Forest Integrity

Tools and Resources for Complying with Act 171

Presented by Clare Rock, Senior Planner June 8, 2021



Act 171:

Amended Vermont Planning Statutes

To encourage and allow municipalities to address protection of forest blocks and habitat connectors

While also supporting the local forest products industry

Went into effect Jan 1, 2018

Why?

Vermont is experiencing overall loss of forest cover

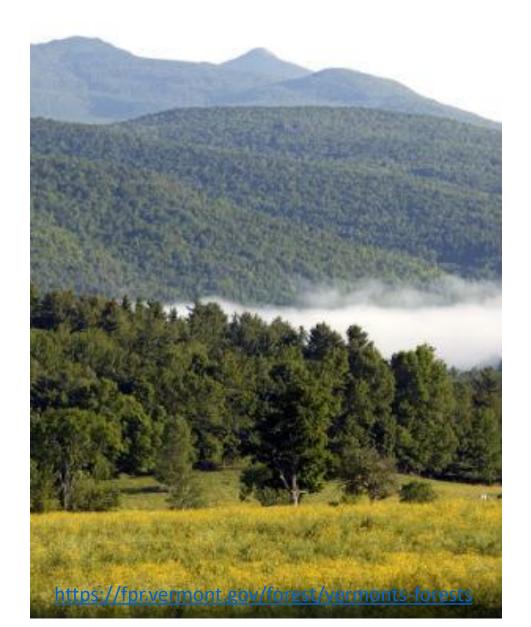
Its happening incrementally

Threatens the forest's ecological health, function, and value

Practicing forestry becomes operationally impractical, economically nonviable, and culturally unacceptable Loose of the corresponding and significant contributions that forestry makes to our own economy and culture

ANR Act 171 Guidance Documents:

https://anr.vermont.gov/sites/anr/files/co/planning/documents/guidance/Act171Guidance.pdf



Benefits:

Forest Products Economy
Tourism / Recreation
Flood Protection
Clean Water Supply
Clean Air
Wildlife Habitat
Biological Diversity
Climate Change Mitigation
Public Health
Cultural Heritage



VNRC Report:

Tracking Parcelization Over Time: Updating the Vermont Database to Inform Planning and Policy, Phase III Report

"According to the U.S. Forest Service, Vermont may have lost 102,000 acres of forestland from 2012 to 2017."

