Sustaining and Restoring a Connected Forested Landscape for Nature and People

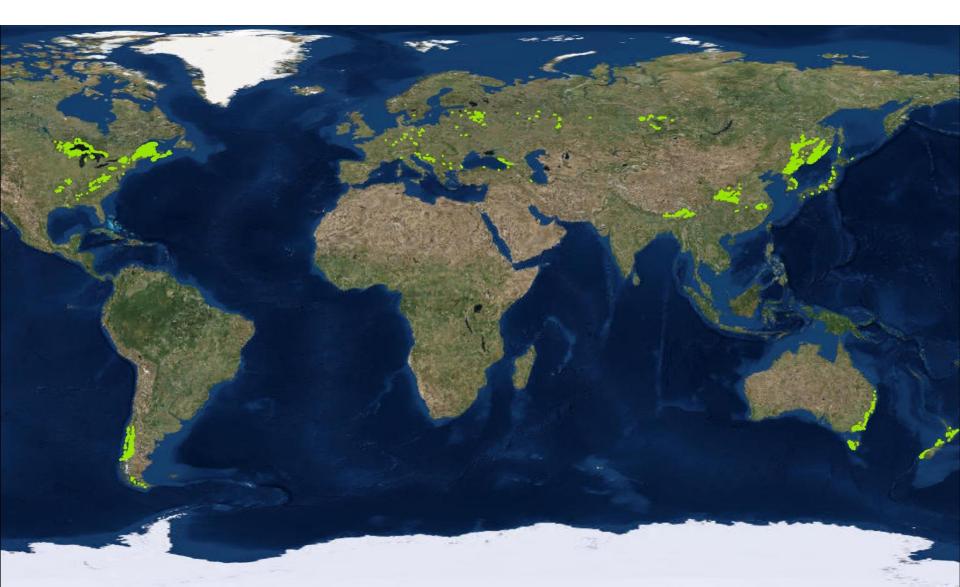




RCP Network Gathering November 16, 2017

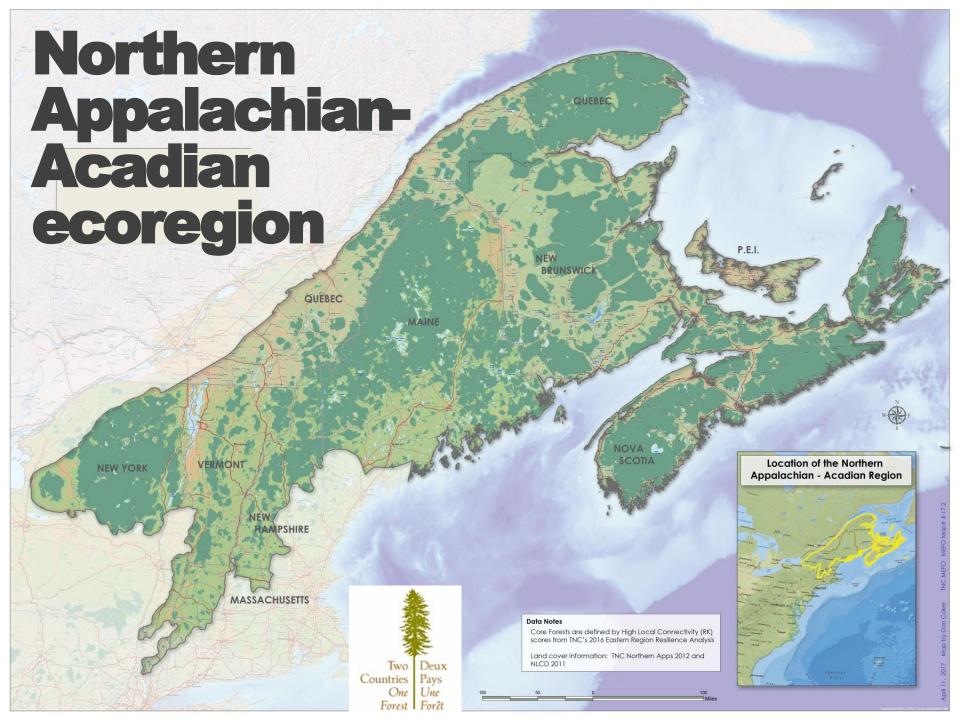
Jessie Levine Laura Marx Bridget Butler Phil Huffman

