

Lamoille County Conservation District

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 www.lcnrcd.com

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Fall 2019 Newsletter



Lamoille County Conservation District

Conserving Our Natural Resources since 1945

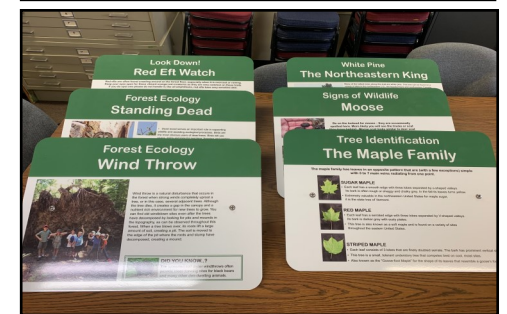


DISTRICT NEWS

FALL 2019

The Lamoille County Nature Center

Further work has been done up at the LCNC thanks to the help of Great Big Graphics and Stacey Waterman on new trail sign designs and Brian Shackett and the Vermont Offender Work Program (VOWP) for painting the front sign, fixing the picnic tables and building more seating in teepee area. Special thanks goes out to Justin Sutera for harvesting and debarking new teepee poles! Further work is in store for the Nature Center including more playground features and more trail signs. On Saturday the 14th of September over 30 volunteers will be helping Rick Dyer, the Lamoille County Forester, prune the apple trees on site and help LCCD Director Peter Danforth build a specially designed 'insect hotel' to attract a greater diversity of beneficial insects adjacent to the orchard area.



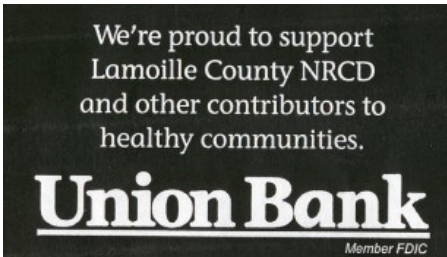
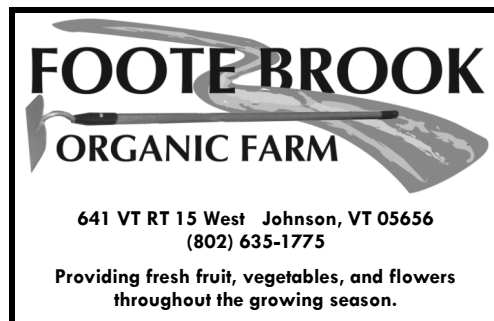
Agriculture Programming Highlights: This year we have kick-started our agriculture outreach initiatives with programs through the state, independent projects, and collaborations; all with the mighty goal of supporting our Lamoille County farms. We are working with local farms on nutrient management plans, and are supporting conservation practices that are already in place as well as facilitating the implementation of new and improved practices. We are getting the community involved and aware of our amazing farming community with agriculture work in schools, art and culture events, and the facilitation of connections between farmers and consumers. Check out our page in the newsletter for details on all of these projects and more!

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.



51 Brigham Street, Morrisville
 802-888-8823



LCCD FALL 2019
 NEWSLETTER

105 INDUSTRIAL PARK DRIVE, MORRISVILLE, VERMONT, USA 05661
 EMAIL: ROWING@CONCEPT2.COM WEB: CONCEPT2.COM SALES: 800.245.5676 INTL: 802.888.6333 FAX: 802.888.4791

LAMOILLE COUNTY CONSERVATION DISTRICT

FALL PROJECT UPDATES

All 3 grants below brought to you thanks to DEC Design/Build Block Grants administered by the NRCC

Smugglers Notch Brewster River Floodplain/ Stream Restoration Project

Work continues to happen at Smugglers Notch Resort to limit sediment and nutrient loading in the upper regions of the Brewster River.

On the week of August 12 a crew from the Vermont Youth Conservation Corp (VYCC) installed check dams in a gully erosion feature above the Brewster. Further work below this feature will continue throughout September and October as well.



Wild Branch Flood Chute Stabilization and Floodplain Restoration

North Wolcott Road was damaged during flooding of the Wild Branch River in January of 2018. The river scoured the road North Wolcott Road was damaged during flooding of the Wild Branch River in January of 2018. The river scoured the road embankment, destroyed overhead utility poles, and damaged other infrastructure. The Town of Wolcott, through a VTrans Emergency Repair Grant, contracted with East Engineering for the design, permitting assistance, and construction engineering services for the permanent improvements to this section of road. East Engineering completed a road reconstruction design, including road embankment improvements along the eroded flood channel, in August of last year.