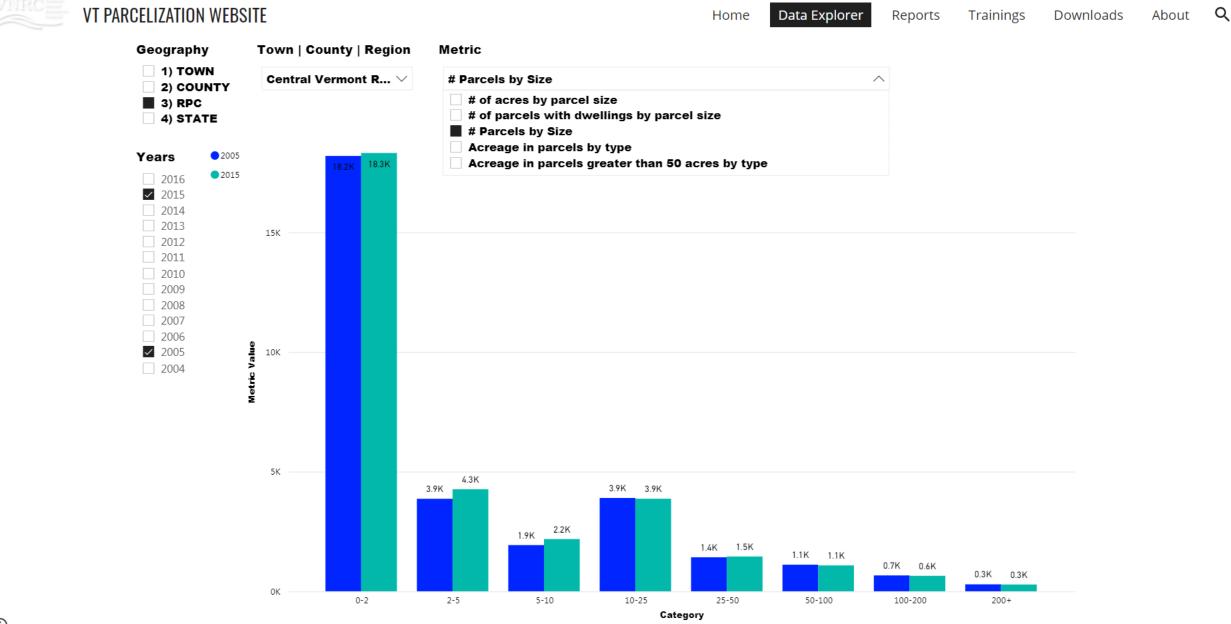
(some of the) Key Findings

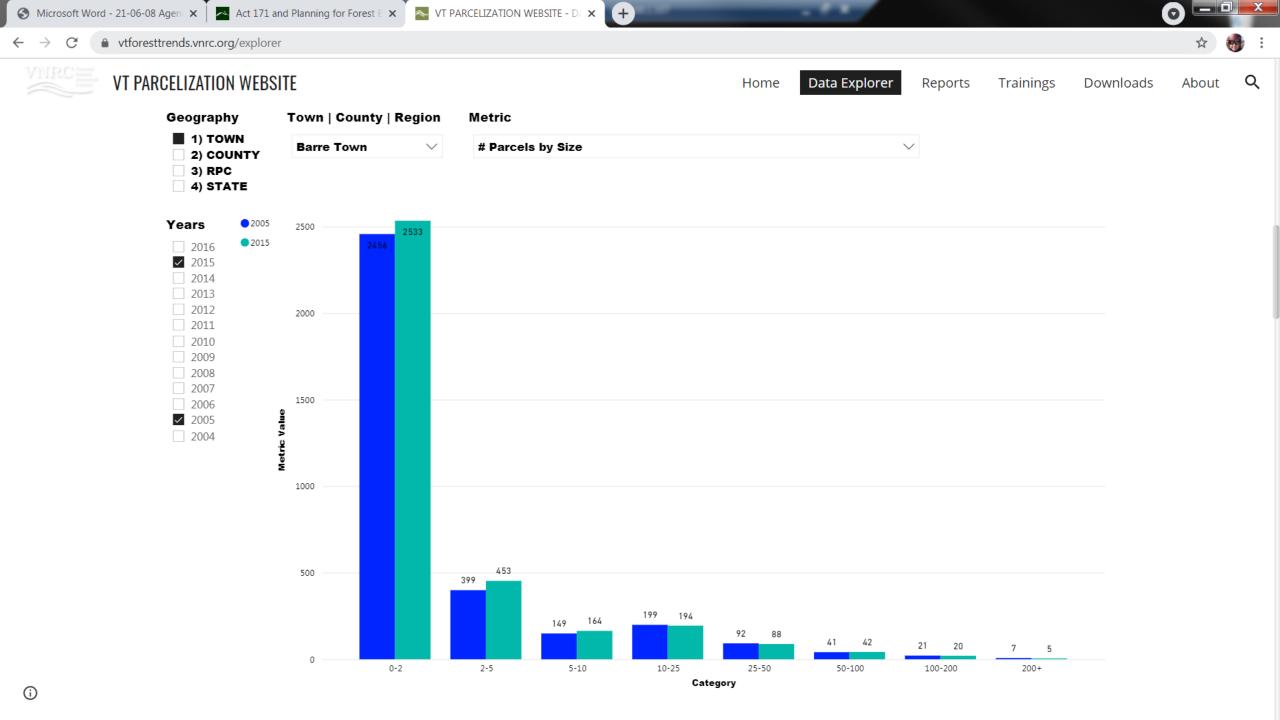
- The amount of land in larger parcels is shrinking, while the amount of land in smaller parcels is increasing.
- The number of acres in the "residential" category is increasing, while "farm" and "woodland" acreage is decreasing, with "woodland" parcel acreage decreasing the fastest.
- Parcels less than 50 acres in size with dwellings increased by 8.8% over the study period. More specifically, the number of parcels with dwellings in the 2-5 and 5-10 acre size categories increased by 15.3% and 22.8%, respectively.
- The Use Value Appraisal (UVA) Program is playing a role in protecting large woodland parcels.

