wise program in partnership with the Stream Wise Project Team and other Stream Wise partners using Stream Wise program material in accordance with the Stream Wise Assessment Protocol. MRBA will conduct six (6) Stream Wise Assessments in the Missisquoi River Basin.

Outputs:

- attend trainings
- conduct marketing campaign
- 4 households participating in Stream Wise
- 4 entries of Stream Wise Assessments within Fulcrum App

Outcomes:

- engagement of landowners in riparian stewardship activities
- MRBA has become a well-recognized resource for riparian restoration in Vermont

Organization: Missisquoi River Basin Association

Contact Person: Sarah Lunn

Mailing Address: 2839 VT Route 105
East Berkshire, VT 05447

Phone: (802) 933-3645

E-mail: sarah@mrbavt.com

Website: mrbavt.com



MRBA's Project Manager, Ellen Fox, performing a Stream Wise assessment in 2023 with a landowner in North Troy.



NEIWPCC Code: LS-2024-045
EPA 0368-004-001
Start Date: 4/10/2024
Close Date: 1/16/2025
Grant Amount: \$15,000.00
Non-federal Match: \$ 2,500.00
Total Amount: \$17,500.00

2025 Stream Wise Community Partner Grants in progress

Stream Wise in the Saranac River Watershed

Project Summary

The Paul Smith's College Adirondack Watershed Institute (AWI) will participate in the 2025 Stream Wise season in partnership with the Stream Wise Project Team and other Stream Wise Community Partners using Stream Wise program material in accordance with the Stream Wise Assessment Protocol.

Outputs:

- AWI will reach 300 landowners through a targeted marketing campaign, resulting in 12-16 inquiries.
- AWI will conduct 6-8 Stream Wise assessments in the Saranac River watershed.

Outcomes:

- 6-8 landowners will be better equipped to address challenges in their riparian buffers, including heavy precipitation events, forest pests, and other environmental stressors.
- community members will gain increased understanding of the value of streamside buffers for flood resiliency, water quality and habitat, as well as broader water quality issues within the Lake Champlain watershed.

Organization: Paul Smith's College Adirondack Watershed Institute
Contact Person: Tom Collins
Mailing Address: Paul Smith's College, PO Box 265
Paul Smiths, NY 12970
Phone: 518-327-6145
E-mail: tcollins1@paulsmiths.edu
Website: <https://www.adkwatershed.org/>

NEIWPCC Code: LS-PO-2025-029
EPA: 0373-004-001
Start Date: 03/21/2025
Close Date:
Grant Amount: \$14,978.00
Non-federal Match: \$2,097.00
Total Amount: \$17,075.00

2024 Program Project

concluded

Stream Wise in the Saranac River Watershed

Project Summary

Paul Smith's College Adirondack Watershed Institute (AWI) will participate in the 2024 Stream Wise project in partnership with the Stream Wise Project Team using program material in accordance with the Stream Wise Assessment Protocol. The outcome is increased knowledge on the importance of stream buffers amongst the public, and with streamside landowners continued management and/ or enhanced stream buffers to increase water quality, enhance wildlife habitat and strengthen flood resiliency.

Outputs:

- attend Stream Wise trainings
- conduct marketing campaign
- conduct 5-7 desktop and field visit assessments

Outcomes:

- increased knowledge on the importance of stream buffers amongst the public, and with streamside landowners continued management and/ or enhanced stream buffers to increase water quality, enhance wildlife habitat and strengthen flood resiliency
- engagement of landowners in riparian stewardship activities
- Paul Smith's College has become a well-recognized resource for riparian restoration in New York

Organization: Paul Smith's College

Contact Person: Bill Brosseau

Mailing Address: PO Box 265, Routes 86 & 30
Paul Smiths, NY 12970

Phone: (518)-327-6171

E-mail: bbrosseau@paulsmiths.edu

Website: <https://www.adkwatershed.org/>



Conducting an assessment along Ray Brook in the Saranac River Watershed



NEIWPCC Code: LS-2024-038

EPA 0368-004-001

Start Date: 4/3/2024

Close Date: 1/23/2025

Grant Amount: \$14,995.00

Non-federal Match: \$ 4,516.00

Total Amount: \$19,511.00

2024 Program Grant

concluded

Stream Wise Season 2 for Lamoille County

Project Summary

The Lamoille County Conservation District will participate in the 2024 Stream Wise season in partnership with the Stream Wise Project Team and other Stream Wise Community Partners using Stream Wise program material in accordance with the Stream Wise Assessment Protocol. Five Stream Wise Assessments will be conducted, and follow-up visits will be offered to non-awarded assessments from prior years.

Outputs:

- attend Stream Wise trainings
- Create and distribute social media and print awareness campaign to spread the word and provide outreach to engage with stream and river property owners to participate in Stream Wise.
- conduct marketing campaign
- conduct destop and field visit assessments
- Participate in end-of-season meeting and survey

Outcomes:

- engagement of landowners in riparian stewardship activities
- LCCD has become a well-recognized resource for riparian restoration in Vermont

Organization: LaMoille County Conservation District & Nature Center

Contact Person: Emily Porter-Goff

Mailing Address: 109 Professional Dr, Suite 2
Morrisville VT 05661

Phone: 802-888-4935

E-mail: emilylccdedu@gmail.com

Website: <https://www.lcnrcd.com/>



Stream Wise placard proudly displayed on the Rooney Farm in Morristown, from the 2023 Stream Wise Season.



NEIWPCC Code: LS-2024-039
EPA 0368-004-001
Start Date: 4/3/2024
Close Date: 1/30/2025
Grant Amount: \$13,919.00
Non-federal Match:
Total Amount: \$13,919.00

2023 Program Project

concluded

Stream Wise 2023 Season Pilot Year in the Lake Champlain Watershed

Project Summary

The Lake Champlain Committee (LCC) will participate in the 2023 Stream Wise pilot year in partnership with the Stream Wise Project Team and other Stream Wise pilot year partners using Stream Wise program materials in accordance with the Stream Wise Assessment Protocol. An estimated eight to ten Stream Wise Assessments will be conducted based on responses to LCC outreach.

Outputs:

- Attend Stream Wise Outreach Materials/Content sign-up meeting and the three training sessions.
- An LCC outreach campaign with ten social media posts (Facebook, Front Porch Forum, and Instagram), one blog post, one website post to be regularly updated, a website volunteer form, three email blasts, one news column for print in regional media.
- 8-10 Stream Wise Assessments with written reports and recommendations for landowners.

Outcomes:

- engagement of landowners in riparian stewardship activities
- improved water quality in the Lake Champlain Basin through increased stream buffer quantity and quality
- greater public awareness of the Stream Wise Program after its pilot year
- increased public understanding of the value of stream buffers.

Organization: Lake Champlain Committee

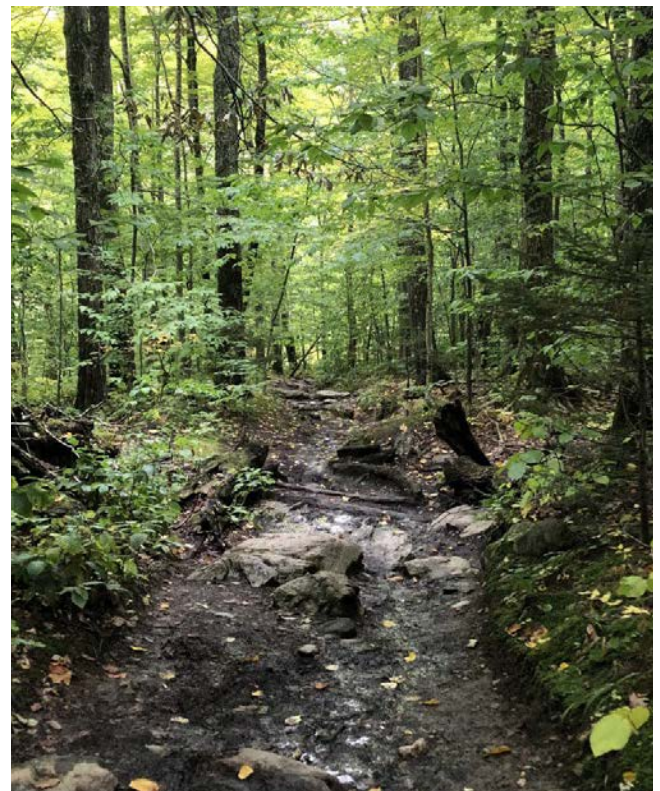
Contact Person: Lori Fischer

Mailing Address: 208 Flynn Ave. Building 3
Studio 3F, Burlington, VT 05401

Phone: (802) 658-1414

E-mail: lcc@lakechamplaincommittee.org

Website: lakechamplaincommittee.org



A stream meanders through Camel's Hump State Forest in Vermont, surrounded by dense vegetation at multiple canopy levels. (Photo by Eileen Fitzgerald).

NEIWPCC Code: LS-2023-021

EPA 0364-004-001

Start Date: 4/5/2023

Close Date: 7/14/2025

Grant Amount: \$15,000.00

Non-federal Match: \$ 2,500.00

Total Amount: \$17,500.00



2025 Stream Wise Community Partner Grants in progress

Stream Wise in the Upper Lamoille Watershed

Project Summary

The Stewards of the Greensboro Watersheds will participate in the 2025 Stream Wise season in partnership with the Stream Wise Project Team, and other Stream Wise Community Partners using Stream Wise program material.

Outputs:

- Attend Stream Wise Trainings and complete Quality Assurance Procedures
- Conduct Stream Wise Marketing: through Front Porch Forum, Stream Clean-up, Table at community events, Facebook, relationships with Sponsor organizations.
- Conduct minimum 15 Stream Wise and Desk Top Assessments
- Participate in end of season meeting

Outcomes:

- landowners have clearer understanding of their streamside buffers. Landowners have opportunity to improve those buffers. Landowners get a Stream Wise award for their efforts.
- opportunity to give feedback to LCBP staff and other Stream Wise participants. Learn ways to improve our Stream Wise program.
- Develop clarity about riparian buffers in our watershed; communicate with landowners the nature of their stream buffers; communicate ways that their buffers are intact and ways they need support.

Organization: Greensboro Association Inc.
Contact Person: Jed Feffer
Mailing Address: 1735 Shadow Lake Road
Craftsbury Common, VT 05827
Phone: 802-586-9633
E-mail: jedtfeffer@aol.com
Website:

NEIWPCC Code: LS-PO-2025-033
EPA: 0373-004-001
Start Date: 04/04/2025
Close Date:
Grant Amount: \$15,000.00
Non-federal Match: \$13,051.00
Total Amount: \$28,051.00

2024 Program Grant

concluded

Stream Wise in the Upper Lamoille Watershed

Project Summary

We will conduct outreach to landowners in our targeted location to do Stream Wise assessments of their riparian land in partnership with the Stream Wise Project Team and other Stream Wise Community Partners using Stream Wise program materials in accordance with the Assessment Protocol. We plan to conduct sixteen Stream Wise assessments. These assessments will lead to riparian buffer plantings and/or Stream Wise Awards. Our buffer plantings will energize the local community, lessen erosion, provide flood control, lower water temperatures, improve aquatic health, and create better wildlife corridors along the Lamoille River.

Outputs:

- attend Stream Wise trainings
- Create and distribute social media and print awareness campaign to spread the word and provide outreach to engage with stream and river property owners to participate in Stream Wise.
- conduct marketing campaign
- 50 feet minimum of revegetated buffers developed along the Lamoille and Caspian Lake Tributaries.
- conduct 16 desktop and field visit assessments
- Participate in end-of-season meeting and survey

Outcomes:

improved riparian buffers

inform the public about the importance of buffer work and involve them in the creation of it

Organization: Greensboro Association

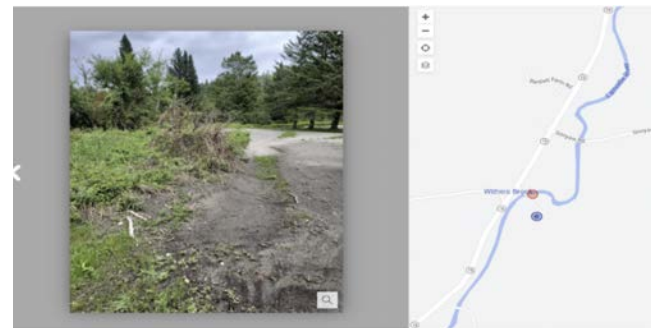
Contact Person: Jed Feffer

Mailing Address: 1735 Shadow Lake Road
Craftsbury Common, Vermont 05827

Phone: 802-586-9633

E-mail: jedtfeffer@aol.com

Website: <https://greensboroassociation.org>



An eroded section of the Lyman Property that was assessed last year. The blue dot on the map shows where the property is located along Route 16 and the Lamoille River in Greensboro Bend. It is scheduled for planting in late April 2024



NEIWPCC Code: LS-2024-037
EPA 0368-004-001
Start Date: 4/9/2024
Close Date: 1/15/2025
Grant Amount: \$15,000.00
Non-federal Match: \$14,913.00
Total Amount: \$29,913.00

2025 Stream Wise Community Partner Grants in progress

Stream Wise in the Winooski Watershed 2025

Project Summary

Friends of the Winooski River will participate in the 2025 Stream Wise season in partnership with the Stream Wise Project Team and other Stream Wise Community Partners using Stream Wise program material in accordance with the Stream Wise Assessment Protocol. Five Stream Wise Assessments will be conducted.

Outputs:

- Staff will attend Stream Wise trainings
- Five completed Stream Wise Desktop and Field Visit Assessments between June – October 2025.
- One in-person event and create and distribute 5 social media posts, 1 blog, 3 email blasts, 1 press release, and 3 printed messaging to spread the word and provide outreach to engage with stream and river property owners
- Staff will record and share feedback on program material
- Assessment data, landowner summary reports, copies of outreach materials, and photos will be submitted

Outcomes:

- A properly trained staff to conduct assessments and assist landowners
- A better informed public with access to appropriate resources
- Our audience on social media will be made aware of the Stream Wise program
- Quality data will be collected in accordance with our QAPP
- Constructive feedback from assessors will lead to improvements in the Stream Wise program

Organization: Friends of the Winooski River
Contact Person: Michele Braun
Mailing Address: PO Box 777
Montpelier, VT 05601
Phone: 802-279-3771
E-mail: michele@winooskiriver.org
Website: winooskiriver.org

NEIWPCC Code: LS-PO-2025-028
EPA: 0373-004-001
Start Date: 03/07/2025
Close Date:
Grant Amount: \$7,717.00
Non-federal Match:
Total Amount: \$7,717.00

2024 Program Project

concluded

Stream Wise in the Winooski River Watershed

Project Summary

Friends of the Winooski River will participate in the 2024 Stream Wise program in partnership with the Stream Wise Project Team and other Stream Wise pilot year partners using Stream Wise program material in accordance with the Stream Wise Assessment Protocol. We propose to conduct approximately ten assessments.

Outputs:

- attend Stream Wise trainings
- conduct marketing campaign
- conduct desktop and field visit assessments

Outcomes:

- engagement of landowners in riparian stewardship activities
- Friends of the Winooski River has become a well-recognized resource for riparian restoration in Vermont

Organization: Friends of the Winooski River

Contact Person: Michele W. Braun

Mailing Address: PO Box 777
Montpelier, VT 05601

Phone: 802-279-3771

E-mail: michele@winooskiriver.org

Website: winooskiriver.org



2023 Stream Wise Assessment photo



NEIWPCC Code: LS-2024-043
EPA 0368-004-001
Start Date: 4/3/2024
Close Date: 1/8/2025
Grant Amount: \$14,953.00
Non-federal Match:
Total Amount: \$14,953.00

THRIVING COMMUNITIES



BY THE NUMBERS

- \$326,930** funds awarded through 16 CVNHP Grants
- 11,935** participants at CVNHP-funded events.
- 2,114** hours of volunteer time contributed by community members to CVNHP projects
- 117** participants in community fishing workshops
- 5** interns supported with CVNHP grants



A view of the mural installed on the side of the BCA Studios building.



Installation of the new interpretive signage at Mount Independence.

Program Highlights

- Convened the 16th annual CVNHP International Summit in Plattsburgh, NY, to recognize cultural heritage protection efforts and to guide programmatic and budget priorities.
- Partnered with Vermont Fish & Wildlife Department and Lake Champlain Sea Grant to host community workshops for participants to learn basic fishing skills and state fishing regulations, and get hands-on practice.
- Developed three wayside exhibits to anchor the newly opened Keeseville Waterfront Park in New York, which celebrates the hamlet's historic connection to the Ausable River.

Grant Highlights

Burlington's Barge Canal Mural: A Youth Empowerment Project

Burlington City Arts facilitated the development of a new mural on Burlington's Pine Street, created by Juniper Creative Arts in collaboration with youth apprentices, that investigates the complex history of the South End's Barge Canal.

An Organizational Refresh for Enhanced Impact

Grand Isle County Natural Resources Conservation District strengthened its organizational foundation through a brand identity refresh, development of a new website, and streamlining its file management system.

Valorization of the Richelieu River as a Corridor of Commerce

The Foyer Légendaire project, led by Tourisme Haut-Richelieu, created an immersive heritage site in the city of Saint-Jean-sur-Richelieu that brings to life the historical significance of the Richelieu River during the Prohibition era and highlights the region's involvement in cross-border trade.

Mount Independence Trail Interpretive Signs

Thirteen key interpretive signs and directional panels were developed and installed at Mount Independence State Historic Site, located in Orwell, Vermont. The interpretive panels and directional signs offer year-round orientation, wayfinding, and historic interpretation.

Military History and the Built Environment in the Champlain Valley

In 2025, Adirondack Architectural Heritage developed a series of programs, virtual and in person, that focused on the buildings, structures, and landscapes associated with military history in the New York portion of the Champlain Valley.

Burlington City Arts

Mount Independence Trail Association

2023 Artist-in-Residence Grant

concluded

passage obligé ~ bound flow

Project Description

Passage obligé ~ Bound flow is a project at the crossroads of artistic and scientific research presented by the Centre Adélar. The art center has invited Quebec artist Pascale Théorêt Groulx to carry out a research residency. Equipped with a miniature floating dam, the artist will conduct a series of interventions (data collection, audio and video recordings, educational workshops) on several rivers flowing into Missisquoi Bay. The background work will be used as content for the creation of the final work: a 20-foot floating dam made of boat canvas with video art elements. The final work will be exhibited during the fall of 2024 in Saint-Armand on the shores of Missisquoi Bay in order to raise public awareness of the impact of dams on the region's waterways and on the health of the water.

Outputs:

- creation of a work of art in the form of a hybrid installation related to the presence, effects and dismantling of dams in the tributary rivers of Missisquoi Bay.

Outcomes:

- raise public awareness of the protection of the water environment in Brome-Missisquoi
- highlight current knowledge on the impact of dams on water health and to educate the general public about the protection of Missisquoi Bay and its tributaries.

Organization: Centre Adélar

Contact Person: Gauthier Melin

Mailing Address: 23-C rue Principale
Frelighsburg, QC J0J 1C0

Phone: 438-921-3108

E-mail: gauthier@adelard.org

Website: adelard.org



NEIWPCC Code: L-2023-093

GLFC: 0100-337-004

Start Date: 11/13/2023

Close Date: 3/23/2025

Grant Amount: \$36,819.00

Non-federal Match:

Total Amount: \$36,819.00

2023 Artist-in-Residence Grant

in progress

UnderWATER, UnderGROUND: Black/Indigenous Creatives Historize Charlotte, Vermont's Sea Change

Project Description

Grounded on an African-American owned historic farm, this artist-in-residence (AiR) project will engage two AiRs of o work collaboratively to research and co-create multi-genre works-in-progress and exhibitions about Lake Champlain Basin's ecological, geological and cultural histories of Charlotte, Vermont and its environs. The residencies will follow a three-phase process inspired by the *UnderWATER*, *UnderGROUND* creative theme: (1) Submerge; (2) Immerse; (3) Emerge. Field trips will be integrated throughout the three phases.

Outputs:

- Public announcements about the project
- 4 works-in-progress artist talks and presentations;
- 6 "Breach-Outreach" community co-creation art workshops
- 1 installed exhibit at the Clemmons farm
- Content and pre-recorded arts engagements to be used in the development of new K12 curriculum for WTAMW.

Outcomes:

- Increased public awareness of, interest in, and empathy for the diverse and layered stories of historically underrepresented peoples
- the ecological significance of the Lake Champlain Basin, as interpreted by artists of African descent
- two artists gaining knowledge and skills to integrate history and scientific research into their creative works.

Omega Jade is a multidisciplinary artist whose art includes music production, standup comedy, spoken word poetry, hip hop, and candle making. She is reading her book, Layers of the Heart, in front of the historic Big Barn, a dairy and hay barn (c. 1780s) on the Clemmons farm that features a weathervane in the shape of a whale, representational of the 11,500-year-old skeleton of a Beluga whale unearthed near the farm in the 1800s. Jade is one of the more than 200 members of the state-wide network of Vermont's Black artists who collaborate with Clemmons Family Farm, Inc.

Organization: Clemmons Family Farm, Inc.

Contact Person: Lydia Clemmons

Mailing Address: Box 546
Charlotte, Vermont 05445

Phone: 765-560-5445

E-mail: contact@clemmonsfamilyfarm.org

Website: www.clemmonsfamilyfarm.org



Photo credits: Nani Clemmons, courtesy of Clemmons Family Farm; 2022.



NEIWPCC Code: L-2023-004
GLFC 0100-337-005

Start Date: 4/5/2023

Close Date:

Grant Amount: \$40,000.00

Non-federal Match: \$29,904.00

Total Amount: \$69,904.00

2023 Artist-in-Residence Grant

in progress

Watershed Voices

Project Description

Watershed voices will create musical works (5 choral and instrumental works, 3 concerts, audio recordings of all works, and a website) that celebrate regional biodiversity (through sonification of scientific data) and human diversity (through writings from diverse cultural voices both past and present). These outputs will thereby increase public awareness of how our watershed links diverse communities; increase public understanding of the dynamic relationship between science and music; and increase knowledge and experience of the Lake Champlain Basin on both intellectual and emotional levels.

Outputs:

- 5 choral and instrumental works
- 3 concerts
- audio recordings of all works
- website

Outcomes:

- increase public awareness of how our watershed links diverse communities
- increase public understanding of the dynamic relationship between science and music
- increase knowledge and experience of the Lake Champlain Basin on both intellectual and emotional levels.

Organization: Adirondack North Country Association/ Adirondack Diversity Initiative

Contact Person: Melanie Reding

Mailing Address: 67 Main Street, Suite 201
Saranac Lake, NY 12983

Phone: 518-354-9279

E-mail: mreding@adirondack.org

Website: Adirondack.org



Curt Stager collecting Champlain Lake core samples.



NEIWPCC Code: L-2023-013
GLFC 0100-334-004
Start Date: 4/26/2023
Close Date:
Grant Amount: \$40,000.00
Non-federal Match:
Total Amount: \$40,000.00

2025 Collections Grant

in progress

Archive of early history collections material for Champlain, NY

Project Summary

A finding aid will be created to document material in the History Center’s collection related to the founding and development of Champlain. People, families, events and industries that helped to shape Champlain and the American landscape will be identified. Material will be archived for long term storage. Samples from the collection will be digitized and placed on the Center’s Facebook page and dedicated webpage.

Outputs:

- creation of a finding aid and web page on the Center’s website to showcase various collections.

Outcomes:

- documentation of the archival material in the History Center’s collections that relates to the founding and early growth of the Village and Town of Champlain.
- an Excel file and searchable PDF file will be created along with a related web page on the History Center’s website.

Organization:	Samuel de Champlain History Center
Contact Person:	Celine Racine Paquette
Mailing Address:	202 Elm Street Champlain, NY 12919
Phone:	518-298-1609
E-mail:	director@champlainhistory.org
Website:	champlainhistory.org

NEIWPCC Code:	PO 100585
NPS	0988-019
Start Date:	10/25/2024
Close Date:	
Grant Amount:	\$6,000.00
Non-federal Match:	\$1,513.00
Total Amount:	\$6,000.00

2024 Collections Grant

concluded

Collections Climate Control at Rokeby Museum

Project Description

This project will assist in adding climate controls to maintain temperature and humidity at accepted museum standards and storage amenities to a collections facility at Rokeby Museum. Preservation and collections expert Rick Kerschner is working with the museum to design the collections space, which will house 18th-20th century furniture, agricultural equipment, ceramics, and household goods. Maintaining museum collections requires consistent monitoring of light, temperature, humidity, and pests such as bugs and rodents. The requested addition of climate controls in the new building keeps the space from large temperature swings and helps maintain low humidity throughout the year. Due to rising costs in materials and labor, the project is split into two phases. Phasing the project will allow the museum to monitor the space for temperature and humidity changes and make the best-informed decision when adding a mini-split system. Phase 1 ('23): The museum will insulate with cellulose and add plywood board walls; Wi-Fi sensors will monitor the temperature/humidity; 2023 data will ensure the mini split system is installed in the best location for maximum efficiency and benefit the collection. Phase 2 (grant request, '24): Install a Mitsubishi 18,000 BTU wall-mounted indoor unit with additional humidity sensor controls; purchase boxes and wrapping materials; install static and moveable shelving.

Outputs:

- installation of climate control system and insulation

Outcomes:

- creation of a safe and secure storage space for the museum's collections
- creation of creative storage solutions to share with small museums in Vermont.

Organization: Rokeby Museum

Contact Person: Lindsay Varner

Mailing Address: 4334 Route 7
Ferrisburgh, Vermont 05456

Phone: 802-877-3406

E-mail: director@rokeby.org

Website: rokeby.org



NEIWPCC Code: LS-2024-014

NPS 988-018

Start Date: 8/16/2024

Close Date: 2/11/2025

Grant Amount: \$ 9,000.00

Non-federal Match: \$11,128.00

Total Amount: \$20,128.00

2025 Collections Grant

in progress

Conserving Portrait of Margaret Schoolcraft-Brush-Wall

Project Summary

Fort Ticonderoga will partner with Williamstown Art Conservation Center (WACC) to complete the conservation of an 18th-century portrait of Margaret Schoolcraft-Brush-Wall.

