



Lamoille County Conservation District

Conserving Our Natural Resources since 1945

DISTRICT NEWS

SPRING 2024 ~ TREE AND TROUT EDITION

Note From The Director

Thoughts and Priorities after the 2023 1000 Year Flood

The devastating flood of July followed up by more flooding in December and catastrophic back to back windstorms in sections of Lamoille County in January are a clear sign that the times are changing. We as a society are facing new challenges as they relate to climate resilience. It is more likely that we will see flooding on a regular basis as well as long periods of drought. Temperatures will fluctuate in extreme ways as well. This is the model that has been foreseen by the greater scientific community for decades and it is coming to pass. The key word is **variability**. We must adapt to the changing environment not only to protect our natural resources but also enhance our food security through better soil health practices and agricultural innovations.



The old model of rebuilding in a floodplain is being replaced by government funded land buyouts, river corridor easements, riparian buffer zone plantings and other floodplain/stream restoration projects. At the same time we will need more airable land for farming and at first glance this may seem like a conflict of interest. The Vermont Natural Resources Conservation Districts see this as an opportunity and not a conflict. We can balance the need to conserve land for ecological

reasons and produce a diverse and robust amount of agricultural products if we work together as a community. Improving soil health through practices like no-tilling, cover crop incorporation, manure injection, as well as incorporating more trees into the agricultural landscape are just a few of the regenerative agricultural practices that can help steer the way to this balance. The act of farming can be beneficial to the environment and wildlife diversity if we start with that as a goal.



If you want to learn more or do more please reach out to our office so we can connect you with the right programs lcddirector@gmail.com. Page 2 will offer some programs that you all might be interested in whether you are an agricultural producer or not.

Lamoille County Conservation District Mission:

To maintain and improve our natural resources.

To aid and educate our fellow citizens to appreciate and adjust to the changes taking place in our natural resource system.

To be a local voice for conservation, preservation and stewardship of all natural resources and work in conjunction with other agencies, private and public.

LAMOILLE COUNTY CONSERVATION DISTRICT

2024 PROJECT UPDATES

The Northwest Zone Local Led Funding Pool

Lamoille County NRCD (aka LCCD) is working with the Franklin County NRCD and the Grand Isle NRCD to advertise and coordinate the Natural Resources Conservation Service's (NRCS) Northwest Zone Local Led Funding Pool. Agricultural producers and landowners from these three counties will have the opportunity every year to apply for this funding. This pool of funding will go to practices that were determined through a Locally Led Conservation working group meetings made up of the conservation districts, farmers, the NRCS and other state partners. A survey that is updated every year by this working group is the product of these discussions. A new survey for 2025 will be advertised shortly.

The practices that were ranked high for 2024 included:

- Waste facility closure
- Windbreak / shelterbelt establishment and renovation
- Silvopasture
- Riparian herbaceous cover
- Riparian forest buffer
- Wildlife habitat planting
- Tree or shrub site preparation
- Nutrient management
- Vegetative buffer
- Stream habitat improvement and management
- Herbaceous wind barriers
- Tree or shrub establishment
- Wetland wildlife habitat management
- Upland wildlife habitat management
- Early successional habitat development management
- Forest trails and landings
- Wetland restoration
- Wetland establishment
- Amending soil properties with lime
- Soil carbon amendment



The new rankings for 2025 funding will be determined this spring and advertised this summer. Stay tuned. Pre application questions can be directed to Sarah.larose@usda.gov or 802-503-9202.

Get Paid To Pollinate, Restore Wildlife Habitat and Protect our Rivers

Do you have land on a river or wetland? Do you have land you want to convert to a natural area? There are programs that will pay you to do so. River Corridor Easements can be established on your land by agencies such as the Vermont Land Trust and the Vermont River Conservancy. Further payments can be awarded to agricultural producers through the VT Agency of Ag Partnership Conservation Reserve Enhancement Program (CREP) for planting trees on your river corridor or wetland area and restoring wildlife habitat. If your primary intention is to restore pollinator habitat or wildlife habitat all landowners can sign up for the NRCS's Conservation Stewardship Program (CSP) and get paid to do this restoration. Let LCCD help guide you to these funding opportunities lccddirector@gmail.com or go directly to the 2024 Guide To Assistance For Agricultural Producers of Vermont <https://www.franklincountynrcd.org/agproducersguide> to look at all assistance opportunities.