38% of the land in Washington
County is enrolled in Current
Use for forested parcels.
This is a higher than state
percentage and higher amounts
in Addison, Chittenden and
Rutland Counties

- CVRPC data

https://vtforesttrends.vnrc.org/home



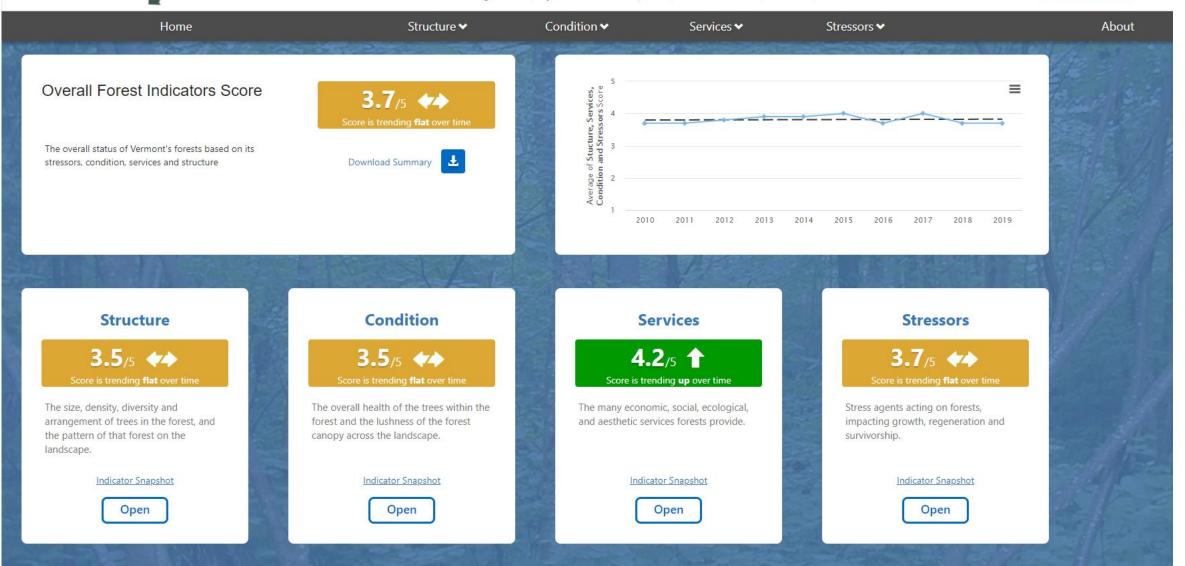




Vermont Forest Indicators Dashboard



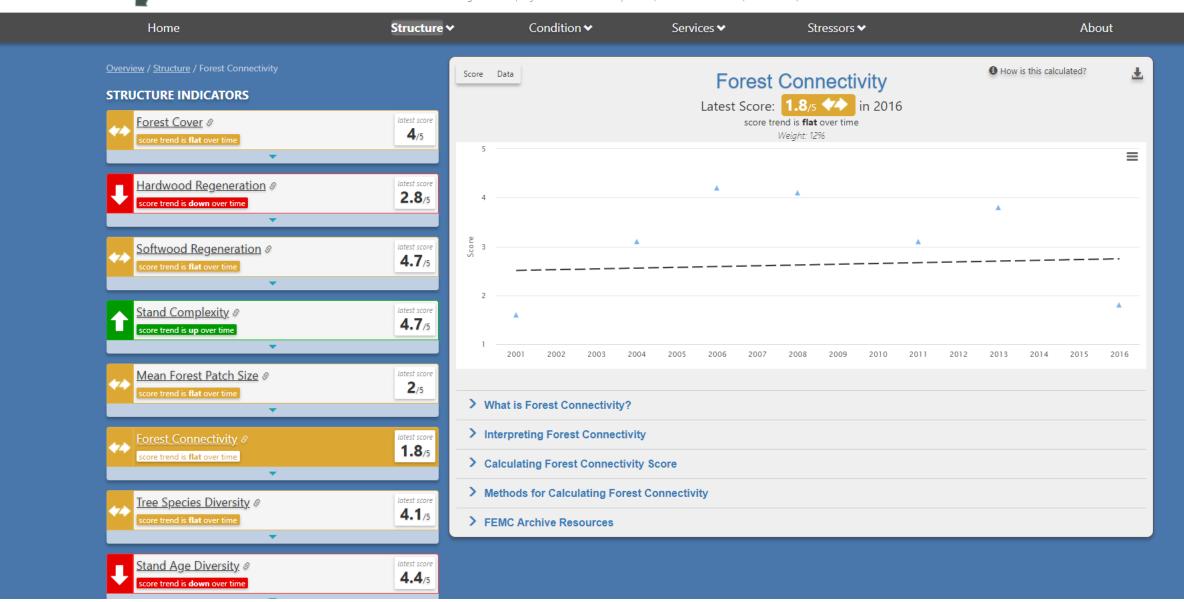
Combining dozens of key datasets into a snapshot of the overall status of Vermont's forests