Output

- Professional conservation of the portrait of Margaret Schoolcraft-Brush-Wall ensuring its long term preservation and access, including exhibition

Outcome

- Audiences gain a broader understanding of women’s experiences during the American Revolution.

Organization:	The Fort Ticonderoga Association
Contact Person:	Martha Strum
Mailing Address:	PO Box 390 Ticonderoga, NY 12883
Phone:	518-585-2821
E-mail:	mstrum@fort-ticonderoga.org
Website:	www.FortTiconderoga.org

NEIWPCC Code:	PO 100584
NPS	0988-019
Start Date:	10/24/2024
Close Date:	
Grant Amount:	\$9,000.00
Non-federal Match:	\$10,360.00
Total Amount:	\$9,000.00

2024 Collections Grant

concluded

Digitization, Preservation and Web Publishing of Select History Center Collections

Project Description

The Center proposes to archive, index and web publish a collection of community posters and newspaper scrapbook material to enable the public to view and search this information.

Outputs:

- creation of community event poster
- newspaper finding aids and web pages on the Center's website to showcase collections
- documentmentation of approximately 1000 Champlain community event posters, a newspaper scrapbook with article excerpts
- searchable PDF files

Outcomes:

- increased the public awareness of the Sheridan Iron Works Collection at the History Center.

Organization: Samuel de Champlain History Center

Contact Person: Celine Racine Paquette

Mailing Address: PO Box 3333
Champlain, NY 12919

Phone: (518) 298-1609

E-mail: director@champlainhistory.org

Website: champlainhistory.org

NEIWPCC Code: L-2024-015

GLFC 0100-339-005

Start Date: 3/14/2024

Close Date: 1/30/2025

Grant Amount: \$6,000.00

Non-federal Match: \$1,500.00

Total Amount: \$7,500.00



2025 Collections Grant

in progress

Mount Independence Great Bridge Exhibit Enhancement

Project Summary

The project is to expand upon the “Great Bridge” exhibit in the museum at the Mount Independence State Historic Site. The project will complete one of the components of the “Mount Independence Museum Exhibit Enhancement Plan.”

Outputs:

- An addition to the "Great Bridge" exhibit, including a structural extension of the existing two log metal frame to support a bridge log fragment and an interpretive panel with artwork of the construction of the bridge by Gary Zaboly

Outcomes:

- The project will add to visitor understanding of the American Revolution at Mount Independence, the Great Bridge connecting Mount Independence and Fort Ticonderoga, and military engineering
- Enables Mount Independence to fulfill their preservation and education mission in time for its 250th anniversary in 2026 and 2027

Organization:	Mount Independence Coalition
Contact Person:	Elsa Gilbertson
Mailing Address:	PO Box 344 Brandon, VT 05733
Phone:	802-273-3392
E-mail:	Elsa.Gilbertson@vermont.gov
Website:	www.mountindependence.org

NEIWPCC Code:	PO 100591
NPS	0988-019
Start Date:	11/21/2024
Close Date:	
Grant Amount:	\$9,000.00
Non-federal Match:	\$2,785.00
Total Amount:	\$9,000.00

2025 Collections Grant

in progress

Preservation and Organization of Shelburne Historical Society Collections

Project Summary

Preserve and organize items in the possession of the Shelburne Historical Society

Output

- Archival stored and catalogued items and collections pertaining to the history of Shelburne, Vermont

Outcome

- Easier access for researching by local Society members, historians, teachers and students, and provide better tracking management by the Society

Organization: Shelburne Historical Society

Contact Person: David Boucher

Mailing Address: P.O. Box 101
Shelburne, VT 05482

Phone: 802-777-0241

E-mail: DavidinVermont@msn.com

Website: ShelburneHistoricalSociety.org

NEIWPCC Code: PO 100590

NPS 0988-019

Start Date: 11/21/2024

Close Date: 12/04/2025

Grant Amount: \$4,900.00

Non-federal Match: \$9,393.00

Total Amount: \$4,900.00

2025 Collections Grant

in progress

Preservation Through Digital Access to Oversize Materials

Project Summary

Historic Saranac Lake will create catalog records for oversized materials in its collection in order to increase access to materials while reducing long-term damage from handling. The Archivist/Curator will spend 350 hours creating approximately 540 catalog records in CatalogIt.

Outputs

- Approximately 500 catalog records
- Updated cataloging procedures for blueprints, maps, and other oversize materials

Outcomes

- More materials available to the public online and in our research room
- Improved ability to answer research requests
- More homeowners able to make informed decisions about their property
- Reduced handling of fragile oversize materials

Organization: Historic Saranac Lake

Contact Person: Chessie Monks-Kelly

Mailing Address: 89 Church St.
Saranac Lake, NY 12983

Phone: 518-891-4606

E-mail: chessie@historicsaranaclake.org

Website: historicsaranaclake.org

NEIWPCC Code: LS-PO-2025-048
NPS 0988-019
Start Date: 04/24/2025
Close Date:
Grant Amount: \$8,986.00
Non-federal Match: \$2,593.00
Total Amount: \$9,000.00

2024 Combined Project Grant

concluded

Lake Champlain Maritime Museum 2024 Projects

Project Description

The Museum will complete three projects related to the Champlain-Adirondack Biosphere in 2024: (1) a new exhibit and related programming connecting the public with CABN's environmental resources; (2) two weeks of youth summer camp focused on the history and craft of mining and metal arts; and (3) continued work to document, preserve, and share the gunboat Spitfire.

Outputs:

- new onsite exhibit, three public programs, and three digital engagement opportunities related to the history of canals, waterways, and our connected Champlain-Adirondack Biosphere.
- two weeks of summer camps based on the history and craft of mining and metal arts in the Champlain-Adirondack Biosphere.
- Spitfire website and collections database updates, including a public-facing progress report; three public engagement events with regional stakeholders and the public; completed research design for 2025-2026 in-water excavation and artifact conservation; early-stage designs for new Revolutionary War exhibit.

Outcomes:

- visitors will have expanded digital access to Museum programs, collections, and content; increased exposure to history of canals, waterways, and our interconnected region; and increased stewardship of the Biosphere
- students gain a deeper appreciation and understanding for the environmental impacts of iron mining in the Biosphere, both historically and today, and for the skills required to make objects from metal.
- researchers and archaeologists will create new knowledge about the last unexamined submerged ship from the Revolutionary War on Lake Champlain. The public will make connections between the individuals who fought in the Revolutionary War on Lake Champlain and their own experiences today.

Organization: Lake Champlain Maritime Museum

Contact Person: Katharine Noiva

Mailing Address: 4472 Basin Harbor Road
Vergennes, VT 05491

Phone: (802) 475-2022

E-mail: katharine@lcmm.org

Website: lcmm.org



NEIWPCC Code: L-2024-018
GLFC 0100-339-005
Start Date: 1/30/2024
Close Date: 2/3/2025
Grant Amount: \$100,000.00
Non-federal Match: \$ 13,818.00
Total Amount: \$313,818.00

2024 Communities with Disadvantages Liaison in progress

Participatory Outreach with the Abenaki Nation of Missisquoi

Project Summary

This project proposes to strengthen the relationship between the Franklin County Natural Resources Conservation District (FCNRCD) and the Abenaki Nation of Missisquoi and increase Abenaki access to Vermont State water quality, habitat, recreation, and access improvement processes. This will be accomplished through 3 years of direct participatory outreach to Abenaki community members in Franklin and Grand Isle Counties through a series of events and grant assistance focused on water quality, habitat, recreation, and access priorities and concerns.

Outputs:

- Initial Outreach in Swanton to include: tabling at the Abenaki Nation of Missisquoi Headquarters and distributing digital and physical outreach materials. FCNRCD will coordinate with the Abenaki Tribal Council to reach as many community members as possible. FCNRCD will then coordinate with the Abenaki Tribal Council and Maquam Bay of Missisquoi for two events to be held in Swanton. FCNRCD will facilitate semi-structured discussions on topics of water quality, habitat, recreation, and access, with a strong focus on community participation and input.
- 2025 -2026-2027 Workshops + Assistance: FCNRCD will coordinate with the Abenaki Tribal Council and Abenaki community members for 4 events to be held in Franklin and Grand Isle Counties possibly during other events or gatherings of the Abenaki Nation of Missisquoi to meet the community where they are and to reduce redundancy. FCNRCD will facilitate semi-structured discussions on topics of water quality, habitat, recreation, and access, with a strong focus on community participation and input. FCNRCD will also assist the Abenaki Tribal Council and Abenaki community members in writing grant applications related to water quality, habitat, recreation, and access. Generate list of event dates and locations, the number of event participants, four lists of priority

Organization: Franklin County Natural Resources Conservation District
 Contact Person: Lauren Weston
 Mailing Address: 50 South Main Street
 St Albans, VT 05478
 Phone: 802-582-3133
 E-mail: lauren@franklincountynrcd.org
 Website: <https://franklincountynrcd.org/>

- concerns compiled from community feedback, one Annual Project List, the number of grant applications and total funds requested. One additional workshop in 2027 to review the Draft Community Priorities Plan and gather feedback from Abenaki community members. Draft of Community Priorities Plan and a Final Community Priorities Plan.
- Abenaki Language Signs: Coordination with Abenaki culture bearers and Abenaki language speakers to develop placename and other relevant signs in the Abenaki language to be installed in areas identified and prioritized by Abenaki community members.

Outcomes:

- identification and prioritization of Abenaki community members' water quality, habitat, recreation, and access concerns, increased relationships, coordination, and opportunities for trust building between FCNRCD and the Abenaki Nation of Missisquoi, and an increase in the Abenaki community's access to water quality improvement processes.

NEIWPCC Code: 0368-005-001
 EPA: 0368-005-001
 Start Date: 10/25/2024
 Close Date:
 Grant Amount: \$84,200.00
 Non-federal Match:
 Total Amount: \$84,200.00

2024 Communities with Disadvantages Liaison in progress

Reconnecting with Rivers

Project Summary

Friends of the Winooski River (FWR) will work with partners in our watershed communities of Barre, Northfield, and Winooski to support community leaders' efforts to reconnect residents with their local rivers and engage disadvantaged communities in working toward a clean, healthy, and resilient Winooski River. Through Reconnecting with Rivers, FWR will work to serve community objectives to improve river access and expand community engagement, with a special focus on reaching underrepresented populations. FWR will collaborate with key partners in each community, including the Barre River Access Task Force, Northfield Conservation Commission, and Winooski Community Services Department. These partners will guide the project, providing an array of relevant expertise and deep knowledge of their communities. We also want to build a cohort by holding quarterly meetings of these community leaders to share challenges and successes. The program will produce outputs such as

Outputs:

- Kickoff meetings , community workshops and events
- develop outreach and engagement plans with community engagement consultant
- track metrics such as new community partners engaging with us, new contacts coming from these target communities, and additional clean water and healthy ecosystem projects identified and developed
- work with community leaders to develop applications for funding to implement plans or projects developed through the program, etc.
- Liaison program management to support the advancement of program goals,

Outcomes:

- Residents of Barre, Northfield, and Winooski, particularly those of marginalized groups, feel more connected to their local rivers and able to easily access thorough and digestible educational resources relating to their rivers

Organization: Friends of the Winooski River, Inc.
Contact Person: Michele W. Braun
Mailing Address: PO Box 777
Montpelier, VT 05601
Phone: 802-279-3771
E-mail: michele@winooskiriver.org
Website: winooskiriver.org

- The communities have an increased capacity to accomplish clean water projects, river education, and other related community goals.
- Winooski's Memorial Park will be improved through signage and trail maintenance, and serve as a space of inclusive engagement, reconnection, stewardship, and recreation.
- Community leaders will gain new skills and knowledge to elevate and expand their work.

NEIWPCC Code: LS-2024-140
EPA: 0368-005-001
Start Date: 12/03/2024
Close Date:
Grant Amount: \$127,902.00
Non-federal Match:
Total Amount: \$124,063.00

2024 Interpretive Theme Grant

concluded

Celebrating the Heritage of the CABN during Adirondack Water Week

Project Description

This project celebrates freshwater heritage in the CABN and elevates the voices of community members that are making contributions to protecting clean water in New York and Vermont.

Outputs:

- 500+ people attend Water Week events
- 100 people directly engage in CABN focused field experiences, presentations, or events
- Fiber arts products displayed at 3 locations in the CABN
- AWI and project partners develop CABN focused website content, webinars, and lessons that engage the public with waters in the biosphere.

Outcomes:

- Enhanced public awareness and understanding of the natural and cultural heritage of water resources in CABN
- increased awareness of UNESCO Sustainable Goal #6: Clean Water and Sanitation; strengthened participation of local communities in improving water quality
- enhanced partnership with CABN stakeholders to share knowledge and expertise in CABN communities.

Organization: Adirondack Watershed Institute

Contact Person: Tom Collins

Mailing Address: PO Box 265, Routes 86 & 30
Paul Smith's, NY, 12970

Phone: (518)-327-6155

E-mail: Tcollins1@paulsmiths.edu

Website: <https://www.adkwatershed.org/>



NEIWPCC Code: LS-2024-029
NPS 0988-018
Start Date: 6/24/2024
Close Date: 1/23/2025
Grant Amount: \$ 9,000.00
Non-federal Match: \$ 4,060.00
Total Amount: \$13,060.00

2024 Internship Grant

concluded

Bixby Archives “Biosphere Lens” Finding Aids and Accessibility Intern

Project Description

This project will use a “biosphere lens” to bring Bixby’s extensive archives to life by engaging an intern to create finding aids and make them digitally accessible for researchers and the public. The 2024 Bixby Library intern will build on the work of our 2023 CVNHP intern in creating finding aids for our objects and artifacts collection. The 2024 intern will focus on our extensive archives of local journals, business records, club notes, and more that have yet to be fully indexed and understood. The intern will expand on finding aids to provide searchable detail to make the archive collections more broadly accessible, while using the lens of the CABN Biosphere to understand and illuminate historical references to the environment. The intern will be guided by the library’s director and historic collection volunteer leader and working group.

Outputs:

- 10-week summer internship (30 hours/week)
- press release
- finding aids for 5-10 archive collections and entering information into CatalogIt enabling broad accessibility;
- an exhibit at the library which highlights intern’s research
- five newsletter social posts highlighting CABN-related themes in the archives.

Outcomes:

- increased public understanding of the materials in Bixby’s archives and their impact in CABN;
- increased professional experience for a young professional in the field.

Organization: Bixby Library

Contact Person: Catharine Hays

Mailing Address: 258 Main Street
Vergennes, VT 05491

Phone: 802-877-2211

E-mail: catharine.hays@bixbylibrary.org

Website: bixbylibrary.org

NEIWPCC Code: LS-2024-030
NPS 988-018

Start Date: 4/22/2024

Close Date: 4/2/2025

Grant Amount: \$7,982.00

Non-federal Match: \$1,565.00

Total Amount: \$9,5447.00



2025 Internship Grant

in progress

Documenting and Accessioning the Cole Collection

Project Summary

Hire and train an intern to process a large collection of historical documents .The project was to complete the processing of the G. Glyndon Cole collection of historic documents and maps donated to Clinton County Historical Association (CCHA) in 2021 by the Plattsburgh Public Library. The collection contains several thousand documents and 160 maps, including documents (letters and deeds) from the Revolutionary War veterans who founded the county.

Output

- More than 500 historical documents were described, classified, scanned, entered into museum software and archived.
- Intern trained in all aspects of collection processing and documentation management.

Outcome

- The Cole Collection items processed are recorded and preserved as part of the Clinton County Historical Association Collection and available to the public,students and researchers both within the County and through like organizations.
- The intern gained acomplete understanding of collections processing.

Organization:	Clinton County Historical Association
Contact Person:	Helen Nerska
Mailing Address:	98 Ohio Avenue Plattsburgh, NY 12903
Phone:	518-561-0340
E-mail:	director@clintoncountyhistorical.org
Website:	www.clintoncountyhistorical.org

NEIWPCC Code:	LS-2024-148
NPS	0988-019
Start Date:	12/03/2024
Close Date:	
Grant Amount:	\$8,000.00
Non-federal Match:	\$3,918.00
Total Amount:	\$8,000.00

2024 Internship Grant

concluded

Internship in Museum Interpretation for the Public 2024

Project Description

Lake Champlain Maritime Museum's 2024 intern in museum interpretation will build skills to foster meaningful and engaging connections with the Museum's collections and exhibits and our diverse audiences.

Outputs:

- Intern training in public interpretation of exhibitions and historic objects from the Museum's collections
- Intern -led summer interpretation onsite in exhibition buildings and outdoor interpretation spaces
- 3 expanded public and self-guided programs to create connections between visitors and the Adirondack-Champlain Biosphere

Outcomes:

- increased visitor understanding of Lake Champlain history
- increased visitor stewardship of the Biosphere
- increased intern confidence in public education and interpretation

Organization: Lake Champlain Maritime Museum

Contact Person: Katharine Noiva

Mailing Address: 4472 Basin Harbor Road
Vergennes VT 05491

Phone: 802-475-2022 ext. 109

E-mail: Katharine@lcmm.org

Website: lcmm.org



NEIWPCC Code: LS-2024-009
NPS 988-018
Start Date: 1/29/2024
Close Date: 1/23/2025
Grant Amount: \$ 9,000.00
Non-federal Match: \$ 1,320.00
Total Amount: \$10,320.00

2024 Internship Grant

concluded

Internship in Museum Practices

Project Description

Training a university student in the various tasks required to run a history museum.

Outputs:

- one exhibit
- 3 marketing event communications
- 10 museum tours
- up to 150 collections items processed.

Outcomes:

- An intern exposed to most aspects of museum practices with the knowledge and experience needed to choose a further education in museum studies.

Organization:	Clinton County Historical Association
Contact Person:	Helen Nerska
Mailing Address:	98 Ohio Avenue Plattsburgh, NY 12903
Phone:	518-561-0340
E-mail:	director@clintoncountyhistorical.org
Website:	clintoncountyhistorical.org



NEIWPCC Code:	LS-2024-007
NPS	988-018
Start Date:	5/8/2024
Close Date:	4/29/2025
Grant Amount:	\$9,000.00
Non-federal Match:	\$5,000.00
Total Amount:	\$14,000.00

2024 Internship Grant

concluded

Maritime Trades Internship

Project Description

Fort Ticonderoga seeks support for a maritime trades intern to work with museum staff to develop and present public hands-on carpentry programs relating to the museum's growing maritime program.

Outputs:

- The intern will provide hands-on learning opportunities to over 7,000 visitors participating in maritime programming or cruise. They will help deliver 10 programs to 500 students participating in a maritime trades fieldtrip and help produce a reproduction sail and bateau.

Outcomes:

- The project will contribute to the CVNHP Management Plan objectives to “make new discoveries of the history, culture, and special resources of the CVNHP; making this information accessible to all,” and “have a well-informed public that values the unique heritage of the CVNHP and understands the threats to those resources.”

Organization: Fort Ticonderoga Association

Contact Person: Martha Strum

Mailing Address: PO Box 390
Ticonderoga, NY 12883

Phone: 518-585-2821

E-mail: mstrum@fort-ticonderoga.org

Website: fort-ticonderoga.org



NEIWPCC Code: LS-2023-109
NPS 988-018
Start Date: 5/1/2024
Close Date: 3/25/2025
Grant Amount: \$ 9,000.00
Non-federal Match: \$ 2,920.00
Total Amount: \$11,920.00

2025 Internship Grant

in progress

Revolutionary Internship in Museum Interpretation for the Public

Project Summary

The Museum’s 2025 intern will build skills to foster meaningful and engaging connections between the Museum’s American Revolution collections and exhibitions, and reach diverse audiences through a variety of engaging, hands-on programs.

Outputs

- Press release and job listing for two interns.
- Weekly public programs, tour scripts, and resource lists
- Weekly museum tours, visitor counts, and demonstrations

Outcomes

- To inform the public of the award and to hire an intern
- To prepare the intern for leading and developing programs at the Museum
- To engage with the public in a meaningful way on issues critical to the Champlain Valley

Organization:	Lake Champlain Maritime Museum
Contact Person:	Katharine Noiva
Mailing Address:	4472 Basin Harbor Road Vergennes, VT 05491
Phone:	802-475-2022
E-mail:	katharine@lcmm.org
Website:	www.lcmm.org

NEIWPCC Code:	LS-2025-150
NPS	0988-019
Start Date:	12/23/2024
Close Date:	09/18/2025
Grant Amount:	\$9,000.00
Non-federal Match:	\$3,245.00
Total Amount:	\$9,000.00

2024 Internship Grant

in progress

What Are You Looking At?: Eco-Hands Across the Biosphere

Project Description

Bixby Library will partner with libraries and schools across the lake to develop kits and programs that enlighten and empower students and their educators as stewards of the Biosphere. Through this project, the Library will rebuild connections for middle-schoolers in the Five Town region, and for those students in the New York communities viewed from our shores.

The model developed with our 2022 CVNHP Collections grant will be used to develop the kits. These kits will cover topics supporting CABN goals such as developing biodiversity literacy, building sustainable, healthy, and equitable societies, and supporting mitigation and adaptation for the changing climate.

Exchange trips will provide students and educators an opportunity to better understand and appreciate our interconnectedness in the Champlain-Adirondack Biosphere. Two trips will be for a broader audience and the final trip will be for student leaders who emerged.

Outputs:

- three turnkey educational kits for middle-school students and educators; three exchange trips; and coordinated social media and press releases on both sides of the lake for maximum press coverage.

Outcomes:

- help patrons and students, here and across the lake, to work together to protect important ecological resources that impact their day-to-day lives - and the lives of their kids, inspiring them to become engaged in local community service as stewards of our shared Biosphere.

Organization: Bixby Memorial Free Library

Contact Person: Catharine Hays

Mailing Address: 258 Main Street
Vergennes, VT 05491

Phone: 802-877-2211

E-mail: Catharine.Hays@bixbylibrary.org

Website: bixbylibrary.org



NEIWPCC Code: L-2024-002

GLFC 0100-339-005

Start Date: 4/18/2024

Close Date:

Grant Amount: \$7,982.00

Non-federal Match: \$3,129.00

Total Amount: \$11,111.00

2025 Watershed Economic Assessment

in progress

Economic Valuation of Clean Water in the Lake Champlain Watershed

Project Summary

LCLGRPB will create a comprehensive, multi-sector economic analysis of the value of clean water to the Lake Champlain Watershed’s economy and provide bilingual engagement tools for various audiences. The analysis will include quantification of the economic impact and contribution of each sector to the regional economy and a SWOT Analysis for each major sector.

Outputs:

- a final plan with removal Appendices
- infographics for each SWOT Analysis
- bilingual public facing materials for both digital and print use
- digital outreach campaign, video, a StoryMap and Project Website
- project summary presentation.

Outcomes:

- development of this plan will assist economic development and water resources entities in better understanding the important relationship between the watershed’s regional economy and its water quality
- provide definitive, quantitative data to be used in broader discussions around resources protection
- provide the baseline information for use in decision making, advocating, and project development at the federal, state, and local levels
- inform the public on the economic and environmental dynamics of the region and help continue to develop the perspective that the economy and environment are not mutually exclusive.

Organization: Lake Champlain - Lake George
Regional Planning Board
Contact Person: Beth Gilles
Mailing Address: 1 Lower Amherst Street
Lake George, NY 12845
Phone: 518-668-5773
E-mail: beth.gilles@lclgrpb.org
Website: <https://www.lclgrpb.org>

NEIWPC Code: LS-2025-097
EPA: 0364-005-001
Start Date: 08/01/2025
Close Date:
Grant Amount: \$199,650.00
Non-federal Match: \$0.00
Total Amount: \$199,650.00

2025 Community-level Economic Valuation

in progress

A Two-Pronged Approach to Assessing the Economic Impact of Water Quality in Missisquoi Bay

Project Summary

This project will quantify the economic impact of degraded lake water quality in Missisquoi Bay on Highgate, Vermont, using a two-pronged approach; the first will involve creating a hedonic pricing model to measure the impact of cyanobacteria blooms on shoreline residential property values, and the second will quantify the relationship between retail sales activity and cyanobacteria blooms using regression analysis. In showing the costs associated with poor water quality, the project will demonstrate the potential economic value of investing in watershed best management practices at the community level.

As part of the second prong, the project team will The team will analyze retail sales and sales tax data and potentially also traffic flows and weather to understand the broader economic impact of water quality on communities. Preliminary analysis of local assessing data has resulted in a model explaining approximately 70 percent of assessed value before accounting for water quality events. Separate analyses of county and town sales data and traffic volume data shows high positive correlation. (See supplemental materials.)

Outputs:

- create a hedonic pricing model to measure the impact of cyanobacteria blooms on shoreline residential property values
- examine the relationship between retail sales activity in Highgate and surrounding areas and cyanobacteria blooms.
- Final report documenting the project's methodology, findings, and recommendations.
- Public-facing outreach materials and presentation materials for public meetings and online summary report.
- Digital copies of (or electronic links to) any media coverage the project.

Organization: Northwest Regional Planning Commission

Contact Person: Dean Pierce

Mailing Address: 75 Fairfield Street
St. Albans, VT 05478

Phone: 802-524-5958

E-mail: dpierce@nrpcvt.com

Website: www.nrpcvt.com

Outcomes:

- A statistically significant hedonic pricing model demonstrating the relationship between water quality and property values in Highgate.
- Quantitative estimates of the economic benefits associated with improvements in water quality, expressed as changes in property values.
- A statistically significant model demonstrating the relationship between water quality and retail sales activity in Highgate.
- Quantitative estimates of the economic impacts of changes in water quality on retail sales activity.
- recommendations for local, regional, and state decision-making regarding water quality management.

NEIWPCC Code: LS-2025-110

EPA: 0364-005-001

Start Date: 09/03/2025

Close Date:

Grant Amount: \$28,648.00

Non-federal Match: \$2,000.00

Total Amount: \$30,648.00

2024 Local Heritage Grant

concluded

Diversity in Adirondack Agriculture Curriculum

Project Description

CCE Essex will create a short curriculum of three lessons for high school history classes to learn about agricultural impacts of Indigenous, Black, and Female populations throughout history in the Adirondack region.

Outputs:

- Strong collaboration with partners to exchange information and increase awareness of diversity in agricultural history.
- Three lessons about the diversity in historical agriculture in the Adirondacks highlighting the work of minority and/or underserved populations.
- Curriculum reach of over 6,000 students each year if taught in every high school.