LAMOILLE COUNTY CONSERVATION DISTRICT

2024 PROJECT UPDATES

Agricultural Updates

Workshops

This spring the Lamoille County Conservation District will host an agroforestry workshop. There will be a speaker and posters with handouts about practices in Vermont, lunch provided, and an opportunity to



get all your questions about agroforestry answered. Following the agroforestry workshop the Lamoille County Conservation District is gearing up to host additional workshops, details will be posted on our website. We are seeking input for future workshops tailored to the community, please email emma.sandman32@gmail.com with input and topics you would like covered.

Land Treatment Plans

This past winter we helped farmers update their Land Treatment Plans. Over the course of the winter farmers updated their Land Treatment Plans and outlined spring treatment strategies. This meant updating maps, inventory spreadsheets, and soil samples. The LCCD is also providing free soil sampling this spring through fall, if you are interested please reach out to emma.sandman32@gmail.com to schedule an appointment.



Conservation Practice Survey

This past year the LCCD has embarked populating the Conservation Practice Survey. This survey is for famers within Lamoille County who are implementing conservation practices without financial assistance from NRCS or LCCSD. Some of these practices include, no-till, cover crop, crop rotation, planting buffers, livestock exclusion and manure injection. It is important that the LCCD takes stock of how many farms in Lamoille County are contributing to reducing phosphorous runoff, preventing erosion, and enhancing the soil. If you are implementing conservation practices without financial assistance or you know someone who is, please email emma.sandman32@gmail.com.

Soil Sampling.

This spring and summer LCCD will undertake soil sampling for producers who require updated soil tests as well as for farms wishing to obtain a bassline of existing conditions of the soils in their fields. The LCCD is happy to provide training and equipment and up to 10 samples free of charge. This helps producers understand composition of their soil and further how to apply fertilizer according to the test results. Contact Emma Sandman, emma.sandman32@gmail.com to schedule your free soil sampling.

Tactical Basin Plan

LCCD is working to address the recommended projects set forth by the Lamoille County Tactical Basin plan. The Tactical Basin Plan has assessed the agricultural needs of the surrounding watershed and has provided recommendations based off of the results. Some of the goals have been to increase outreach and farmer participation that results in more landowner willingness, increase rates of repayment for services, building strong partnerships and increasing trust within the farming community, and increasing no-till in areas with continuous corn and annual flooding. Overall the Tactical Basin plan aims to protect and restore Vermont's surface waters.

THANK YOU TO OUR MEMBERS WHO HELPED LCCD TO WORK WITH 618 LAMOILLE RESIDENTS!!!

Gratitude and Appreciation to LCCD's Generous Members:

Conservationist: Debbie & David Schoop; Judy Geer and Dick Dreissigacker, Concept II, Inc.; Jeff & Kelly Manosh, William Stritzler

Sponsor: Peter & Brenda Christie; Elizabeth & Nicholas Deane; Erin M Carroll & Richard J Fitzhenry; Daniel A & Marlaina Hunter; Christine Pepe; Janet Lanphear in memory of Pete Lanphear; Susan & Bob Titterton

Supporters: Butternut Mountain Farm; Kevin & Carla Fitzgerald; Susan Ludington in memory of Chris Ludington, John & Faith Parker; Joncarlo Sarita; Janet and MJ Shaw; Ron & Judy Stancliff

PROGRAM PARTICIPATION	2023
Education Programs	1090
Volunteers	62
Trainings	7
Sales Customers	43
Farms	33
Conservation Programs	18
TOTAL PARTICIPANTS	1,253

**Thank You to our Current Members! We appreciate your help!!!
If you're not listed on this page and are receiving this newsletter,
please renew your membership.
Please let us know if your name is missing from the list.**