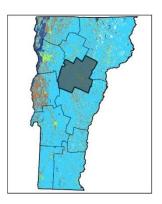


Vermont Forest Indicators Dashboard

FEAC
Forest Ecosystem Monitoring Cooperative

Combining dozens of key datasets into a snapshot of the overall status of Vermont's forests





Drivers of Conversion

Rank 1

3

4

Driver

Dist. Urban

Dist. Major Road

Elevation

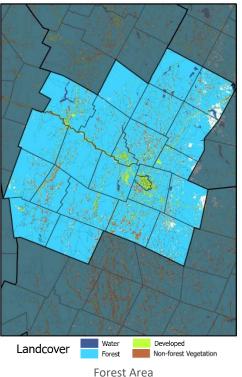
Dist. Interstate Dist. Developed LC The CV RPC has been losing approximately 1% of its forest cover to development each

decade.

Central Vermont Regional Planning Commission

The Central Vermont Regional Planning Commission experienced relatively high rates of forest loss in the 1985-2000 period but slowed significantly in the 2000-2015 economic slump. While its locations of highest conversion risk are centered around Montpelier and Waterbury, continued fragmentation of high priority forest connectivity blocks highlight other areas that may be a priority for planning efforts..

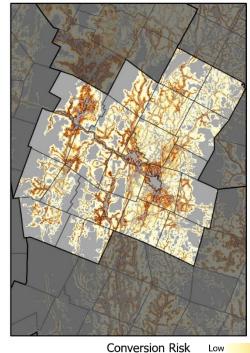
Forest Cover (2015)



-4.2%

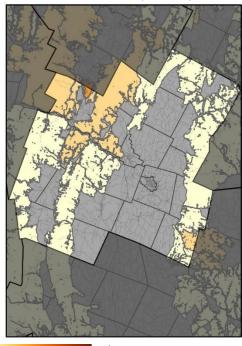
2000 2015 2030 2045

Probability of Conversion (2030)



Forests (2030)

Risks to High Priority



By 2045, over 4% of additional forest cover is projected to be lost from 2015 baselines, with only a 1% decrease in high-quality forest

connectivity blocks.

Forest in Connectivity Blocks 100,000 95,000 590,000 1985 2000 2015 2030 2045

Percent Forest Converted to Developed 1985-2000 2000-2015

190,000

<u>9</u>80,000

₫70,000

1985

Areas at highest risk are closest to urban centers, major roads and the instate, as well as lower elevation locations.

