



Lamoille County Conservation District

Conserving Our Natural Resources since 1945

DISTRICT NEWS

FALL 2016

Hyde Park Stormwater Improvement Project A Neighborly Accomplishment

LCCD is happy to report that the Hyde Park Stormwater Improvement Project is near completion! We would like to thank our members, sponsors, and anonymous donations that provide LCCD support to write grants for this project to come to fruition. Without these generous donations, LCCD simply would not be the organization it is in helping neighbors, towns, and schools in the community. LCCD received numerous grants, in-kind services support from the Town of Hyde Park, and blessings from the neighbors to successfully complete the project.



Step Pool Conveyance System off Morey Road

The project area begins at a Depot Street Extension culvert where a new stone header will hold back erosion. LCCD was also able to remove soil contaminated with Knotweed and replaced 200 native shrubs in its place. The project continues across the street, where a twenty-foot deep eroded gully channel was restored to its natural height, the bank secured with coir logs, or straw wattles, and reinforced with native shrubs. Continuing across the Rail Trail, LCCD will work with the town next spring to install a Rain Garden. Following the path of water from the trail, a new channel reinforced with bioengineered mats made from coconut fibers that travel to a new culvert and header across Morey Road. The project and waters end in a step-pool conveyance system to protect flooding and further erosion to Centerville Brook.

Gully Restoration south of Depot Street Extension—Photos before and after construction, and after planting.

Another leg of the project consists of installing an infiltration gallery behind Sweet Crunch with assistance from the VT Buildings and Grounds Services who owns a portion of the lot. We hope that in the future many of the long-standing concerns of stormwater will be resolved. This project is a continued effort by LCCD to mitigate the effects of stormwater runoff from developed land areas and promote Green Stormwater Infrastructure (GSI) practices in the Lamoille River Watershed. The project was initiated in 2012 based on a study from the Centerville Brook River Corridor Plan, and the Town of Hyde Park Stormwater Mapping Project which outlined the project as a high priority area of concern.



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.

PROGRAMS 2016

For more information about these projects, please contact LCCD

Vermont Association of Conservation Districts and LCCD State-Wide Proposals: Portable Skidder Bridge and Trees for Streams

For the past few years, LCCD and the Vermont Association of Conservation Districts (VACD) worked together to provide mini-grants to Districts state-wide to reduce nonpoint source pollution by planting riparian buffers and augmenting the supply of portable skidder bridges throughout the state. To date, the Trees for Streams program enabled districts to plant forty-acres of buffers. The Portable Skidder Bridge Program assisted Districts to construct thirteen additional bridges that will be available for loggers. State-wide work accomplished! Funds for the program were provided by the VT ANR Ecosystem Restoration Program.

Trees for Streams 2016

The local LCCD TFS project assisted the Vermont River Conservancy to complete a four-acre buffer project off River Road on the Fairfax/Cambridge line. Student volunteers from Ms. March's and Mr. Whitlock's classes from Lamoille Union High School planted numerous native shrubs and trees. The buffer is part of a much larger twenty eight-acre conservation easement that will remain protected from development.

Trees for the Birds



Notice More Trees Around Town?

A VT Forests Parks & Recreation Communities Caring for Canopy's grant provided funds for LCCD to plant shrubs and trees around Morrisstown this spring. Volunteers from all walks of life from students to community volunteers stopped by to help at Morrisville Park & Ride, Oxbow Park, and new Rail Trail Pocket Park. Thanks volunteers!!!

Lamoille County Stormwater Solutions 2

LCCD received a Lake Champlain Basin Program Grant to continue its efforts for Stormwater Solutions in Lamoille County. Stormwater Solutions 2 will reduce stormwater runoff and future flooding impacts by installing two Green Stormwater Infrastructure (GSI) projects on two Vermont State properties. The goal of this project is to increase state partnerships with the Vermont Agency of Transportation (VTRANS) and the Vermont Building and Ground Services (BGS) to implement watershed restoration practices while improving water quality and reducing stormwater runoff in urban areas. The projects are located in Town of Hyde Park, behind Sweet Crunch, and at the Morrisville VTRANS site.



Stowe Elementary Green Stormwater Infrastructure Plan

LCCD is Stowe Bound! LCCD will reduce stormwater runoff and future flooding impacts by identifying and developing a Green Stormwater Infrastructure (GSI) Plan on the Stowe Elementary School Campus. The goal of this project is to increase school and municipality partnerships and participation to implement watershed restoration practices while improving water quality and reducing stormwater runoff in urban areas. Funds were provided by a Lake Champlain Basin Program Grant to assist school install GSI projects.