Outcomes:

- High School students in the region will better understand historical agricultural impacts from marginalized populations. They will also learn about DEI principals through the lens of historical agriculture in the region.
- Teachers will feel more connected to the region they live in as they teach this curriculum.

Organization: CCE Essex

Contact Person: Meghan Dohman

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Lewis, NY 12950

Phone: (518) 962-4810

E-mail: Meb377@cornell.edu

Website: cornell.edu



NEIWPCC Code: LS-2024-003
NPS 0988-018

Start Date: 2/27/2024

Close Date: 8/14/2025

Grant Amount: \$8,375.00

Non-federal Match: \$2,749.00

Total Amount: \$11,124.00

2024 Local Heritage Grant

concluded

Hands-on History: Enlivening Learning at the John Brown Farm

Project Description

Hands-on History is a place-based, arts-infused experiential education program that supports and connects New York and Vermont teachers, students, and teaching artists with the region's rich, layered, and interconnected freedom history.

Outputs:

- Orientation for teachers and artists
- collaborative planning sessions
- six artist residencies serving students in three Vermont and three New York schools
- field trips to John Brown Farm
- student showcase/community celebration of student learning and growth
- minimum six arts-integrated lesson plans uploaded on Consider the Source
- evaluation of pilot project

Outcomes:

Students, teachers, and artists will:

- more deeply understand the region's rich, complex, interconnected history,
- have greater empathy, curiosity, and appreciation for the multiple narratives and historical significance of the Champlain Valley
- value artists, student creativity, and the power of the arts to enliven teaching and learning

Organization:

John Brown Lives!

Contact Person:

Martha Swan

Mailing Address:

PO Box 357
Westport, NY 12993

Phone:

518-744-7112

E-mail:

mswan12993@gmail.com

Website:

<https://johnbrownlives.org/>



NEIWPCC Code: LS-2024-068
NPS 0988-018
Start Date: 6/13/2024
Close Date: 4/21/2025
Grant Amount: \$ 9,000.00
Non-federal Match: \$16,311.00
Total Amount: \$25,311.00

2025 Local Heritage Grant

in progress

Revolutionary Artwork for Revolutionary Times

Project Summary

Lake Champlain Maritime Museum will partner with Juniper Creative Arts and school groups to create a public mural on the grounds of the Museum around the theme of the Revolutionary War, focusing on perspectives from history.

Outputs:

- a public mural on the grounds of the Museum, visible to 10,000+ visitors annually. At least 50 students will be involved in the creation and execution of the mural
- project will offer support to and collaboration with local artists in the Champlain Valley.

Outcomes:

- greater visibility of overlooked histories of the Revolutionary War in the Champlain Valley
- increased connection to shared history of the Champlain Valley through active collaboration with schools and artists
- exposure of the public to new perspectives in rural areas often lacking access to art.

Organization:	Lake Champlain Maritime Museum
Contact Person:	Katharine Noiva
Mailing Address:	4472 Basin Harbor Road Vergennes, VT 05491
Phone:	802-475-2022
E-mail:	Katharine@lcmm.org
Website:	www.lcmm.org

NEIWPCC Code:	LS-2025-104
NPS	0988-019
Start Date:	08/11/2025
Close Date:	
Grant Amount:	\$9,000.00
Non-federal Match:	\$0.00
Total Amount:	\$9,000.00

2021 Local Heritage Grant

concluded

Storytelling to Build “Sense of Place” and Natural Heritage Stewardship

Project Summary

Human behaviors are responsible for a host of undesirable environmental consequences. Human behaviors, however, are difficult to change. Inspiring behavior change requires altering attitudes, norms, incentives, ethics, and politics across all levels of society. Programs that foster “sense of place” (i.e., participants’ bond with a place) tap into emotions, attitudes, and behavioral intentions. For this reason, practitioners of community and environmental planning frequently seek new avenues for developing sense of place and understanding of complex social-ecological systems among stakeholder groups and the broader community. Live storytelling events hold promise as a way to engender “sense of place” and, subsequently, natural heritage stewardship. SUNY will work with the Adirondack Center for Writing and the New York State Master Teacher Program to host live storytelling events in New York’s Lake Champlain Basin to train community members and teachers in storytelling skills.

Outputs:

- four live storytelling events for different audiences throughout the Basin -at least one event to a K-12 audience
- recruit and train SUNY Plattsburgh undergraduate students and to help plan the storytelling events and assist with conducting pre/post-test surveys

Outcomes:

- examine the efficacy of storytelling for motivating behavior change
- results of the pre/post-test will have practical and scholarly applications.

Organization: SUNY Plattsburgh

Contact Person: Curt Gervich

Mailing Address: 101 Broad Street
Plattsburgh, NY 12901

Phone: 518-564-4030

E-mail: cgerv001@plattsburgh.edu

Website: <https://www.plattsburgh.edu/academics/schools/arts-sciences/cees/>



NEIWPCC Code: L-2020-082
GLFC 0100-331-005
Start Date: 8/27/2021
Close Date: 11/4/2024
Grant Amount: \$7,500.00
Non-federal Match: \$2,000.00
Total Amount: \$9,500.00

2025 Local Heritage Grant

in progress

Youth Voices for Water Protection

Project Summary

This project will support AWI staff to conduct a series of interviews with young local leaders in the Lake Champlain Basin and publish them into a series of podcasts, blogs, social media posts, and during events at Adirondack Water Week.

Outputs

- Collection of 4-5 youth stories (podcasts, blogs, social media posts) that serve as inspirational narratives for others interested in water protection within the Lake Champlain Basin
- Youth featured events such as a youth panel discussion during Adirondack Water Week

Outcomes

- Increased youth engagement in water protection organizations and efforts, resulting in a more informed and involved public
- Enhanced public awareness about the importance of preserving

Organization: Paul Smith's College, Adirondack Watershed Institute

Contact Person: Tom Collins

Mailing Address: Paul Smith's College, PO Box 265
Paul Smiths, NY 12970

Phone: 518-327-6145

E-mail: tcollins1@paulsmiths.edu

Website: <https://www.adkwatershed.org/>

NEIWPCC Code: LS-PO-2025-037

NPS 0988-019

Start Date: 05/06/2025

Close Date:

Grant Amount: \$8,999.00

Non-federal Match: \$2,382.00

Total Amount: \$9,000.00

2025 Making of Nations Grant

in progress

Military History & the Built Environment in the Champlain Valley

Project Summary

This project will build upon AARCH's educational tour programs to focus multiple daylong programs, plus a webinar, on the Champlain Valley's military history, specifically relating to the Revolutionary War & War of 1812.

Outputs:

- Generated six public programs—one virtual & five in-person—open to the general public on a first-come basis.

Outcomes:

- This project raised awareness of the Champlain Valley's deep and significant military history and role in our nation's founding.

Organization: Adirondack Architectural Heritage

Contact Person: Erin Tobin

Mailing Address: 1745 Main Street
Keeseville, NY 12944

Phone: 518-834-9328

E-mail: erin@aarch.org

Website: www.aarch.org

NEIWPCC Code: LS-2024-158

NPS 0988-019

Start Date: 01/21/2025

Close Date:

Grant Amount: \$4,000.00

Non-federal Match: \$4,488.00

Total Amount: \$6,500.00

2025 Making of Nations Grant

in progress

The Archaeology of Independence: Ticonderoga in the Revolution

Project Summary

To enhance accessibility, Fort Ticonderoga will partner with Vermont State University’s Innovation Lab to produce 3-D printed artifact models and virtual scans for online use.

Output

- The exhibit opened May 2025 with 10 printed and 10 virtual 3-D models enhancing accessibility and engagement.

Outcome

- Audiences gained historical insight through archaeology, tactile engagement, and global digital access, deepening understanding of the Revolution’s local and international context
- Enriched the on-site experience for visitors of all abilities

Organization:	The Fort Ticonderoga Association
Contact Person:	Martha Strum
Mailing Address:	PO Box 390 Ticonderoga, NY 12883
Phone:	518-585-2821
E-mail:	mstrum@fort-ticonderoga.org
Website:	www.FortTiconderoga.org

NEIWPCC Code:	PO 100593
NPS	0988-019
Start Date:	11/21/2024
Close Date:	
Grant Amount:	\$9,000.00
Non-federal Match:	\$9,551.00
Total Amount:	\$9,000.00

2025 Making of Nations Grant

in progress

The Capture of Fort Ticonderoga and Crown Point

Project Summary

Led by the Town of Bennington, the towns of Pownal, Shaftsbury, Arlington, Manchester, and Dorset, together with their respective historical societies and the regional Bennington 250th Anniversary Committee, successfully implemented a 250th commemoration of the Capture of Fort Ticonderoga and Crown Point by Ethan Allen and the Green Mountain Boys. Partners planned and executed a four-day series of events on routes travelled by Allen and the Boys in the early days of May, 1775

Output

- Educational materials were developed for area 4th graders and teachers; a brochure, signage, website, and banners will be created and distributed

Outcome

- Public awareness of the 250th increased; 4th grade students will learn about local history; well attended events educated people about the Revolution.

Organization: Town of Bennington
Contact Person: Jonah Spivak
Mailing Address: 205 South Street
Bennington, VT 05201
Phone: 802-445-1335
E-mail: jspivak@benningtonvt.org
Website: benningtonvt.org

NEIWPCC Code: LS-2024-149
NPS 0988-019
Start Date: 12/19/2024
Close Date:
Grant Amount: \$8,850.00
Non-federal Match: \$16,446.00
Total Amount: \$9,000.00

2025 Making of Nations Grant

in progress

Witness Tree at Union Road Traveling Exhibition

Project Summary

The traveling exhibition features commissioned ceramic art based on Revolutionary War era research through a Haudenosaunee lens for Witness Tree at Union Road, an emerging documentary chronicling the Haff family for more than three generations in the Adirondacks.

Outputs

- Ten commissioned ceramic tile works by artist Natasha Smoke Santiago of Revolutionary War imagery for Traveling Exhibition/digitization for exhibition and the Witness Tree at Union Road documentary

Outcomes

- The project will increase public awareness of geographic significance and the Haudenosaunee people of the Adirondacks in the Revolutionary War era by showcasing the continuity of Indigenous ceramic arts

Organization:	Clinton County Historical Association
Contact Person:	Robin Caudell
Mailing Address:	98 Ohio Avenue Plattsburgh, NY 12903
Phone:	518-561-0340
E-mail:	robinmichelcaudell@gmail.com
Website:	www.clintoncountyhistorical.org

NEIWPCC Code:	LS-PO-2025-061
NPS	0988-019
Start Date:	04/25/2025
Close Date:	
Grant Amount:	\$9,000.00
Non-federal Match:	\$1,507.00
Total Amount:	\$9,000.00

2025 Special Program Grant

in progress

All in Vermont: Put YOUR History on the Map

Project Summary

For the 250th anniversary of the American Revolution, the Vermont Historical Society will build a statewide, place-based learning opportunity for Vermont students tied to the C3 Framework for Social Studies State Standards.

Outputs

- Educator Guide to support teachers in guiding their students through the research project process
- Local Historical Society Guide, dovetailing to Educator Guide
- Two educator workshops (in-person/online)
- Two Local Historical Society workshops (in-person/online)
- Support webpage dedicated to project on Vermont History Explorer website
- Online, interactive map housing student researched Vermont history

Outcomes

- Increased public awareness of the significant people, places, and events to the 250th in Vermont
- Student understanding of their personal history, and enhanced awareness of the impact of local history
- Students practice critical thinking and historical analysis skills while becoming involved citizens
- Partnership between educators and local historical societies

Organization:	Vermont Historical Society
Contact Person:	Eileen Corcoran
Mailing Address:	60 Washington Street Barre, VT 05641
Phone:	802-479-8500
E-mail:	eileen.corcoran@vermonthistory.org
Website:	Vermonthistory.org

NEIWPCC Code:	LS-2024-147
NPS	0988-019
Start Date:	11/21/2024
Close Date:	
Grant Amount:	\$40,000.00
Non-federal Match:	\$30,257.00
Total Amount:	\$40,000.00

2025 Special Program Grant

in progress

Clinton County's Pathway to America250

Project Summary

Collective projects by the Clinton County America250 Commemoration Committee in preparation for America250 Semiquincentennial

Outputs:

- Eight bilingual interpretive panels and a new exhibit at CCHA to include women and native Americans in the Revolution, Revolutionary heroes (Montgomery and Arnold) and sailors and the Battle of Valcour Island
- Upgrades to the Battle of Valcour diorama by Arto Monaco
- Educational materials for area elementary schools and educational sessions in schools
- One workshop each teaching skills to create period clothing, woven baskets and pottery
- Flags and promotional materials for each town in the county
- Four free events with speakers and reenactors educating the public about American250

Outcomes

- Skills needed to create period clothing, woven baskets and pottery demonstrated
- Flags and promotional materials such as stickers, trading cards, posters and challenge coins distributed to towns to expand reach in the region
- Regular communications promoting 2026 celebrations
- Towns initiating their own celebration plans

Organization: Clinton County Historical Association

Contact Person: Geri Favreau

Mailing Address: 98 Ohio Avenue
Plattsburgh, NY 12903

Phone: 518-561-0340

E-mail: gerifavreau@gmail.com

Website: www.clintoncountyhistorical.org

NEIWPCC Code: L-2024-157
GLFC 0100-340-005
Start Date: 01/07/2025
Close Date:
Grant Amount: \$40,000.00
Non-federal Match: \$39,281.00
Total Amount: \$40,000.00

2024 Special Program Grant

concluded

Empowering Youth for Climate Action in the Champlain-Adirondack Biosphere

Project Description

The Empowering Youth Project will increase youth climate education through summits and leadership training in climate science, biodiversity, sustainability, and solutions in the CABN and Frontenac Arch Biosphere.

Outputs:

- 140 students and 20 teachers participate in a CABN-focused Youth Climate Summit
- 22 Youth & 6 mentors from CABN and Frontenac Arch Biosphere participate in a 4 day retreat/cultural exchange

Outcomes:

- Youth & Educators increase awareness about Champlain-Adirondack & Frontenac Arch Biosphere reserve
- Youth better understand the cultural and ecological significance of their Biosphere
- Youth increase their leadership skills

Organization: The Wild Center

Contact Person: Jen Krester

Mailing Address: 45 Museum Drive
Tupper Lake, NY 12986

Phone: 518-359-7800 x138

E-mail: jkretser@wildcenter.org

Website: <https://www.wildcenter.org/>

NEIWPCC Code: L-2023-114

GLFC 0100-339-005

Start Date: 1/25/2024

Close Date: 1/30/2025

Grant Amount: \$40,000.00

Non-federal Match: \$41,250.00

Total Amount: \$81,250.00



2024 Special Program Grant

concluded

Future Forest Reimagined (FFR) through Man and the Biosphere Reserves

Project Description

Protect and restore old forests, and plan for ecologically managed forests in the Champlain Adirondack Bioregion (CABR) and 8 Eastern Canada Bioregions through international exchange, indigenous participation, and collaboration amongst the biosphere networks.

Outputs:

- Outreach to 8 Eastern Canada Bioregions in Quebec, New Brunswick, Nova Scotia, and Ontario as well as partners in New York and Vermont
- Development of 10 webinars, estimated 150 participants per webinar;

Outcomes:

- increased awareness of CABR in New York and Vermont
- international communication and cultural exchange between CABR and up to 8 other Eastern Canada biosphere regions
- advance Ecological Forestry, Identify and Protect Old Forests, and promote rewilding, restoration of old forests across the ecoregion through Man and the Biosphere Reserves.

Organization: Wildlands Network on Behalf of Champlain-Adirondack Biosphere Network

Contact Person: Christine Laporte

Mailing Address: PO Box 243
Salt Lake City, UT 84110

Phone: (828) 989-2950

E-mail: christine@wildlandsnetwork.org

Website: <https://www.wildlandsnetwork.org/>



NEIWPCC Code: L-2023-115
GLFC 0100-339-005
Start Date: 5/10/2024
Close Date: 5/7/2025
Grant Amount: \$40,000.00
Non-federal Match: \$17,418.00
Total Amount: \$57,418.00

2024 Special Program Grant

concluded

Local Solutions in the Champlain-Adirondack Biosphere

Project Description

The Folklife Center and its partners will create a series of mini-documentaries providing an intimate look at the people who are working toward a sustainable future in the Champlain-Adirondack Biosphere. We will seek out and work directly with people and communities from various backgrounds in a variety of settings to showcase a diversity of voices on either side of Lake Champlain, all working locally in their own ways to achieve the sustainable development goals as outlined by UNESCO. This series will be provided free to the public via iPad kiosks at host sites throughout CABN, a mobile phone app driving tour, and the Folklife Center's YouTube page.

Outputs:

- The Folklife Center and project partners will find and record the stories from a diversity of participants to create a mini documentary video series to showcase positive solutions in the Champlain-Adirondack Biosphere Network

Outcomes:

- The public will learn about the positive activities happening in the Champlain-Adirondack Biosphere building towards a sustainable future.

Organization: Folklife Center at
Crandall Public Library

Contact Person: Todd DeGarmo

Mailing Address: 251 Glen Street
Glens Falls, NY 12801

Phone: 518-792-6508 x237

E-mail: tdegarmo@sals.edu

Website: <https://www.crandalllibrary.org/life-center/about/>



NEIWPCC Code: LS-2024-129
NPS 988-018
Start Date: 9/24/2024
Close Date: 9/10/2025
Grant Amount: \$40,000.00
Non-federal Match: \$54,000.00
Total Amount: \$94,000.00

2025 Special Program Grant

in progress

Planning for a new American Revolution Exhibit

Project Summary

The Museum will undertake a comprehensive planning process to develop a new exhibit about the American Revolution to open in 2026.

Outputs

- A complete exhibit plan, including key takeaways, an object list, programming ideas, marketing strategy, stakeholder survey and analysis, exhibit scripts, exhibit design files, and cost and logistics breakdown for exhibit fabrication and installation.

Outcomes

- Increased awareness, understanding, and accessibility to the impact of the events of 1776 in the Champlain Valley

Organization: Lake Champlain Maritime Museum

Contact Person: Chris Sabick

Mailing Address: 4472 Basin Harbor Road
Vergennes, VT 05491

Phone: 802-475-2022

E-mail: chriss@lcmm.org

Website: www.lcmm.org

NEIWPCC Code: L-2024-156

GLFC 0100-340-005

Start Date: 01/03/2025

Close Date:

Grant Amount: \$40,000.00

Non-federal Match: \$6,600.00

Total Amount: \$40,000.00

2025 Special Program Grant

in progress

Revolutionizing Bixby Library's Outreach and Engagement

Project Summary

Bixby Library seeks to revolutionize connections with underserved individuals and groups throughout its five-town community by seeking input, planning, and piloting new approaches to increase appreciation, value, and utilization of library resources.

Outputs:

- profile(s) of inspiring local historical figures from Bixby's archives to demonstrate the power of revolutionary thinking; "Community Engagement Conversation(s)"
- report/presentation on results of Conversation(s) findings
- process/procedure document(s) to guide outreach programs
- communication plan to reach more individuals and organizations throughout Bixby's four rural communities
- one revolutionary-themed pilot program.

Outcomes:

- improved communications with rural residents
- increased rural awareness of, access to, and support of Bixby resources and programming
- more community partners and volunteers across our rural communities
- increased usage of library resources by previously unserved or underserved people and groups
- increased awareness, appreciation, and inspiration about our historic revolutionary residents.

Organization:	Bixby Memorial Free Library
Contact Person:	Catharine Hays
Mailing Address:	258 Main Street Vergennes, VT 05491
Phone:	802-877-2211
E-mail:	catharine.hays@bixbylibrary.org
Website:	https://bixbylibrary.org/

NEIWPCC Code:	L-2024-155
GLFC	0100-340-005
Start Date:	02/18/2025
Close Date:	
Grant Amount:	\$32,756.00
Non-federal Match:	\$5,771.00
Total Amount:	\$40,000.00

2025 Special Program Grant

in progress

Revolutionary Lives: Mapping a Cultural Resource – Stage 1

Project Summary

The Crandall Folklife Center will create a public access, web-based, cultural resource map of the region, highlighting the diverse communities occupying the upper Hudson/Champlain corridor at the time of the Battles of Saratoga 1777. The Folklife Center will work with Skidmore College's GIS department to create a cultural heritage map and provide student internships to add resources to the map.

Outputs:

- Content for cultural resource map, from allied organizations, scholars and other experts and resources pertaining to communities in the upper Hudson and Champlain valleys
- Internship/volunteers training and implementation

Outcomes:

- A networking of experts in various fields on the Revolutionary War period through a large, collaborative project with multiple partners.

Organization: Crandall Public Library

Contact Person: Todd DeGarmo

Mailing Address: 251 Glen Street
Glens Falls, NY 12801

Phone: 518-792-6508

E-mail: tdegarmo@sals.edu

Website: www.crandalllibrary.org

NEIWPCC Code: L-PO-2025-072

GLFC 0100-340-005

Start Date: 05/20/2025

Close Date:

Grant Amount: \$20,000.00

Non-federal Match: \$53,386.00

Total Amount: \$20,000.00

2025 Special Program Grant

in progress

Revolutionary Lives: Mapping a Cultural Resource – Stage 2

Project Summary

The Crandall Folklife Center will create a public access, web-based, cultural resource map of the region, highlighting the diverse communities occupying the upper Hudson/Champlain corridor at the time of the Battles of Saratoga 1777. Stage 2 includes launching a free, public-accessed cultural map and publicizing it with social media, an exhibition, and scholarly presentations for the 250th commemorations and hosting a public lecture series to be recorded and made available for later use.

Outputs:

- A published StoryMap of the American Revolution in the Champlain and Upper Hudson River valleys and a series of lectures focused on the history of the region in the late 18th century. Internship/volunteers training and implementation

Outcomes:

- A better understanding of the critical role Lake Champlain and the Hudson River played in the American Revolution through electronic media and traditional talks and lectures.

Organization: Crandall Public Library

Contact Person: Todd DeGarmo

Mailing Address: 251 Glen Street
Glens Falls, NY 12801

Phone: 518-792-6508

E-mail: tdegarmo@sals.edu

Website: www.crandalllibrary.org

NEIWPCC Code: L-PO-2025-091

GLFC 0100-340-005

Start Date: 07/21/2025

Close Date:

Grant Amount: \$20,000.00

Non-federal Match:

Total Amount: \$20,000.00

2024 Special Program Grant

concluded

Showcasing Sustainable Agritourism in the Champlain-Adirondack Biosphere

Project Description

Adirondack Harvest will grow sustainable international agritourism opportunities through storytelling and outreach in the Champlain-Adirondack Biosphere.

Outputs:

- 5 Videos featuring farms and small businesses with strong sustainable practices (prioritizing underrepresented communities)
- International marketing for two free community events reaching 4,000 people (Open Farm Weekend, Adirondack Harvest Festival)
- 1,000 Adirondack Cuisine Trail maps distributed
- 4 Articles in regional publications

Outcomes:

- Increased awareness of agriculture and sustainable agritourism throughout the Champlain-Adirondack Biosphere region
- Greater public support for, and understanding of, sustainable farm and forest practices and conservation in the Adirondack Region
- Stronger collaborations between tourism groups in the Adirondack region, Vermont, and Quebec

Organization: CCE of Essex County

Contact Person: Mary Godnick

Mailing Address: 8487 U.S. Route 9
Lewis, NY 12986

Phone: (518) 962-4810

E-mail: Mig339@cornell.edu

Website: <https://essex.cce.cornell.edu/>



NEIWPCC Code: LS-2023-108
NPS 998-018
Start Date: 2/27/2024
Close Date: 2/24/2025
Grant Amount: \$39,600.00
Non-federal Match: \$14,061.00
Total Amount: \$53,661.00

2024 Special Program Grant

concluded

Support for the Western New England Greenway

Project Description

The Western New England Greenway, also known as Bicycle Route 7, is a network of bike routes that connect New York City with Montreal. The CVNHP seeks collaboration with Local Motion to develop a marketing plan, conduct outreach activities, and coordinate with WNEG partners from Massachusetts and Connecticut.

Outputs:

- Hire a new WNEG Project Coordinator based at Local Motion
- Develop one-sheet document describing the WNEG
- Meet with related communities, regional planning commissions, elected officials, municipal & agency staff regarding the potential of the WNEG
- Assess level of traffic stress along the route and develop all ages & abilities concepts and/or route re-alignments
- Update Local Motion website with WNEG information
- Distribute WNEG maps
- Explore the state of Vermont bike tourism
- Participate in WNEG steering meetings.

Outcomes:

- Understand the WNEG route and evaluate opportunities for realignment to further economic goals and/or development of all ages and abilities infrastructure in at least five communities
- A better awareness of the WNEG by the public
- Enhanced bike tourism in Vermont, the CVNHP and along the WNEG

Organization: Local Motion

Contact Person: Christina Erickson

Mailing Address: 1 Steele Street, Suite 103
Burlington, VT 05401

Phone: 802-861-2700 x108

E-mail: christina@localmotion.org

Website: localmotion.org



NEIWPCC Code: LS-2023-086

NPS: 988-017/018

Start Date: 9/28/2023

Close Date: 7/14/2025

Grant Amount: \$60,000.00

Non-federal Match:

Total Amount: \$60,000.00

2024 Special Program Grant

concluded

The CAB Fiber Lab: Mapping Community Values in the Biosphere

Project Description

CAB Fiber Lab celebrates human values and voices in the CAB and strengthens the connection between people and cultural and natural heritage resources through a collaborative fiber-arts mapping experience.

Outputs:

- CAB Fiber Lab lesson plan and artist supply kit
- workshop plan
- 150-200 people reached through in-person workshops
- participation of 40-70 students in 2-3 school districts
- personalized fiber arts mapping projects displayed in local venues
- exhibition during 2024 Adirondack Water Week
- final exhibit containing cumulative project pieces displayed September-October 2024.

Outcomes:

- Public awareness of the CABN and the significance of the relationship between people and their environment; participant understanding and connection to cultural and natural heritage resources in their community
- participants learn to express environmental issues using artistic interpretation
- opportunities to share data and ideas through stronger partnerships and cross-border collaboration.