2.8% 0.4%

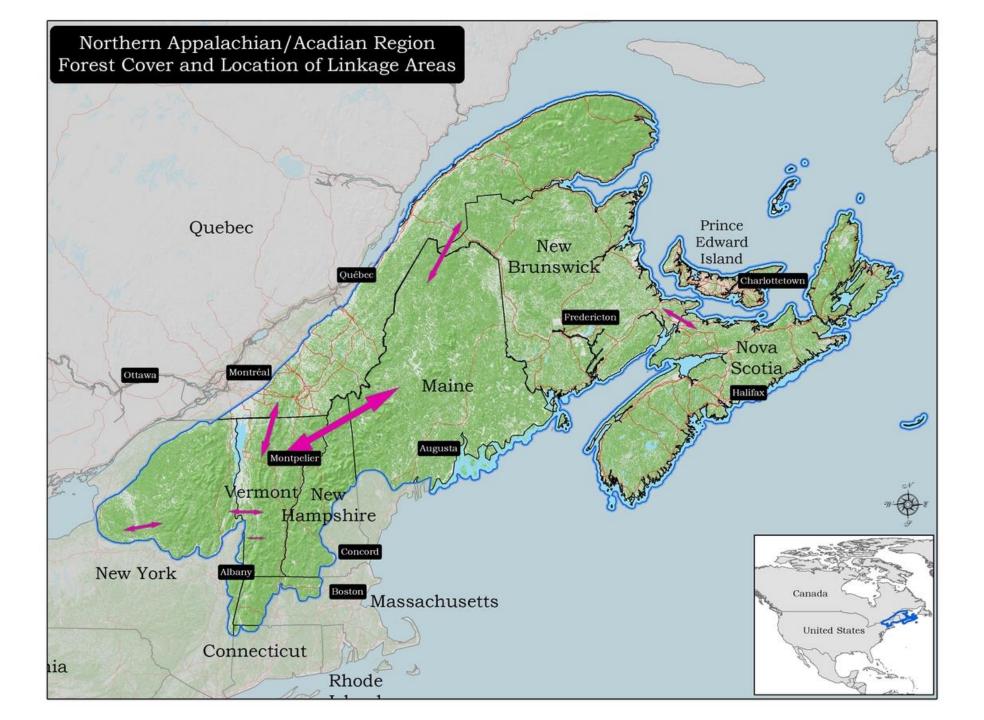


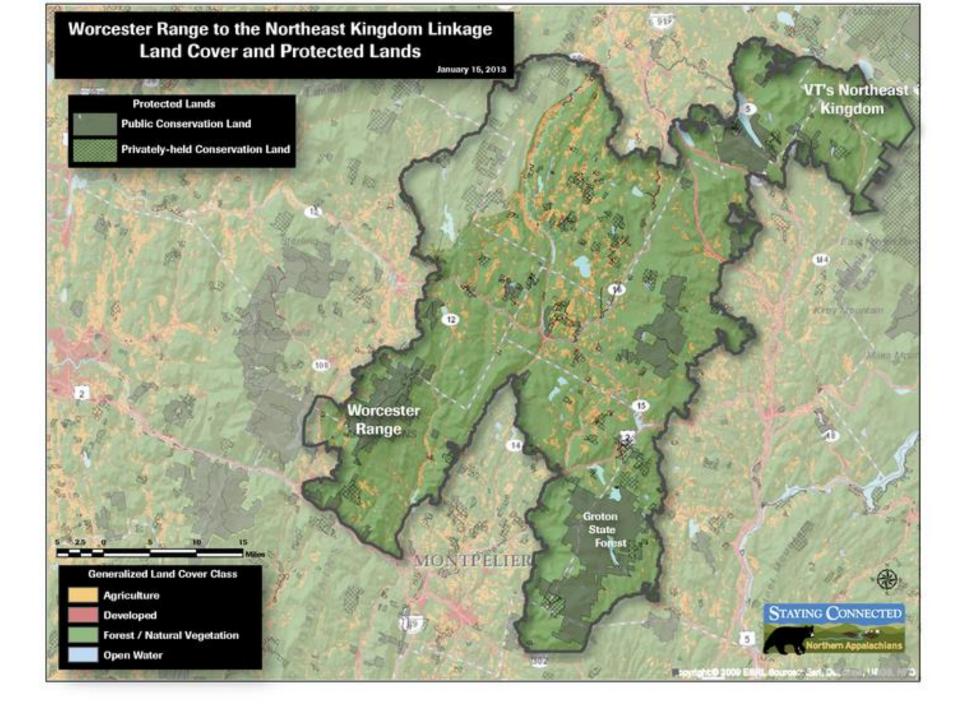
People

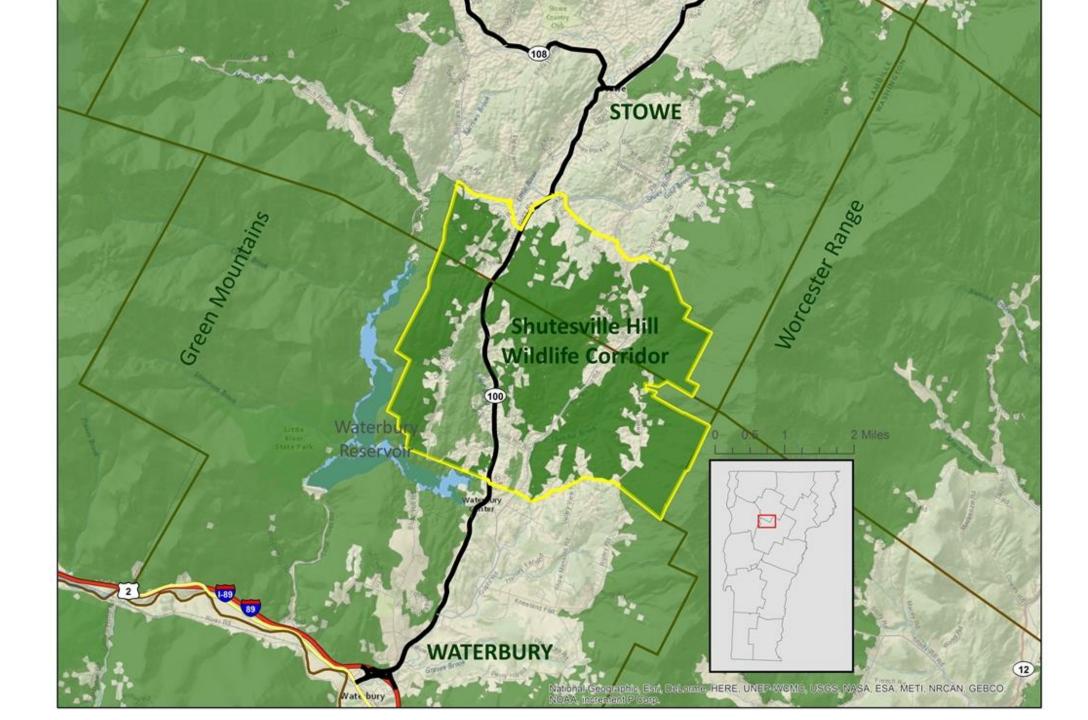
Habitat

For the well-being of wildlife and human communities, connections matter.

http://stayingconnectedinitiative.org/about/







SEARCH

CONTACT

Implementing Act 171: Land Use
Planning to Address Forest
Fragmentation. Presented by
Jens Hilke (VT Fish & Wildlife),
Clare Rock (CVRPC)
Jamey Fidel (VNRC)
March 2018

https://www.youtube.com/watch? v=Nwe98OS33tQ STATE OF VERMONT

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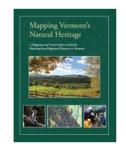
Emergency information regarding COVID-19

MAPPING VERMONT'S NATURAL HERITAGE

<u>Map</u> << <u>Using BioFinder</u> << <u>Interpreting Results</u> << <u>Creating BioFinder & VT Conservation Design</u>



Vermont Fish and Wildlife Department is pleased to share Mapping



Vermont's Natural Heritage, a guide for municipal and regional planners. This guide supplements the work of the Department's Community Wildlife Program, which offers technical assistance and support to communities seeking conservation strategies for Vermont's species, habitats, and the networks of land and water that support our natural resources. Because every community has a different set of resources to work with, and because the goals and values of every community require a different set of solutions, this guide was created to empower communities with the information and resources necessary to find conservation strategies that work for them.

If you would like a hard copy of the guide, please contact <u>jens.hilke@vermont.gov</u>. You can also <u>download the</u> entire guide here, or see one chapter at a time with the links below.

The guide starts with an Introduction and is accompanied by a seven map set that has been compiled for every town in Vermont. Create these maps on <u>BioFinder</u>, or you can download pdfs formatted for each town in Vermont below.

BioFinder
Vermont Agency of Natural Resources

https://anr.vermont.gov/node/986

Adopted post Jan. 1 2018:

Barre City

Barre Town

Berlin

Duxbury

East Montpelier

Fayston

Marshfield

Middlesex

Northfield

Orange

Plainfield

Warren

Waterbury

Soon to be adopted:

