Protecting and Restoring Riparian Forest Buffers— Working with Landowners and Communities in the Merrimack River Watershed







About the Project

The Merrimack River watershed is the most threatened watershed in the nation based on loss of private forested land.

This 3-year project—Expanding Riparian Forest Buffers in Threatened Urban and Suburban Watersheds: A Precision Stormwater Approach—aims to protect the waters of the Merrimack River by helping landowners and communities care for the land within the most important subwatersheds.

In New Hampshire, we're focused on 4 subwatersheds:

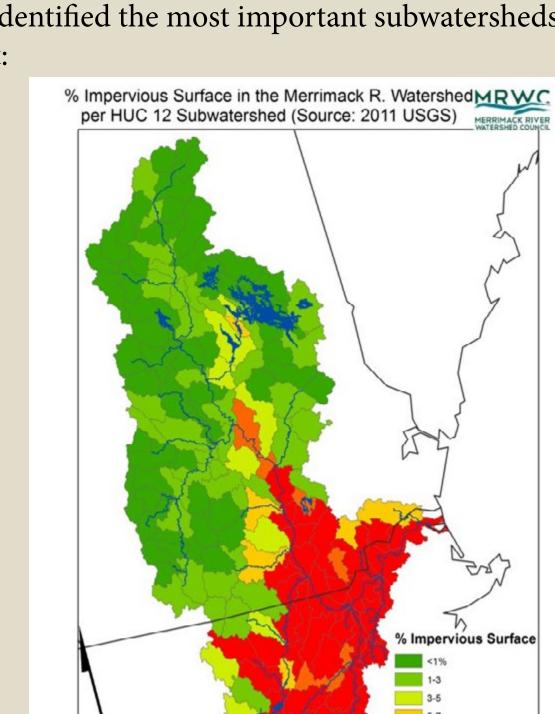
- Merrimack River Drainage (Concord Tributaries)
- Lower Piscataquog River
- South Branch Piscataquog River
- Powwow River

In Massachusetts, we're focused on 3 subwatersheds:

- Squannacook River
- Nashua River— Catacoonamug Brook to Squannacook River
- Whitman River

The Merrimack River Watershed Council identified the most important subwatersheds through landscape analysis. They looked at:

- Impervious surface percentages by HUC12 watershed and 100-meter buffer
- Projected population increases in the next 10 years
- Index of development threats to forests important to drinking water
- 303(d) water quality impairments
- SPARROW modeling
- Outstanding resource waters
- Forest blocks
- Freshwater resilience
- Cold-water fish ranking
- Numbers of threatened and endangered species
- Regional conservation priorities



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For more information, contact Alicia Carlson at alicia.carlson@unh.edu, Alex Krofta at akrofta@merrimack.org, or Al Futterman at alf@nashuariverwatershed.org.

Funding provided by the Landscape-Scale Restoration Program of the U.S. Forest Service and the National Fish and Wildlife Foundation.

The University of New Hampshire Cooperative Extension is an equal opportunity educator and employer. University of New Hampshire, U.S. Department of Agriculture and N.H. counties cooperating.

New Hampshire

Boots on the Ground

UNH Cooperative Extension Foresters are conducting targeted outreach to landowners and communities in the 4 subwatersheds. They provide technical assistance using local information and considering local issues to encourage forest stewardship planning, improve forest management, and protect lands.