Organization: Adirondack Watershed Institute

Contact Person: Tom Collins

Mailing Address: PO Box 265
Paul Smith's, NY 12970

Phone: (518) 327-6155

E-mail: Tcollins1@paulsmiths.edu

Website: paulsmiths.edu



NEIWPCC Code: L-2023-112
GLFC 0100-339-005
Start Date: 1/12/2024
Close Date: 1/23/2025
Grant Amount: \$39,534.00
Non-federal Match: \$ 3,031.00
Total Amount: \$42,565.00

2023 Special Program Grant

in progress

The Champlain Canal at 200 Book Project

Project Description

Lake Champlain Maritime Museum will bring together leading scholars, researchers, archaeologists, and scientists to publish a new book to mark the 200th anniversary of the opening of the Champlain Canal.

Outputs:

- published anthology of articles by leading scholars, researchers, and scientists
- promotion of the new publication (social media and traditional media outreach)
- 4 book talks at local historical societies, libraries, and bookstores

Outcomes:

- create knowledge that helps researchers and the public make connections to the impact of the Champlain Canal on their community, their environment, and their own lives
- public will be inspired to make choices that supports the future health of Lake Champlain's environment and community.

Organization: Lake Champlain Maritime Museum

Contact Person: Chris Sabick

Mailing Address: 4472 Basin Harbor Road
Vergennes, VT 05491

Phone: (802) 475-2022

E-mail: ChrisS@lcmmm.org

Website: lcmmm.org



NEIWPCC Code: L-2022-102

GLFC 0100-337-005

Start Date: 12/14/2022

Close Date:

Grant Amount: \$30,000.00

Non-federal Match: \$ 5,000.00

Total Amount: \$35,000.00

2024 Special Program Grant

in progress

Valorization of the Richelieu River as a Corridor of Commerce

Project Description

The Valorization of the Richelieu River as a Corridor of Commerce project focuses on highlighting the Richelieu River as an important Corridor of Commerce, as well as its influence on the region's history, by offering activities and education to residents and visitors. The project includes the section of the Richelieu River between Saint-Jean-sur-Richelieu and Lacolle, Quebec and focuses on the shared heritage of the interconnected waterways of the CVNHP.

Outputs:

- Educational training tools
- a program highlighting the attractions and activities which focus on the river Richelieu and its history
- mobile app Anekdoté
- new interpretation panels which will educate the public on the historical and cultural impact of the Richelieu River on the region.

Outcomes:

- an increase of public awareness of the Richelieu River heritage impact
- businesses and employees who better understand the historical, cultural, environmental and touristic impact of the Richelieu River.

Organization: Tourisme Haut-Richelieu

Contact Person: Mireille Labranche

Mailing Address: 31 Frontenac Street
Saint-Jean-sur-Richelieu, Quebec, J3B 7X2

Phone: 450-542-9090

E-mail: labranchem@tourismehautrichelieu.ca

Website: tourismehautrichelieu.ca



NEIWPCC Code: L-2023-091
GLFC: 0100-337-005
Start Date: 10/25/2023
Close Date:
Grant Amount: \$ 50,000.00
Non-federal Match: \$ 50,000.00
Total Amount: \$100,000.00

2024 NY Organizational Support

in progress

Building Capacity to Engage Diverse Communities in Freshwater Stewardship

Project Description

The overarching goal over a two-year period is to expand the outreach, stewardship, and engagement capacity at the Ausable River Association (AsRA) allowing youth to experience scientific field exploration at levels appropriate to their learning and giving adults the knowledge to make decisions protective of natural waterways in their day-to-day lives.

Outputs:

- Hire a full-time permanent stewardship and outreach manager to expand the range and scope of our staff-scientist led experiential learning and steward opportunities.
- Create an advisor/partner network to identify and facilitate engagement with schools, other nonprofit programs, and community services within the Basin.
- Plan expansion of existing programming to up to four new venues and/or partners in one or more DEI communities by year two of funded period.
- Provide, at end of year two, a series of recommendations for providing outreach or stewardship engagement/support to specific DEI communities.

Outcomes:

- connecting people to freshwater and helping them enjoy it
- instilling an ethic of stewardship
- expanded long-term diversity and inclusion, bringing in members of communities new to the organization and better serving those already engaged with its programs

Organization: Ausable Freshwater Center

Contact Person: Madison Stroud

Mailing Address: PO Box 8
Wilmington NY 12997

Phone: 518-637-6859

E-mail: executive@ausableriver.org

Website: ausableriver.org



Kids in loaner gear, out in the river – some for the first time – learning alongside AsRA scientists.



NEIWPCC Code: LS-2024-128
EPA 0368-004-001
Start Date: 8/20/2024
Close Date:
Grant Amount: \$150,000.00
Non-federal Match: \$ 23,954.00
Total Amount: \$173,954.00

2025 New York Organizational Support

in progress

Communication strategies to educate farmers on soil health impacts on water quality.

Project Summary

CfG will expand its capacity to effectively implement its mission of supporting entities in the Champlain Basin to improve their soil health with an outcome of improved water quality through reduced erosion, decreased chemical inputs and decreased volumes of raw manure applications. CfG has supported dozens of farmers and other land managers to improve their soil health through compost application and generation, however with one staff currently dedicated to the project, we are limited in our capacity to effectively communicate opportunities and impacts and to develop useful resources and toolkits. We will subcontract with a communications expert who has extensive farming and composting experience and a certified soil health expert with extensive experience offering technical support and developing resources and educational materials. This will have a dramatic impact on CfG's ability to meet the growing demand for our services, while also increasing our ability to secure funding.

Outputs:

- Hire communications staff and soil health consultant.
- Develop and implement a marketing plan in coordination with ANCA communications staff.
- Outputs: Updates to ANCA's website; new social media accounts; press releases; social media posts including partner shares;
- resource documents formatted and added to the CfG toolkit directory; new partners engaged; podcast hosted; events or presentations/workshops hosted; metrics report with graphic representation.
- Enhance existing and develop new educational and training materials

Outcomes:

1. Expanded stakeholder and partner engagement
2. Increased communications capacity
3. Increased access to funding
4. Increased number of farmers and partners engaged

Organization: Adirondack North Country
Association's Compost for Good Project

Contact Person: Jennifer Perry

Mailing Address: 67 Main Street Suite 201
Saranac Lake, NY 12983

Phone: 518-891-6200

E-mail: jperry@adirondack.org

Website: www.adirondack.org

9. Improved water quality in the Champlain Basin via decreased erosion, pesticide runoff and nutrient loading
10. Increased number of farmers converting organic material to compost
11. Increased rates of compost applied
12. Improved soil health
13. Increased awareness of the impacts of compost applications on water quality among water quality organizations
14. Increased farmer and community resilience

NEIWPC Code: LS-2025-103

EPA: 0373-005-001

Start Date: 08/13/2025

Close Date:

Grant Amount: \$34,100.00

Non-federal Match: \$28,080.00

Total Amount: \$62,180.00

2024 NY Organizational Support

in progress

Growing Capacity at the Boquet River Association: Seed Funding for Executive Director Role

Project Description

BRASS seeks seed funding to hire a salaried Executive Director (ED) to build capacity from an all-volunteer non-profit to a proactive and professionalized watershed stewardship organization. This position will be responsible for project coordination; relationship building; regular communication with stakeholders including the public, members and the Board of Directors (BOD); administration and day-to-day operations (e.g., project tracking, correspondence, and routine finances); social media content, grant identification, writing, reporting; and assisting the Board with project prioritizing, grant-writing, strategic planning, and managing organizational risk. Other than grant-writing, any fundraising activities the ED takes part will be tracked and be compensated from BRASS' unrestricted general funds.

Outputs:

- regular communication with the public
- coordinating watershed water quality testing and volunteer activities (including replanting & clean-up days)
- grant applications
- involvement with Boquet Partnership projects for habitat restoration and climate resiliency (including Elizabethtown "Pool Digger" dam removal, Willsboro cribbing replacement, Beaver Brook mitigation)
- Cold Brook, Spruce Mill Brook and Moss Road culvert/bridge work)
- partnering with CVTEC on workforce development for high school students among other projects.

Outcomes:

- new five- year strategic plan and ED to increase BRASS capacity into the future

Organization: Boquet River Association

Contact Person: Victor Putman

Mailing Address: 5 Farrell Rd.
Willsboro, NY 12996

Phone: 518 593 2887

E-mail: vicputman@gmail.com

Website: boquet-river.org

NEIWPCC Code: LS-2024-132
EPA 0368-004-001

Start Date: 8/16/2024

Close Date:

Grant Amount: \$150,000.00

Non-federal Match: \$ 75,494.00

Total Amount: \$225,494.00



2024 NY Organizational Support

in progress

Increasing Workforce Capacity to Build Community Resiliency and Aquatic Reconnection Momentum in the Saranac River

Project Description

The project goal is to build a coalition of engaged stakeholders to protect, enhance and reconnect healthy river ecosystems, to support thriving and resilient communities throughout the Saranac River watershed.

Outputs:

- Strategic Action Plan for the Saranac, with strategies identified to benefit the human and ecological communities.
- Two internship opportunities will be developed
- TU Costa 5 Rivers programs will be established and provide an additional conduit for engagement and data collection
- develop a monitoring plan for the Saranac
- plan and sponsor multiple volunteer events each year and will culminate in a fall, State of the Saranac program
- Landowner outreach strategy development and implementation
- advance two priority culvert replacement projects

Outcomes:

- sustain and enhance fish and wildlife habitat by restoring stable stream conditions, improving water quality, and reconnecting stream corridors.
- more informed and connected public

Organization:	Trout Unlimited
Contact Person:	Jacob Fetterman
Mailing Address:	1777 N Kent St, Ste 100 Arlington, VA 22209
Phone:	(570) 751-8773
E-mail:	Jacob.Fetterman@tu.org
Website:	https://www.tu.org/



TU Costa 5 Rivers Programs connect local college students to conservation work ongoing in their backyards. This photo is from Willowemoc Creek, where the Cobleskill TU Costa 5 Rivers Program came out to support a riparian planting project.



NEIWPC Code:	LS-2024-137
EPA	0364-005-001
Start Date:	9/9/2024
Close Date:	
Grant Amount:	\$ 99,806.00
Non-federal Match:	\$ 57,142.00
Total Amount:	\$156,948.00

2025 New York Organizational Support

in progress

Investing in NYS water quality protection through staff professional development

Project Summary

This project aims to enhance water quality protection in NYS Basin communities by investing in the professional development of the Adirondack Watershed Institute's team with an emphasis on our lab team and emerging leaders. Activities include specialized lab training, conference attendance, and grant writing workshops. This investment will strengthen our research capabilities, help us meet our certified laboratory compliance requirements, ensure the organization's financial sustainability, and effectively communicate findings to the public.

Outputs:

- # of lab staff successfully completing training on ICP, mass spectrometry, and microscope; # of staff attending the NELAC Forum and Environmental Measurement Symposium; # of trainings/workshops completed by Lab Safety Officer; # of staff completing grant writing workshops and list of types of grant workshops completed.
- documentation of new analytical methods or improved laboratory procedures as a result of staff training; # grant applications submitted by AWI staff following grant writing workshops.
- # of staff attending NALMS conference; # of staff attending relevant conferences within the Lake Champlain Basin and list of conferences.
- documentation of new or strengthened relationships with other organizations working in the Lake Champlain Basin and with other relevant organizations.

Outcomes:

- increase AWI's capacity to address environmental challenges and strengthen public awareness and understanding of issues in the Basin
- Improve accuracy and efficiency of water quality analyses

Increased staff proficiency using advanced lab

Organization: Paul Smith's College Adirondack Watershed Institute
 Contact Person: Zoe Smith
 Mailing Address: Paul Smith's College, PO Box 265
 Paul Smiths, NY 12970
 Phone: 518-327-6145
 E-mail: zsmith1@paulsmiths.edu
 Website: <https://www.adkwatershed.org/>

- instruments
- Development of stronger partnerships with other Basin organizations, leading to more collaborative and impactful projects
- Enhanced ability to effectively communicate scientific information to the public, stakeholders, and decision-makers
- Increased staff satisfaction and retention rates, leading to a more stable and effective workforce for AWI.

NEIWPCC Code: LS-2025-105
 EPA: 0373-005-001
 Start Date: 08/22/2025
 Close Date:
 Grant Amount: \$38,551.00
 Non-federal Match: \$14,053.00
 Total Amount: \$74,016.00

2025 New York Organizational Support

in progress

LCC NY Education & Field Position

Project Summary

LCC seeks LCBP grant funding to hire, train, and implement a New York-based Education and Field position to enhance the organization's capacity for executing projects in the Lake Champlain watershed, focusing on education, lake access, pollution reduction, water quality monitoring, and aquatic invasive species management, while strengthening local collaboration and improving ecological health and community involvement in the region. This role will enhance LCC's capacity to execute NY-based projects, streamline operations, and strengthen our regional presence. It will also deepen collaboration with local organizations and agencies to improve ecological health within the Lake Champlain watershed.

Outputs:

- support LCC's communications efforts on lake natural history and environmental issues, focusing on NY outreach. They will produce educational materials for LCC's E-newsletter, website, and social media, and collaborate with the Champlain Basin Education Initiative (CBEI) to
 - engage NY state and municipal agencies to expand and maintain the Trail system in NY, including adding new trail sites, re-signing existing ones, addressing maintenance needs, providing site descriptions for the annual Trail guidebook, creating a NY-based day-trip guide, and recruiting/training trail stewards for remote sites.
 - address water quality, ecosystem health, and climate resilience issues in NY. Initiatives include participating in the Lawn to Lake group, collaborating on salt reduction efforts, working on stormwater reduction programs from LCC's school stormwater assessments, participating in the Marine Debris Community Action Coalition, and contributing to the NY Dam Task Force for ecosystem connectivity.
- assist in cyanobacteria monitoring by responding to sightings in NY areas with limited municipal or state capacity for on-site assessments and engage in

Organization: Lake Champlain Committee
Contact Person: Jenny Patterson
Mailing Address: 208 Flynn Avenue, Building 3, Studio 3F
Burlington, VT 05401
Phone: 802-658-1421
E-mail: jennyp@lakechamplaincommittee.org
Website: www.lakechamplaincommittee.org

- community education on cyanobacteria's impact on water quality.
- strengthen the Champlain Aquatic Invasive Species Monitoring Program (CHAMP) by increasing participation in NY, coordinating AIS assessments, and hosting community-based monitoring events in NY shoreline communities.

Outcomes:

- increased capacity to engage in New York-based conversations, programs, and actions related to clean water, healthy ecosystem, and informed community goals.
- Greater New York community member involvement in lake stewardship.
- Enhanced recreational opportunities through a new site, better signage, and a day trippers' write up for New York shoreline paddling.
- Increased public awareness of water quality issues in general and cyanobacteria, aquatic invasive species, marine debris, and nutrient and stormwater pollution
- More collaborative opportunities with New York organizations to help leverage more resources for environmental protection and restoration.

NEIWPC Code: LS-2025-118
EPA: 0373-005-001
Start Date: 09/22/2025
Close Date:
Grant Amount: \$101,200.00
Non-federal Match: \$15,437.00
Total Amount: \$126,637.00

2025 New York Organizational Support

in progress

Riparian Ecosystem Recovery: Capacity Development at Ausable Freshwater Center

Project Summary

This project will increase capacity of current AFC staff through training opportunities and provide seed funds for a coordinator to lead this nascent effort. As an outgrowth of our habitat program, we inaugurated the Ausable Conservation Nursery with the hope of delivering up to 100,000 hyperlocal native plant stems per year by 2027. To us, the next step is obvious: use these four areas of scientific strength to broadly and effectively advance our delivery of riparian ecosystem recovery services. The goal is to transform our capacity to repair, restore, and revegetate streambanks, floodplains, wetlands, and other riparian areas considered priorities for Adirondack ecosystem protection and for future resilience—recovering to the extent possible the potential of each ecosystem. To achieve this goal additional specialized training for AFC science staff will be provided and a team coordinator will be hired for the program. The result: a lean, efficient, and focused team with expertise in revegetating riparian ecosystems to maximize freshwater system health, flood resilience, native species habitat and self-sustaining ecosystem health.

Outputs:

- Round 1 Coursework and Training completed by appropriate staff
- Round 2 Coursework and Training completed by appropriate staff
- Definition of coordinator position (job description), candidate search, and hire information (bio or CV).
- Field season schedule for 2026.
- List of partner outreach to make others aware of the availability of the recovery team.
- End of year 1 field season brief assessment document with likely 2027 project list.

Outcomes:

- Significant increase in professional capacity and expertise among key Ausable Freshwater Center staff.
- Increased capacity to identify and implement riparian ecosystem recovery efforts using a team oriented

Organization: Ausable Freshwater Center
Contact Person: Carrienne Pershyn and Gary Henry
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Wilmington, NY 12997
Phone: 518-637-6859
E-mail: carrie@ausablecenter.org
Website: ausablecenter.org

- approach that reduces the need for short term addition.
- Increased capacity for assistance to towns, partner organizations, and landowners looking for green infrastructure/riparian planting, restoration, recovery options to pursue waterwise development or create flood/storm/drought resilience in Adirondack communities.

NEIWPCC Code: LS-2025-101
EPA: 0373-005-001
Start Date: 08/06/2025
Close Date:
Grant Amount: \$129,000.00
Non-federal Match: \$10,681.00
Total Amount: \$139,681.00

2025 Organizational Support

in progress

2025 Healthy Streams Workshops

Project Summary

The Boquet River Association (BRASS) BRASS will host a series of workshops to provide training on low-tech process-based stream restoration (LTPBR), strategic woody additions (SWA), and roadside ditch improvements to improve water quality within the Boquet Watershed. The workshops will build skills and capacity for BRASS staff, board, members, and volunteers.

Outputs:

- Written, video, and photo documentation of the workshops for free public consumption
- Document participant experiences
- Document partners' plans for future implementation projects using learned techniques

Outcomes:

- A newly trained cohort of BRASS staff, board, members and volunteers along with partner organizations familiar with and able to implement LTPBR projects in Adirondack/Lake Champlain Basin streams, creeks and tributaries.
- A newly trained cohort of BRASS staff, board and volunteers along with partners who will be familiar with and able to educate the public about, and implement BMPs for roadside ditches throughout our region.
- Decreased erosion, improved habitat, greater groundwater recharge and lower velocity flood volumes on streams with implemented LTPBR projects.
- Decreased sedimentation, decreased erosion and lower maintenance time and effort for roadside ditches with consequent improved water quality in streams at ditch outfalls.

Organization: Boquet River Association
 Contact Person: Colin Powers
 Mailing Address: 5 Farrell Rd.
 Willsboro, NY 12996
 Phone: 518-593-2887
 E-mail: colin@boquet-river.org
 Website: www.boquet-river.org

NEIWPCC Code: LS-2025-111
 EPA: 0373-005-001
 Start Date: 08/26/2025
 Close Date:
 Grant Amount: \$19,255.00
 Non-federal Match: \$2,791.00
 Total Amount: \$22,046.00

2025 Organizational Support

in progress

2025 Organizational Support Project

Project Summary

The Chazy Lake Watershed Initiative (CLWI) will educate and inform local government officials, property owners, visitors, partners, and other stakeholders about ways to protect and preserve Chazy Lake and its Watershed by hiring season staff, erecting a kiosk, creating and distributing educational materials, and managing their contact database.

Outputs:

- Printed meeting agendas, handouts, meeting minutes, and BioBase maps for installation in the informational kiosks
- An informational kiosk filled with information about aquatic and terrestrial invasive species
- An expanded and enhanced contact database to reach a broader audience

Outcomes:

- More effective communication with a broader audiences for the dissemination of information concerning the protection and preservation of Chazy Lake and its Watershed
- Better educated and informed CLWI members
- Better educated and informed local government officials, property owners, visitors, partners, and other stakeholders.
- Better educated and informed users of the DEC campsites via a kiosk filled with information about the aquatic and terrestrial invasive species
- An increase in the number of volunteers participating in the fulfillment of CLWI's mission

Organization: Chazy Lake Watershed Initiative, Inc.
Contact Person: Mark Denicore
Mailing Address: PO Box 34
Waterford, VA 20197
Phone: 703-819-3688
E-mail: info@chazylake.org
Website: chazylake.org

NEIWPCC Code: LS-PO-2025-088
EPA: 0373-005-001
Start Date: 06/25/2025
Close Date:
Grant Amount: \$15,250.00
Non-federal Match: \$6,343.00
Total Amount: \$21,593.00

2025 Organizational Support

in progress

2025 Organizational Support Project

Project Summary

The Chazy Lake Watershed Initiative (CLWI) will educate and inform its local government officials, property owners, visitors, partners, and other stakeholders about the ways we can understand the historical significance of the Lake by engaging a National Register of Historic Places (NRHP) consultant to assist CLWI in listing Chazy Lake's historic Pump House on the NRHP.

Outputs:

- Listing of Chazy Lake's historic Pump House on the National Register of Historic Places with supporting documentation
-

Outcomes:

- More effective communication to a broader and more diverse audience about the historical significance of Chazy Lake and its watershed
- Better educated and informed CLWI members, informed local government officials, property owners, visitors, partners, and other stakeholders.
- An increase in the number of volunteers participating in the fulfillment of CLWI's mission

Organization: Chazy Lake Watershed Initiative, Inc.
Contact Person: Mark Denicore
Mailing Address: PO Box 34
Waterford, VA 20197
Phone: 703-819-3688
E-mail: info@chazylake.org
Website: chazylake.org

NEIWPCC Code: PO 100701
EPA: 0988-019
Start Date: 07/23/2025
Close Date:
Grant Amount: \$4,250.00
Non-federal Match: \$0.00
Total Amount: \$4,250.00

2024 Organizational Support

in progress

An Organizational Refresh for Enhanced Impact in the Lake Champlain Basin

Project Description

GICNRCD is embarking on an organizational refresh that encompasses a logo redesign, website development, and improvement of our file management system. The creation of a logo and dedicated website, in collaboration with a designer, will fortify our brand identity and serve as a permanent hub for crucial organizational information, such as services, staff, project reporting, lake and watershed resources, and collaborations with local, regional, and state partners. An improved file management system is essential for compliance with Vermont state statutes, the preservation of our history, and more efficient administrative management. These enhancements will contribute uniquely to our capacity, accessibility, and efficiency in addressing natural resources concerns — whether on farms, wetlands, shorelines, or streams. As a result, stewards will be better equipped to take actions that benefit the watershed.

Outputs:

- New Logo
- Dedicated Website
- Improved File Management Systems

Outcomes:

- Engage and Support Community and Management Partners. Through a new logo and a dedicated website, GICNRCD will provide a permanent platform for connecting with the public and key stakeholders. This platform will educate the public on our services and the outcomes of projects
- encourage community-wide support for and participation in a variety of water-quality initiatives
- promoting individual efforts geared towards water quality, and more.

Organization: Grand Isle County Natural Resources Conservation District

Contact Person: Molly Varner

Mailing Address: PO Box 212
North Hero, VT 05474

Phone: (802) 372-8400

E-mail: molly.gicnrcd@gmail.com

Website: vacd.org/grandisle



The Grand Isle County Natural Resources Conservation District staff and supervisors are excited to solidify their longstanding commitment to the Lake Champlain Basin and offer greater support to the community through an organizational refresh aimed at improving operations and outreach efforts.

NEIWPCC Code: LS-2024-114
EPA 0368-005-001
Start Date: 9/9/2024
Close Date:
Grant Amount: \$ 14,875.00
Non-federal Match: \$ 740.00
Total Amount: \$15,615.00



2024 Organizational Support

concluded

Chazy Lake Watershed Initiative Organizational Support Project 2024

Project Description

CLWI plans to initiate a multi-prong approach to more effectively educate and inform stakeholders about the ways we can work together to protect and preserve Chazy Lake and its Watershed.

Outputs:

- Design, fabricate, and install a new informational kiosk
- Expand and enhance CLWI's contact database

Outcomes:

- more effective communication with a broader and more diverse audience for the dissemination of information concerning the protection and preservation of Chazy Lake and its Watershed
- better educated and informed members of CLWI, local government, property owners, visitors, partners, and other stakeholders
- extending CLWI's message to a broader and more diverse audience which will lead to increased donations.

Organization: Chazy Lake Watershed Initiative

Contact Person: Mark Denicore

Mailing Address: PO Box 34
Waterford, VA

Phone: (703) 819-3688

E-mail: info@chazylake.org

Website: chazylake.org



CLWI plans to design, fabricate, and erect another informational kiosk at the Town Beach during the summer of 2024.



NEIWPCC Code:	LS-2024-133
EPA	0368-005-001
Start Date:	8/22/2024
Close Date:	5/5/2025
Grant Amount:	\$ 14,400.00
Non-federal Match:	\$ 4,771.00
Total Amount:	\$19,171.00

2024 Organizational Support

in progress

Community Sailing Center Website Overhaul

Project Description

Lake Champlain Community Sailing Center (CSC) seeks to increase organizational capacity by completely overhauling its primary website (www.communitysailingcenter.org) which was launched in 2014. Due to rapid changes in technology, the existing site is incompatible with point-of-sale software used for program registrations and is unable to adapt to new functionalities that would assist with outreach, education, and philanthropy.