Steve & Mary Jean Beimdiek; Coleen Brennan: Jenna & James Brochhausen; Butternut Mountain Farm; Thomas & Tatjana Cady; Erin M Carroll & Richard J Fitzhenry; Anne & Mike Cassidy; Kendall Chamberlin; Peter & Brenda Christie; Nick Crandall; Charlie Davis; Daniel L Dauth; Elizabeth & Nicholas Deane; Melissa F. DiMotta; Laurie Doyle; Jonas Dorcas; Judy Geer and Dick Dreissigacker; Jeffery Emenheiser; Kevin & Carla Fitzgerald; Annie Harlow; Penelope and Frank Harris III in memory of Jan "Gaga" Ayers; Richard Heh; Daniel A & Marlaina Hunter; Kathleen & Andrew Knittle; Liz & Tom Lackey; Kenneth Lamb; Arthur & Jane M Litke; Janet Lanphear in memory of Pete Lanphear; Susan Ludington; Jeff & Kelly Manosh; Linda Martin; Sally & Peter Nolan; Eric Nuse; Peter & Shirley Opstrup; Christine Pepe; William & Donna Putnam; Joncarlo Sarita; David & Debbie Schoop; Janet and MJ Shaw; Bruce Shields; Claudia Shover; Sandy & Don Simonds; Joel & Elizabeth Silverstein; Benjamin Sklarski; Kay E Sparks; Fran Sladyk; Janet & MJ Shaw; Kermit & Hazel Spaulding; Anne & John Steel; William Stritzler; Elizabeth P Thomas; Allan Thompson; Susan and Bob Titterton; Robert & Jane Whitley; Chris & Amy Whitlock; Christine Willard; Cynthia Yerrick



Lamoille County NRCD Supervisors

Charles Davis, Chair
Fran Sladyk, Vice Chair
Jim Pease
Martha Battle
Sarah Ford, Treasurer
Jo-Anne Ring, Associate
Silene DeCiuce, Associate

Go to our "Put A Tree On It!" T-shirt sale at
[Sales | Lamoille Conservation District \(lenrcd.com\)](https://lenrcd.com)

Lamoille County NRCD Staff

Peter Danforth, Director
lccddirector@gmail.com
(802) 521-3004

Emily Porter-Goff, Education Program Coordinator
emilylccdedu@gmail.com
(802) 521-3007

Emma Sandman, Agricultural Outreach Specialist
Emma.sandman32@gmail.com
(802) 521-3008

USDA NRCS

Nancy Allen, Soil Conservationist ext. 3005

USDA FSA

Heather Mateja, CED ext. 3002



T-SHIRT

Fundraiser

LAMOILLE COUNTY CONSERVATION DISTRICT

Education Updates

Lake Champlain Basin Program Continues STREAM WISE Funding

Stream Wise returns to Lamoille County for another year of FREE property evaluations for any property supporting a stream. These Streamwise evaluations will examine your property for where it may be supporting the ecosystem and simple changes you could make to minimize your footprint on the ecosystem. Properties exceeding standards will receive statewide recognition as exemplary "Stream Wise" properties. Email Emily if you are interested in a free evaluation for your property.



Lake Champlain Basin Program Funds "What the River Said"

2023 brought severe flooding to Lamoille county, changing towns and lives. This program is designed to reach kids in towns which were most affected by the flooding to explore the science of flooding, the emotional impact on individuals and towns as well as the economic and social impacts they leave behind. We will investigate how we can build back a stronger more flood resilient community for the future.



Junior Naturalist Program Welcomes New Schools

Cambridge Elementary has joined the Jr Naturalist program for 3 grades this year! Our school program continues to thrive at 5 locations, visiting 12 different classes, bringing a new conservation program each month. Getting kids outside for experiential whole body learning, helps kids not only academically, but physically, emotionally and has even been shown to improve health and attention span.

Mud City Forest School Booms!

Our spring session of forest school immediately filled to capacity. Lamoille county families are embracing the power of our alternative learning program. This spring our students will join us for 1 day a week to supplement their ongoing schooling. We will study the forest all around us, outdoor skills like fire building and navigation, and explore storytelling in its many forms (oral, written, through art, dance, drama, etc). The forest school experience will stay with kids for a lifetime as they share adventures in the forest of Vermont with friends.

2024 Summer Forest Camps are Nearly full!

This summer we will be offering 4 weeks of outdoor nature learning and play for kids 5+ at our Morrisville Nature Center. With themes ranging from the enchanted forest and Demi-God training camp! There are still a few spaces remaining but they are going fast! Are the kids in your life taking full advantage of this amazing landscape we live in? We look forward to another fun summer in the woods with these amazing Lamoille kids!

Willow Longo Returns for a Third Season

We are delighted to have Willow Longo return to Mud City Forest School and summer Forest Camps this season. Willow co-leads as well as co-plans curriculum for camps and forest school with Emily Porter-Goff. Willow brings a MA in Literature from Middlebury College and is a Vermont licensed teacher and published author. This dynamic duo of Emily and Willow bring the arts and science at their best to the nature loving kids in your life.



