

# Lamoille County Conservation District

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Morrisville, Vermont 05661  
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www.lcnrcd.com

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# Lamoille County Conservation District

Conserving Our Natural Resources since 1945



## DISTRICT NEWS

SPRING 2022 ~ TREE AND TROUT EDITION

### A Message From the Director

The past two years have been challenging in many ways, but despite a global pandemic, LCCD along with the other 13 Natural Resource Conservation Districts (NRCs) in Vermont have persevered and continue to be the catalyst for positive change by connecting people, organizations, and resources to steward our land and water resources for the future. With the climate changing rapidly and extreme weather patterns occurring on a global scale the NRCs will act as front line of defense and resilience to these challenges.



NRCs provide “boots on the ground” availability to farms, municipalities and landowners and help guide them to funding and technical assistance that would address soil health, plant health, stormwater infrastructural needs, lake and pond health, river corridor improvements, and expanded wildlife and pollinator habitats, just to name a few. Although we are often funded by federal and state grants, our decision making process is community led and 90% of our projects usually evolve out of resource concerns that were brought to our attention by you, the public!

In order to have a successful outcomes to the projects we bring all partners into a safe space together to work them out. Top down approaches do not work, but community driven approaches almost always do.

### New Intern Abigail Burgess

Through an anonymous donation provided by Forward Philanthropy, LCCD will be able to expand its Educational Programing for Lamoille County’s K-12 and adult students, and its clean water work to further reduce phosphorus runoff in the Lake Champlain Basin. We welcome Abby Burgess as our new intern, where she will assist the Director and Educational Program Coordinator achieve these goals.

“My name is Abby Burgess and I am a senior at Northern Vermont University-Johnson. I’ll be graduating this spring with my Bachelor’s in Outdoor Education, Leadership and Tourism with an Environmental Education concentration. I grew up in Colchester, Vermont and have worked my way closer to the mountains over time, now living in Cambridge with my fiancé, Ryan, and our two dogs, Opie and Barrett. Most of my free time is spent outdoors, hiking, trail running, cross country skiing, camping, paddling, or riding my horse, Sheldon. My passion for the outdoors and natural spaces is what led me to my school program and now to LCCD. I’m excited to extend my learning to an actionable position within the Lamoille County community with this internship!”



### 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.

## Spring 2022 Newsletter



Winters Chiropractic  
65 Portland St., Morrisville, VT 05661

Dr. Betsy Perez Urology



51 Brigham Street, Morrisville  
802-888-8823



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Lamoille County NRC  
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healthy communities.

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LCCD SPRING 2022  
NEWSLETTER

# LAMOILLE COUNTY CONSERVATION DISTRICT

## 2022 PROJECT UPDATES

### Stowe Stormwater Master Plan

Watershed Consulting Associates LLC have contracted LCCD to coordinate meetings and do outreach to landowners in Stowe to complete Stowe's Stormwater Master Plan (SWMP).

Stowe and numerous other municipalities in Vermont are doing their part to upgrade their stormwater systems to help mitigate phosphorus, sediment and other pollutant runoff into their respective watersheds. The SWMP process typically takes 2 years with the intention of identifying opportunities for action. This would be the fourth SWMP in Lamoille County that LCCD and watershed Consulting Associates LLC have competed together!

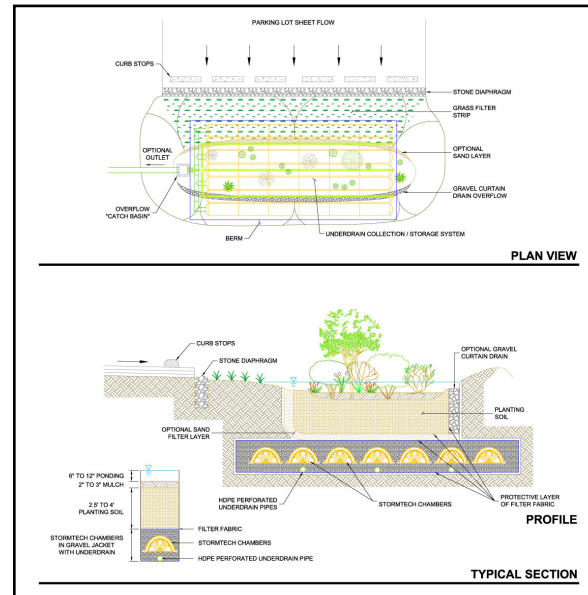


### Prospect Street Bioretention Project

Through a Block Grant provided by the Vermont Department of Environmental Conservation, LCCD with the help of the town of Hyde Park, Watershed Consulting Associates LLC and J. Hutchins installed a subsurface bioretention feature in the turnaround of Prospect St. in Hyde park. LCCD has been working for years with Hyde Park to improve its stormwater systems. It is possibly the most proactive town in Lamoille County regarding Stormwater modifications.