Technological Updates—A New Website!!!

LCCD has a new website!!! LCCD updated its website to a new functional platform to increase LCCD's ability to communicate and provide information to a wide-variety of audiences. While not without its kinks, the new website platform will restore the functionality to the website, and hopefully will allow our non-techie staff to make updates. We appreciate your patience as we learn a new skill!! Now if we can just find someone who likes to post on Facebook...



Regional Hydroseeder Program with Essex and Caledonia County

LCCD received funds to create/continue a Regional Hydroseeder Program for three Natural Resources Conservation Districts, Lamoille, Caledonia, and Essex Counties in the northeast region of Vermont, and its municipalities. Lamoille initiated the very successful Hydroseeder Program in Lamoille in 1999 and the project will be used as a model for other regions across the state. Funds for the program were provided by the VT ANR Ecosystem Restoration Program.

Regional Conservation Partnership Program (RCPP) – Farm Nutrient Management Planning

LCCD is working in partnership with VACD to assist three small farm operations in Lamoille County to prepare for the implementation of new Required Agricultural Practices (RAPs) which require small farms to have a current Nutrient Management Plan (NMP) in place by July 1, 2017. LCCD is providing labor and technical assistance in developing NMPs for participating farms ahead of the impending regulations.



WINTER 2016

October - January

Children's Program, Bats Are Beautiful

We have nine species of bats in Vermont but how much do we know about these misunderstood mammals? We'll investigate the basics of bat biology, their favorite foods and learn what life is like for a baby bat.

Thursday, October 13, 3:00-4:00. Preschool-4th grade
Stowe Free Library, Stowe.

Monday, October 17, 6:00-7:00. Preschool-4th grade
Lanpher Memorial Library, Hyde Park.

Friday, October 21, 10:00-11:00. Preschool-4th grade
Varnum Memorial Library, Jeffersonville.

Children's Program, Busy Beavers

Why are the beavers so busy? We'll take a "peek" into a beaver lodge to learn how beavers prepare for and survive the long cold winter.

Wednesday, November 2, 10:00-11:00. Preschool-4th grade
Johnson Public Library, Johnson.

Thursday, November 10, 3:00-4:00. Preschool-4th grade
Stowe Free Library, Stowe.

Monday, November 21, 6:00-6:45 pm. Preschool-4th grade
Lanpher Memorial Library, Hyde Park.

Children's Program, Powering the Planet – Solar Energy

As we near the winter solstice, it is a great time to explore the earth's movements around our favorite star, the sun!

Thursday, December 8, 3:00-4:00. Preschool-4th grade
Stowe Free Library, Stowe.

Children's Program, Snow Secrets

Do you know the secret of snow? How does a snowflake form and is every snowflake really different? How can snow keep things warm?

Thursday, January 12, 3:00-4:00. Preschool-4th grade
Stowe Free Library, Stowe.

LCCD's new Education Program Coordinator survived Summer Camp!

In May, Stacey Waterman joined LCCD as the new Education Program Coordinator and quickly kept the Summer Camp Program running. Stacey has worked as an environmental researcher and educator for twenty years. She has shared her love of science and nature with children and young adults as a docent at the Smithsonian Museum's Hands-on Science Center, as an environmental educator for the Peace Corps in Malawi, a lecturer of soil science and ecological agriculture at the University of Vermont and most recently, a Four Winds volunteer at Johnson Elementary School. Stacey has two children and she and her family live on their blueberry farm in Johnson. Welcome Stacey!



Lamoille County NRCDS Supervisors

Charles Davis, Chair
Fran Sladyk, Vice Chair
Peggy Struhsacker, Treasurer
Jo-Anne Ring, Secretary

Lamoille County Conservation District Staff

Kim Jensen, Director 888-9218 ext.113
kimberly.jensen@vt.nacdnet.net

Stacey Waterman, Education Program Coordinator
888-9218 ext.117
stacey.waterman@vt.nacdnet.net

USDA Natural Resources Conservation Science (NRCS)

Corey Brink, Zone District Conservationist
Nancy Allen, Soil Conservationist
Phillip Wilson, Soil Conservationist

USDA Farm Service Agency (FSA)

Heather Mateja, Regional Director

MEMBERSHIP FALL 2016

Check out our new Website Page @ www.lcnrcd.com



Lamoille County Nature Center Summer Camps 2016 - Where Nature is the Playground

Our camps are for kids who like to climb trees, catch frogs, and aren't afraid of the dark! In June and July, campers toughed it out at the Lamoille County Nature Center. Week-long themes included outdoor survival skills and orienteering, the adaptations of winged animals and investigations of birds of prey. A separate camp just for girls focused on outdoor skills and self-reliance. Two of these camps culminated in a camp-out under the stars at the Nature Center, a memorable first for many of our campers. Our summer camp assistant this year was Calvin Pease. Thank you to our members who contributed towards camperships - Jessica Seddon, Heidi and Milan Kubala, Dana Hudson and Steve Hagenbuch.