Outputs:

- a new website
- fully leveraged e-commerce system

Outcomes:

The new website will:

- facilitate healthy lake-based recreation which fosters an appreciation of the lake and watershed. CSC promotes sustainability, encourages ethical use of all lands and waters, and provides access to these recreation resources for all members of the community. CSC fosters diversity in lake-based recreation
- promote efforts to attract international travelers
- promote sustainable recreational activities that feature the natural resources in the CVNHP. CSC provides public access to the waterbodies of the Basin and interconnected waterways of the CVNHP for diverse recreational activities
- will emphasize recreational ethics, public safety, sustainable use, and stewardship of cultural and natural resources

Organization: Lake Champlain Community Sailing Center

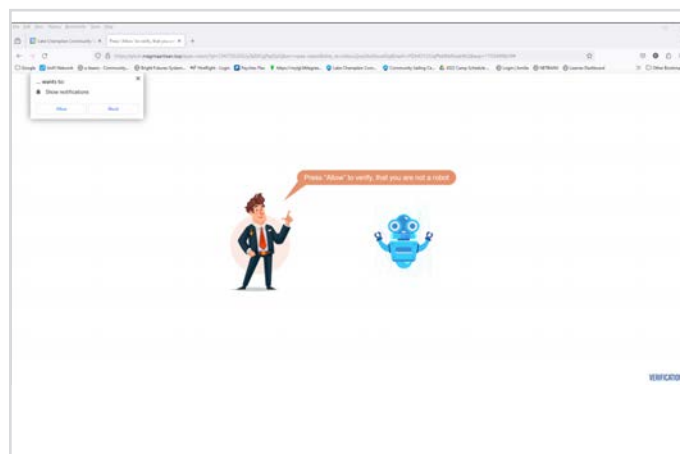
Contact Person: Janet Callison

Mailing Address: 505 Lake Street
Burlington, VT 05401

Phone: 802-864-2499

E-mail: janet@communitysailingcenter.org

Website: communitysailingcenter.org



NEIWPCC Code: LS-2024-126
EPA 0368-005-001
Start Date: 9/9/2024
Close Date:
Grant Amount: \$20,000.00
Non-federal Match: \$ 8,347.00
Total Amount: \$28,347.00

2024 Organizational Support

in progress

Creating a New Strategic Plan for the Boquet River Association and Preparing for an Executive Director

Project Description

Creating a new Strategic Plan will help BRASS transition from a strictly volunteer organization to one with full-time staff that takes a leadership role in improving water quality, creating healthy ecosystems and fostering thriving, resilient communities on the Boquet River. The plan will provide written guidance and clear directives to help the Board of Directors (BOD) and Executive Director (ED) manage multiple priorities, implement goals, measure outcomes and share information with partners and communities.

The second objective is to coach the Board on best practices in nonprofit management, accounting and employee relations as the organization hires a new Executive Director. This will ensure that the new position serves as a multiplier - increasing the effectiveness of both the Board and the ED - taking best advantage of the expertise and skills of both.

Outputs:

- clearly articulated Strategic Plan that will be shared with the community and guide the actions of the organization for the next five years
- suite of procedures and expectations for the management, administration and partnership of the Executive Director and the BOD.

Outcomes:

- Engage and support community and management partners
- Support water-wise economic development
- Support Lake and Basin recreation

Organization: Boquet River Association

Contact Person: Victor Putman

Mailing Address: 5 Farrell Rd.
Willsboro, NY 12996

Phone: 518 593 2887

E-mail: vicputman@gmail.com

Website: boquet-river.org



NEIWPCC Code: LS-2024-104
EPA 0368-005-001
Start Date: 7/31/2024
Close Date:
Grant Amount: \$20,000.00
Non-federal Match: \$25,247.00
Total Amount: \$45,247.00

2024 Organizational Support

in progress

Creating Sustainable Systems for Friends of Northern Lake Champlain

Project Description

This support grant is to improve upon our cloud-based document management system and our accounting systems in order to operate more efficiently and provide a sustainable base for our work moving forward. In terms of fundraising, we will improve our ability to track individual and business donations with the help of a donor management platform, and we'll strive to identify new grant sources with a grant-finding platform. After one year, we expect to raise enough money in individual donations to cover the annual cost of these platforms. With our growing staff, we look to provide the needed tech for day-to-day work, and we'll improve our efficiency and our visibility as water monitors in our communities with the requests to support our field work.

Outputs:

- IT Consultant
- Accounting consultant
- purchase of donor Management Software
- Subscription to Grant Database
- Tech and Materials for Water Monitoring
- Computer Equipment

Outcomes:

- evolve as a non-profit and build a more efficient and sustainable organization.

Organization: Friends of Northern Lake Champlain

Contact Person: Bridget Butler

Mailing Address: PO Box 1145
Saint Albans, VT 05478

Phone: (802)522-2135

E-mail: bbutler@friendsofnorthernlake
champlain.org

Website: friendsofnorthernlakechamplain.org



*Water quality sampling on the Rock River in Highgate, VT.
Photo credit: FNLC staff . *There will be no water quality
sampling carried out within this project**



NEIWPCC Code: L-2024-100
GLFC 0100-339-004
Start Date: 7/30/2024
Close Date:
Grant Amount: \$12,246.00
Non-federal Match: \$ 6,376.00
Total Amount: \$18,622.00

2024 Organizational Support

in progress

CWICNY Outreach Support

Project Description

The objective of this project will be more universal, impactful, and well-utilized water quality outreach in the New York portion of the Lake Champlain Basin region. The overall purpose is to better inform the public of water quality concerns and best practices, showcase implemented projects, learn about and implement new projects, and to better engage the public and partners

Outputs:

- an improved website to better promote CWICNY programs and water quality best management practices
- development of effective displays for outreach events, and outreach materials created from the purchase of a graphic design subscription and other project related supplies.

Outcomes:

- more efficient management of the website
- increased participation in CWICNY programs, including the North Country Stormwater Tradeshaw
- centralized hub for regional water quality related information.

Organization: CWICNY

Contact Person: Alice Halloran

Mailing Address: PO Box 407
Westport, NY 12993

Phone: 518-962-8225

E-mail: ahalloran@essexcountyswcd.org

Website: CWICNY.org



Current CWICNY website that needs updating.



NEIWPCC Code: LS-2024-103
EPA 0368-005-001
Start Date: 8/19/2024
Close Date:
Grant Amount: \$16,500.00
Non-federal Match: \$ 2,400.00
Total Amount: \$18,900.00

2021 Local Implementation Grant

concluded

Diversity, Equity and Inclusion Training

Project Summary

The Lake Champlain Committee (LCC) will use the organizational support grant to expand Diversity, Equity, and Inclusion training to strengthen abilities as a nonprofit organization dedicated to a healthy, accessible lake. Project outputs will include staff and Board participation in trainings and meetings with representatives of under-served communities to assist in shaping our programs to better support and involve them. This is part of ongoing work that LCC is conducting to build greater capacity to meet its mission. Funds will offset costs for trainings and pay for the time of representatives from under-served communities to provide guidance on our work.

Outputs:

- staff and Board participation in trainings and meetings with representatives of under-served communities to assist in shaping our programs to better support and involve them

Outcomes:

- build greater capacity

Organization: Lake Champlain Committee

Contact Person: Lori Fisher

Mailing Address: 208 Flynn Avenue, Building 3
Studio 3F | Burlington, VT 05401

Phone: 802 658-1421

E-mail: lorif@lakechamplaincommittee.org

Website: www.lakechamplaincommittee.org



Screen shot of LCC website page showing our statement regarding the 1/6/21 attack on the U.S. Capitol. The full statement is accessible through this link: <https://www.lakechamplaincommittee.org/lcc-statement-on-1/6/21-attack-on-the-us-capitol>. Additional DEI training supported through the grant will help expand our outreach and advocacy on issues of racial justice related to our mission of a clean, accessible lake.



NEIWPCC Code: L-2021-065
GLFC 0100-331-004
Start Date: 5/20/2021
Close Date: 9/15/2025
Grant Amount: \$4,000.00
Non-federal Match: \$3,800.00
Total Amount: \$7,800.00

2024 Organizational Support

in progress

EDIJB Coaching for Friends of the Mad River

Project Description

Friends of the Mad River (FMR) will build on the work completed in 2023 (L-2021-036). Through direct, consultant-led coaching, workshops, and a wide range of individual ‘homework’, staff and board members will review programs, messaging, and partnerships through the principles of Equity, Diversity, Inclusion, Justice, & Belonging (EDIJB). This project will run parallel with capacity-focused strategic planning and inform a long-term vision for the organization. Given the nuanced nature of this work and FMR’s strategic planning efforts already underway, this project will adaptively manage the content of a series of quarterly sessions with an EDIJB consultant to reflect emerging priorities and opportunities. It is likely that early workshops and coaching sessions will focus on building relationships with Black, Indigenous, and Persons of Color (BIPOC) focused and led groups in the Mad River Valley. Additional early topics might include publishing EDIJB statements, implicit bias training, and examining equity in volunteer recruitment and programs.

Outputs:

- quarterly sessions with an EDIJB consultant to reflect emerging priorities and opportunities
- coaching sessions and materials

Outcomes:

- commitment to promoting engagement among and between citizens
- development of staff capacity within watershed organizations
- fostering more inclusive access to the Basin’s watershed resources.

Organization:	Friends of the Mad River
Contact Person:	Ira Shadis
Mailing Address:	4061 Main Street Waitsfield VT 05673
Phone:	802-496-9127
E-mail:	info@friendsofthemadriver.org
Website:	www.friendsofthemadriver.org



FMR board members and their families gather on a summer day in Warren



NEIWPCC Code:	LS-2024-113
EPA	0368-005-001
Start Date:	8/26/2024
Close Date:	
Grant Amount:	\$19,977.00
Non-federal Match:	\$ 916.00
Total Amount:	\$20,893.00

2024 Organizational Support

in progress

Expanding Digital Capacity to Foster Public Education and Engagement in New York

Project Description

The importance of updating and maintaining the AsRA website as a digital tool and resource for the public is pressing, particularly with the merger of AsRA and the Adirondack Lakes Survey Corporation (ALSC). The AsRA website content management system (Drupal 7) is becoming obsolete and the existing ALSC website is already incapable of supporting the critical data from its 30 years of intensive study of Adirondack water and air quality. ALSC's site is to be merged with the AsRA website. Our objective is to rebuild the AsRA website using a new content management system that will also become the home of the ALSC's website content.

Outputs:

- transfer and update the AsRA website to a content management system (CMS) capable of maintaining ease of use for the public and supporting the breadth of data and resources resulting from our work
- merge content from the current ALSC website into our website
- ensuring the groundbreaking ALSC data that informed the federal Clean Air Act Amendments of 1990 and continues to serve as a cornerstone of acid rain and climate change remains publicly accessible
- expand the website's educational capacity to advance science-based education and stewardship of waters throughout the Adirondack Park with an emphasis on NY Lake Champlain basin watersheds.

Outcomes:

- increase community awareness and create deeper understanding, and foster communities of citizen conservationists
- increase public access to information on local recreational opportunities, ecology, water quality, and stream restoration in the Ausable watershed and neighboring watersheds

Organization: Ausable Freshwater Center

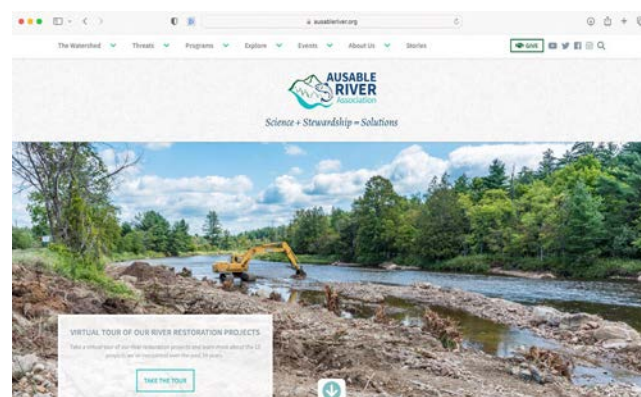
Contact Person: Madison Stroud

Mailing Address: 1181 Haselton Road
Wilmington NY 12997

Phone: 518-637-6859

E-mail: madison@ausablecenter.org

Website: ausablecenter.org



Screenshot of the current Ausable River Association website prior to project.

NEIWPCC Code: LS-2024-107
EPA 0368-005-001

Start Date: 7/11/2024

Close Date:

Grant Amount: \$20,000.00

Non-federal Match: \$18,819.00

Total Amount: \$38,819.00



2024 Organizational Support

concluded

Franklin County Natural Resources Conservation District Organizational Support 24/25

Project Description

This project will improve our organization's capacity and long-term effectiveness for working to implement elements and strategies of LCBP's *Opportunities for Action* to strengthen and improve our abilities on the ground in Franklin County. This project builds off of our 2023 strategic planning process which identified needs related to employee development and retention, community engagement, longterm viability, and financial health.

Outputs:

- purchase of equipment and software to support our transition out of of the NRCS office
- trainings to improve staff understand of DEIJ principles and their applicability to our work with our communities
- trainings to develop a fuller understanding of organizational and financial management
- development and piloting of annual review and professional development planning templates to support staff development and retention.

Outcomes:

- increased organizational capacity
- long-term sustainability and impact of the organization.

Organization: Franklin County Natural Resources Conservation District

Contact Person: Lauren Weston

Mailing Address: 50 S. Main St. Ste B-20
St. Albans, VT 05478

Phone: 802-528-4176

E-mail: lauren.weston@usda.gov

Website: franklincountynrcd.org



Staff from the Franklin County Natural Resources Conservation District (FCNRC) and neighboring NRCDs met with FCNRC Supervisors in Enosburg, Vermont in 2022 to learn about dairy farming in Franklin County and strengthen relationships.



NEIWPCC Code: LS-2024-116
EPA 0368-005-001
Start Date: 8/29/2024
Close Date: 9/8/2025
Grant Amount: \$20,000.00
Non-federal Match: \$ 5,900.00
Total Amount: \$25,900.00



2024 Organizational Support

in progress

Friends of the Winooski River Sustainability Roadmap

Project Description

The project objective is to support the board of directors and staff in developing a shared understanding of Friends of the Winooski River's potential long-term role in the environmental conservation and restoration landscape in Vermont, and a plan of actions to work toward the desired status. FWR will retain a skilled consultant to design a process of engagement with internal stakeholders, external stakeholders, and watershed residents; analysis of the input from all parties; and support for the organization to implement solutions to areas of weakness and leverage opportunities for sustainable growth.

Outputs:

- design and implementation of three unique engagement programs
- three facilitated board workshops
- report of findings and recommendations for action

Outcomes:

- engage the board, staff, and stakeholders throughout a process to produce a plan for sustainable growth

Organization: Friends of the Winooski River, Inc.

Contact Person: Michele Braun

Mailing Address: 21 Marvin St
Montpelier, VT 05602

Phone: 802-279-3771

E-mail: info@winooskiriver.org

Website: winooskiriver.org

NEIWPCC Code: LS-2024-117
EPA 0368-005-001
Start Date: 9/9/2024
Close Date:
Grant Amount: \$19,994.00
Non-federal Match: \$ 1,221.00
Total Amount: \$21,215.00



2024 Organizational Support

in progress

Growth in the Missisquoi Watershed

Project Description

This project will enable the MRBA to continue achieving excellence as we serve communities within the Missisquoi watershed and beyond, supporting the often-niche demands of watershed restoration and resilience while simultaneously improving our organization

Outputs:

- purchase upgraded technology (new laptop and additional year-lease on our printer) and branded MRBA outreach materials (tent and tablecloth)
- establish human resource policies and staff benefits, and fund time for staff to continue the important work of visiting and connecting with our watershed communities
- staff training and professional development, and to address our newly recognized need to catch up with human resources-related policies, ensuring that our organization is compliant, attractive to new hires, and attentive to the needs of our valuable staff
- providing staff with opportunities for professional development and other competitive benefits will encourage retention of the strong team we have built.

Outcomes:

- incentivize a thriving community and river stewardship

Organization: Missisquoi River Basin Association

Contact Person: Lindsey Wight

Mailing Address: 2839 VT-105
East Berkshire, VT 05447

Phone: 802-933-3645

E-mail: lindsey@mrbavt.com

Website: mrbavt.com



MRBA booth at a partnership and community-oriented Fishing Festival in Enosburg Falls May 2023; having passive outreach materials such as a branded tent and tablecloth will help the MRBA become a more recognizable organization and community resource. Photo Credit: L Weston.



NEIWPCC Code: LS-2024-134
EPA 0368-005-001
Start Date: 8/26/2024
Close Date:
Grant Amount: \$19,789.00
Non-federal Match: \$ 3,395.00
Total Amount: \$23,184.00

2024 Organizational Support

concluded

Organizational Items for the Franklin Watershed Committee

Project Description

The Franklin Watershed Committee is committed to improving the water quality of Lake Carmi. This includes finding and implementing Best Management Practice projects. We are looking to purchase equipment that will aid in the process of project development and water quality sampling. Having a set of waders for our coordinator will expand their capacity to scope out projects on tributaries that feed into Lake Carmi. These projects are a priority for us because they will directly reduce the amount of sediment and phosphorus deposited into the lake. Furthermore, a 100-foot measuring tape will allow us to more specifically develop projects without offloading the work to a third party. Finally, having a carrying case for sampling equipment will provide increased organization and potential for adding more sampling sites to our list.

Outputs:

- set of waders
- 100-foot measuring tape
- carrying case for sampling equipment

Outcomes:

- reduction of sediment and phosphorus into the Lake

Organization: Franklin Watershed Committee

Contact Person: Julia Crocker

Mailing Address: PO Box 79
Franklin, VT 05457

Phone: (802) 825-1243

E-mail: juliamariacrocker@gmail.com

Website: www.franklinwatershed.org



NEIWPCC Code: PO 100565
EPA 0368-005-001

Start Date: 8/14/2024

Close Date: 1/6/2025

Grant Amount: \$803.00

Non-federal Match:

Total Amount: \$803.00

2023 Organizational Support

in progress

Sparkling Efficient and Effective Growth at Poultney Mettowee NRCD

Project Description

PMNRCD is seeking funding to upgrade financial, point of sale (POS) and laptop/printer technology, while maintaining existing cloud-based file systems through systematic organization and website upgrades. We will also be creating new resources for billing, employee management and constituent contact lists. These efforts will create everyday efficiencies to meet needs within our watershed. Outputs include, but are not limited to, new, glitch-free laptops and printer, POS orders, financial management that can be accessed by multiple staff, standardized pay rates and onboarding/exit interview processes.

Outputs:

- Two new laptops, laptop cases, and Microsoft Office and financial software packages.
- New office printer.
- Create orientation and onboarding files. Formalize exit interview
- Create master list of contacts.
- Update website information and graphics. Seek ADA accessibility

Outcomes:

- Work with partners in priority watersheds (South Lake A and B) to provide technical support and capacity building.

Organization: Poultney Mettowee Natural Resources Conservation District

Contact Person: Hilary Solomon

Mailing Address: PO Box 209
Poultney Vermont 05764

Phone: (802)558-3515

E-mail: hilary@pmnrcd.org

Website: www.pmnrcd.org



NEIWPCC Code: LS-2023-040
EPA 0354-005-001
Start Date: 6/1/2023
Close Date:
Grant Amount: \$19,140.00
Non-federal Match: \$ 1,000.00
Total Amount: \$20,140.00

2024 Organizational Support

in progress

Strategic Conservation Plan & Staff Training and Resources

Project Description

Coming off of a year of intensive project implementation and growth, as we head into 2024 we seek to maximize our long-term impact across the Lake Champlain Basin by focusing on near-term conservation planning and ensuring our staff have access to key tools and resources.

Outputs:

- Create a strategic 5-year Conservation Plan
- membership and participation in the Land Trust Alliance (LTA) providing access to tools resources and online trainings
- attend LTA annual conference

Outcomes:

- long-term sustainability and impact of the organization.

Organization: Vermont River Conservancy

Contact Person: Kassia Randzio

Mailing Address: 29 Main Street, Suite 11
Montpelier, VT 05602

Phone: (802) 229-0820

E-mail: kassia@vermontriverconservancy.org

Website: www.vermontriverconservancy.org



Vermont River Conservancy staff and partners on a field visit to a property under consideration for a future conservation easement. (VRC staff photo)



NEIWPCC Code: LS-2024-130
EPA 0368-005-001
Start Date: 8/9/2024
Close Date:
Grant Amount: \$19,840.00
Non-federal Match: \$ 8,742.00
Total Amount: \$28,582.00

2023 Organizational Support

concluded

Strategic Planning to Build Capacity within Friends of the Mad River

Project Description

Friends of the Mad River is developing a new strategic plan that incorporates recent board member additions and input from the new executive director (pending hire in May, 2023). The objective of this effort is to create a guiding document to identify future organizational priorities. Outputs will include the strategic plan as well as a collection of information regarding changing priorities and project development methods in both local and broader watershed, conservation, and environmental communities.

Outputs:

- Develop Consultant Scope of Work
- hire consultant
- Summary of key historical programs, projects, & data
- Draft strategic plan

Outcomes:

- support of local watershed group

Organization: Friends of the Mad River

Contact Person: Ira Shadis

Mailing Address: 4061 Main Street
Waitsfield, Vermont 05660

Phone: 802-496-0127

E-mail: ira@friendsofthemadriver.org

Website: www.friendsofthemadriver.org



Friends of the Mad River board members and their family gather in Warren, VT



NEIWPCC Code: LS-2023-050
EPA 0364-005-001
Start Date: 8/2/2023
Close Date: 4/29/2025
Grant Amount: \$ 19,510.00
Non-federal Match: \$ 2,887.00
Total Amount: \$22,397.00

2024 Organizational Support

concluded

Technology Upgrades & Digital Archiving of Permanent Records

Project Description

The LGA will upgrade some of its most outdated digital devices, software, and necessary tech accessories (\$10,000) and hire a specialized contractor to digitize certain permanent LGA documents to make physical room to properly archive and house historic LGA artifacts (\$10,000).

Outputs:

- digitize and archive financial documents and other paperwork
- update outdated technology

Outcomes:

- ensures documents and developed materials are safely stored and accessible into the future

Organization: Lake George Association

Contact Person: Barbara Racioppi

Mailing Address: PO Box 408
Lake George, NY 12845

Phone: 518-920-3879

E-mail: bracioppi@lakegeorgeassociation.org

Website: lakegeorgeassociation.org

NEIWPCC Code: LS-2024-106

EPA 0364-005-001

Start Date: 8/9/2024

Close Date: 1/29/2025

Grant Amount: \$20,000.00

Non-federal Match: \$ 6,191.00

Total Amount: \$26,191.00



2024 Organizational Support

concluded

Warren County SWCD Technology Improvement Project

Project Description

This funding assistance will update and improve District technology for better service to communities and landowners, education and outreach opportunities, grant execution, and general District operations.

Outputs:

- New Workstations
- Smart TV
- develop back up system for District software and records, provides additional security in the event of a cyber-attack or catastrophic equipment failure.

Outcomes:

- increased office efficiencies

Organization: Warren County SWCD

Contact Person: Jim Lieberum

Mailing Address: 394 Schroon River Road
Warrensburg NY 12885

Phone: 518.623.3119

E-mail: jim.l@warrenswcd.org

Website: warrenswcd.org



NEIWPCC Code: LS-2024-124
EPA 0364-005-001

Start Date: 8/23/2024

Close Date: 1/29/2025

Grant Amount: \$12,000.00

Non-federal Match: \$ 1,400.00

Total Amount: \$13,400.00

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EXTERNALLY MANAGED PROJECTS

Funds appropriated through the LCBP Section 120 authorization in the Clean Water Act may be distributed to NEIWPCC on behalf of LCBP, or to the States of New York or Vermont. For the purposes of this annual report, projects managed by the States of New York and Vermont are considered “Externally Managed Contracts”, and may also be accounted for within annual reports published by each State.

The externally managed projects reported on the following pages may address any of the four goals within *Opportunities for Action*, and, as with many of the LCBP-managed projects described above, will span multiple fiscal years to complete.

Each project description includes information for the point of contact for that project; please reach out to that individual directly for more information about that specific project.

Aquatic Connectivity and Barrier Removal Project

Project Summary

The fragmentation of river habitats through dams and poorly functioning culverts is one of the primary threats to aquatic species. These funds will support ongoing efforts to assess, prioritize, and implement aquatic barrier mitigation within the Lake Champlain Basin. This proposed project will promote ecosystem function and habitat connectivity while reducing threats to human safety and property.

Outputs

- 300-500 Stream Crossing Structure and Dam Assessments entered in the spatial database with AOP assessment data.
- 1-3 AOP projects designed.
- 1-2 projects implemented.

Outcomes

- Increase capacity for state and federal agencies, watershed and conservation organizations, and municipalities to address aquatic organism passage needs in Vermont.
- Improved aquatic habitats and aquatic organism passage.
- Expanded information on the distribution of aquatic organism passage barriers to identify ecologically significant aquatic organism passage enhancement projects.

Organization: VT DEC to Department of Fish & Wildlife

Contact Person: Will Eldridge

Mailing Address: 1 National Life Drive, Davis 2
Montpelier, VT 05620

Phone: 802-585-4499

E-mail: william.eldridge@vermont.gov

Website: vtfishandwildlife.com



EPA (FFY22)

Open Date: 7/1/2022

Close Date:

Grant Amount: \$200,000.00

2023 Externally Managed Project

in progress

Aquatic Invasive Species Management

Project Summary

Under Vermont State Law (10 V.S.A. § 1453), the Agency of Natural Resources is required to establish and maintain an aquatic nuisance control (ANC) program that protects the water resources of the state from the spread of aquatic invasive species (AIS) and related negative environmental and economic impacts. This program resides within the Department of Environmental Conservation – Lakes and Ponds Program and has had as many as four “full time equivalent staff” working on AIS prevention and outreach as well as issuance of ANC permits and related regulatory work. Currently there are only two staff members working on these tasks, despite an increase in the number of infested waterbodies, an increase in the number of municipalities applying for ANC Grant in Aid Funds, and an increase in the value of the federal grants the Lakes and Ponds Program is managing. To address this staffing shortfall during a period of increasing need, LCBP FFY 2023 funding will increase the capacity of Vermont’s AIS prevention and management efforts in the Lake Champlain Basin via the creation of a limited-service three-year position, hereafter referred to as the Vermont AIS Specialist Position.

Outputs

- Administration of the ANC Grant-in-Aid Program
- Annual water chestnut harvesting at five or more sites
- Completed trainings for the Vermont Invasive Patroller Program
- Deployment and utilization of watercraft decontamination units to at least two access areas
- Train individuals hired to be members of the Greeter Program
- Early detection surveys and rapid response efforts at 1-2 waterbodies, as needed
- Public outreach event/presentation to the public on AIS issues in the Basin

Outcomes

- Reduced densities and further spread prevention of AIS in Lake Champlain Basin
- Increased use of decontamination units at access areas in the Lake Champlain Basin leading to reduced spread of AI to new water bodies
- New AIS infestations are contained or eradicated
- The number of greeters and VIPs working the Lake Champlain Basin increases, leading to increased public awareness of aquatic invasive species and increased use of prevention practices.