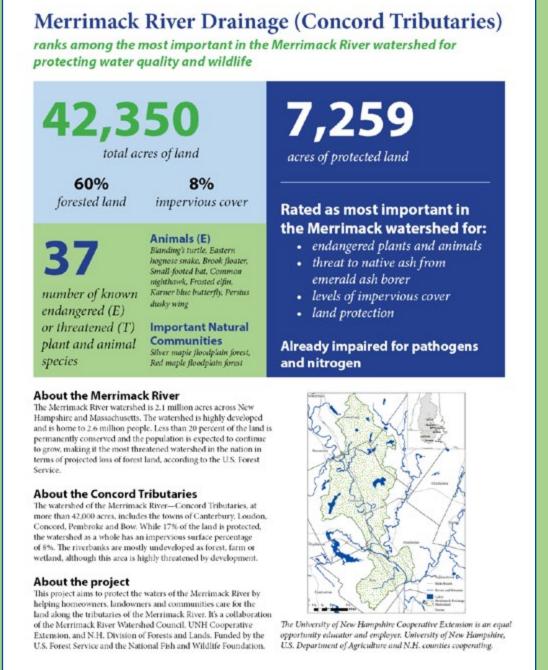
We are currently looking for planting sites for riparian restoration.
Potential sites have been identified in Pembroke and Concord, and we hope to engage with volunteers through the Stewardship Network: New England.

Help us find good sites to restore in New Hampshire!

Key Messages

Using the data gathered by the Merrimack River Watershed Council during their landscape analysis, we created watershed-specific outreach materials for landowners.