Emily Porter-Goff, PhD– Education and Outreach coordinator– emilylccdedu@gmail.com

LAMOILLE COUNTY CONSERVATION DISTRICT

2024 CONSERVATION TREE SALE ORDER FORM

Date: _____ Name: _____

Phone: _____ Address: _____ e-mail: _____

Bare Root Trees & Flowering Shrub Species	Pick Up at LCCD Office Parking Lot April 27th, 2024		
		Bareroot Unless >	Tubes or Containers
White Pine (<i>Pinus strobus</i>)	2-3'	\$8	
Bur Oak (<i>Quercus macrocarpa</i>)	2-3'	\$8	
Red Maple (<i>Acer rubrum</i>) (<i>Field Grown Liners</i>)	2-3'	\$8	
Red Oak (<i>Quercus rubra</i>)	2-3'	\$8	
Black Willow (<i>Salix nigra</i>)	3-4'	\$10	
Black cherry (<i>Prunus serotina</i>)	2-3'	\$8	
Elderberry (<i>Sambucus canadensis</i>)	2-3'	\$10	
Quaking Aspen (<i>Populus tremuloides</i>)	2-3'	\$15	
Shrub willow (<i>Salix spp.</i>)	1-2'	\$8	
Silky dogwood (<i>Cornus amomum</i>)	2-3'	8	
Nanyberry (<i>Viburnum lentago</i>)	2-3'	\$10	
Tamarack (<i>Larix laricina</i>)	1-2'	\$8	
Aronia (<i>Aronia melanocarpa</i>)	2-3'	\$8	
Paper Birch (<i>Betula nigra</i>)	2-3'	\$10	
Highbush Cranberry (<i>Viburnum trilobum</i>)	2-3'	\$8	
Red Osier Dogwood (<i>Cornus sericea</i>)	3-4'	\$10	
Silver maple (<i>Acer saccharinum</i>)	2'-3'	\$8	
Speckled Alder (<i>Alnus incana</i>)	2-3'	\$16	1 gal con.
Witch Hazel (<i>Hamamelis virginiana</i>)	2-3'	\$8	
Choke Cherries (<i>Prunus virginiana</i>)	2-3'	\$10	
Yellow Birch (<i>Betula alleghaniensis</i>)	3'-6'	\$20	1.5 gal con.
Swamp White Oak (<i>Quercus bicolor</i>)	2'-3'	\$8	

Please attach a list of other varieties you would like to see! We will attempt to accommodate. Price will remain \$10 dependent on species but size may vary. Total from attached sheet:

A minimum of \$25 is required to cover administrative costs **PLANT SUBTOTAL**

Order deadline is April 19th	Member Benefits First choice orders will be taken from members <i>only</i> , until April 1st Members receive 5% off entire order	Discount:
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Make me a Member/Renew Membership \$35 Individual \$60 Family \$125 Supporter \$250 Sponsor \$500 Steward \$1000 Conservationist	Member:
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Pre-payment is required. Please make checks out to LCCD Send to: LCCD 109 Professional Drive, Suite 2 Morrisville, Vermont 05661	TOTAL:
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No news is good news! You will not receive a confirmation for your order or a reminder. We will contact you only if we cannot process your order. Retain a copy of your order form and **PLEASE mark your calendars.** Phone calls are not accepted on the day of the sale.

PLEASE be sure to make alternative arrangements if needed with LCCD before Saturday.

All orders must be picked up on Saturday, April 27th between 10:00 am and 12:00 pm at office parking lot. Orders are non-refundable.

TROUT SALES 2024

Common Questions and Answers:

Will trout live in my pond? Which trout species is better for my pond?

Trout survive best in cold oxygenated water maintaining a water temperature of 65°. As long as there are springs or a source of water flowing into the pond, small ponds to large ponds will accommodate both species of trout. If waters are not consistently flowing into the pond, then the pond should be at least 8' in depth and shaded to maintain temperatures in summer and winter. Ponds that have well-oxygenated flowing waters support Brook trout best. If water warms in the summer, Rainbow trout have a higher success rate.

How many trout and how often should I stock in my pond? Should I feed the trout?

The number and size of fish depend on the water flow, chemistry, and available food source. The general rule of thumb is 100 8" trout per 1/4 acre of open surface area. If the waters are spring fed, and the temperatures are consistent then stocking once every few years may work. If there are predators such as heron, mink, or fishers present than you may want to stock annually. Large trout will feed on smaller trout that are half their size. Ponds that are older than three years should have enough aquatic insect larvae, worms, tadpoles, etc. for trout to eat. Newer ponds that lack substrate such as a vegetative buffer around the pond, and submerged and benthic plants may not support these natural foods. Feeding fish may cause an increase in nutrients to the pond which can then lead to algae.

