

Forest Carbon Outreach



Steven Roberge
State Extension Forester
UNH Cooperative Extension



Extension
Forestry & Wildlife



Extension

- Caring for New Hampshire's Forests Since 1925!
- Conduct education and service forestry
 - MOU with State Forester and statutory responsibility
- Unique in the nation
- Mission:

UNH Cooperative Extension provides New Hampshire citizens with research-based education and information, enhancing their ability to make informed decisions that strengthen youth, families and communities, sustain natural resources, and improve the economy.

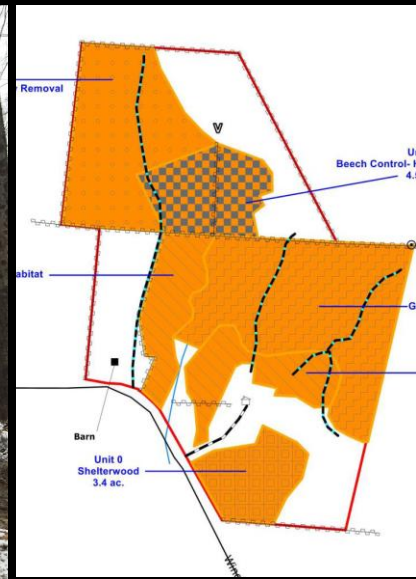
The Forest Stewardship Continuum



Landowners



Education



Planning



Management



Advanced Topics



Northeast Forest Carbon & Climate Partnership

northeastforestcarbon.org



Northeast Forest Carbon
and Climate Partnership

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[Forest Carbon Science](#)

[Forest Carbon Management](#) ▾

[Forest Carbon Markets](#) ▾

[Tools](#) ▾

[Additional Resources](#) ▾

Northeast Forest Carbon and Climate Partnership

The Northeast Forest Carbon and Climate Partnership is a collaborative initiative between the University of Vermont Extension and state forestry agencies across New England and New York. The partnership is supported by funding from the North East State Foresters Association and the USDA Forest Service.

Northeast Forest Carbon & Climate Partnership

northeastforestcarbon.org

Webinars

- Forest Carbon and Climate Adaptation Webinar Specifically for Forest Landowners
- The Science of Forest Carbon
- The Science of Forest Carbon Management
- Forest Carbon Markets Overview and NRCS Forest Carbon Opportunities
- Forest Carbon Project Developers



Northeast Forest Carbon & Climate Partnership

northeastforestcarbon.org

Local Contacts

- **Partnership lead** – Alexandra (Ali) Kosiba, Vermont Extension Forester, Alexandra.Kosiba@uvm.edu
- **CT** – Andrea Urbano, Service Forester, CT Dept. of Energy and Environmental Protection – Andrea.Urbano@ct.gov
- **ME** – Andy Whitman, Climate/Carbon Specialist, Maine Forest Service – andrew.whitman@maine.gov
- **MA** – Christina McKeown, MA DCR Climate Forester – Christina.McKeown2@mass.gov
- **NH** – Steve Roberge, Natural Resources State Extension Specialist, UNH Cooperative Extension – steven.roberge@unh.edu
- **NY** – Molly Hassett, Climate Forestry and Carbon Section Leader, NY DEC, Division of Lands and Forests – Molly.Hassett@dec.ny.gov
- **RI** – Nancy Stairs, Cooperative Forestry Program Supervisor, RI Dept of Environmental Management, Div. of Forest Environment – Nancy.Stairs@dem.ri.gov
- **VT** – Al Freeman, Vermont Climate Forester, VT Dept. of Forests, Parks and Recreation – Al.Freeman@vermont.gov

Simple Basal Area to Tons of Carbon Estimator from the Massachusetts Dept. of Conservation and Recreation

With thanks to William Van Doren, biometrician of the Massachusetts Dept. of Conservation and Recreation, this new carbon estimating tool does so using data from the USDA Forest Service Forest Inventory and Analysis along with the selection of the ecological region subsection in which the forest stand you wish to estimate forest carbon for resides. Follow the steps below to estimate carbon in above and below ground live tree biomass in trees 1" or more in diameter. The result is in metric tons (1 short ton (2,000 lbs) = .9072 metric tons).