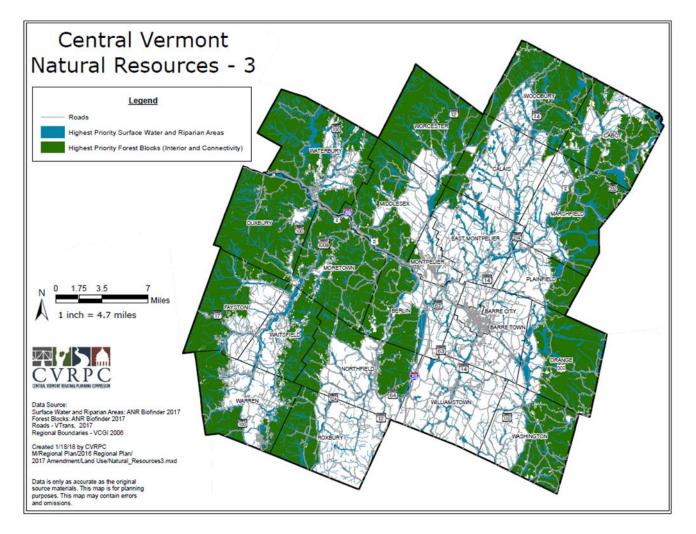
Roxbury

Waitsfield

Washington

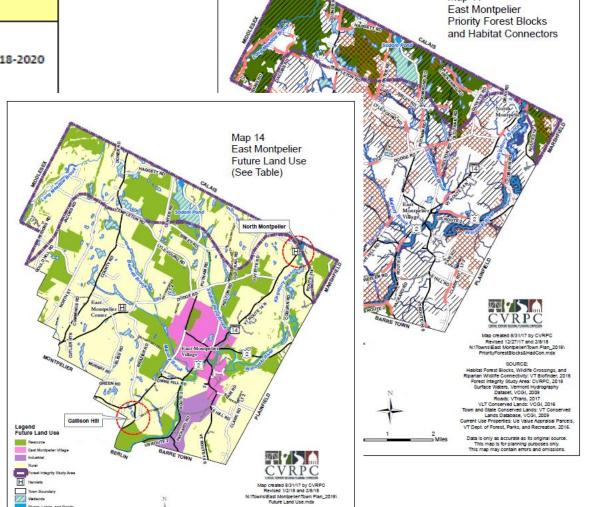
Woodbury

Worcester



Incorporated into 2018 Regional Plan update

>	Goal 9.7: Protect forest integrity.					
	√	Action 9.7.1: Review and update Land Use and Development Regulations to promote protection of priority forest blocks and riparian wildlife connectivity.	High	PC, SB	Municipal Planning Grant	201
	√	Action 9.7.2: Evaluate and implement non-regulatory approaches to promote forest integrity.	High	PC, SB		20
>	Goal 9.8: Ensure that existing forest areas are managed for long-term sustainability.					
	√	Action 9.8.1: Work with landowners and conservation partners to conserve the town's most valued forestland.	Moderate	PC, TA, SB		0
	√	Action 9.8.2: Provide workshops on stewardship and management of forest lands.	Moderate	SB, TW, VT Woodlands Assoc.		201



SCURCE:
Rods: VTrane, 2017
Village Boundary, CVRPC, 2017
Future Land Use: CVRPC, 2013, Village portion
based on Village Boundary, CVRPC, 2017
Foreset Integrity Study Area, CVRPC, 2018

Data is only as accurate as its original source. This map is for planning purposes only. This map may contain errors and omissions.