The road reconstruction however did not address the adjacent area water quality needs and bank stabilization needs leading to excessive sediment and nutrient loading in the flood channel, not to mention the need for a buffer zone and bank stability required for flood reliance. The Vermont Agency of Natural Resources (ANR) reached out to East Engineering to discuss adding potential scope items to the overall project to stabilize additional sections of the Wild Branch flood channel. The LCCD administered this grant that involved channel restoration of approximately 2 acres. Work was completed by GW Tatro Construction in May of this year. This project helped stabilize the banks along the road and reduce sediment loads and Total Phosphorus Daily Loads (TMDL) from entering the Wild Branch River, Lamoille River and Lake Champlain. All that is now required is the planting of trees to further stabilize the banks and provide a number of ecosystem services including providing wildlife habitat, flood plain resilience and filtration of nutrients and water. **We are looking for volunteers to help tree planting this fall! Please call 521-3004 or email lccddirector@gmail.com if interested!**



Centerville Brook Outfall Repair

Work was completed repairing a massive gully erosion feature that daylighted into Centerville Brook in Hyde Park. In June JPW Excavation completed excavation and stone lining of gully outfall and Peter Danforth of the LCCD, 6 Vermont Offense Work Program (VOWP) inmates and an VOWP officer installed 2700 sq. feet of biodegradable Jute erosion control matting and 225 linear feet of straw erosion control waddles and approximately 90 conservation trees. See before and after photos below.



LCCD's Tree Sale of native trees and shrubs are available from species selected for our riparian restoration efforts, this year in Wolcott. In former years we had a wide variety of tree and shrub species but many of these native species are used for other VT Conservation District restoration efforts as well and therefore, the stock is very limited. We're continuing the selection with a limited number of riparian Bare Roots trees and flowering shrubs. The larger Ball & Burlap trees seem to be a good choice for members so we're continuing this option. These trees are larger and in most cases will need a truck for transport. For more information on the species, growing conditions, and photos, check out the USDA Plants Database at plants.usda.gov

LAMOILLE COUNTY CONSERVATION DISTRICT 2019 CONSERVATION TREE SALE ORDER FORM

Date: _____ Name: _____

Phone: _____ Address: _____ e-mail: _____

Tree Species (Root Ball & Burlap)	Pick Up at LCCD Office Oct 12th or at scheduled time coordinated with Peter		
Balsam fir (<i>Abies balsamea</i>)	3-4'	\$18	
Northern White cedar (<i>Thuja occidentalis</i>)	3-4'	\$10	
Red maple (<i>Acer rubrum</i>)	6-8'	\$20	
Sugar maple (<i>Acer saccharum</i>)	6-8'	\$20	
White birch (<i>Betula papyrifera</i>)	6-8'	\$20	
White pine (<i>Pinus strobus</i>)	3-4'	\$18	
Tamarack (<i>Larix laricina</i>)	2'	\$15	
Bare Root Trees & Flowering Shrub Species			
Black cherry (<i>Prunus serotina</i>)	3-4'	\$8	
Elderberry (<i>Sambucus canadensis</i>)	3-4'	\$8	
Highbush cranberry (<i>Viburnum trilobum</i>)	3-4'	\$8	
Shrub willow (<i>Salix spp.</i>)	4-5'	\$8	
Silky dogwood (<i>Cornus amomum</i>)	3-4'	\$8	
Balsam poplar (<i>Populus Balsumera</i>)	3-4'	\$8	
Quaking aspen (<i>Populus tremuloides</i>)	3-4'	\$8	
Speckled Alder (<i>Alnus rugosa</i>)	2-3'	\$8	
Cottonwood (<i>Populus deltoides</i>)	3-5'	\$8	
Silver Maple (<i>Acer saccharinum</i>)	3-4'	\$8	

Other bare root varieties may be ordered. Please specify on separate sheet of paper and attach. Price will still be \$8 per item. Total from attached sheet:

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

Order deadline is Oct 4th.

Member Benefits
First choice orders will be taken from members *only*, until April 20st
Members receive 5% off entire order

Discount:

Make me a Member/Renew Membership

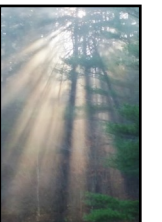
\$35 Individual \$60 Family \$125 Supporter \$250 Sponsor \$500 Steward \$1000 Conservationist

Member:

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

TOTAL:

PLEASE be sure to make alternative arrangements if needed with LCCD before Saturday.
All orders must be picked up on Saturday, Oct 12th between 10:00 am and 12:00 pm at
LCCD/USDA Office, 109 Professional Drive, Suite 2 Morrisville, Vermont 05661



THANK YOU TO OUR MEMBERS

Gratitude and appreciation to LCCD's Generous Members:

Conservationist: Debbie & David Schoop

Steward: Judy Geer and Dick Dreissigacker; Concept 2, Inc.