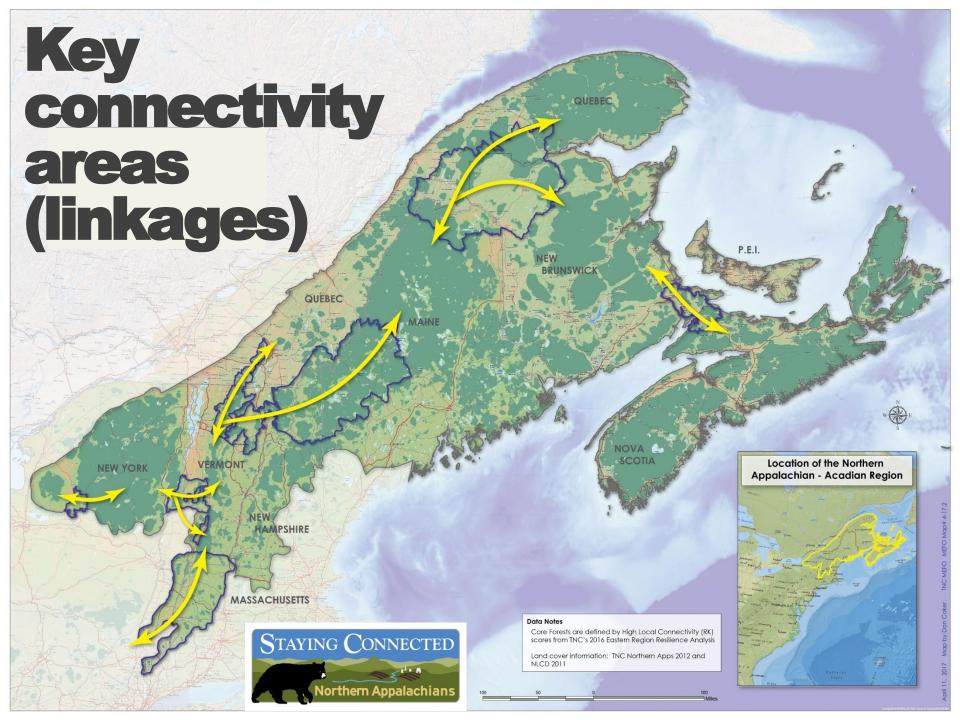
Temperate deciduous and mixed forests

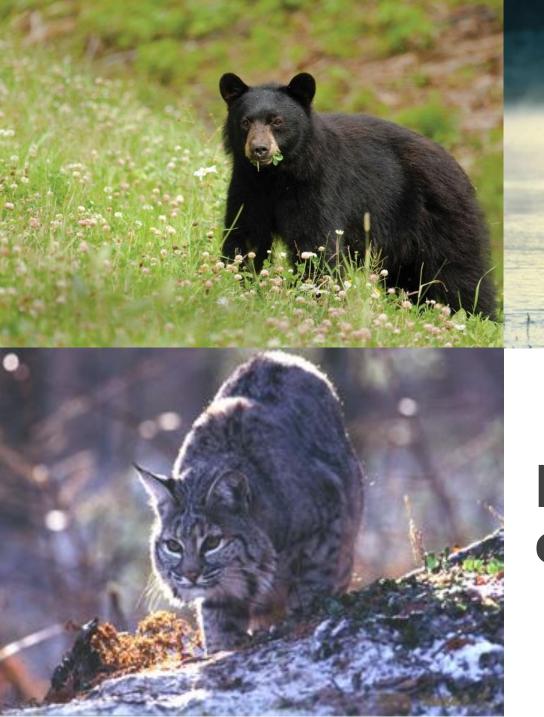


Northern Appalachian-Acadian ecoregion





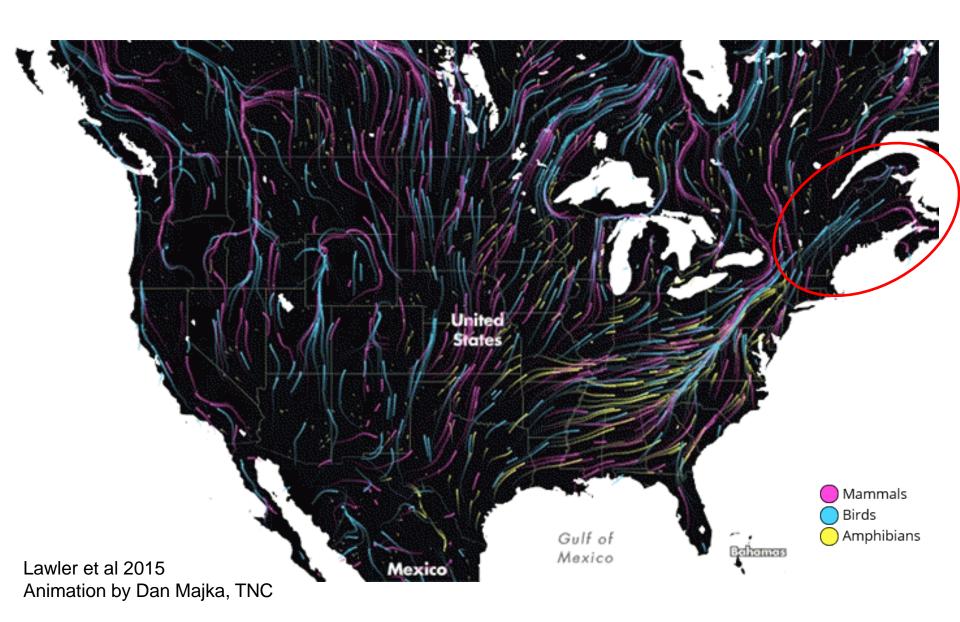