What can I do about algae in my pond?

LCCD provides site visits for pond owners to assess pond conditions and make recommendations. Site visits are scheduled in June.

Spring Trout Sale Details

Please fill out the Order Form below and send it and payment to LCCD by April 26th, 2024. For more information about stocking trout, please visit our website www.lcnrcd.com. Sorry, we cannot take payments over the phone.

Make checks out to LCCD, 109 Professional Drive, Suite 2, Morrisville, VT 05661

Orders of 6-8" trout must be picked up on **May 1st** between **12:00 and 1:00 pm at Oxbow Park** (at the end of Portland Street past Morrisville Lumber). After 1:00 pm, we will forfeit unclaimed orders and will not keep the trout. Trout are provided in an air sealed large plastic bag. It's best to stock trout immediately in your pond after pick up to insure their survival.

Orders of 10-12" trout will be delivered by the trout farm **any time** on the afternoons of **May 1st or May 2nd**. Price per lot includes delivery. We cannot schedule deliveries. A flag at the delivery site and/or an order confirmation will be left onsite. Please e-mail or include directions to the best location to leave confirmation and specific directions from the nearest route to your pond with your order form and payment. Addresses will be mapped via Google and GPS with other deliveries. Split deliveries within one-mile include a \$30 additional charge.

Order confirmation calls or reminders are not provided. Please retain this information sheet for your records.

Please be sure to note the trout day on your calendars for deliveries and/or pick up orders.

2024 Spring Trout Order Form

Please check your member status on page 4 to receive member rates

PICK UP

6-8" Rainbow trout (Lots of 25) # lots _____ x \$80 (\$65 for members) = _____
6-8" Brook trout (Lots of 25) # lots _____ x \$80 (\$65 for members) = _____

DELIVERY

10-12" Rainbow trout (Lots of 50) # lots _____ x \$340(\$290 for members) = _____
10-12" Brook trout (Lots of 50) # lots _____ x \$340(\$290 for members) = _____

Make me a Member/Renew Membership

\$35 Individual \$60 Family \$125 Supporter \$250 Sponsor \$500 Steward \$1000 Conservationist = _____

TOTAL = _____

Name _____

E-Mail _____

Mailing Address _____

Phone _____

Physical Address (for deliveries) _____

Please include special directions from a main route on a separate sheet if necessary. **THANKS FOR YOUR ORDER!!!**

MUD CITY

Conservation Learning

Hands on student learning with a sense of purpose and place



Jr Naturalist

We travel to your school monthly to deliver a 1 hour active outdoor nature program, on a class by class basis. Studently will learn about the animals, plants and ecology around their home and school.



Field Trips

Our 40 Acre Nature Center is Morrisville boasts a pond, vernal pools, wetlands, hiking trails, forests, meadows and orchards. Immerse your students in a nature experience.



Custom Curriculum

Have something else in mind? We will create a custom curriculum to accommodate your program, for you to teach or us.

MORE INFO

Emily Porter-Goff, PhD
Education and Water Quality Specialist
emilylccdedu@gmail.com
www.LCNRCD.com



Lamoille County Conservation District

CALL FOR VOLUNTEERS

EMAIL PETER AT
LCCDDIRECTOR@GMAIL.COM FOR DETAILS



Lamoille County Conservation District

109 Professional Drive, Suite 2
Morrisville, Vermont 05661
802-521-3004
www.lcnrcd.com

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Spring 2023 Newsletter



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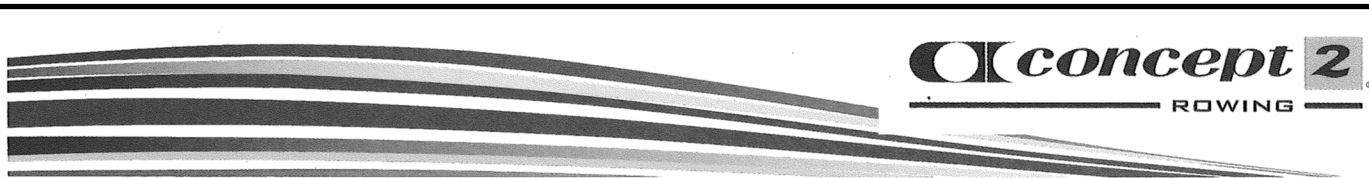
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LCCD SPRING 2023
NEWSLETTER