Organization: VT DEC to Department of Fish & Wildlife

Contact Person: Kimberly Jensen

Mailing Address: 1 National Life Drive, Davis 3
Montpelier, VT 05620

Phone: 802-490-6120

E-mail: kimberly.jensen@vermont.gov

Website: vtfishandwildlife.com



EPA (FFY23)

Open Date: 7/1/2024

Close Date:

Grant Amount: \$150,000.00

2022 Externally Managed Project

Education, Outreach and Planning for Flood Resiliency

Project Summary

After the extreme flooding in July of 2023, many communities are struggling to rebuild, understand what flood resiliency means, how it can be achieved, and how to create plans to improve flood resilience. Manufactured Housing Communities (MHCs) are often extremely vulnerable to flooding because many were built in floodplains. After the July 2023 flood, some MHCs incurred severe damage. While MHCs will be a specific focus of this project, education will also be provided to the public. While MHCs will be a specific focus of this project, education will also be provided to the public.

Outputs

Targeted Education, Outreach, and Planning for Manufactured Housing Communities

- Online publishing of lived experiences before, during, and after flooding, and summary “Lessons Learned” report of themes and key observations taken from the collected lived experiences
- 3-5 “After the Flood” key consideration handouts targeted to different groups (i.e., homeowners, renters, Co-op Boards, park owners)
- 2-5 enhanced community mitigation plans developed

General Education for the Public

- 2-3 Flood mitigation alternative handouts and supporting web content for the general public and municipal officials

Outcomes

- support communities for better floodplain and river stewardship
- Increased knowledge of floodplain management
- Improved climate resiliency for Lake Champlain Basin communities
- Support water quality in Lake Champlain Basin through No Adverse Impact (NAI) practices

Organization: VT DEC

Contact Person: Rebecca Pfeiffer

Mailing Address: 1 National Life Drive, Davis 3
Montpelier, VT 05620

Phone: 802-490-6157

E-mail: rebecca.pfeiffer@vermont.gov

Website: dec.vermont.gov



EPA

Open Date: 10/1/2022

Close Date:

Grant Amount: \$200,000.00

2020 Externally Managed Project

in progress

Enhanced Agricultural Practice Implementation 2020

Project Summary

This project supports increased implementation of soil-based agronomic practices and barnyard conservation practices to reduce the potential for nutrient impacts to surface waters in Vermont through:

1. Increased implementation of Farm Agronomic Practices (FAP) such as, but not limited to, cover crops, reduced tillage, manure injection, crop rotation, and rotational grazing.
2. Increased implementation of practices that address runoff from agricultural fields.
3. Development and implementation of low-cost and/or innovative barnyard/production area water quality practices

Outputs

- An additional 6,000 – 35,000 acres of conservation practices on agricultural fields. Conservation practices will include, but not limited to, cover crops, reduced tillage, manure injection, crop rotation, and rotational grazing, all of which have proven effective in reducing phosphorus from entering Lake Champlain, and for which interest exceeds available resources.
- Development and implementation of production area water quality practices
- Estimated phosphorus load reductions achieved through activities above

Outcomes

- Improved water quality through implementation of production area and field Best Management Practices (BMPs) and reduced nutrient loading to surface waters, with increased BMP capacity in high priority watersheds.
- Extended visibility and demonstration value of farm water management and agronomic practices.

Organization:

VT DEC

Contact Person:

Marli Rupe

Mailing Address:

1 National Life Drive, Davis 3
Montpelier, VT 05620

Phone:

802-490-6171

E-mail:

marli.rupe@vermont.gov

Website:

dec.vermont.gov/water-investment



EPA (FFY 21)

Open Date:

7/1/2021

Close Date:

Grant Amount:

\$1,150,000.00

Enhanced Agricultural Practice Implementation 2021

Project Summary

This project supports increased implementation of soil-based agronomic practices and barnyard conservation practices to reduce the potential for nutrient impacts to surface waters in Vermont through:

1. Increased implementation of Farm Agronomic Practices (FAP) such as, but not limited to, cover crops, reduced tillage, manure injection, crop rotation, and rotational grazing.
2. Engineering and technical assistance services and farmstead best management practices (BMP) program
3. Conservation reserve enhancement program (CREP) Services

Outputs

- Outputs FAP: An additional 12,000 acres of conservation practices on agricultural fields
- Engineering and Technical Assistance Services: 10 designs/plans, eight practice installations
- BMP: Five to 20 structural conservation practices through cost share
- CREP: Up to 20 acres of riparian forested buffers and/or grassed filter strips
- Estimated phosphorus load reductions achieved through activities above

Outcomes

- Improved water quality through implementation of production area and field Best Management Practices (BMPs) and reduced nutrient loading to surface waters, with increased BMP capacity in high priority watersheds

Organization: VT DEC

Contact Person: Marli Rupe

Mailing Address: 1 National Life Drive, Davis 3
Montpelier, VT 05620

Phone: 802-490-6171

E-mail: marli.rupe@vermont.gov

Website: dec.vermont.gov/water-investment



EPA (FFY 21)

Open Date: 7/1/2022

Close Date:

Grant Amount: \$2,000,000.00

2022 Externally Managed Project

in progress

Enhanced Agricultural Practice Implementation 2022

Project Summary

This project supports increased implementation of soil-based agronomic practices and barnyard conservation practices to reduce the potential for nutrient impacts to surface waters in Vermont through:

1. Increased implementation of Farm Agronomic Practices (FAP) such as, but not limited to, cover crops, reduced tillage, manure injection, crop rotation, and rotational grazing.
2. Engineering and technical assistance services and farmstead best management practices (BMP) program
3. Conservation reserve enhancement program (CREP) Services

Outputs

- FAP: An additional 12,000 acres of conservation practices on agricultural fields
- Engineering and Technical Assistance Services: Estimated target of 10 designs/plans, eight practice installations
- CREP: 10 to 20 acres of riparian forested buffers and/or grassed filter strips
- Environmental Stewardship Programs: Up to 2,000 lbs. of Phosphorus reduced from farmers enrolled in environmental stewardship programs
- Estimated phosphorus load reductions achieved through activities above

Outcomes

- Improved water quality through implementation of production area and field Best Management Practices (BMPs) and reduced nutrient loading to surface waters, with increased BMP capacity in high priority watersheds

Organization: VT DEC

Contact Person: Marli Rupe

Mailing Address: 1 National Life Drive, Davis 3
Montpelier, VT 05620

Phone: 802-490-6171

E-mail: marli.rupe@vermont.gov

Website: dec.vermont.gov/water-investment



EPA (FFY 22)

Open Date: 7/1/2023

Close Date:

Grant Amount: \$2,000,000.00

Enhanced Agricultural Practice Implementation

Project Summary

This project supports increased implementation of soil-based agronomic practices and barnyard conservation practices to reduce the potential for nutrient impacts to surface waters in Vermont through:

1. Increased implementation of Farm Agronomic Practices (FAP) such as, but not limited to, cover crops, reduced tillage, manure injection, crop rotation, and rotational grazing.
2. Engineering and Technical Assistance Services and Farmstead Best Management Practices (BMP) Program. The Best Management Practices program provides engineering services on a priority basis for the design of BMPs at no cost to the farmer and can cost share on the construction of eligible practices.
3. Conservation Reserve Enhancement Program (CREP). Vermont's Conservation Reserve Enhancement Program (CREP) is a voluntary program designed to reduce sediment runoff and improve water quality by removing land from agricultural production and establishing vegetative buffers.

Outputs

- FAP: An additional 12,000 acres of conservation practices on agricultural fields
- Engineering and Technical Assistance Services: Estimated target of 10 designs/plans, eight practice installations
- CREP: 10 to 20 acres of riparian forested buffers and/or grassed filter strips
- Estimated phosphorus load reductions achieved through activities above

Outcomes

- Improved water quality through implementation of production area and field Best Management Practices (BMPs) and reduced nutrient loading to surface waters, with increased BMP capacity in high priority watersheds

Organization: VT DEC

Contact Person: Marli Rupe

Mailing Address: 1 National Life Drive, Davis 3
Montpelier, VT 05620

Phone: 802-490-6171

E-mail: marli.rupe@vermont.gov

Website: dec.vermont.gov/water-investment



EPA (FFY 22)

Open Date: 7/1/2023

Close Date:

Grant Amount: \$2,280,000.00

2024 Externally Managed Project

in progress

Enhanced Agricultural Practice Implementation

Project Summary

This project supports increased implementation of soil-based agronomic practices and barnyard conservation practices to reduce the potential for nutrient impacts to surface waters in Vermont through:

1. Increased implementation of Farm Agronomic Practices (FAP) such as, but not limited to, cover crops, reduced tillage, manure injection, crop rotation, and rotational grazing.
2. Engineering and technical assistance services and farmstead best management practices (BMP) program
3. Conservation reserve enhancement program (CREP) Services

Outputs

- FAP: An additional 12,000 acres of conservation practices on agricultural fields
- Engineering and Technical Assistance Services: 10 -25 designs/plans, eight practice installations
- CREP: 10 to 20 acres of riparian forested buffers and/or grassed filter strips
- Estimated phosphorus load reductions achieved through activities above

Outcomes

- Improved water quality through implementation of production area and field Best Management Practices (BMPs) and reduced nutrient loading to surface waters, with increased BMP capacity in high priority watersheds.

Organization: VT DEC

Contact Person: Marli Rupe

Mailing Address: 1 National Life Drive, Davis 3
Montpelier, VT 05620

Phone: 802-490-6171

E-mail: marli.rupe@vermont.gov

Website: dec.vermont.gov/water-investment



EPA (FFY 21)

Open Date: 7/1/2024

Close Date:

Grant Amount: \$2,000,000.00

Enhanced Agricultural Practice Implementation

Project Summary

This project supports increased implementation of soil-based agronomic practices and barnyard conservation practices to reduce the potential for nutrient impacts to surface waters in Vermont through:

1. Increased implementation of Farm Agronomic Practices (FAP) such as, but not limited to, cover crops, reduced tillage, manure injection, crop rotation, and rotational grazing.
2. Engineering and technical assistance services and farmstead best management practices (BMP) program
3. Conservation reserve enhancement program (CREP) Services

Outputs

- FAP: An additional 12,000 acres of conservation practices on agricultural fields
- Engineering and Technical Assistance Services: 10 -25 designs/plans, eight practice installations
- CREP: 10 to 20 acres of riparian forested buffers and/or grassed filter strips
- Estimated phosphorus load reductions achieved through activities above

Outcomes

- Improved water quality through implementation of production area and field Best Management Practices (BMPs) and reduced nutrient loading to surface waters, with increased BMP capacity in high priority watersheds.

Organization: VT DEC

Contact Person: Marli Rupe

Mailing Address: 1 National Life Drive, Davis 3
Montpelier, VT 05620

Phone: 802-490-6171

E-mail: marli.rupe@vermont.gov

Website: dec.vermont.gov/water-investment

EPA (FFY 21)

Open Date: 7/1/2025

Close Date:

Grant Amount: \$2,000,000.00

2021 Externally Managed Project

concluded

Enhanced Agricultural Riparian Buffer Pilot Projects 2021

Project Summary

This project proposes to address gaps in existing funding opportunities in Vermont supporting enhanced agricultural land buffers. The phosphorus load reduction benefits of riparian wooded buffers along agricultural fields are well known; not only do wooded buffers improve filtration, infiltration, and uptake of field runoff, but they also decrease erosion and the loss of legacy phosphorus from streambanks. While multiple programs exist to identify sites and plant trees (Trees for Streams, Conservation Reserve Enhancement Program (CREP), and Natural Resources Conservation Service (NRCS) riparian buffer practice), there is very limited support available for the long-term comprehensive management of these buffers. The ongoing success of a buffer is contingent on the implementation of multiple best practices including mitigation of deer browse, management of weeds, and other ongoing maintenance activities. Funding will support stewardship in the first 1-3 years following project installation.

Outputs

- Implementation of agricultural riparian buffers on 5-10 sites using innovative methods.
- Additional maintenance of agricultural riparian buffers on 5-10 sites.
- Minimum of two trainings for partners on Agricultural Riparian Buffer establishment and stewardship.

Outcomes

- Improved water quality through implementation and maintenance of critical riparian practices, resulting in increased success rate of riparian buffer plantings and reduced nutrient loading to surface waters.
- Increased knowledge of BMPs to ensure successful establishment and stewardship of riparian buffers.

Organization:

VT DEC

Contact Person:

Marli Rupe

Mailing Address:

1 National Life Drive, Davis 3
Montpelier, VT 05620

Phone:

802-490-6171

E-mail:

marli.rupe@vermont.gov

Website:

dec.vermont.gov/water-investment



EPA (FFY 21)

Open Date:

10/1/2021

Close Date:

9/30-/2025

Grant Amount:

\$200,000.00

Enhanced Agricultural Riparian Buffer Pilot Projects

Project Summary

This project proposes to address gaps in existing funding opportunities in Vermont supporting enhanced agricultural land buffers. The phosphorus load reduction benefits of riparian wooded buffers along agricultural fields are well known; not only do wooded buffers improve filtration, infiltration, and uptake of field runoff, but they also decrease erosion and the loss of legacy phosphorus from streambanks. While multiple programs exist to identify sites and plant trees (Trees for Streams, Conservation Reserve Enhancement Program (CREP), and Natural Resources Conservation Service (NRCS) riparian buffer practice), there is very limited support available for the long-term comprehensive management of these buffers. The ongoing success of a buffer is contingent on the implementation of multiple best practices including mitigation of deer browse, management of weeds, and other ongoing maintenance activities. Funding will support stewardship in the first 1-3 years following project installation.

Outputs

- Implementation of agricultural riparian buffers on 5-10 sites using innovative methods.
- Additional maintenance of agricultural riparian buffers on 5-10 sites.
- Minimum of two trainings for partners on Agricultural Riparian Buffer establishment and stewardship.

Outcomes

- Improved water quality through implementation and maintenance of critical riparian practices, resulting in increased success rate of riparian buffer plantings and reduced nutrient loading to surface waters.
- Increased knowledge of BMPs to ensure successful establishment and stewardship of riparian buffers.

Organization: VT DEC

Contact Person: Marli Rupe

Mailing Address: 1 National Life Drive, Davis 3
Montpelier, VT 05620

Phone: 802-490-6171

E-mail: marli.rupe@vermont.gov

Website: dec.vermont.gov/water-investment



EPA (FFY 22)
Open Date: 7/1/2022
Close Date:
Grant Amount: \$200,000.00

2019 Externally Managed Project

concluded

Floodplain Restoration and Functional Assessment

Project Summary

The purpose of this initiative is to develop and apply methods for mapping and quantifying opportunities to reconnect streams, riparian forests, wetlands, and floodplains. This project supports further development of methods and maps that quantify and display the natural erosion and depositional processes, as well as floodplain functions and values that could be achieved with stream and floodplain connectivity. The resulting products will help identify and track priority protection and restoration projects and be made available through outreach and training of watershed organizations and other natural resources restoration partners. This project will support production of a set of products that explain and track existing and potential river form and process, as well as the effectiveness of interventions to improve river and floodplain connectivity and function, integrate stakeholder programs involved in restoring stream and floodplain connectivity, and engage the public to support these interventions.

Outputs:

- Vermont Lake Champlain Basin maps depicting:
 - ◊ Existing and restoration potential of stream, wetland, and floodplain connectivity, hydrology, and sediment transport (erosion & deposition) processes;
 - ◊ Natural functions, social values, and economic assets within riverine landscapes; and
 - ◊ Strategic projects and practices that maximize the protection and restoration of stream, wetland, riparian, and floodplain function and achieve relatively high benefit-cost ratios in consideration of affected socio-economic values.
- A tracking system to help explain existing reach and watershed departures from obtainable stream/floodplain form and process and facilitate the identification and tracking of restoration and protection through implemented projects and practices.
- Outreach tool(s) on floodplain and wetland natural functions and socio-economic values and or training module(s) supporting map use and tracking system components.
- Estimated phosphorus load reductions achieved through floodplain/wetland restoration and protection.

Organization:

VTDEC

Contact Person:

Staci Pomeroy

Mailing Address:

111 West Street
Essex Junction, VT 05452

Phone:

802-490-6191

E-mail:

staci.pomeroy@vermont.gov

Website:

dec.vermont.gov/rivers

Outcomes:

- Reduced phosphorus loading and improved surface water quality.
- Increased flood resilience.
- Improved fish and wildlife habitat.
- Enhanced public recreational opportunities.
- increased state agency, public, and partner knowledge of the cost-benefits of implementing strategic floodplain/wetland restoration and protection practices, including potential to provide stormwater treatment credits through the restoration of natural floodplain and wetland functions.



EPA (FFY19)

Start Date:

10/1/2019

Close Date:

9/30/2024

Grant Amount:

\$600,000.00

2020 Externally Managed Project

concluded

Forest Phosphorus Load Allocation: Developing Assessment and Planning Tools for Implementation of the Lake Champlain TMDLs

Project Summary

This project builds on a prior project using existing LiDAR to identify and map forest roads, trails, and log landings on private forests in Vermont. This proposal seeks to assess forestlands to identify and prioritize legacy erosion associated with critical source areas located within forestlands and to develop accounting methods for estimating phosphorus and sediment reductions from forestland Best Management Practices (BMPs).

Outputs

- Calibrated spatial data analysis of Critical Source Areas (CSAs) on publicly accessible websites
- Project prioritization framework integrating CSA spatial data and the forest Road Erosion Inventory (REI) and Trail Erosion Inventory (TEI)
- 1-2 pilot project prioritization assessments completed

Outcomes

- Increased understanding of phosphorus and sediment sources from forestland uses and how to address them
- Inform future state and federal investments to support TMDL implementation and reduced nutrient loading from forested land uses and improved surface water quality in the Lake Champlain Basin.
- Provide a framework for clean water service providers for regional/local-scale practice identification, implementation, tracking, operation, and maintenance.

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EPA (FFY20)

Open Date: 10/1/2020

Close Date: 9/30/2025

Grant Amount: \$100,000.00

2021 Externally Managed Project

in progress

Forest Phosphorus Load Allocation: Developing Assessment and Planning Tools for Implementation of the Lake Champlain TMDLs

Project Summary

This project is the follow-up phase to work completed in FFY20. It entails ground truthing of the landscape analysis to develop and calibrate a prioritization framework of critical source areas (CSAs) to address legacy erosion in high priority basins (South Lake Champlain and Missisquoi Bay) to achieve target load allocations for lake segments that will not meet reduction targets through Vermont Acceptable Management Practices (AMPs) compliance alone. In addition, this phase will include the ground truthing of existing best management practice (BMP) implementation for recreation trails and other forestland uses to calibrate BMP design life and operation and maintenance requirements. As a result of both phases (FFY20 and FFY21) of work, the project will produce analytical tools that guide the design and implementation of forestland BMPs as well as be used directly by Clean Water Service Providers to guide implementation for high priority sub-basins (i.e., HUC-12 scale) to meet natural resource restoration targets as envisioned by Act 76 of 2019 (Clean Water Service Delivery Act). This project is part of a larger targeted design initiative to implement forestland BMPs, achieve target load reductions, and meet Lake Champlain and Lake Memphremagog TMDL requirements.

Outputs:

- Complete 3-5 project prioritization assessments at the HUC-12 scale across Missisquoi and South Lake basins
- Design and implementation of 10-15 priority restoration projects in the Missisquoi and South Lake basins (e.g., gully remediation)
- Conduct 1-2 trainings or webinars
- Create outreach materials

Outcomes:

- Increased understanding of phosphorus and sediment
- Reduce phosphorus and sediment from forestlands and improved surface water quality in Lake Champlain.
- Increase understanding of phosphorus and sediment sources from forestland uses and how to address them.
- Inform future state and federal investments to support TMDL implementation and reduced nutrient loading from forested land uses and improved surface water quality in the Lake Champlain Basin.

Organization: VT DEC

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- Provide a framework for clean water service providers for basin-scale forestland BMP identification, prioritization, implementation, tracking, operation, and maintenance



EPA

Open Date: 7/1/2021

Close Date:

Grant Amount: \$200,000.00

Green Schools Initiative to Meet the Three Acre Stormwater General Permit 2021

Project Summary

This initiative proposes to continue to assist public schools through the Green Schools Initiative to provide technical and financial assistance to achieve compliance with the Three-Acre General Permit in the Lake Champlain Basin. Over 60 K-12 public schools in the Lake Champlain Basin may be affected and therefore would need to start complying with the permit requirements. The Green Schools Initiative supports two phases with funding from federal fiscal project years 2018-2020. Phase 1 supports obtainment of the Stormwater General Permit 3-9050, including 100% design, site plans, and an engineering feasibility analysis to achieve coverage under the Three-Acre General Permit. Phase 2 supports implementation of construction work needed for permit compliance. Work may only begin under Phase 2 for sites that have completed the Phase 1 requirements (i.e., Stormwater General Permit 3-9050 coverage).

Outputs

- Construction of stormwater treatment practices to comply with General Permit 3-9050 standards at as many schools as practicable given the funding (Phase 2).
- Anticipated total phosphorus load reduction 18.2 - 127.4 kilograms per year (stormwater treatment practices designed and permitted within project timeframe; some projects will be constructed beyond project timeframe).

Outcomes

- Reduced stormwater runoff, phosphorus, and pollutant loading to Lake Champlain Basin.
- Early adoption and increased visibility of sites with three acres or more of impervious surface meeting enhanced stormwater standards.
- Increased knowledge of Green Stormwater Infrastructure (GSI) to address stormwater runoff for students, teachers, and administrators.

Organization: VT DEC

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EPA (FFY 21)
Open Date: 10/1/2021
Close Date:
Grant Amount: \$2,500,000.00

2022 Externally Managed Project

in progress

Green Schools Initiative to Meet the Three Acre Stormwater General Permit 2022

Project Summary

This initiative proposes to continue to assist public schools through the Green Schools Initiative to provide technical and financial assistance to achieve compliance with the Three-Acre General Permit in the Lake Champlain Basin. Over 60 K-12 public schools in the Lake Champlain Basin may be affected and therefore would need to start complying with the permit requirements. The Green Schools Initiative supports two phases with funding from federal fiscal project years 2018-2020. Phase 1 supports obtainment of the Stormwater General Permit 3-9050, including 100% design, site plans, and an engineering feasibility analysis to achieve coverage under the Three-Acre General Permit. Phase 2 supports implementation of construction work needed for permit compliance. Work may only begin under Phase 2 for sites that have completed the Phase 1 requirements (i.e., Stormwater General Permit 3-9050 coverage).

Outputs

- Construction of stormwater treatment practices to comply with General Permit 3-9050 standards at as many schools as practicable given the funding (Phase 2).
- Total phosphorus reduction through stormwater treatment at as many schools as practicable. An average removal rate for each site of impervious surface is about 3.64 kg/acre, with an average of 6.5 impervious acres per school.

Outcomes

- Reduced stormwater runoff, phosphorus, and pollutant loading to Lake Champlain Basin.
- Early adoption and increased visibility of sites with three acres or more of impervious surface meeting enhanced stormwater standards.
- Increased knowledge of Green Stormwater Infrastructure (GSI) to address stormwater runoff for students, teachers, and administrators.

Organization: VT DEC

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EPA (FFY 21)

Open Date: 7/1/2022

Close Date:

Grant Amount: \$4,000,000.00

Green Schools Initiative to Meet the Three Acre Stormwater General Permit 2023

Project Summary

This initiative proposes to continue to assist public schools through the Green Schools Initiative to provide technical and financial assistance to achieve compliance with the Three Acre General Permit in the Lake Champlain Basin. Over 60 K-12 public schools in the Lake Champlain Basin may be affected and therefore would need to start complying with the permit requirements. The Green Schools Initiative supports two phases with funding from federal fiscal project years 2018-2020. Phase 1 supports obtainment of the Stormwater General Permit 3-9050, including 100% design, site plans, and an engineering feasibility analysis to achieve coverage under the Three-Acre General Permit. Phase 2 supports implementation of construction work needed for permit compliance. Work may only begin under Phase 2 for sites that have completed the Phase 1 requirements (i.e., Stormwater General Permit 3-9050 coverage).

Outputs

- Construction of stormwater treatment practices to comply with General Permit 3-9050 standards at as many schools as practicable given the funding (Phase 2).
- Total phosphorus reduction through stormwater treatment at as many schools as practicable. An average removal rate for each site of impervious surface is about 3.64 kg/acre, with an average of 6.5 impervious acres per school.

Outcomes

- Reduced stormwater runoff, phosphorus, and pollutant loading to Lake Champlain Basin.
- Early adoption and increased visibility of sites with three acres or more of impervious surface meeting enhanced stormwater standards.
- Increased knowledge of Green Stormwater Infrastructure (GSI) to address stormwater runoff for students, teachers, and administrators.

Organization: VT DEC

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EPA (FFY 23)

Open Date: 7/1/2023

Close Date:

Grant Amount: \$4,000,000.00

2024 Externally Managed Project

in progress

Green Schools Initiative to Meet the Three Acre Stormwater General Permit

Project Summary

This initiative proposes to continue to assist public schools through the Green Schools Initiative to provide technical and financial assistance to achieve compliance with the Three Acre General Permit in the Lake Champlain Basin. Over 60 K-12 public schools in the Lake Champlain Basin may be affected and therefore would need to start complying with the permit requirements. The Green Schools Initiative supports two phases with funding from federal fiscal project years 2018-2020. Phase 1 supports obtainment of the Stormwater General Permit 3-9050, including 100% design, site plans, and an engineering feasibility analysis to achieve coverage under the Three-Acre General Permit. Phase 2 supports implementation of construction work needed for permit compliance. Work may only begin under Phase 2 for sites that have completed the Phase 1 requirements (i.e., Stormwater General Permit 3-9050 coverage).

Outputs

- Construction of stormwater treatment practices to comply with General Permit 3-9050 standards at as many schools as practicable given the funding (Phase 2).
- Total phosphorus reduction through stormwater treatment at as many schools as practicable. An average removal rate for each site of impervious surface is about 3.64 kg/acre, with an average of 6.5 impervious acres per school.