Sponsor: Elizabeth & Nicholas Deane; Joni Lanphear; Janet Lanphear in memory of Pete Lanphear

Supporters: Susan and Bob Titterton; David & Lucy Marvin; Union Bank

**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.

Gary & Nancy Banks; Geoffrey and Martha Bentley; Elizabeth Bourdon; Brenna Brochhausen; Dave & Julie Brown; Anne & Mike Cassidy; Peter & Brenda Christie; Charlie Davis; Elizabeth & Nicholas Deane; Bob & Nancy Durand; Barbara Gameroff; Judy Geer and Dick Dreissigacker; Richard Grover; Penelope Harris; Richard Heh; Dave & Trina Hosmer; Dick and Marcia Johannesen; Sue & Gordon Johanson; Kathleen & Andrew Knittle; Liz & Tom Lackey; Kenneth Lamb; Janet Lanphear; Joni Lanphear; Walter Levering and Carolyn Ruschp; Alison Link & David Fainsilber; Trudy Louson, Susan Ludington in memory of Chris Ludington; Howard Manosh; Roy & Marcia Marble; David & Lucy Marvin; Betty McGill; Donald & Susan Miller; Frank Mills; Kim Nichols; Sally & Peter Nolan; Richard Norman; Eric Nuse; Peter Opstrup; Sharon & Scott Perry; Patrick & Laurel Persico; Michael & Louisa Pfaelzer; Douglas & Mary Philipson; Deboarah Pomeroy; Jeff & Penni Rochette; Peter and Sabrina Rossi; Gail Rushford; Sheila Rysz; David & Debbie Schoop; Janet and MJ Shaw; Fran Sladyk; Michael Snyder and Kristen Sharpless; Al Sparks; Kermit & Hazel Spaulding; Ron and Judy Stancliff; Mary Sullivan; Ann Thursby; Susan and Bob Titterton; Charles and Pam Witherell; Union Bank; Amy & Chris Whitlock; Edward Wilson; Cynthia & Charlie Yerrick; Town of Wolcott.; Concept 2, Inc.; Veralux America, Inc.; Leo's Small Engines

Lamoille County NRCD Supervisors

Charles Davis, Chair
Fran Sladyk
Linda Martin
Dirk Schmidt
Joni Lanphear, Associate
Christine Kaiser, Associate

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USDA NRCS

Nancy Allen, Soil Conservationist ext. 3005

USDA FSA

Heather Mateja, CED ext. 3002

LAMOILLE COUNTY NATURE CENTER

See our Calendar for a complete list of fall program offerings.

Welcome Spring Nature Playgroup

For six Tuesdays April through June, LCCD collaborated with the Lamoille Family Center to host a second year of our nature-based playgroup at LCNC. Despite this year's cold, wet spring weather, 67 children and caregivers experienced the sights, sounds and smells of spring together. This program was made possible thanks to support from the Green Mountain Fund of the Vermont Community Foundation.



Nature Center Field Trips

Early summer is a beautiful time to visit the Lamoille County Nature Center and this June we hosted the Johnson Elementary Kindergarteners for a day of nature-detective work, pond exploration and lunch in the teepee meadow. Field trips are planned in coordination with the teacher and can be adapted for age and group size. Interested in treating your class to a Nature Center field trip? Contact Stacey for more information.



Summer Nature Camps

Three successful weeks of day camps were enjoyed by 30 kids this summer at LCNC. Forest Fairy campers industriously crafted a magical fairy village along the hemlock trail, decorated with fairy bells and wands and then served up some fairy soup. Campers in our Creature Tales Story Camp flexed their creativity by coming up with nature-inspired tales of all kinds, while our Carnivorous Creatures campers explored the world of bobcats, coyotes, dragonflies and foxes. We hiked the trails, played in the woods, told stories under the shade trees, mucked around in the pond, got lots of mosquito bites and generally soaked up summer in the Green Mountains. Many thanks to our summer camps assistant Sydney Rochette. Thanks also to members who donated to our campership fund, making it possible for us to assist five families in sending their children to camp this year.

Summer Outreach Programs—Fun With The Sun!

In coordination with summer reading programs, LCCD visited six local libraries for a "Fun With The Sun" program to learn about our favorite star and observe the sun's energy by crafting solar ovens from a pizza box. We built solar ovens and cooked up solar s'mores with 110 kids by the end of the summer!