Landscape connectivity

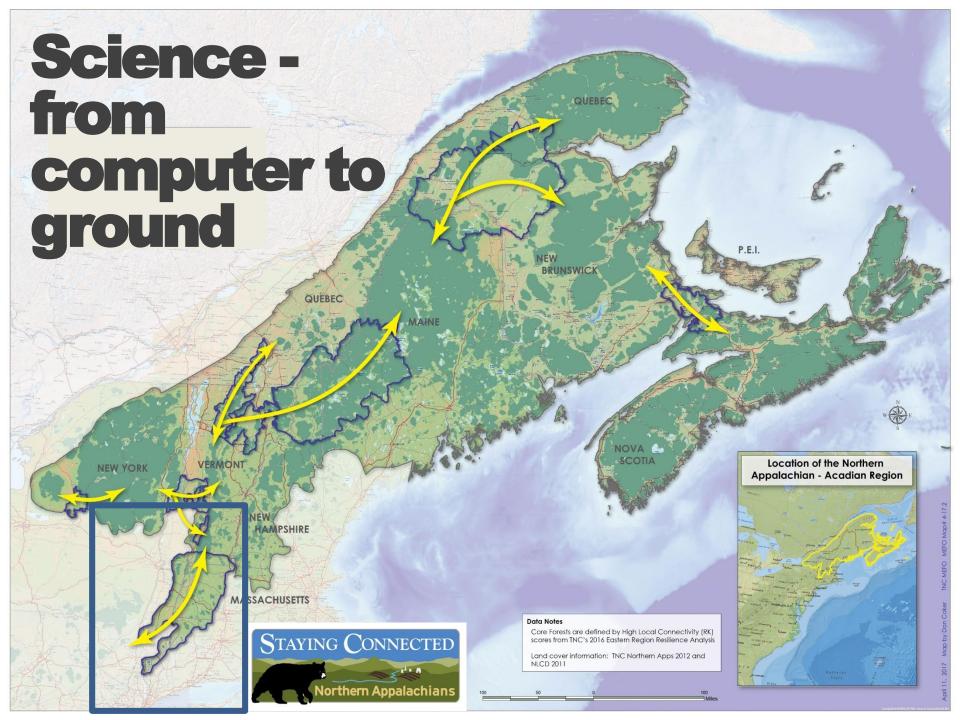
Connectivity and climate







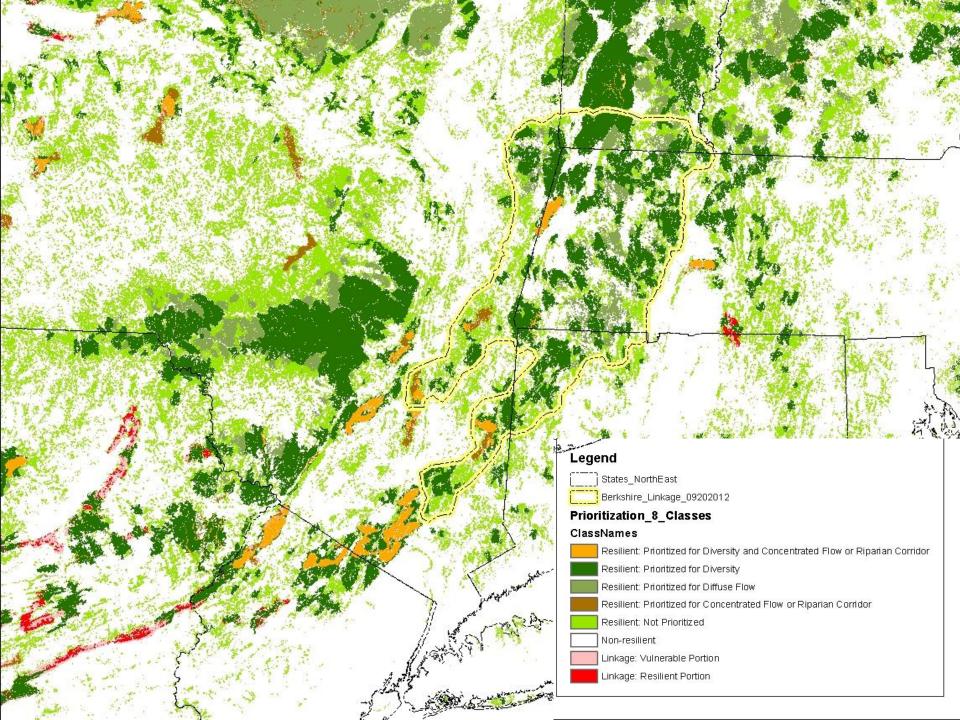


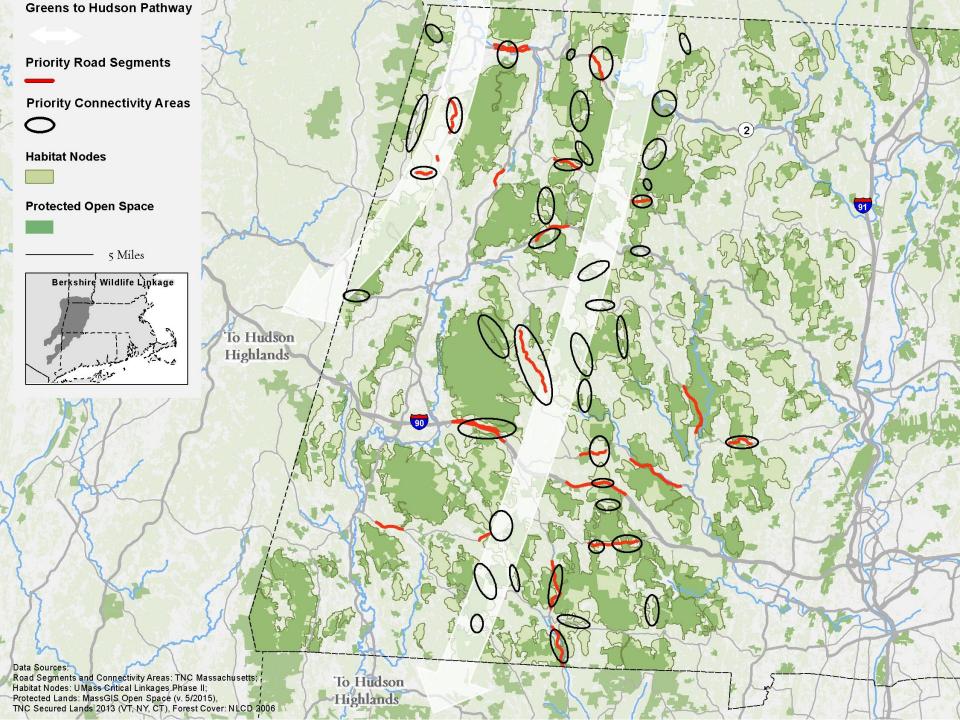


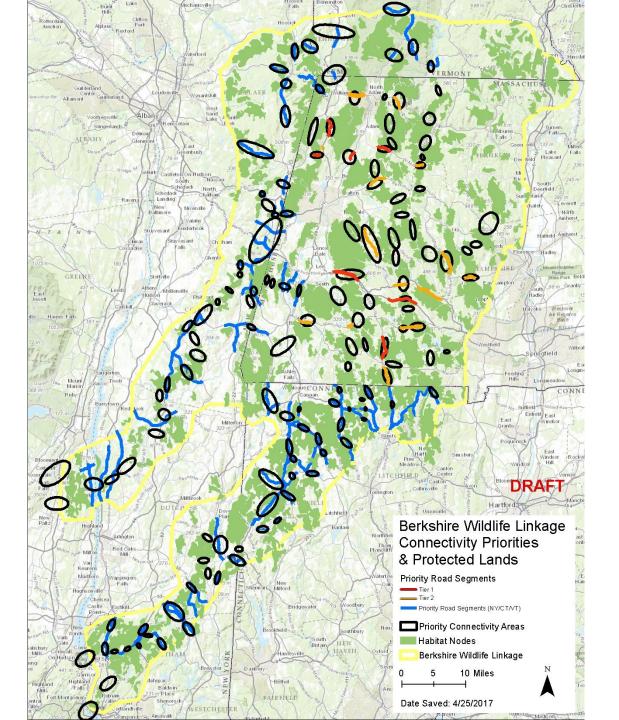


