



Aquatic Organism Passage

- Hands Mill Dam
 - Washington VT
 - Significant safety hazard
 - Will restore 14.7 miles of prime trout habitat in the Jail Branch
 - Will remove 14,300 CY of impounded sediment
- WNRCD also focused on culvert replacement in the Jail and Stevens Branch



Shady Rill Streambank Restoration and Park Re-Design

- Redesigned park to have less impact on Martins Brook streambanks
 - Suffered from heavy compaction from vehicles and recreational access
- Installed hardened paths and granite steps to accommodate recreation and improve bank stability
- Moved access road away from the stream
- Installed willow fascines, stakes, and planted 350 trees on site to widen buffer

Lake Iroquois Watershed Action Plan

The Lake Iroquois Association (LIA), Lewis Creek Association (LCA), and Winooski NRCD will collaborate with the Lake Iroquois Recreation District (LIRD) and other stakeholders to coordinate the development of a Lake Iroquois Watershed Action Plan (LIWAP) that will investigate sources of stormwater runoff and phosphorus pollution, distill a ranked list of projects, and develop concept designs for top priority opportunities to remediate these pollutant sources to improve water quality, wildlife habitat, and climate change resilience.

- Will be conducting tributary, road, and private property assessments

Morse Farm Maple Sugarworks Stormwater Mitigation

The Morse Farm property is a priority location for stormwater and erosion treatment due to its heavy land use activity that takes place closely to Barnes Brook, a tributary of the Winooski River. The 3.6 acre drainage area includes unmanaged impervious cover from Morse Farm and a segment of municipal-owned County Road. An area on the farm's open pastureland, directly south of their lower parking lot, was identified as a feasible location for a gravel wetland to provide storage and filtration of the water quality storm.

- A stone-lined ditch is proposed to intercept the existing drainage from a 930 ft segment of County Road and route road surface runoff into a proposed gravel wetland.
- A grass-lined swale is proposed to pretreat runoff from the farm's impervious surfaces and remove sediment and debris prior to filtration in the gravel wetland.
- A single cell gravel wetland is proposed to manage flows up to the 1-inch, 24-hour storm event. This design will provide maximum benefit for treating runoff to Barnes Brook and meeting water quality treatment goals including the removal of phosphorus.

Other Projects:

- Stormwater feature @ Romney Memorial School
- Underhill central school- stormwater storage project for parking lot area
- Trees for Streams- riparian restoration projects
- Storm Smart- offers free stormwater property assessments to homeowners
 - Helps develop list of non regulatory projects
- Rethink Runoff Stream Team
 - Rain garden installation @ municipal buildings
 - Rain barrel workshops
 - Water quality testing
- Agricultural water quality projects