This spring LCCD will work with Hyde Park and the landowners of the Prospect St neighborhood to beautify the area with plantings and provide further absorption of water and nutrients.

It is important to note that this project, as well as all other stormwater, watershed or natural resource conservation projects are also focused on reducing the overall Total Maximum Daily Loads (TMDL) of phosphorus in the Lake Champlain Basin as detailed in the State's Clean Water Initiative and the new goals of the Clean Water Act 76.



### Agriculture Updates

LCCD has successfully assisted 8 farms complete the Nutrient Management Plans through UVM's DigginIn class over the past 7 years. This work has been funded through a Natural Resource Conservation Service Regional Conservation Partnership Program grant. These plans support the successful application of manure and other nutrients to agricultural lands. In addition to creating the plans, LCCD has supported farms in maintaining and updating their plans. This additional work is funded through grant agreements with Vermont Agency of Agriculture Food and Markets. Farms are required to test the manure they apply to fields annually and take soil samples of fields every five years. It has been a pleasure to work with producers to better understand the relationship between nutrients in the soils, applied nutrients, and nutrient requirements of the crops. The class uses the GoCrop computer software to assist in the calculations and data tracking. Many of the producers we have worked are able to see the value of this information. The program has been adapted to include grazing lands with the GoGraze. If you're a producer and you would like support or more information about GoCrop please reach out to: LCCDWorkinglands@gmail.com



# TROUT SALES 2022

### 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 30th, 2022. For more information about stocking trout, please visit our website [www.lcnrcd.com](http://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 4th** 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 4th or May 5th**. 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.

### 2022 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 \$70 (\$55 for members) = \_\_\_\_\_  
 6-8" Brook trout (Lots of 25) # lots \_\_\_\_\_ x \$70 (\$55 for members) = \_\_\_\_\_

#### DELIVERY

10-12" Rainbow trout (Lots of 50) # lots \_\_\_\_\_ x \$220 (\$205 for members) = \_\_\_\_\_  
 10-12" Brook trout (Lots of 50) # lots \_\_\_\_\_ x \$220 (\$205 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!!!**

# LAMOILLE COUNTY CONSERVATION DISTRICT

## 2022 CONSERVATION TREE SALE ORDER FORM

Date: \_\_\_\_\_ Name: \_\_\_\_\_

Phone: \_\_\_\_\_ Address: \_\_\_\_\_ e-mail: \_\_\_\_\_

| Bare Root Trees & Flowering Shrub Species             | Pick Up at LCCD Office April 30th, 2022 |      |                                          |
|-------------------------------------------------------|-----------------------------------------|------|------------------------------------------|
|                                                       |                                         |      | 2-3 Gallon container option if available |
| White Pine ( <i>Pinus strobus</i> )                   | 2-3'                                    | \$10 |                                          |
| Blueberry ( <i>Vaccinium corymbosum</i> )             | 2-3'                                    | \$10 | \$30                                     |
| Button Bush ( <i>Cephalanthus occidentalis</i> )      | 2-3'                                    | \$10 |                                          |
| Red Maple ( <i>Acer rubrum</i> ) (Field Grown Liners) | 2-3'                                    | \$10 |                                          |
| Red Oak ( <i>Quercus rubra</i> )                      | 2-3'                                    | \$10 |                                          |
| Black Chokeberry ( <i>Aronia melanocarpa</i> )        | 2-3'                                    | \$10 | \$30                                     |
| Black cherry ( <i>Prunus serotina</i> )               | 2-3'                                    | \$10 |                                          |
| Elderberry ( <i>Sambucus canadensis</i> )             | 2-3'                                    | \$10 | \$30                                     |
| Quaking Aspen ( <i>Populus tremuloides</i> )          | 2-3'                                    | \$10 |                                          |
| Shrub willow ( <i>Salix spp.</i> )                    | 2-3'                                    | \$10 | \$30                                     |
| Silky dogwood ( <i>Cornus amomum</i> )                | 2-3'                                    | \$10 | \$30                                     |
| Nannyberry ( <i>Viburnum lentago</i> )                | 2-3'                                    | \$10 | \$30                                     |
| Tamarack ( <i>Larix laricina</i> )                    | 2-3'                                    | \$8  |                                          |
| Winterberry ( <i>Ilex verticillate</i> )              | 2-3'                                    | \$10 | \$30                                     |
| River Birch ( <i>Betula nigra</i> )                   | 2-3'                                    | \$10 | \$30                                     |
| Highbush Cranberry ( <i>Viburnum trilobum</i> )       | 2-3'                                    | \$10 | \$30                                     |
| Red Osier Dogwood ( <i>Cornus sericea</i> )           | 2-3'                                    | \$10 |                                          |
| Silver maple ( <i>Acer saccharinum</i> )              | 2-3'                                    | \$10 |                                          |
| Box Elders ( <i>Acer negundo</i> )                    | 2-3'                                    | \$10 |                                          |
| Choke Cherries ( <i>Prunus virginiana</i> )           | 2-3'                                    | \$10 | \$30                                     |
| Speckled alder ( <i>Alnus Incana</i> )                | 2-3'                                    | \$10 |                                          |