Outcomes

- Reduced stormwater runoff, phosphorus, and pollutant loading to Lake Champlain Basin.
- Early adoption and increased visibility of sites with three acres or more of impervious surface meeting enhanced stormwater standards.
- Increased knowledge of Green Stormwater Infrastructure (GSI) to address stormwater runoff for students, teachers, and administrators.

Organization: VT DEC

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EPA (FFY 23)

Open Date: 7/1/2024

Close Date:

Grant Amount: \$4,000,000.00

Growing the Lake Wise Program Through Increased Work with Bioengineering Practices

Project Summary

The Vermont Lake Wise Program offers science-based solutions for restoring and protecting shorelands, and the LCBP support has helped grow these lake-friendly practices throughout the basin. The Vermont Lake Wise Program has grown into a statewide umbrella program, leading efforts to improve shoreland conditions to protect water quality, wildlife habitat, and property. Lake Wise practices ensure lake-friendly development, which means it is possible to develop along a lake while also protecting water quality and habitat. Continuing to grow Lake Wise through training more Lake Wise Evaluators, Contractors, Environmental Consultants, Engineers, Landscape Designers, and all Shoreland Owners (State Parks, private residences, Towns, and businesses) furthers the movement from cleared shores to buffered shores, which is the highest priority practice for protecting water quality. This FFY22 project seeks funding for on-going Lake Wise work for annual trainings with Natural Resource Conservation Districts (NRCDD) staff and other local partners to ensure increased capacity and expertise of technical resource staff available in the Lake Champlain Basin for assisting lake communities with stormwater management practices, protecting lake conditions, wildlife habitat, and building resilient shorelands. These trainings and work with other lake user groups, will connect the emerging Stream Wise practices with the Lake Wise work to present a watershed approach to protecting lakes and broaden the tool kit for how and why to practice watershed-friendly development.

Outputs

- 1-2 Group Lake Wise Evaluator Trainings
- 1-2 Virtual Natural Shoreland Erosion Control Training
- 1-3 additional Bioengineering Fact Sheets
- Ten new Lake Wise participants and shoreland sites assessed within the Lake Champlain Basin
- Ten BMP installation project sites identified
- Identify Five Potential Public Project Sites on Lake Champlain
- One ecological design of a public recreational beach area

Organization: VT DEC

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Outcomes

- Additional outreach resources on water quality and shoreland habitat protection practices and the promotion, demonstration, and normalization of those practices will result in improved lake water quality and shoreland habitat.



EPA (FFY22)

Open Date: 10/1/2022

Close Date:

Grant Amount: \$90,000.00

2023 Externally Managed Project

in progress

Growing the Lake Wise Program Through Increased Work with Bioengineering Practices

Project Summary

The Vermont Lake Wise Program offers science-based solutions for restoring and protecting shorelands, and the LCBP support has helped grow these lake-friendly practices throughout the basin. The Vermont Lake Wise Program has grown into a statewide umbrella program, leading efforts to improve shoreland conditions to protect water quality, wildlife habitat, and property. Lake Wise practices ensure lake-friendly development, which means it is possible to develop along a lake while also protecting water quality and habitat. Continuing to grow Lake Wise through training more Lake Wise Evaluators, Contractors, Environmental Consultants, Engineers, Landscape Designers, and all Shoreland Owners (State Parks, private residences, Towns, and businesses) furthers the movement from cleared shores to buffered shores, which is the highest priority practice for protecting water quality. This FFY22 project seeks funding for on-going Lake Wise work for annual trainings with Natural Resource Conservation Districts (NRCDD) staff and other local partners to ensure increased capacity and expertise of technical resource staff available in the Lake Champlain Basin for assisting lake communities with stormwater management practices, protecting lake conditions, wildlife habitat, and building resilient shorelands. These trainings and work with other lake user groups, will connect the emerging Stream Wise practices with the Lake Wise work to present a watershed approach to protecting lakes and broaden the tool kit for how and why to practice watershed-friendly development.

Outputs

- 1-2 Group Lake Wise Evaluator Trainings
- 1-2 Natural Shoreland Erosion Control Training
- Ten new Lake Wise participants and shoreland sites assessed within the Lake Champlain Basin
- Ten BMP installation project sites identified
- Identify Five Potential Public Project Sites on Lake Champlain
- One ecological design of a public recreational beach area

Organization:

VT DEC

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Outcomes

- Additional outreach resources on water quality and shoreland habitat protection practices and the promotion, demonstration, and normalization of those practices will result in improved lake water quality and shoreland habitat.



EPA (FFY22)

Open Date:

10/1/2023

Close Date:

Grant Amount:

\$111,106.00

2020 Externally Managed Project

in progress

Implementing Methods to Map, Inventory, and Prioritize Non-Municipal Road Improvements in Vermont 2020

Project Summary

This project will use the inventory methods and tools established in the Lake Carmi watershed to assess private roads for road networks throughout the Lake Champlain Basin. It will identify three to five priority road networks across the Vermont Lake Champlain Basin to complete inventories (with the goal of inventorying one priority area within each of Vermont's six sub-basins as future funding allows). Additional tasks will include mapping and segmenting non-regulated private roads within priority areas, providing outreach to landowners about the private roads inventory, collecting of road assessment field data, and producing a prioritized list of potential private road improvement projects.

Outputs:

- complete private road erosion inventories in three to five priority road networks.

Outcomes:

- improved understanding of practices that reduce stormflows and associated nutrient loading from roads and increase resiliency to flood damage.
- members of the public are informed about watershed issues of the region and are more likely to make improvements on their property and/or encourage stewardship actions that decrease impacts to the Basin.

Organization: VT DEC

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EPA (FFY20)

Open Date: 7/1/2021

Close Date:

Grant Amount: \$100,000.00

2021 Externally Managed Project

in progress

Implementing Methods to Map, Inventory, and Prioritize Non-Municipal Road Improvements in Vermont 2021

Project Summary

This project will use the inventory methods and tools established in the Lake Carmi watershed to assess private roads for road networks throughout the Lake Champlain Basin. It will identify three to five priority road networks across the Vermont Lake Champlain Basin to complete inventories (with the goal of inventorying one priority area within each of Vermont's six sub-basins as future funding allows). Additional tasks will include mapping and segmenting non-regulated private roads within priority areas, providing outreach to landowners about the private roads inventory, collecting of road assessment field data, and producing a prioritized list of potential private road improvement projects.

Outputs:

- complete private road erosion inventories in three to five priority road networks.

Outcomes:

- improved understanding of practices that reduce stormflows and associated nutrient loading from roads and increase resiliency to flood damage.
- members of the public are informed about watershed issues of the region and are more likely to make improvements on their property and/or encourage stewardship actions that decrease impacts to the Basin.

Organization: VT DEC

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EPA (FFY21)

Open Date: 7/1/2021

Close Date:

Grant Amount: \$100,000.00

Implementing Methods to Map, Inventory, and Prioritize Non-Municipal Road Improvements in Vermont 2022

Project Summary

This project will use the inventory methods and tools established in the Lake Carmi watershed to assess private roads for road networks throughout the Lake Champlain Basin. It will identify three to five priority road networks across the Vermont Lake Champlain Basin to complete inventories (with the goal of inventorying one priority area within each of Vermont's six sub-basins as future funding allows). Additional tasks will include mapping and segmenting non-regulated private roads within priority areas, providing outreach to landowners about the private roads inventory, collecting of road assessment field data, and producing a prioritized list of potential private road improvement projects.

Outputs:

- complete private road erosion inventories in three to five priority road networks.

Outcomes:

- improved understanding of practices that reduce stormflows and associated nutrient loading from roads and increase resiliency to flood damage.
- members of the public are informed about watershed issues of the region and are more likely to make improvements on their property and/or encourage stewardship actions that decrease impacts to the Basin.

Organization:

VT DEC

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EPA (FFY22)

Open Date:

7/1/2021

Close Date:

Grant Amount:

\$100,000.00

2023 Externally Managed Project

in progress

Implementing Methods to Map, Inventory, and Prioritize Non-Municipal Road Improvements in Vermont 2023

Project Summary

This project will use the inventory methods and tools established in the Lake Carmi watershed to assess private roads for road networks throughout the Lake Champlain Basin. It will identify three to five priority road networks across the Vermont Lake Champlain Basin to complete inventories (with the goal of inventorying one priority area within each of Vermont's six sub-basins as future funding allows). Additional tasks will include mapping and segmenting non-regulated private roads within priority areas, providing outreach to landowners about the private roads inventory, collecting of road assessment field data, and producing a prioritized list of potential private road improvement projects.

Outputs:

- complete private road erosion inventories in three to five priority road networks

Outcomes:

- improved understanding of practices that reduce stormflows and associated nutrient loading from roads and increase resiliency to flood damage.
- members of the public are informed about watershed issues of the region and are more likely to make improvements on their property and/or encourage stewardship actions that decrease impacts to the Basin.

Organization:

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EPA (FFY21)

Open Date:

7/1/2023

Close Date:

Grant Amount:

\$100,000.00

2022 Externally Managed Project

in progress

New York Enhanced Agricultural Best Management Practice (BMP) Projects (Year 1 and 2)

Project Summary

Agriculture provides one of the greatest sources of phosphorus loads in the Lake Champlain Basin. An estimated 8.7% of the New York portion of the Lake Champlain watershed is agriculture. However, agriculture provides the greatest load across all land use sectors at an estimated 38% of the loading. While many state and federal programs exist to assist agricultural operations, there are gaps in funding opportunities to achieve greater phosphorus load reductions in the agricultural sector.

For this project NYSDEC supports the implementation of agricultural best management practices (BMP) projects that supplement other state and federal funding initiatives. In Year 1, New York expanded upon the watershed-wide cover crop program funded under FFY21. The model for this project is based off of a successful pilot program implemented in the Finger Lakes region of New York, New York would propose to implement a comprehensive soil health and erosion control program. Soil health has been identified as a key component to not only improve water quality but to mitigate impacts from climate change.

In Year 2, for this project New York will target farms enrolled in the cover crop program to introduce other component practices, including but not limited to soil health tests, reduced tillage, diverse crop rotations, and/or rotational grazing. This project would be coordinated by the NY Agronomist in collaboration with the NYS Department of Agriculture and Markets and county soil and water conservation districts.

Outputs:

- Development and implementation of a pilot cover crop program that will maximize phosphorus reduction that otherwise would not be implemented due to funding gaps.
- Outreach to farms on soil health practices and enroll interested farms into program.
- Implementation of soil health practices such as utilizing soil health tests, reduced tillage, diverse crop rotations and rotational grazing.

Organization:

NYS DEC

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Website:

<https://www.dec.ny.gov/chemical/93615.html>

Outcomes:

- Phosphorus reductions from one of the largest loading sectors and providing cost share to farms that otherwise may be unable to afford to implement BMPs due to the current state of the agricultural economy.



EPA (FFY21)

Open Date:

4/1 2022

Close Date:

Grant Amount:

\$400,000.00

2023 Externally Managed Project

in progress

New York Flood Resiliency Capacity Building and Implementation

Project Summary

The focus of NYSDEC work in the Lake Champlain Basin is to reduce excess nutrients (mainly phosphorus) from going into the streams, rivers and eventually the Lake. One source of extra nutrients is sediment erosion from stream and riverbanks during flooding and ice jam events. Reducing the severity of floods and ice jams in the river systems of the Lake Champlain Basin will have multiple benefits: reducing nutrient loading, improving habitat for native species, and making our shoreline communities safer for residents.

NYSDEC and Office of General Services has identified high-priority flood-prone watersheds throughout New York State to develop state-of-the-art studies to reduce flooding and ice jam formations and improve riparian ecology. The studies for the watersheds within the Lake Champlain Basin (Little Chazy, Chazy, Ausable, Boquet, Mettawee and Indian Rivers) are being completed by SLR. The reports for the Little Chazy and Chazy River should be completed in 2022, and the Ausable and Boquet River reports in 2024. Proposed flood mitigation projects are being identified and evaluated using hydrologic and hydraulic modeling to quantitatively determine which proposed recommendations will likely result in the greatest flood reduction benefits. Flood mitigation scenarios such as levee enhancement, sediment management, floodplain enhancement and channel restoration are being investigated and will be recommended where appropriate. While the focus of the work is on flood resiliency, many of the likely recommended projects will achieve multiple co-benefits with investments in natural solutions, such as habitat enhancement, shoreline protection, and ecological restoration practices to achieve multiple OFA goals.

Outputs:

- At least one presentation(s) on funding opportunity to potential applicants.
- RFP issued, applications scored, and successful applicants selected for funding.
- Planning for or implementation of 1-5 projects recommended in the NY Flood Mitigation & Resilience Reports

Organization: NYS DEC

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Outcomes:

- Reduced sediment and nutrient loading, and natural resource restoration after projects identified and prioritized in the plans are implemented. Increased awareness of NY Flood Mitigation & Resilience Reports and the multiple co-benefits with investments in natural solutions for local communities.



EPA (FFY22)

Open Date: 4/1/2023

Close Date:

Grant Amount: \$700,00.00

New York Forest Load Inventory and Mapping - Year 1 and 2

Project Summary

Forested lands compose 73% of land use in the Lake Champlain basin and contribute 20% of total phosphorus loading to Lake Champlain. Phosphorus reductions from forested land uses will primarily involve remediating erosion and altered hydrology associated with forest trails and roads and legacy logging operations. Due to the remote nature of these sites, they are not easily identifiable without assessment to determine optimal locations for phosphorus reducing best management practices (BMPs) or acceptable management practices (AMPs). This project could support the following phases and associated tasks:

Phase 1

1. identifying forestland parcels, including managed forestland parcels such as national forests, state forests, state parks, municipal parks, and Use-Value Appraisal lands (lands enrolled in current-use programs) and the current and historic activities within them that could contribute to loading (e.g., recreational trails, forest roads, timber harvesting, sugaring)
2. determining erosion risk hotspots on managed forestlands including streambank erosion, BMPs to address them, and associated phosphorus load reductions
3. estimating interim phosphorus reduction targets by sub-basin, achieved through regulatory and non-regulatory means
4. prioritizing areas for implementation of forestland BMPs through a pilot program
5. compiling all the forestland parcels information, priority areas and recommended forestland BMPs in a final report that can be used to guide implementation.

Phase 2

1. design and implementation of forestland BMPs to reduce sediment erosion

Outputs:

- Inventory of disturbed areas and other areas at risk for erosion in managed forestlands and tracking/accounting methods for forestland BMPs.
- Interim targets for forested land use by sub-basin, to be achieved through regulatory and non-regulatory means.
- Design and implementation of forestland best management practices.

Organization: NYSDEC to NYS Department of Agriculture and Markets

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Outcomes:

- increase in understanding of phosphorus and sediment sources from forested land uses and how to address them, which will help to inform future state and federal investments to support TMDL implementation
- reduced nutrient loading from forested land uses and improved surface water quality in the Lake Champlain Basin



EPA (FFY20, FFY21)

Open Date: 4/1/2021

Close Date:

Grant Amount: \$200,000.00

2023 Externally Managed Project

in progress

New York Onsite Wastewater Treatment System Education and Maintenance Incentive Program - Year 1 and 2

Project Summary

Onsite wastewater treatment systems (OWTS) have been identified as source of nonpoint source pollution in the Lake Champlain Basin, potentially contributing to water quality degradation via pathogen and nutrient input. Old and failing septic systems can cause serious water quality impacts and human waste can degrade water bodies with impacts ranging from elevated bacteria levels to contributing to the creation of harmful algal blooms. The Lake Champlain Basin has an estimated 8,200 OWTS within 250 ft of a waterbody, and failing septic systems contribute an estimated 12,485.86 lbs. of phosphorus per year³. OWTS pump out and maintenance is a valuable component of pollution reduction as well as engaging the community in how their contribution can positively impact water quality.

New York will create a OWTS education and maintenance program led by local interested partners like municipalities, Soil and Water Conservation Districts, river and lake associations and watershed coalitions. The educational component of the program in New York would engage with the public by sponsoring educational workshops. Workshops will be held in locations throughout the basin to encourage participation of residents, with an emphasis on impaired watersheds with nutrients as the pollutant of concern as well as environmental justice communities. The maintenance component of the program is to propose incentives or rebates with cooperation from local property owners to perform OWTS inspection and pump out of at least 300 OWTS tanks. The inspection and pump outs will be organized into a tiered fashion as to prioritize the program to assist traditionally underserved communities first. Previous OWTS programs in New York State have found that by providing an incentive equal to or even less than 50% of the cost of maintenance activities, most landowners are willing to conduct maintenance work, especially after learning about the importance of proper management in comparison to the cost of replacement. By offering a rebate program for OWTS pump out, regular maintenance can be completed and reduce the potential for OWTS failure in the future. Data acquired from these inspections may also be used to help prioritize implementation of the New York State Septic System Replacement Fund Program through the Environmental Facilities Corporation (EFC).

Organization: NYSDEC

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Outputs:

- Create OWTS educational materials to be utilized for educational workshops.

-

Outcomes:

- Reduced sediment and nutrient loading, and natural resource restoration after projects identified and prioritized in the plans are implemented.



EPA (FFY22)

Open Date: 4/1/2023

Close Date:

Grant Amount: \$400,000.00

New York Rural Roads BMP Implementation - Year 1, 2, 3 and 4

Project Summary

In New York, the Champlain Watershed Improvement Coalition (CWICNY) of New York has been working with local municipalities to implement the Rural Road Active Management Program (RRAMP) on municipal owned roadways. This project supports the continued use of RRAMP methods and tools for completing inventories of roadside erosion “hotspots” on rural roads. In FFY20, New York state adopted a framework to inventory non-regulatory road networks (specifically, rural and municipal roads in New York) to identify and prioritize road best management practices (BMPs) to reduce phosphorus loads from roadside erosion to Lake Champlain. FFY21 funds continued to support inventory on non-regulatory road networks and implementation of road improvements geographically targeted to priority subwatersheds. In the most recent inventory identified 321 sites were assessed, inventoried, and prioritized areas of roadside erosion with a total remediation cost of nearly \$2.5 million. FFY22 funds were utilized to support additional inventories as well as directed to implement the resulting prioritized projects in New York. Inventory and implementation work was targeted geographically to priority subwatersheds.

Outputs:

- Supplemental roadside erosion data collected and added to roadside erosion inventory.
- Roadside erosion inventory database updated to include newly identified projects for implementation, re-prioritization of existing inventory to include newly identified locations.
- Construction/implementation of high and medium priority projects to reduce erosion and improve water quality.

Outcomes:

- Reduced sediment and nutrient loading from unregulated roadways in New York within the Lake Champlain Basin.
- Improved understanding of practices that reduce stormflows and associated nutrient loading from roads and increase resiliency to flood damage.

Organization: NYSDEC to NYS Department of Agriculture and Markets

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EPA(FFY20, FFY21, FFY22)

Open Date: 4/1/2021

Close Date:

Grant Amount: \$400,000.00

2022 Externally Managed Project

in progress

New York Stormwater Master Planning - Year 1 and 2

Project Summary

Due to population thresholds, many municipalities in the New York portion of the basin are unable to be designated as MS4 communities. As a result, these communities must voluntarily address excessive stormwater flow and often do not have the resources to develop comprehensive stormwater assessments that identify areas for implementation.

New York will pilot stormwater planning in impervious corridors not regulated by New York's Municipal Separate Stormwater Sewer System (MS4) General Permit. Stormwater planning is a critical step in determining cost-effective approaches to mitigate negative impacts of stormwater and target pollution prevention. By completing these assessments, communities can determine where best to implement retrofits and will be better positioned to seek future funding for stormwater remediation projects. Guidelines for stormwater master planning have been developed by VTDEC; similar guidelines will be followed for plans developed in New York. Master plan content will include assessment and mapping of existing stormwater infrastructure, areas that have potential to generate pollutants that could enter the stormwater system and making recommendations for areas where infiltration could be increased.

Under Phase I of this program, NYSDEC received funding in FFY21 to develop stormwater master plans for 1-2 non-regulated municipalities. Under Phase II, NYSDEC proposes to develop stormwater master plans for 2-4 non-regulated highly impervious "corridors" that cross municipal and subwatershed borders, that have been identified regionally as needing assistance with stormwater infrastructure. Plans developed under both Phase I and Phase II can serve as examples for future stormwater master plans and both the municipal and corridor level. Communities that receive stormwater master plans will become eligible for further planning, design, and implementation funding through NYSDEC's water quality grant programs.

Outputs:

- Three to six Stormwater Master Plans developed.

Organization: NYSDEC

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Outcomes:

- Reduced sediment and nutrient loading, and natural resource restoration after projects identified and prioritized in the plans are implemented.



EPA (FFY21, FFY22)

Open Date: 4/1/2022

Close Date:

Grant Amount: \$400,000.00

New York Stormwater Master Planning Implementation

Project Summary

Due to population thresholds, many municipalities in the New York portion of the basin are unable to be designated as MS4 communities. As a result, these communities must voluntarily address excessive stormwater flow and often do not have the resources to develop comprehensive stormwater assessments that identify areas for implementation. Stormwater planning is a critical step in determining cost-effective approaches to mitigate negative impacts of stormwater and target pollution prevention. By completing these assessments, communities can determine where best to implement retrofits and will be better positioned to seek future funding for stormwater remediation projects. Guidelines for stormwater master planning have been developed by VTDEC; similar guidelines are being followed for plans developed in New York. Master plan content will include assessment and mapping of existing stormwater infrastructure, areas that have potential to generate pollutants that could enter the stormwater system and making recommendations for areas where infiltration could be increased. Stormwater planning and implementation is a critical step in mitigating negative impacts of stormwater and target pollution prevention.

This project implements stormwater plans developed for areas not regulated by New York's Municipal Separate Stormwater Sewer System (MS4) General Permit. NYSDEC will fund implementation of projects identified in stormwater master plans developed from FY21 and FY22 funds that have been identified regionally as needing assistance with stormwater infrastructure.

Outputs:

- Implemented stormwater plans in New York.

Outcomes:

- Reduced stormwater runoff, phosphorus, and pollutant loading to Lake Champlain Basin.

Organization: NYSDEC

Contact Person: Tony Prestigiacomo

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EPA (FFY21, FFY22)

Open Date: 4/1/2024

Close Date:

Grant Amount: \$250,000.00

2020 Externally Managed Project

concluded

New York Wastewater Treatment Facility Optimization to Reduce Effluent Phosphorus - Year 2 and 3

Project Summary

This project focuses on the development and implementation of detailed optimization plans for wastewater treatment facilities (WWTFs) in the Lake Champlain basin of New York. WWTF optimization offers the potential for innovative solutions that can help to improve facility efficiencies, reduce effluent phosphorus loads, and reduce costs associated with other phosphorus control strategies by adjusting internal operations and process control within the existing treatment works. With the high costs associated with capital upgrades coupled with reductions in available funding, it is increasingly important that wastewater treatment facility operators look toward improving internal efficiencies and innovative solutions to help them achieve treatment necessary to meet permit limits. The project will result in implementation of WWTF optimization and will also provide technical assistance, education, and outreach for to municipal WWTF operators subject to reduced effluent phosphorus limits.

Outputs:

- Development of facility optimization plans, including an evaluation of alternative methods for phosphorus reduction and recommendations for process control adjustments to improve phosphorus removal efficiency, implementation plans and timelines, and the projected total phosphorus load reduction with full implementation of wastewater optimizations.
- Informing managers of innovative phosphorus reduction opportunities.
- Demonstrating tools and techniques to reduce phosphorus loading from wastewater treatment facilities.
- An annual report documenting project activities, outputs, and outcomes, including the estimated phosphorus reductions achieved through implementation of the optimization plans.

Outcomes:

- Acceptance of new management approaches.
- Utilization of improved optimization strategies to further reduce phosphorus loadings from wastewater treatment facilities to Lake Champlain.

Organization: New York Department of Environmental Conservation

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EPA (FFY219, FFY20)

Start Date: 4/1/2020

Close Date: 3/31/2024

Grant Amount: \$200,000.00

2022 Externally Managed Project

concluded

Onsite Wastewater Treatment System Education and Maintenance Incentive Program

Project Summary

Onsite wastewater treatment systems (OWTS) are a key component to reducing nonpoint source pollution in the Lake Champlain Basin. Properly designed, installed, and maintained systems can virtually eliminate water quality degradation from pathogen and nutrient input. Proper OWTS installation and maintenance is a valuable component of pollution reduction as well as engaging the community in how their diligence can positively impact water quality. This project provides local training programs or certification programs directed towards onsite wastewater treatment system installers and service providers to improve industry standards. In addition to the workshops, handouts and fact sheets will be developed for OWTS owners and practitioners regarding proper installation and maintenance, as well as current resources available for financial support.

Outputs

- 1-2 Interactive Service Provider Focused Trainings/Workshops
- 1-2 OWTS Installer Focused Trainings/Workshops
- 1-2 Landowner Focused Trainings
- New OWTS Fact Sheets

Outcomes

- Increased knowledge of best practices for onsite wastewater system installation and maintenance
- Improved management and maintenance of onsite wastewater systems

Organization: VT DEC

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EPA
Open Date: 10/1/2022
Close Date: 8/1/2025
Grant Amount: \$200,000.00

2023 Externally Managed Project

in progress

Onsite Wastewater Treatment System Fine Textured Soil Evaluation, System Design Education, and Maintenance Education Program

Project Summary

Onsite Wastewater Treatment Systems (OWTS) are a key component to reducing nonpoint source pollution in the Lake Champlain Basin. Properly designed, installed, and maintained, systems can virtually eliminate water quality degradation from pathogen and nutrient input. Proper OWTS installation and maintenance is a valuable component of non-point source pollution reduction as well as engaging the community in how their diligence can positively impact water quality. Failing and improperly installed and maintained OWTS contribute to water quality degradation and localized risks to human health, with some studies showing disproportionate environmental impacts to low-income and non-white communities. In addition, in rural areas, OWTS can be key infrastructure in enabling thriving communities and economic development. In Vermont, thousands of failed OWTS have applied for financial support through the State of Vermont's American Rescue Plan Act (ARPA) Healthy Homes program, elucidating the prevalence of failed OWTS and potential sources of pollution.