Nagasaki BioPark



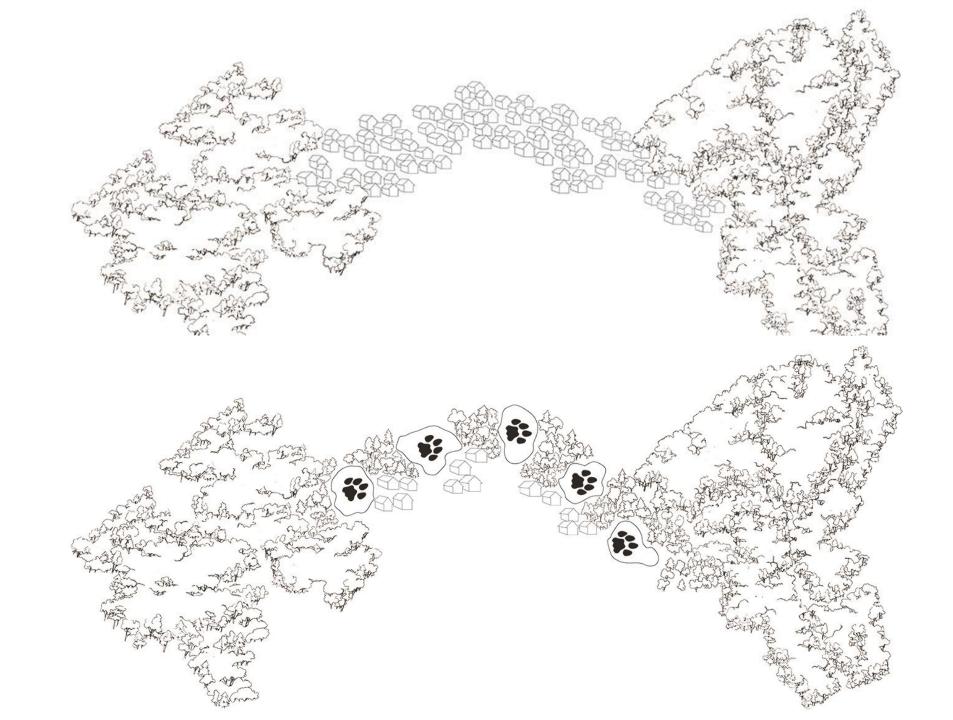




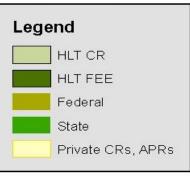




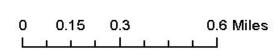








Cook land Conservation Context











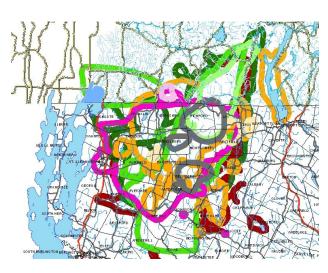
Land Use Planning for Connectivity

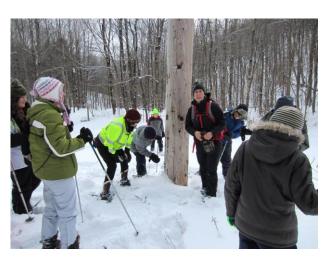




Technical Assistance & Community Engagement – creating / affirming a shared vision