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.

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

**Order deadline is April 22nd.** Member Benefits: First choice orders will be taken from members *only*, until April 22nd. Members receive 5% off entire order.

**Make me a Member/Renew Membership**  
 \$35 Individual \$60 Family \$125 Supporter \$250 Sponsor \$500 Steward \$1000 Conservationist

**Pre-payment is required. Please make checks out to LCCD**  
 Send to: LCCD 109 Professional Drive, Suite 2 Morrisville, Vermont 05661

Total from attached sheet:

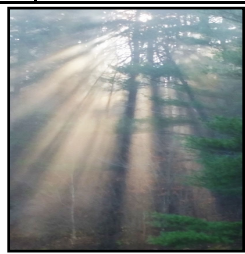
Discount:

Member:

**TOTAL:**

**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 30th between 10:00 am and 12:00 pm at office parking lot. Orders are non-refundable.



# Lamoille Nature Center

# Camps!



### Summer Camp 2022

For over twenty years, LCCD has been providing nature-based education through the Lamoille County Nature Center's summer camps program. Days spent in the fields and woods allow children to develop a long and lasting relationship with nature that will inspire our future leaders and stewards of the land. Camps take place at our 40 acre nature preserve and are led by experienced environmental educators.

**\$225 Members \$275 Non-Members**

Scholarships Available! Please contact us for an application  
 9am-3pm

1600 Cole Hill Rd, Morrisville VT

### Layers of Life

5-8 year olds, July 11-14th 2022

Underground, on the ground, in the water, in the trees, and in the sky. Each day we will explore a layer of life in the forest, using all our senses. We will create, learn, play, move and give back to the earth. Craft projects, games, stories, and adventures will fill our days.

### Guardians of the Watershed

8-12 year olds, July 18-22nd 2022

The rain that falls on the leaf of a tree at our nature center travels its path to the Lamoille River, into Lake Champlain, then reaching the Atlantic Ocean. We will play with river and watershed models to better understand our watershed and what we can all do to help protect it.

### Wild Art

8-12 year olds, July 25-29th 2022

For artists and crafters of all mediums. In this collaborative camp, you will spend 2 days at our nature center creating art in the forest and 2 days at River Arts campus, followed by an art celebration day at Oxbow Park to showcase our work.

emilylccdedu@gmail.com

www.LCNRCD.com

**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  
**Sponsor:** Elizabeth & Nicholas Deane; Janet Lanphear in memory of Pete Lanphear; Jeff & Penni Rochette; Susan & Bob Titterton  
**Supporters:** Robert Burley, Kim Jensen; Howard Manosh; Butternut Mountain Farm; Deborah Pomeroy; Jill Lindenmeyr; Susan Ludington in memory of Chris Ludington, Ron & Judy Stancliff

| PROGRAM PARTICIPATION     | 2021       |
|---------------------------|------------|
| Education Programs        | 631        |
| Volunteers                | 62         |
| Trainings                 | 72         |
| Sales Customers           | 84         |
| Farms                     | 12         |
| Conservation Programs     | 25         |
| <b>TOTAL PARTICIPANTS</b> | <b>886</b> |