Outputs

- 2-3 licensed Designer Focused Trainings/Workshops
- 2-3 Landowner and OWTS Users Focused Trainings/Workshops

Outcomes

- Increased knowledge of best practices for onsite wastewater system design, installation, and maintenance.
- Improved management and maintenance of onsite wastewater systems
- Reduced pollution from onsite wastewater systems

Organization: VT DEC

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EPA
Open Date: 10/1/2023
Close Date:
Grant Amount: \$350,000.00

2020 Externally Managed Project

in progress

Priority Wetland Acquisition, Restoration, and Conservation to Improve Water Quality in Vermont's Lake Champlain Basin 2020

Project Summary

This initiative implements the highest-priority, shovel-ready wetland acquisition, restoration, and conservation projects to improve water quality in Vermont's Lake Champlain Basin through the Vermont Department of Fish and Wildlife (VDFW). VDFW will implement projects to restore natural wetland functions and improve conditions for wildlife, water quality, flood resilience, and groundwater recharge.

Outputs:

- VFWD will develop 3-5 wetland acquisition and restoration projects in the Champlain Basin, with a minimum of 40% of the lands acquired restorable to wetlands.
- Estimated phosphorus load reductions are anticipated to be achieved through wetlands conservation and restoration. Estimation approaches are in development by the DEC Clean Water Initiative Program, and VFWD will track and provide the necessary data to estimate total phosphorus reductions attributable to this project by the end of the project timeline.

Outcomes:

- Improved functions and values of existing, degraded wetland acres in the Lake Champlain Basin, such as surface water nutrient retention, stormwater retention, filtration, and gradual discharge, groundwater recharge, reduced soil erosion, and floodwater attenuation, which will result in improved surface water quality.
- Improved coordination of wetland acquisition and restoration projects for efficiency and more effective use of federal and state resources.
- Enhancement of wildlife habitat, public access, flood protection, and wildlife-based recreation.

Organization: VT DEC to Vermont Fish and Wildlife Department

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EPA (FFY 20)

Open Date: 7/1/2020

Close Date:

Grant Amount: \$1,650,000.00

2021 Externally Managed Project

concluded

Priority Wetland Acquisition, Restoration, and Conservation to Improve Water Quality in Vermont's Lake Champlain Basin 2021

Project Summary

This initiative implements the highest-priority, shovel-ready wetland acquisition, restoration, and conservation projects to improve water quality in Vermont's Lake Champlain Basin through the Vermont Department of Fish and Wildlife (VDFW). VDFW will implement projects to restore natural wetland functions and improve conditions for wildlife, water quality, flood resilience, and groundwater recharge.

Outputs:

- VFWD will complete restoration designs and obtain permits for acquired parcels, and implement as many wetland restoration projects in the Champlain Basin, as possible.
- Estimated phosphorus load reductions are anticipated to be achieved through wetlands conservation and restoration. Estimation approaches are in development by the DEC Clean Water Initiative Program, and VFWD will track and provide the necessary data to estimate total phosphorus reductions attributable to this project by the end of the project timeline

Outcomes:

- improved functions and values of existing, degraded wetland acres in the Lake Champlain Basin, such as surface water nutrient retention, stormwater retention, filtration, and gradual discharge, groundwater recharge, reduced soil erosion, and floodwater attenuation, which will result in improved surface water quality.
- improved coordination of wetland acquisition and restoration projects for efficiency and more effective use of federal and state resources.
- enhancement of wildlife habitat, public access, flood protection, and wildlife-based recreation.

Organization: VT DEC to Vermont Fish and Wildlife Department

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EPA (FFY 21)

Open Date: 7/1/2021

Close Date: 9/30/2025

Grant Amount: \$1,500,000.00

2022 Externally Managed Project

in progress

Priority Wetland Acquisition, Restoration, and Conservation to Improve Water Quality in Vermont's Lake Champlain Basin 2022

Project Summary

This initiative implements the highest-priority, shovel-ready wetland acquisition, restoration, and conservation projects to improve water quality in Vermont's Lake Champlain Basin through the Vermont Department of Fish and Wildlife (VDFW). VDFW will implement projects to restore natural wetland functions and improve conditions for wildlife, water quality, flood resilience, and groundwater recharge.

Outputs:

- VFWD will complete restoration designs and obtain permits for acquired parcels, and implement as many wetland restoration projects in the Champlain Basin as possible.
- Estimated phosphorus load reductions are anticipated to be achieved through wetlands conservation and restoration. Estimation approaches are in development by the DEC Clean Water Initiative Program, and VFWD will track and provide the necessary data to estimate total phosphorus reductions attributable to this project by the end of the project timeline

Outcomes:

- improved functions and values of existing, degraded wetland acres in the Lake Champlain Basin, such as surface water nutrient retention, stormwater retention, filtration, and gradual discharge, groundwater recharge, reduced soil erosion, and floodwater attenuation, which will result in improved surface water quality.
- improved coordination of wetland acquisition and restoration projects for efficiency and more effective use of federal and state resources.
- enhancement of wildlife habitat, public access, flood protection, and wildlife-based recreation.

Organization:	VT DEC to Vermont Fish and Wildlife Department
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EPA (FFY 22)	
Open Date:	10/1/2022
Close Date:	
Grant Amount:	\$2,000,000.00

2023 Externally Managed Project

in progress

Priority Wetland Aquisition, Restoration, and Conservation to Improve Water Quality in Vermont's Lake Champlain Basin 2023

Project Summary

This initiative implements the highest-priority, shovel-ready wetland acquisition, restoration, and conservation projects to improve water quality in Vermont's Lake Champlain Basin through the Vermont Department of Fish and Wildlife (VDFW). VDFW will implement projects to restore natural wetland functions and improve conditions for wildlife, water quality, flood resilience, and groundwater recharge.

Outputs:

- VFWD will complete restoration designs and obtain permits for acquired parcels, and implement as many wetland restoration projects in the Champlain Basin as possible.
- Estimated phosphorus load reductions are anticipated to be achieved through wetlands conservation and restoration. Estimation approaches are in development by the DEC Clean Water Initiative Program, and VFWD will track and provide the necessary data to estimate total phosphorus reductions attributable to this project by the end of the project timeline.

Outcomes:

- Improved functions and values of existing, degraded wetland acres in the Lake Champlain Basin, such as surface water nutrient retention, stormwater retention, filtration, and gradual discharge, groundwater recharge, reduced soil erosion, and floodwater attenuation, which will result in improved surface water quality.
- Improved coordination of wetland acquisition and restoration projects for efficiency and more effective use of federal and state resources.
- Enhancement of wildlife habitat, public access, flood protection, and wildlife-based recreation.

Organization:	VT DEC to Vermont Fish and Wildlife Department
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EPA (FFY 22)
 Open Date: 10/1/2023
 Close Date:
 Grant Amount: \$1,720,000.00

2024 Externally Managed Project

in progress

Priority Wetland Aquisition, Restoration, and Conservation to Improve Water Quality in Vermont's Lake Champlain Basin 2024

Project Summary

This initiative implements the highest-priority, shovel-ready wetland acquisition, restoration, and conservation projects to improve water quality in Vermont's Lake Champlain Basin through the Vermont Department of Fish and Wildlife (VDFW). VDFW will implement projects to restore natural wetland functions and improve conditions for wildlife, water quality, flood resilience, and groundwater recharge.

Outputs:

- VFWD will complete restoration designs and obtain permits for acquired parcels, and implement as many wetland restoration projects in the Champlain Basin as possible.
- Estimated phosphorus load reductions are anticipated to be achieved through wetlands conservation and restoration. Estimation approaches are in development by the DEC Clean Water Initiative Program, and VFWD will track and provide the necessary data to estimate total phosphorus reductions attributable to this project by the end of the project timeline.

Outcomes

- mproved functions and values of existing, degraded wetland acres in the Lake Champlain Basin, such as surface water nutrient retention, stormwater retention, filtration, and gradual discharge, groundwater recharge, reduced soil erosion, and floodwater attenuation, which will result in improved surface water quality.
- Improved coordination of wetland acquisition and restoration projects for efficiency and more effective use of federal and state resources.
- Enhancement of wildlife habitat, public access, flood protection, and wildlife-based recreation.

Organization:	VT DEC to Vermont Fish and Wildlife Department
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EPA (FFY 22)
Open Date: 10/1/2023
Close Date:
Grant Amount: \$1,720,000.00

Externally Managed Project

in progress

Shoreland Technical Assistance Through Sustained Lake Wise Program Outreach

Project Summary

The Vermont Lake Wise Program offers science-based solutions for restoring and protecting shorelands, and the LCBP support has helped grow these lake-friendly practices throughout the basin. The Vermont Lake Wise Program has grown into a statewide umbrella program, leading efforts to improve shoreland conditions to protect water quality, wildlife habitat, and property. Lake Wise practices ensure lake-friendly development, which means it is possible to develop along a lake while also protecting water quality and habitat. Continuing to grow Lake Wise through training more Lake Wise Evaluators, Contractors, Environmental Consultants, Engineers, Landscape Designers, and all Shoreland Owners (State Parks, private residences, Towns, and businesses) furthers the movement from cleared shores to buffered shores, which is the highest priority practice for protecting water quality.

This project will support two Lake Wise Assistants to continue Lake Wise programmatic work as well as pursue new demonstration projects on public sites on Lake Champlain. Remaining dollars will support continued design and implementation at the demonstration sites. This work will also support assessments, providing technical assistance, and promoting outreach and education, as well as reporting and award sign distribution

Outputs

- 1-2 Group Lake Wise Evaluator Trainings
- 1-2 Natural Shoreland Erosion Control Training
- Ten new Lake Wise participants and shoreland sites assessed within the Lake Champlain Basin
- Ten BMP installation project sites identified
- One ecological design of a public recreational beach area

Outcomes

- Additional outreach resources on water quality and shoreland habitat protection practices and the promotion, demonstration, and normalization of those practices will result in improved lake water quality and shoreland habitat.

Organization: VT DEC

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EPA (FFY 24)

Open Date: 10/1/2024

Close Date:

Grant Amount: \$115,000.00

Stormwater Planning, Design, and Construction of Green Stormwater Infrastructure at Public Schools and Vermont State Colleges in the Lake Champlain Basin in Vermont

Project Summary

The Green Schools Initiative supports two phases with funding from federal fiscal project years 2018, 2019, and 2020 and builds off assessments to better understand the number of schools interested in early adoption and stormwater needs. Phase 1 supports schools in their obtainment of a permit that meet the stormwater standards outlined in Stormwater General Permit 3-9050, including 100% design, completion of site plans, and an engineering feasibility analysis to demonstrate compliance with the Vermont Stormwater Management Manual. Phase 2 supports implementation of construction work needed for permit compliance. This initiative builds on efforts already underway with the goal of obtaining permit coverage and subsequent construction to reduce phosphorus and sediment discharges from developed parcels with three or more acres of impervious surface.

Outputs:

- Obtainment of General Permit 3-9050 (or Individual Permit) coverage at up to 30 public schools and state colleges (Phase 1).
- Construction of stormwater treatment practices to comply with General Permit 3-9050 standards at as many schools as practicable given the funding (Phase 2).
- Phase 1 anticipated outcome (stormwater treatment practices designed and permitted within project timeframe, likely to be constructed beyond project timeframe): 46 kilograms per year total phosphorus load reduction.
- Phase 2 anticipated outcome (stormwater treatment practices constructed within project timeframe): 18 kilograms per year total phosphorus load reduction.
-

Outcomes:

- Reduced stormwater runoff, phosphorus, and pollutant loading to Lake Champlain Basin
- Early adoption and increased visibility of sites with three acres or more of impervious surface meeting enhanced stormwater standards.
- Increased knowledge of GSI as a means to address stormwater runoff for students, teachers, and administrators.

Organization: VT DEC

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EPA (FFY20)

Open Date: 10/1/2020

Close Date: 9/30/2025

Grant Amount: \$2,462,241.00

2022 Externally Managed Project

concluded

Targeted Organizational Capacity and Workforce Development to Support Implementation of Clean Water Projects

Project Summary

This project proposes to support watershed groups and partners in the Lake Champlain Basin to increase technical expertise, capacity, and workforce development to support clean water project implementation and funding initiatives. In the fall of 2021, VT DEC launched Phase 1 of a Clean Water Organizational Capacity Development Initiative. Phase 1 is an assessment process, in collaboration with watershed organizations and partners, to learn more about the various needs for workforce development and organizational capacity on the ground. Phase 1 will determine the capacity challenges that need to be addressed and will recommend priority investments in capacity building to accelerate clean water project implementation. Phase 2 will implement priority recommendations from Phase 1. This funding would expand on VT DEC's Phase 2 capacity-building investments in Lake Champlain Basin.

Outputs

- 10-15 organizations access the capacity building intervention.

Outcomes

- Participating organizations are better equipped to meet the challenges and opportunities to protect Lake Champlain Basin.

Organization: VT DEC

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EPA (FFY22)

Open Date: 7/1/2022

Close Date: 10/1/2024

Grant Amount: \$100,000.00

2023 Externally Managed Project

in progress

Targeted Organizational Capacity and Workforce Development to Support Implementation of Clean Water Projects

Project Summary

This project proposes to support watershed groups and partners in the Lake Champlain Basin to increase technical expertise, capacity, and workforce development to support clean water project implementation and funding initiatives. In the fall of 2021, VT DEC launched Phase 1 of a Clean Water Organizational Capacity Development Initiative. Phase 1 is an assessment process, in collaboration with watershed organizations and partners, to learn more about the various needs for workforce development and organizational capacity on the ground. Phase 1 will determine the capacity challenges that need to be addressed and will recommend priority investments in capacity building to accelerate clean water project implementation. Phase 2 will implement priority recommendations from Phase 1. This funding would expand on VT DEC's Phase 2 capacity-building investments in Lake Champlain Basin.

Outputs

- 10-15 organizations access the capacity building intervention.

Outcomes

- Participating organizations are better equipped to meet the challenges and opportunities to protect Lake Champlain Basin.

Organization: VT DEC

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EPA (FFY23)

Open Date: 10/1/2023

Close Date:

Grant Amount: \$300,000.00

2024 Externally Managed Project

in progress

Targeted Organizational Capacity and Workforce Development to Support Implementation of Clean Water Projects

Project Summary

This project proposes to support watershed groups and partners in the Lake Champlain Basin to increase technical expertise, capacity, and workforce development to support clean water project implementation and funding initiatives. In the fall of 2021, VT DEC launched Phase 1 of a Clean Water Organizational Capacity Development Initiative. Phase 1 is an assessment process, in collaboration with watershed organizations and partners, to learn more about the various needs for workforce development and organizational capacity on the ground. Phase 1 will determine the capacity challenges that need to be addressed and will recommend priority investments in capacity building to accelerate clean water project implementation. Phase 2 will implement priority recommendations from Phase 1. This funding would expand on VT DEC's Phase 2 capacity-building investments in Lake Champlain Basin.

Outputs

- 10-15 organizations access the capacity building intervention.

Outcomes

- Participating organizations are better equipped to meet the challenges and opportunities to protect Lake Champlain Basin.

Organization: VT DEC

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EPA (FFY23)

Open Date: 10/1/2024

Close Date:

Grant Amount: \$300,000.00

Wastewater Treatment Facility Optimization to Reduce Effluent Phosphorus

Project Summary

This project focuses on the development and implementation of detailed optimization plans for wastewater treatment facilities (WWTFs) in the Lake Champlain Basin of Vermont. WWTF optimization offers the potential for innovative solutions that can help to improve facility efficiencies, reduce effluent phosphorus loads, and reduce costs associated with other phosphorus control strategies by adjusting internal operations and process control within the existing treatment works. The project will result in implementation of WWTF optimizations and will also provide technical assistance, education, and outreach for to municipal WWTFs subject to reduced effluent phosphorus limits.

Outputs

- Technical assistance provided to 15-25 WWTFs in Vermont's Lake Champlain Basin
- Phosphorus optimization plans or wastewater asset management planning for 3-4 facilities in Vermont's Lake Champlain Basin
- For the facilities where Phosphorus Optimization Plans (POPs) are developed, projected total phosphorus load reductions over a five-year period with full implementation of wastewater optimizations.

Outcomes

- Managers and operators informed of innovative phosphorus reduction opportunities and demonstrating tools and techniques to reduce phosphorus loading from WWTFs
- Acceptance of new management approaches as well as utilization of improved optimization strategies to further reduce phosphorus loadings from WWTFs.

Organization: VT DEC

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EPA (FFY20)

Open Date: 10/1/2021

Close Date: 9/30/2025

Grant Amount: \$150,000.00

2022 Externally Managed Project

concluded

Water Chestnut Management Partnership 2021 - Lake Champlain Basin

Project Summary

The Vermont Department of Environmental Conservation (VT DEC) continued water chestnut management north-to-south in the waters of Lake Champlain and the surrounding basin. In 2020 and 2021, VTDEC will monitor, remove, and dispose of hand harvested water chestnut at up to 81 Lake Champlain sites and 29 other water bodies via contract and multiple partnerships. U.S EPA funds awarded via the Lake Champlain Basin Program (LCBP) in FFY2020 will contribute to a VTDEC-overseen contracted hand harvesting program at the majority of these sites, all of which are within the Lake Champlain Basin. VTDEC will also continue a new initiative piloted in 2018, to employ unmanned aircraft systems (UAS or drones) technology to increase the efficiency of hand-harvesting efforts, and to monitor sites that have been the focus of long-term efforts. It is expected that this monitoring data will inform management plans in the future, and further increase the efficacy of the program. A portion of the funds sought from LCBP will contribute to this element.

Outputs:

- Number and weight of plants harvested.
- Water chestnut population locations and maps
- 2022 Water Chestnut Harvesting Tracking Sheet for up to 81 Lake Champlain sites and over 25 other waterbodies in the basin

Outcomes:

- Water chestnut management goals: reduce densities, prevent further spread, shift harvesting techniques in Lake Champlain populations from mechanical means to hand harvest and continued surveillance. Results of monitoring project will help to inform future management decisions.

Organization: VT DEC

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EPA (FFY21)

Start Date: 4/1/2022

Close Date: 9/30/2025

Grant Amount: \$90,000.00

Water Chestnut Management Partnership - Lake Champlain Basin

Project Summary

In Federal Fiscal Year 2023, VTDEC will continue a new hand pulling operation that will target unharvested and challenging locations by using motorboats rather than kayaks, to access and hand harvest dense mats of water chestnut that are mixed with native plants. This operation will work in concert with the mechanical harvesting operators, and load spoils onto the transporter. Activities will include:

1. Survey and manage over 83 Lake Champlain water chestnut sites between St. Albans, VT and Dresden, NY on both sides of the lake by removal by hand, mechanical removal, or a combination of the two methods.
2. Manage over 32 other waters within the Lake Champlain Basin in Vermont by the removal of water chestnut by hand.
3. Dispose of collected material via composting or in approved, upland, non-wetland locations.
4. Purchase a Go-Devil Boat, engine, and trailer
5. Early detection and rapid response for water chestnut in other areas of Lake Champlain and Basin waters of Vermont. Implement a control response if water chestnut is found.

Outputs:

- Number and weight of plants harvested.
- Water chestnut population locations and maps
- 2024 Water Chestnut Harvesting Tracking Sheet for up to 83 Lake Champlain sites and over 32 other waterbodies in the basin
- Purchase Go-Devil Boat, engine, and trailer

Outcomes:

- Water chestnut management goals: reduce densities, prevent further spread, shift harvesting techniques in Lake Champlain populations from mechanical means to hand harvest and continued surveillance. Results of monitoring project will help to inform future management decisions.

Organization:

VT DEC

Contact Person:

Kimberly Jensen

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EPA (FFY23)

Start Date:

4/1/2024

Close Date:

9/30/2025

Grant Amount:

\$110,000.00

2024 Externally Managed Project

concluded

Water Chestnut Management Partnership - Lake Champlain Basin

Project Summary

In Federal Fiscal Year 2024, VTDEC will continue a new hand pulling operation that will target unharvested and challenging locations by using motorboats rather than kayaks, to access and hand harvest dense mats of water chestnut that are mixed with native plants. This operation will work in concert with the mechanical harvesting operators, and load spoils onto the transporter. Activities will include:

1. Survey and manage over 81 Lake Champlain water chestnut sites between St. Albans, VT and Dresden, NY on both sides of the lake by removal by hand, mechanical removal, or a combination of the two methods.
2. Search for water chestnut in 30 other waters within the Lake Champlain Basin in Vermont by hand removal of water chestnut
3. Dispose of collected material via composting or in approved, upland, non-wetland locations.
4. Early detection and rapid response for water chestnut in other areas of Lake Champlain and Basin waters of Vermont. Implement a control response if water chestnut is found.

Outputs:

- Number and weight of plants harvested.
- Water chestnut population locations and maps
- Water Chestnut Harvesting Tracking Sheet for up to 81 Lake Champlain sites and over 30 other waterbodies in the basin

Outcomes:

- Water chestnut management goals: reduce densities, prevent further spread, shift harvesting techniques in Lake Champlain populations from mechanical means to hand harvest and continued surveillance. Results of monitoring project will help to inform future management decisions.

Organization:

VT DEC

Contact Person:

Kimberly Jensen

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EPA (FFY23)

Start Date:

4/1/2025

Close Date:

9/30/2025

Grant Amount:

\$110,000.00

Winooski Headwaters Targeted Intervention

Project Summary

This project will construct erosion control and stormwater management projects in the headwaters of the Winooski River that were prioritized in DEC Stormwater Master Plans. A particular high priority, longstanding, and problematic erosion site to be addressed is a stormwater remediation opportunity identified in the Winooski Tactical Basin Plan, the so-called “Plainfield Gully.” The Plainfield Gully project, located on the Plainfield Health Center property, includes construction of a regraded stormwater-settling area with water-level controlled by a rip-rap filter berm on a small drainage as well as in-gully restoration to arrest longstanding gully erosion and headcutting. An additional gully in the Winooski’s Kingsbury Branch will be stabilized as the second stage of a project that begins with the installation of infiltration practices to address contributing stormwater from the East Calais Post Office (subsurface stormwater chamber) and Moscow Brook Road (infiltration basin).

Outputs

- Construction of step pool system and in gully restoration of “Plainfield Gully.”
- Construction of stormwater infrastructure and Moscow Woods gully restoration.
- Implementation of additional stormwater projects including three subsurface chambers, bioretention, gravel wetlands, and stormwater detention/gully restoration.
- Anticipated 74 kg/year total phosphorus load reduction achieved by stormwater infrastructure and in-gully restoration for the Plainfield project.

Outcomes

- Reduced phosphorus and sediment loading to Winooski River and Lake Champlain Basin.
- The remaining projects will yield up to 376 kg/year of phosphorus, and these estimates will be improved once complete.
- Improved surface water quality from reduced phosphorus and sediment loading to Winooski River and Lake Champlain Basin.

Organization:

VT DEC

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EPA (FFY20)

Open Date:

10/1/2020

Close Date:

9/30/2025

Grant Amount:

\$671,759.00

LAKE CHAMPLAIN STEERING COMMITTEE

Stéfanos Bitzakidis*, Ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs

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Susan Evans McClure, Chair, Heritage Area Partnership Advisory Committee

Laurie Earley, U.S. Fish and Wildlife Service, Lake Champlain

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(Pete Laflamme, Designee)

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Travis Thomason, USDA – Natural Resources Conservation Service (VT)

Antony Tseng*, US Environmental Protection Agency Region 2

Vacant, Local Government representative for NY

Emma Mulvaney-Stanak, Mayor, Burlington, VT – Local Government representative for VT (Megan Moir, Designee)

Joeseeph Zalewski*, NYS Department of Environmental Conservation

*Executive Committee Members

** Non-voting Members

NEIWPCC

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Sarita Croce, Water Resource Protection Programs Director

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ABOUT THE LCBP

The Patrick Leahy Lake Champlain Basin Program (LCBP) coordinates and funds efforts that benefit the Lake Champlain Basin's water quality, fisheries, wetlands, wildlife, recreation, and cultural resources, in partnership with government agencies from New York, Vermont, and Québec, private organizations, local communities, and individuals.

The LCBP was created in 1992 at the recommendation of the Lake Champlain Management Conference. The Management Conference was a multi-jurisdictional effort led by the U.S. Environmental Protection Agency (US EPA) upon the signing of the Lake Champlain Special Designation Act, under Section 120 of the U.S. Clean Water Act on November 5, 1990. Sponsored by Senators Leahy and Jeffords from Vermont and Senators Moynihan and D'Amato from New York, this legislation designated Lake Champlain as a resource of national significance and required examination of water quality, fisheries,

wildlife, recreational, and economic issues.

Before passage of the Act, natural resource managers faced the challenge of addressing specific problems requiring immediate action while also charting a comprehensive, integrated plan for the future of the Lake Champlain Basin. To address this challenge, the Lake Champlain Special Designation Act authorized funding through the US EPA to the States of Vermont and New York, and to NEIWPCC in support of the LCBP to work collaboratively to implement a management plan for the Lake. *Opportunities for Action* has since been the plan that guide's the LCBP's work.

NEIWPCC—a regional commission that helps the states of the Northeast preserve and advance water quality—serves as the primary program administrator of LCBP at the request of the Lake Champlain Steering Committee, and administers the program's personnel and finances. LCBP is a program partner of NEIWPCC.

LCBP GOALS

Opportunities for Action identifies four goals that address the key resource issues facing Lake Champlain and its watershed. These four goals serve as the framework for much of the LCBP's work. This full report of our work in FY2025 includes a full listing of grants across these

four goals, as well as highlights of program staff work, implementation grants, and technical projects. For a summary report of the LCBP's work administered in 2024-2025, please visit: lcbp.org/annual-report-summary



CLEAN WATER

Water in the Lake Champlain Basin's lakes, ponds, rivers, and streams that sustains diverse ecosystems, supports vibrant communities and working landscapes, and provides safe recreation opportunities.



HEALTHY ECOSYSTEMS

Ecosystems that provide clean water for drinking and recreating, and intact habitat that is resilient to extreme events and free of aquatic invasive species where diverse fish and wildlife populations will flourish.



INFORMED & INVOLVED PUBLIC

Basin residents and visitors understand and appreciate Lake Champlain Basin resources, and will possess a sense of personal responsibility that results in behavioral changes and actions to reduce pollution.



THRIVING COMMUNITIES

Communities have an appreciation and understanding of the Basin's natural and cultural resources, and the capacity to implement actions that will result in sound stewardship of resources while maintaining strong local economies.