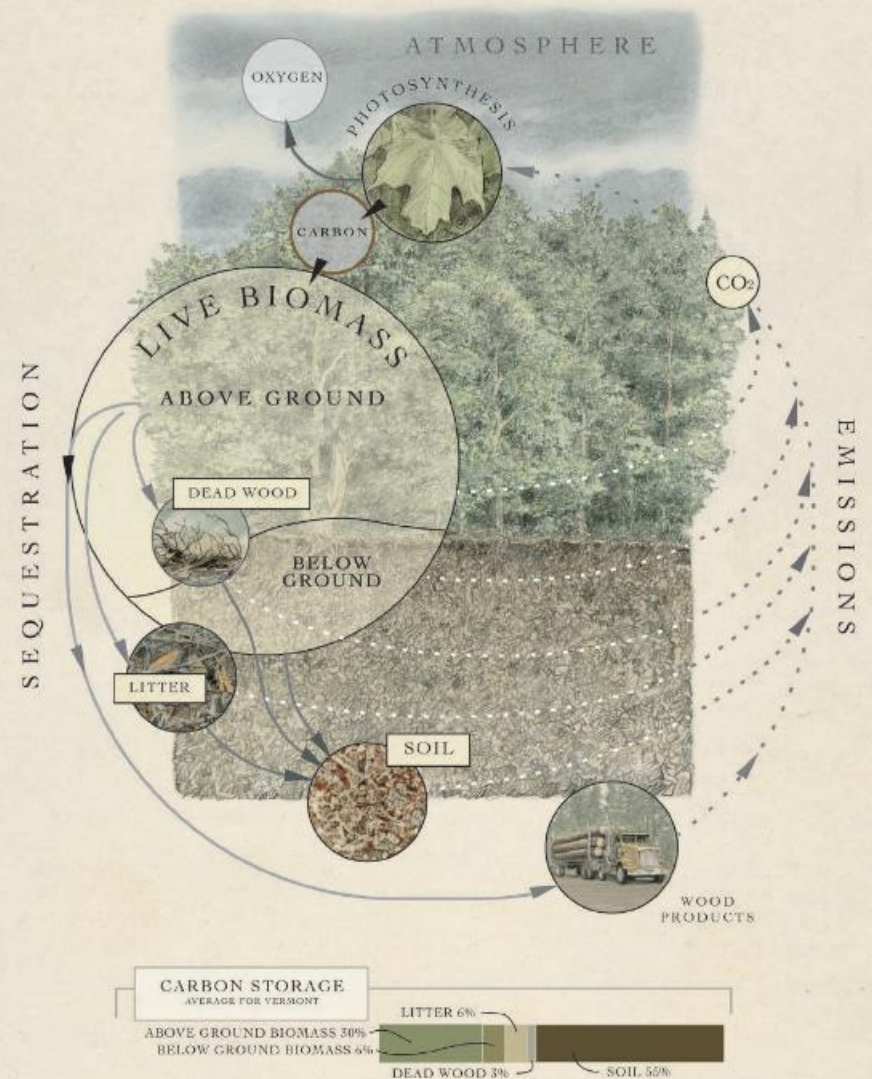
Step 1 - Choose your ecoregion subsection (the numeric/alpha code) from the map below (or click [HERE](#) for a PDF that you can enlarge):



A Guide to Forest Carbon in the Northeast

Forest Carbon 101 | Soil Carbon | Forestry Guide | Carbon Payments

FOREST CARBON CYCLE





FOREST CARBON

An essential natural solution for climate change

UMassAmherst

PAUL CATANZARO



The University of Vermont

ANTHONY D'AMATO

Increasing Forest Resiliency for an Uncertain Future



Paul Catanzaro | Anthony D'Amato | Emily Silver Huff



RESTORING OLD-GROWTH CHARACTERISTICS

to New England's and New York's Forests



The University of Vermont

ANTHONY D'AMATO

UMassAmherst

PAUL CATANZARO



<https://extension.unh.edu/northeast-silviculture-institute-foresters>

Forest Carbon Estimation

Sampling, models, and
measurement considerations

Bill VanDoren



Climate Adaptation and Forest Carbon

12 videos, 09 hr 21 min

- 2 56:04 Forest Carbon Estimation Bill VanDoren
- 3 01:02:13 Management Options and Techniques for Forest Carbon Ali Kosiba
- 4 26:59 Role of Durable Wood Products Dr. Matt Russell
- 5 29:00 NIACS Framework Intro, Samantha Myers
- 6 01:05:03 Climate Adaptation/Forest Resiliency and Management Trade-offs, Dr. Tony Amato
- 7 01:03:51 Carbon Markets and Pay for Climate Smart Practice, Steve Roberge

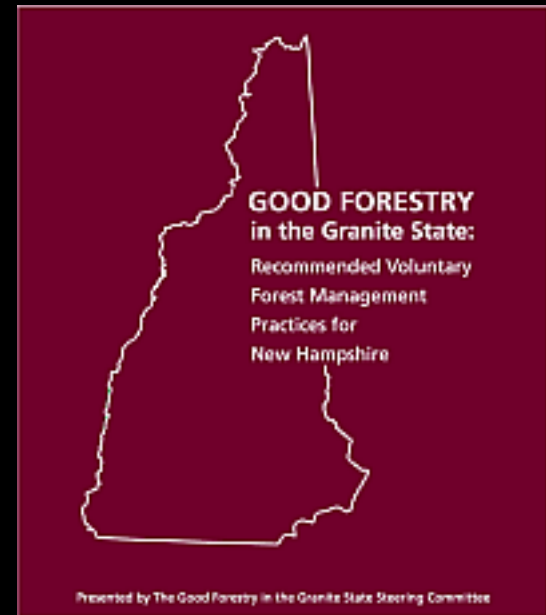
Good Forestry in the Granite State - 3rd Edition Revision



CLIMATE AND FORESTS

TOPICS IN THIS SECTION

- 8.1 Effects of Climate Change on Forests
- 8.2 Forest Carbon
- 8.3 Managing for Forest Resilience
- 8.4 Forest Carbon Markets



NATURAL RESOURCES

Forests & Trees

[Directory of Licensed Foresters](#)[Forest Industry](#)[Invasive Species](#)[Trees](#)[Woodlot Management](#)[Wildlife](#)[Community Action](#)[Water & Wetlands](#)[Conservation & Climate](#)

Forests & Trees



Caring for New Hampshire Forests since 1925

We help citizens, landowners, communities and natural resources professionals learn about and care for New Hampshire forests, trees, wildlife and habitats.

Extension County Foresters

We visit your property (approximately 10 acres or more) for free, and help you achieve your goals for your property including forestry, recreation, wildlife habitat, water resources, scenic beauty, and more. We assist landowners, communities, and natural resource professionals.

[CONTACT US](#)

Directory of Licensed Foresters

An online database of foresters licensed in New Hampshire who provide services to private landowners and others.

[VISIT DIRECTORY](#)[Nhwoods.org](https://nhwoods.org)

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steven.roberge@unh.edu



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