Vermont Envirothon 2016

The 21st Vermont Envirothon was held on May 19, 2016 at the Common Ground Center in Starksboro, Vermont. Ten schools across the state explored the Envirothon curriculum this year. The 2016 winning team from Websterville Baptist High School participated in the North American Envirothon held at Trent University in Ontario at the end of July. This year's current issue theme is "Invasive Species—A Challenge to the Environment, Economy, and Society."

For more information about Envirothon, visit www.vacd.org/envirothon.



Lamoille Watershed Quests

LCCD received a grant from the Lake Champlain Basin Program to work with school groups in Wolcott, Waterville, and Cambridge. LCCD will guide students through the watershed investigative process and help them design a watershed quest as a teaching tool for their local communities. Quests developed by these groups will be made available for the public to experience. LCCD will be working with a fifth youth group to revise and update an existing watershed quest at Elmore State Park.

Thank You to our Current Members! We appreciate your help to write grants, educate youth, and protect and conserve our natural resources for future generation. If you're not on the list and are receiving this newsletter, please renew.

Gratitude and appreciation to LCCD's Generous Members:

Conservationist: Concept II, Inc.

Stewards: Elizabeth & Nicholas Deane; Dick Dreissigacker & Judy Geer;
Joni Lanphear & Michael Paritz - Leo's Small Engines

Sponsors: Jeff & Penni Rochette; James & Joanne Schoff; Union Bank

Supporters: Donald Blake Jr. Inc.; Gravel Construction

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**PROGRAM REGISTRATION IS NOT REQUIRED
UNLESS OTHERWISE NOTED**

Contact us for more information on all of our programs



TROUT SALES 2016

LCCD offers this service to landowners to provide low-cost trout from a VT F&WS approved hatchery. Because we coordinate the sales in bulk, we can offer the trout while covering the costs of the program. While we make every effort to bring customer satisfaction to all, please consider that we are a not-for-profit and offer the sale simply as a service to our community to stock ponds with healthy and genetically viable species. Any profits that LCCD's receives goes directly into continuing this service, writing grants to restore riverbanks, and therefore restoring native wild Brook trout habitat. We do our best to send press releases and reminders to all past trout customers but we cannot guarantee that you will be notified of our sales. Please consider joining as a LCCD member so that information on the annual Fall And Spring Trout Sale will get to you in a timely manner and help in the continuation of the program. Thank you!

FALL TROUT SALE DETAILS ORDER BY October 21st PICK UP/DELIVERY October 26th

Please fill out the Order Form below and send it and payment to LCCD by October 21, 2016. 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 Fingerling trout must be picked up on **October 26th** between **12:00 and 1:00 pm** at **Oxbow Park** (at the end of Portland Street past Morrisville Lumber). After 1:00 pm, we reserve the right to forfeit unclaimed orders and will not keep the trout. Trout are provided in an air sealed large plastic bag. Some prefer to bring a bucket or container to use in their cars. It's best to plan to stock trout immediately in your pond after pick up to insure their survival.

Orders of 8-10" trout will be delivered by the trout farm **any time** on the afternoon of **October 26th**. Price per lot includes delivery. We cannot schedule deliveries. A flag at the delivery site and/or an order confirmation will be left onsite. In addition, a photograph of the site will insure/inform delivery status. 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.

2016 Fall Trout Order Form

Please check your member status for member rates, thanks!

PICK UP

Fingerlings Rainbow trout (Lots of 25) # lots _____ x \$45 (\$35 for members) = _____
 Fingerlings Brook trout (Lots of 25) # lots _____ x \$45 (\$35 for members) = _____

DELIVERY

8-10" Rainbow trout (Lots of 50) # lots _____ x \$160 (\$150 for members) = _____
 8-10" Brook trout (Lots of 50) # lots _____ x \$160 (\$150 for members) = _____

The Pond Guidebook _____ copies x \$30 = _____

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.

Lamoille County Conservation District

109 Professional Drive, Suite 2
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 802-888-9218
www.lcnrcd.com

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