LCNC Visits Stowe Recreation Summer Campers

Stowe Rec summer campers participated in two LCNC programs this August. Younger campers learned about the adaptations of local wildlife for warm weather while the older campers dug into LCNC's skulls collection to learn how to identify mammals by their skulls.

Vermont Envirothon

Ten high school teams from around Vermont gathered on May 22 at Vermont Technical College in Randolph for the 24th Vermont Envirothon. Congratulations to the Bellows Falls Union High School team led by coach Susan Steiner on their first place finish. The Bellows Falls team went on to represent Vermont at the International Envirothon competition hosted by North Carolina State University in July where they placed 5th in the oral presentation. LCCD continues to serve as coordinator for the Vermont Envirothon.

LCCD at Lamoille County Field Days

We enjoyed seeing so many of you at our tent during the Lamoille County Field Days in July.



LAMOILLE COUNTY CONSERVATION DISTRICT

Agricultural Outreach Program Updates

General Goings On

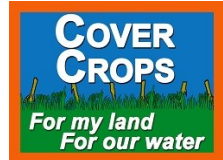


Hello Members! Silene here, updating you on our agriculture programming. Since starting in March, I have been busy getting trained for various programs, working on nutrient management and land treatment plans, taking soil samples, presenting at ag-related functions, designing projects for the county, and above all getting to know and working with our local farming community. In working with several state programs we have brought new funding into the county and I am working to support all of our farms to the best of my ability!



State Programs: FAP, BMP, PSWF, and CEAP

Through the district, farms in Lamoille County are working with several state programs to support conservation practices and new infrastructure. The BMP (Best Management Practices) program is assisting one farm with a new manure storage system, over 200 acres of corn land will be cover cropped this fall through the FAP (Farm Agronomic Practices) program, and 3 farms are working with Jenn Colby from UVM extension on improving their grazing infrastructure through the PSWF (Pasture and Surface Water Fencing Program). FAP is also supporting conservation tillage and rotational grazing practices in the county. Though CEAP (Capital Assistance Equipment Program), the district is also applying for funding to purchase a no-till grain drill for the county that farmers can rent for cover cropping and re-seeding hay fields.

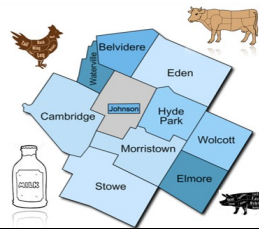


School to Farm Initiative

In order to best support our farms, we believe that community support is crucial, and what better way to tap into the community than through our young Lamoille County learners! We are working with the PA middle level on their Lamoille River unit to provide field trips to local ag fields that border the river to talk about how agriculture can affect water quality, and what our local farmers are doing to keep our river healthy. We are also working with Lamoille Union to provide soil and ag science curriculum to go along with their exciting farm to school program, and with their biology program in the high school. Lastly, we are very excited to announce our "Thank our farmers for the view" project which will get PA AP art, literature, and history students onto Lamoille County farms to gain inspiration for paintings, prose, and historical research to be presented at River Arts this winter! This show will also include work from some local artists, and will be an educational and cultural event not to be missed! Through this event, we hope to remind Lamoille County residents that our beautiful landscape is a working one. A special thanks to Concept2, who has sponsored our school to farm work. All of these exciting projects would not be possible without their support.



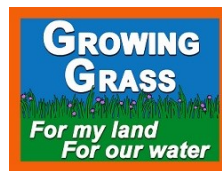
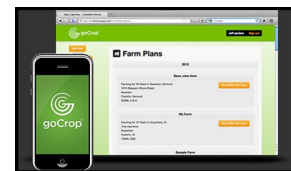
Lamoille County Farm Network



We are working on creating a fun and easy-to-use resource to find grocery staples such as meat, poultry, and raw milk from small farms in our community. We received 3 grants for this project and are currently gathering information on all of the farms who wish to participate. We hope to increase sales off the farm to help diversify our local farming operations and to help Lamoille county residents make more connections with their local agricultural community and get onto our beautiful local farms. To accompany this initiative we will also be hosting local "meat ups" to connect consumers with producers and processors and facilitate an open dialogue around alternative meat purchasing options in our county.