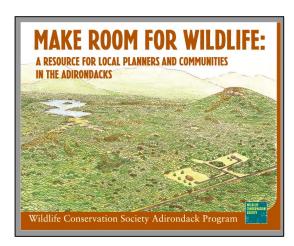


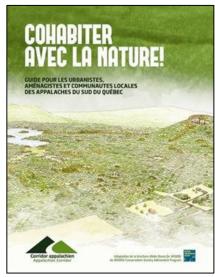


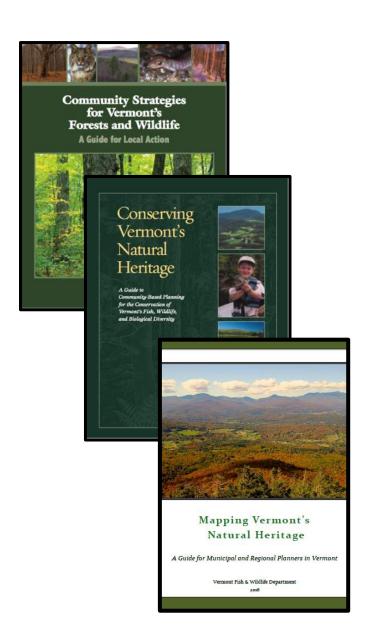




Sharing Resources and Best Practices

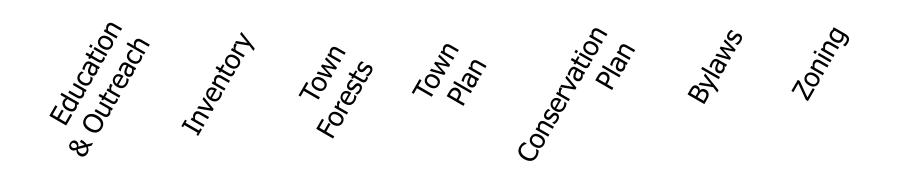






Many Ways of Moving Forward

Range of options



Non-regulatory

Regulatory

No one tool is right for every community

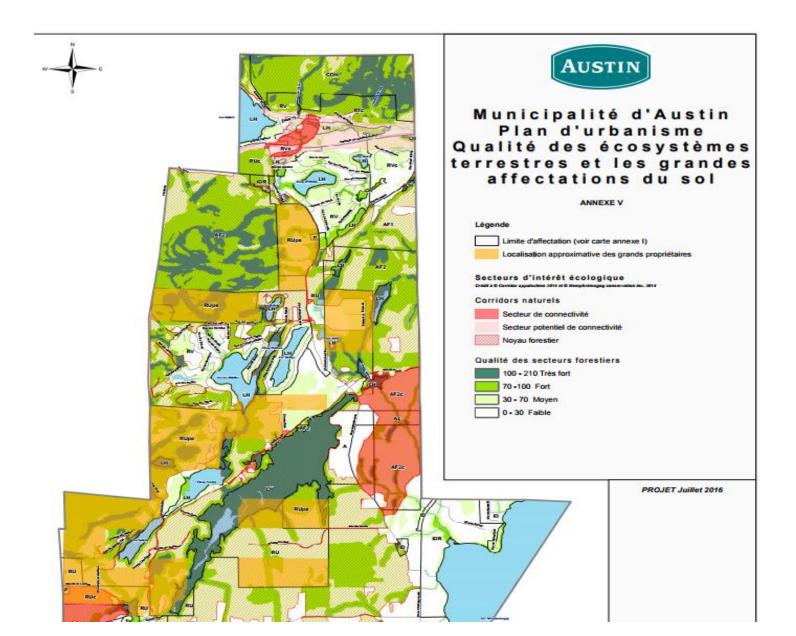
Enosburg, VT

Zoning Changes – 2013

- Goal: prevent fragmentation
- Approach:
 - > Add clear, defensible definitions of what terms like "wildlife habitat" mean
 - Expand natural resources overlay district to include areas of connectivity mapped by VT Fish and Wildlife Dept
 - ➤ Require conditional review for developments on 50 acres or more in the agricultural district
 - ➤ Limit length of new roads
 - > Strengthen conservation district uses