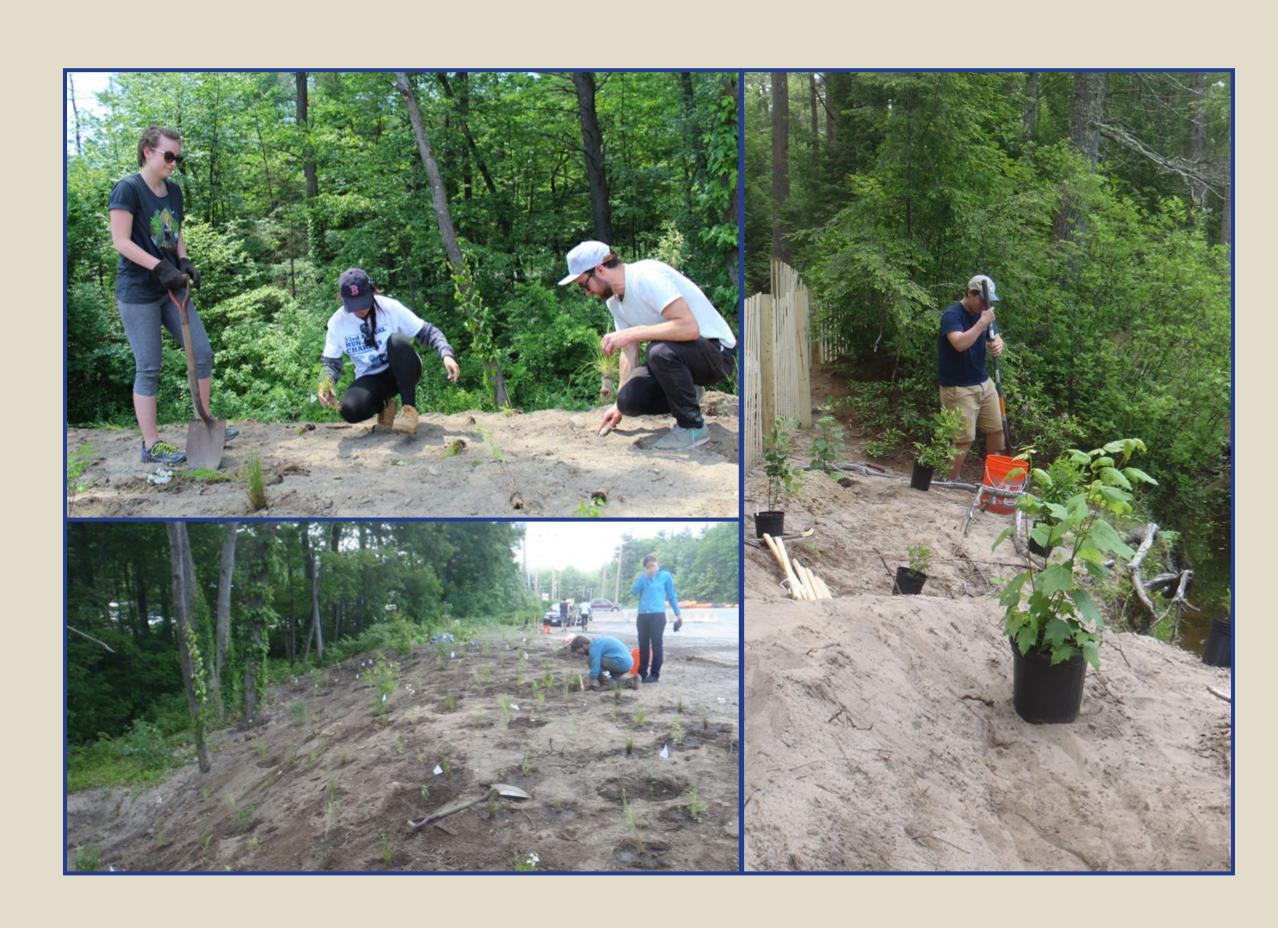


Massachusetts

Boots on the Ground

The Merrimack River Watershed Coalition and Nashua River Watershed Association are working to complete 9 plantings within the 3 subwatersheds, and several more are planned for Spring 2017.

So far, the plantings have been conducted with volunteers including a local scout troop, DPW staff, and homeowners. Planting has taken place at diverse sites, such as an eroded bank at a town-owned swimming beach, an unused grass patch at a charter school, a gravel lot at a muncicipal parking lot, and private residences.



Key Messages

The Merrimack River Watershed Coalition and Nashua River Watershed Association presented to 12 Massachusetts conservation commissions and at a workshop to the Massachusetts Association of Conservation Commissions.

The Nashua River Watershed Association sent letters to 80 landowners with expiring forest stewardship plans. The letters encouraged landowners to update their plans and offered free technical assistance and planting.



Janus

The Nashua River Watershed Association (NRWA) is working with the Merrimack River Watershed Council (MRWC) on a multi-year partnership project funded by the US Forest Service — "Expanding Riparian Buffers". One of the project's goals is to encourage forest landowners to participate in Massachusetts' Department of Conservation and Recreation (DCR) Forest Stewardship Program. The Forest Stewardship Program (FSP) offers free technical assistance and financial incentives to forest landowners and municipalities, encouraging good

We would like to extend an invitation for you to take advantage of the "Expanding Riparian Buffers" and

MA DCR currently has a <u>cost-share reimbursement</u> program available to landowners with more than 10 acres of forest no matter what part of the state you are in.

• Could you use <u>financial assistance</u> in developing a Forest Stewardship Plan for your property?

• Do you wonder if there is more you can be doing to protect water quality or provide better wildlife habitat?

Would you like to develop your woodland's recreational value, perhaps establish a system of trails?
 Would you like information regarding your woods' income potential?
 Are you interested in an on-the-ground inventory of your forestland?

If you are interested in learning more about the Forest Stewardship Program, please come to a program:

"MA DCR's Working Forest Initiative"

Wednesday February 24th from 7 to 8:30 PM
at the NRWA's office – 592 Main Street, Groton MA

(A snow date is the following evening Thursday Feb. 25th.) We would appreciate your RSVPing to Al Futterman. These cost-share monies are limited and applications are reviewed on a first-come basis each fiscal year. Please find additional information at the state's website www.mass.gov/eea/agencies/dcr/conservation/forestry-and-fire-control/forest-stewardship-program.html and find the cost-share application online at www.mass.gov/eea/docs/dcr/stewardship/forestry/service/cost-share-application-for-stewplan.pdf.

Feel free to contact AI Futterman, NRWA Land Director at 978-448-0299 / alf@NashuaRiverWatershed.org or Mike Downey, MA DCR FSP coordinator at 978-368-0126 ext. 129 / michael.downey@state.ma.us for further assistance or if you have any questions. Thank you for your attention.

Sincerely,

P.S. As part of this same project we are offering free plantings of native shrubs and trees along certain riparian buffer areas (see enclosure for more information and please contact me).