



## Lewis Creek Association 2018 Program Highlights

2018 was full of exciting projects for Lewis Creek Association. So many reliable and talented volunteers as well as town and state staff helped LCA to grow its community service programs, especially the water quality education and improvement work that we promote through the “Ahead of the Storm” program. With many years of nature study, data collection and interpretation, LCA and its watershed towns have known since 2015 that Lake Champlain receives the bulk (~80%) of its phosphorus pollution when the streams are experiencing their highest flows. Since too few people are using this knowledge today, LCA’s “Ahead of the Storm” program is critically important for Lake Champlain Valley towns and watersheds from Addison County to Chittenden County.

This year your contributions were critical in helping to leverage funds from Lake Champlain Basin Program, private donors and various State funding sources. Your contributions, town funds and grant funds helped to afford the projects highlighted below. Our partner network continues to grow, and includes town, state and regional government groups, South Chittenden River Watch, Lake Iroquois Association, Charlotte Invasives Collaborative, Responsible Growth Hinesburg, Addison County River Watch Collaborative, Vermont Family Forests, schools, state and local land trusts, foundations and conservancies, Watersheds United Vermont, Vermont Clean Water Network, Vermont Housing and Conservation Coalition and the Vermont Natural Resources Council. The list goes on and we welcome your interest. To visit a board meeting or assist with special projects and board activities, please call and visit our growing library at [lewisecreek.org](http://lewisecreek.org), and learn about daily activities on Facebook.

### **Program Highlights** (\$100,000 annual budget)

#### Restoration and Conservation

- Worked with SCS students and engineers to design and implement a rain garden on campus (Shelburne)
- Worked with Shelburne to identify and design two new stormwater infrastructure projects (Shelburne)
- Worked with CCS students to make a funding plan to address stormwater on campus (Charlotte)
- Worked with the Big Oak Lane neighborhood to install water quality treatments for protecting Thorp Brook (Charlotte)
- Worked with Hinesburg Town to improve stormwater management at the town garage and create a river floodplain restoration plan (Hinesburg)
- Year 10 - Thorp / Kimball invasive European Frogbit and other invasive plant control (Charlotte)
- Year 7 - LaPlatte invasive European Frogbit plant control (Shelburne)
- Year 3 - Invasive Yellow Iris survey and control (Ferrisburgh, Charlotte, Shelburne)

#### Planning and Data Collection

- Provided fiscal sponsorship support for South Chittenden and Addison County River Watch groups
- Prepared educational materials for LCA “Ahead of the Storm” demonstration sites and educational tours
- Completed water quality sampling plans for the Lewis, LaPlatte, McCabe’s, Thorp and Kimball streams

#### Education and Outreach

- Cosponsored a “Water Matters” event with Responsible Growth Hinesburg, preventing water quality impairment in Hinesburg village (Hinesburg)
- Cosponsored a Groundwater talk with the Starksboro Conservation Commission (Starksboro)
- Participated in Shelburne Stormwater Advisory Committee and VT Clean Water Network meetings
- Shared water quality condition reports with towns, VT DEC and Chittenden Reg. Planning Commission
- Worked with area schools to share the math & science behind installing AOTS sites on campuses

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