Austin, QC









The Cold Hollow Woodlots Program

ENGAGING LANDOWNERS IN LANDSCAPE LEVEL STEWARDSHIP

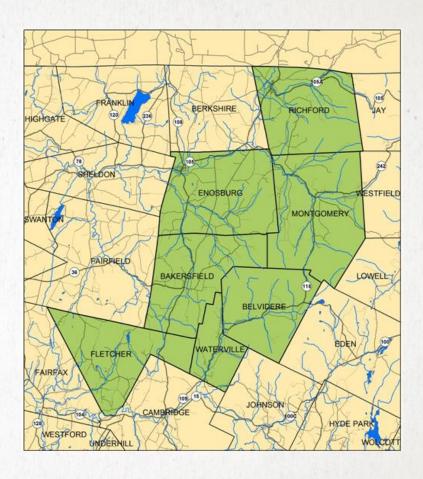
www.coldhollowtocanada.org



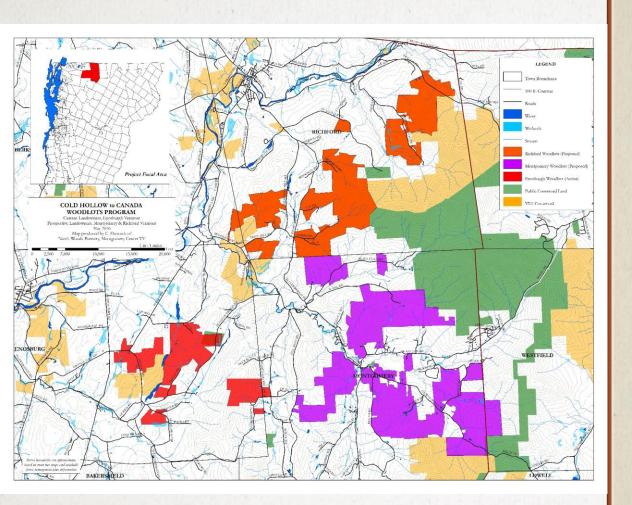
State Agencies
Vermont Land Trust
The Nature Conservancy
Staying Connected Initiative
Two Countries, One Forest
Regional Conservation
Partnerships

Cold Hollow to Canada

Towns
Conservation Commissions
Landowners
General Public



www.coldhollowtocanada.org





WHAT IS A WOODLOTS GROUP?

- High priority habitat blocks
- Contiguous Properties
- 50 acres or more







ONE LOVE: WORKING TOGETHER

- Quarterly Gathering
- Potluck Meal Together
- Bring In Experts
- Walking A Neighbor's Property

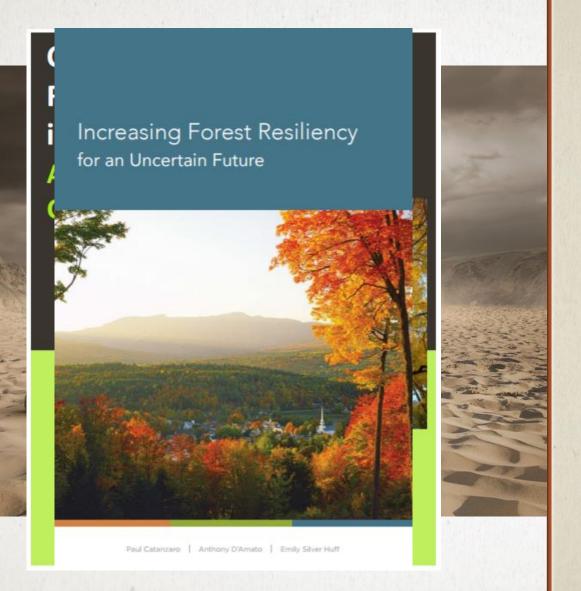




PARTNER PROGRAM STRENGTHS

- Roughly half of Vermont's birds will see their ranges shift or contract by 50% or more
- Silviculture with Birds in Mind by Audubon Vermont
- Member parcels undergo a bird habitat assessment by Audubon Vermont







CLIMATE CHANGE ADAPTATION & RESILIENCY

Take a big, scary thing & break it down into collective action.





MONITORING & FOLLOW UP

- By design, Woodlots Groups are demonstration sites
- Through plan implementation; forest inventories & invasive monitoring
- Exploring opportunities to engage landowners as citizen scientist/monitors

THE COLD HOLLOW WOODLOTS MODEL





We believe the CHC Woodlots
Program is a solutions based model
for engaging an increasing number of
individual and family forest owners in
forest management practices.