RCCP and AgCWIP programs

Through RCCP funding which brings together state, government, and extension entities, we are working with 3 farms on their nutrient management plans. These plans inventory field, crop, soil, livestock, and management data to create a comprehensive plan for maximizing productivity while supporting water quality and soil health. Farmers will attend classes held by UVM extension to reinforce their knowledge of nutrient management and teach them to use GoCROP, an innovative and interactive crop management tool. Through AgCWIP funding from the state, we have been able to visit almost every farm in the county in our outreach, and help connect farms with resources, funding sources, and create new connections. Using this funding in the future, we hope to provide free soil and manure sampling, crop fertility consulting, and grant writing consulting services. Through AgCWIP dollars we are also organizing trainings in grazing consulting and field competence for district staff across the state.



Final thoughts... and cheese!

We are working with cheesemaker and dairy consultant Jeremy Stevenson from Springbrook Farm in Reading Vermont on a grant that explores connecting more small dairy farms with artisan cheesemakers. Our small "land, milk, cheese" team visited several farms in the county and Jeremy will be using Lamoille County milk on batches of test cheese for the grant! In the future, we hope to help farms explore more of these connections, and do our part to work on Vermont's current dairy crisis. Lamoille County is lucky to still have small dairy farms, and preserving them is essential in maintaining our beautiful working landscape and rural community.



Thanks for reading, please do not hesitate to contact me with any ag-related thoughts or ideas!
-Silene

CALENDAR FALL/WINTER 2019

SEPTEMBER

Children's Program, The Colors of Fall

Thursday, September 12, 10:30-11:30 am
Stowe Free Library, Stowe

Monday, September 16, 6:00-7:00 pm
Lanpher Memorial Library, Hyde Park

Wednesday, October 2, 3:00-4:00 pm
Johnson Public Library, Johnson

Trees get a lot of attention this time of year as they show off their autumn colors. We will investigate the all-important job of leaves, take a closer look at why their colors change and learn to identify some of the trees whose leaves we so admire. Preschool-4th grade. FREE.

OCTOBER

LCCD Tree Sale Pick Up

Saturday, Oct 12, 10:00-12:00 pm
USDA Service Center, Morrisville
Native tree and shrub order pick-up during this time.

Children's Program, Fall Fungi

Thursday, October 3, 10:30-11:30 am
Stowe Free Library, Stowe

Monday, October 21, 6:00-7:00 pm
Lanpher Memorial Library, Hyde Park

Wednesday, October 30, 3:00-4:00 pm
Johnson Public Library, Johnson

Neither a plant nor an animal, fungi like mushrooms, yeasts and molds are their own thing entirely! Fall is a great time to observe fungi as mushrooms pop up for us to see. Join us to learn about the life cycle of a mushroom and create your own mushroom masterpiece! Preschool-4th grade. FREE.

NOVEMBER

Children's Program, Wonderful Wiggly Worms

Thursday, November 7, 10:30-11:30 am
Stowe Free Library, Stowe

Thursday, November 14, 10:30-11:30 am
Jeudevine Memorial Library, Hardwick

Monday, November 18, 6:00-7:00 pm
Lanpher Memorial Library, Hyde Park

Wednesday, November 20, 3:00-4:00 pm
Johnson Public Library, Johnson

The Nature Center's troupe of red wiggler worms will be the guests of honor for this program. We will learn about the anatomy of the earthworm, the important role they play in the ecosystem, watch them turn dead stuff into plant food and investigate some of their preferences with a simple experiment. Preschool-4th grade. FREE.

DECEMBER

Children's Program, Deer in Winter

Wednesday, December 11, 3:00-4:00 pm
Johnson Public Library, Johnson

Monday, December 16, 6:00-7:00 pm
Lanpher Memorial Library, Hyde Park

As winter sets in, Vermont's white-tailed deer are congregating and heading to deer yards in their seasonal travels through changing habitats. Learn how deer deal with the deep snow, cold temps, hungry predators and shrinking menu that come with a northern winter. Preschool-4th grade. FREE.

JANUARY

Children's Program, Snow Secrets

Monday, January 13, 6:00-7:00 pm
Lanpher Memorial Library, Hyde Park

Do YOU know the secret of snow? How does a snowflake form and is every snowflake really different? And how can snow keep things warm? We will collect and observe snowflakes, do some snow melting experiments and a snow detectives scavenger hunt. Preschool-4th grade. FREE.

FEBRUARY

Children's Program, Insects in Winter

Thursday, February 6, 10:30-11:30 am
Stowe Free Library, Stowe

Monday, February 17, 6:00-7:00 pm
Lanpher Memorial Library, Hyde Park

Ever wonder how all those insects that bugged you all summer spend the winter? Turns out that insects use a variety of strategies to survive the cold. We will look into the cold-weather strategies of some of our favorite insects and learn the secret of those few unique insects that can actually be found cruising around on the snow! Preschool-4th grade. FREE.