**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.**

Bonita Adams; Theodore & Diane Alexander; Gary & Nancy Banks; Geoffroy & Martha Bentley; Elizabeth Bourdon; Butternut Mountain Farm; Thomas & Tatjana Cady; Maja Capps; Anne & Mike Cassidy; Peter & Brenda Christie; John & Judy Clark; Nick Crandall; Charlie Davis; Elizabeth & Nicholas Deane; Jeffery Emenheiser; Judy Geer and Dick Dreissigacker; Alice & Gary Godin; Cara & Steve Hancy; Annie Harlow; Penelope Harris; Richard Heh; David Holten; Dave & Trina Hosmer; Daniel A & Marlaina Hunter; Paul Hurtz, Kim Jensen; Gordon & Sue Johanson; Kenneth Lamb; Janet Lanphear in memory of Pete Lanphear; Walter Levering and Carolyn Ruschp; Jill Lindenmeyr; Trudy Louson; Susan Ludington; Howard Manosh; Roy & Marsha Marble; Alexander Marshall; Linda Martin; Robyn McGuinness; Donald & Susan Miller; Ann Nichols; Kim Nichols; Sally & Peter Nolan; Alan Peister; Michael & Louisa Pfaelzer; Kim Place-Foucher; Deboarah Pomeroy; William & Donna Putnam; William & Mary Quigley; Jeff & Penni Rochette; Casey Romero, Peter & Sabrina Rossi; William & Stacey Schaaf; David & Debbie Schoop; Janet and MJ Shaw; Bruce Shields; Sandy & Don Simonds; Geoffroy & Christianne Slate; Fran Sladyk; Kate Smith; Guy & Catherine Gauthier Smythe; Kermit & Hazel Spaulding; Ron and Judy Stancliff; Peter Teubert; Ann Thursby; Susan and Bob Titterton; Mary & Marty Waterman; Robert & Jane Whitley; Charles and Pam Witherell; Amy & Chris Whitlock; Edward & Mary Ann Wilson; Erica Wolff; Cynthia Yerrick

**Lamoille County NRCD  
Supervisors**

Charles Davis, Chair  
 Fran Sladyk, Vice Chair  
 Linda Martin  
 Sarah Ford, Treasurer  
 Jo-Anne Ring, Associate  
 Silene DeCiucis, Associate

**Lamoille County NRCD Staff**

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 lccdworkinglands@gmail.com  
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**USDA NRCS**  
 Nancy Allen, Soil Conservationist ext. 3005  
**USDA FSA**  
 Heather Mateja, CED ext. 3002

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



**LAMOILLE COUNTY CONSERVATION DISTRICT**

**Education Updates**

**Watershed Education for Lamoille County Schools**

This past fall we visited 3 Lamoille County elementary classes with a 4 session watershed education series, supported by The Vermont Community Foundation. Students walked to the Lamoille River or tributary and completed hands-on water quality and river assessments. They created functioning watershed models and experimented with streambank erosion simulators. Students were so grateful to be outside and learning from the real thing, about something that matters to their community. Thank you Vermont Community Foundation, Johnson Elementary School and Wolcott Elementary school for your participation.



This spring, thanks to funding from the Lake Champlain Basin Program, we will provide a comprehensive, 6-lesson Watershed education unit to 4 Lamoille County classes. Students will learn hands on freshwater science directly from the Lamoille River.



**Lake Champlain Basin Program Funds "A Day at the River!" fieldtrips for Lamoille Schools**

LCCD will be providing 7 full-day at the river field trips for Lamoille County Schools. Bussing will be provided for schools not within walking distance to a suitable river site. This comprehensive experience will be hands (and feet!) on and multidisciplinary, tying the river into science, art and writing to bring water stewardship to the next generation of leaders. Teachers! Contact us for your classes to attend in the 2022-23 school year!



**Junior Naturalist Programs**

The Junior Naturalist program was successfully reinstated this year, with COVID precautions. The program has been held at 8 locations across Lamoille County Elementary Schools and Public Libraries, hosting 639 attendees at 52 programs. We have learned about everything from squirrels to evergreens. Providing school children with nature experiences is not only important for community building and critical thinking but it has also been shown to reduce stress and anxiety, reduce ADHD and improve physical well being. Thus far, our program has mostly attracted kindergarten and preschool classes. However, the benefits are valuable to all grades. We aim to expand this program to reach older children in future years. Teachers! Please contact us to bring your classroom into nature!

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