2,000 Acres

500 Acres Conserved Leveraging Resources

\$640K RCPP

\$105K Conservation Fund

\$50K LSR

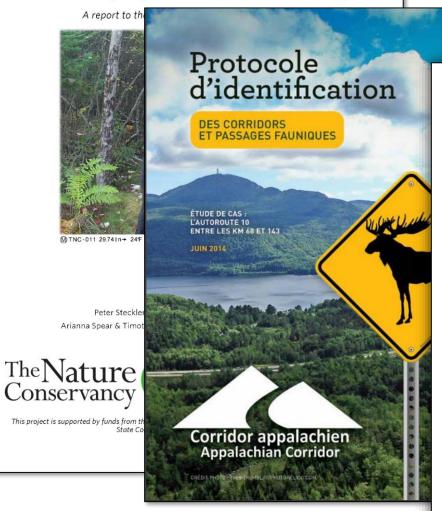
www.coldhollowtocanada.org







Camera Trapping to Advance Wildlife Connectivity Implementation in Coos County, NH



Reducing Wildlife Mortality on Roads in Vermont:
Documenting Wildlife Movement near Bridges and Culverts
to Improve Related Conservation Investments

September 30, 2016

















Colloque sur l'écologie routière et l'adaptation aux changements climatiques : de la recherche aux actions concrètes







Private lands protected by conservation easement

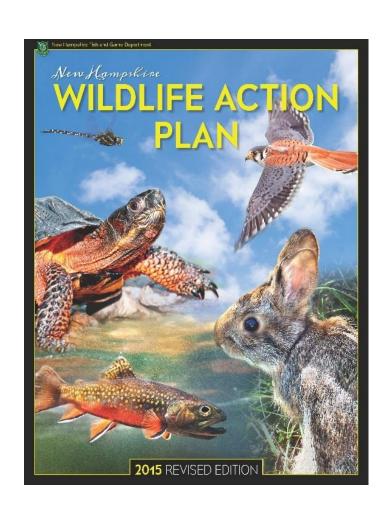
Culvert wildlife shelf installation by NYS DOT

Wildlife camera monitoring by The Nature Conservancy

Busy road

Institutionalizing Connectivity Conservation Through Sound Policy STAYING CONNECTED **Phil Huffman** The Nature Conservancy in Vermont Northern Appalachians

State-Level Action





Regional Action

New England Governors &

Eastern Canadian Premiers





40th Annual Conference of New England Governors and Eastern Canadian Premiers - Boston Massachusetts 2016 40e Conférence annuelle des gouverneurs de la Nouvelle-Angleterre et des premiers ministres de l'Est du Canada

RESOLUTION 40-3

RESOLUTION ON ECOLOGICAL CONNECTIVITY, ADAPTATION TO CLIMATE CHANGE, AND BIODIVERSITY CONSERVATION

WHEREAS, the New England Governors and Eastern Canadian Premiers have shown international leadership through their collective action to address environmental protection and climate change, especially through work to expand use and production of renewable energy and other efforts to reduce greenhouse gas emissions; and

WHEREAS, the region's economy, culture, and identity are closely tied to and dependent upon its forests and water resources; and

WHEREAS, the region's cities and towns, infrastructure, and natural ecosystems are vulnerable to adverse impacts from climate change. Jurisdictions region-wide are taking steps to adapt to a changing climate, by making communities, infrastructure, and public investments more resilient; and

WHEREAS, the New England Governors and Eastern Canadian Premiers recognize the inherent connection between the region's forested landscape and its forest products economy, and the important role that private forest landowners play in the health and condition of its forests; and

WHEREAS, the Northern Appalachian-Acadian forest is globally significant as the most intact, contiguous temperate broadleaf forest in the world. The Northeastern coastal forest, including the coastal plain, and the Gulf of Saint Lawrence lowland forest provide a vital link for neotropical migrants of global significance. Boreal forests are globally important for millions of resident and migratory birds, including songbirds which depend on Boreal forests during different stages of their lifecycles. Together, these forests span portions of all six New England states and five eastern Canadian provinces. Global climate change is a prominent threat to the long-term health of these vital ecosystems. The spread of invasive species and wildlife disease, often exacerbated by global climate change, is another key threat; and

WHEREAS, Indigenous people historically have a strong connection to the land, and in the present day continue to recognize the traditional importance of a healthy environment to the social well-being and economic prosperity for future generations; and

WHEREAS, maintaining and restoring ecological connectivity is an important strategy for boosting the resilience of the region's native ecosystems and biodiversity, as well as its economy and human communities. Connected habitats provide the natural pathways necessary for fish, wildlife, and plants to move to meet their life needs and to find suitable habitat as climate conditions change. Intact

Resolution online at: coneg.org/negecp