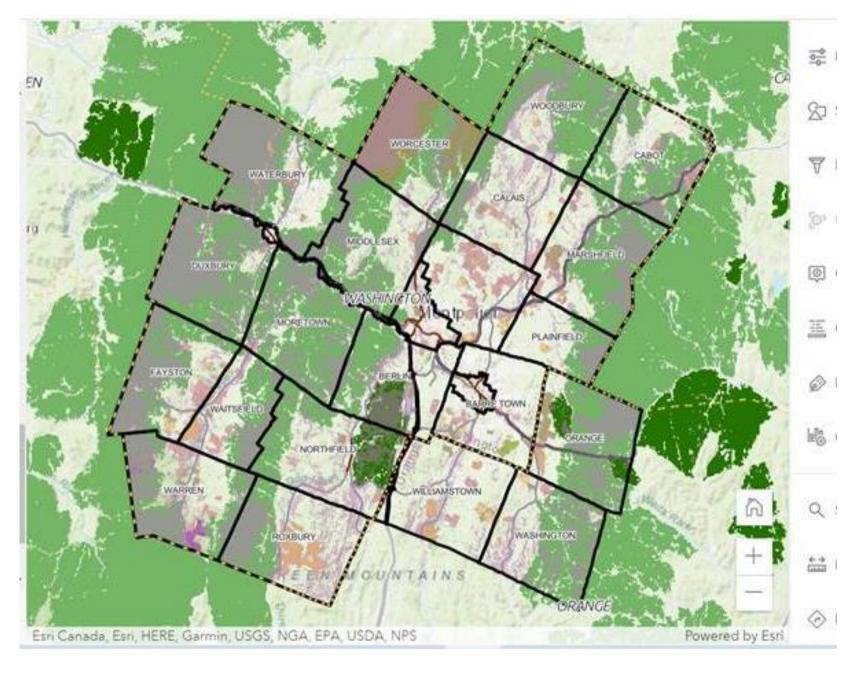
Roads

Paved
Gravel

Class 4f.egsl Trail

O Possible Growth Areas

Map 11



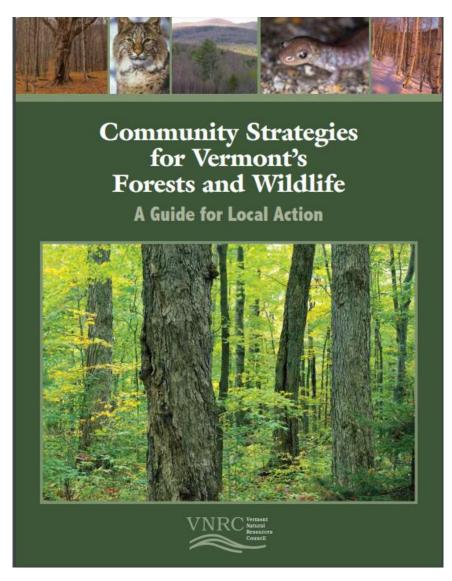
Regional Analysis:

- BioFinder Data
- Municipally identified forest blocks
- Municipal Future Land Use Districts
- FEMC info

To:

- Identify regional progress
- Inform regional plan update

Put your Plan into Action!



... also supporting the local forest products industry

supporting the forest products economy

Identifying municipal actions for supporting forest products economy

Sept 30, 2020 CVRPC P&Z Présentation

Look for the update coming soon!

Resources:

https://anr.vermont.gov/Planning/Forest Blocks And Habitat Connectors

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Act 250 and Section 248 Guidance Documents

Act 250 and ANR

Section 248 and ANR

Act 171 Forest Blocks and Habitat Connectors

NRB, PUC, PSD Links

CPG Application Fee Form

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ACT 171 AND PLANNING FOR FOREST BLOCKS AND HABITAT CONNECTORS

Act 171 amended Vermont Planning Statutes to encourage and allow municipalities to address protection of forest blocks and habitat connectors while supporting the local forest products industry. Learn more about how to identify regionally and locally significant forest blocks and habitat connectors by reviewing the resources linked below.

Guidance Documents

- <u>Planning: A Key Step Towards Protecting Forest and Wildlife Resources</u>. Outlines a suggested process to
 help towns implement the requirements of Act 171. Released by the Vermont Agency of Natural Resources
 in March 2018.
- The Municipal Plan: State Planning Manual Module 1. Guides towns to create plans that present clear and concise visions for their communities. Released by the Agency of Commerce and Community Development in April 2017.
- Municipal Plans: Tools for Improving the Planning Process. A five-step outline of how towns can make
 effective plans that matter. Released by the Agency of Commerce and Community Development.
- <u>Community Strategies for Vermont's Forests and Wildlife: A Guide for Local Action</u>. Proactive solutions to reduce forest fragmentation and parcelization in Vermont. Released by the Vermont Natural Resources Council in September 2013.
- Mapping Vermont's Natural Heritage: A Mapping and Conservation Guide for Municipal and Regional

FOR Reference:

STATE PLANNING GOALS - 24 V.S.A. §4302: RELEVANT AND NEW LANGUAGE

- (6) To maintain and improve the quality of air, water, wildlife, forests, and other land resources
- (C) Vermont's forestlands should be managed so as to maintain and improve forest blocks and habitat connectors.
- (9) To encourage and strengthen agricultural and forest industries.
- (A) Strategies to protect long-term viability of agricultural and forestlands should be encouraged and should include maintaining low overall density.
- (B) The manufacture and marketing of value-added agricultural and forest products should be encouraged.
- (C) The use of locally-grown food products should be encouraged.
- (D) Sound forest and agricultural management practices should be encouraged.
- (E) Public investment should be planned so as to minimize development pressure on agricultural and forest land.

REGIONAL PLANS - 24 V.S.A. §4348: RELEVANT AND **NEW** LANGUAGE

- (2) A land use element, which shall consist of a map and statement of present and prospective land uses, that: (A) Indicates those areas proposed for forests, recreation, agriculture (using the agricultural lands identification process established in 6 V.S.A. §8), residence, commerce, industry, public, and semipublic uses, open spaces, areas reserved for flood plain, and areas identified by the State, regional planning commissions, or municipalities that require special consideration for aquifer protection; for wetland protection; for the maintenance of forest blocks, wildlife habitat, and habitat connectors; or for other conservation purposes.
- (F) Indicates those areas that are important as forest blocks and habitat connectors and plans for land development in those areas to minimize forest fragmentation and promote the health, viability, and ecological function of forests. A plan may include specific policies to encourage the active management of those areas for wildlife habitat, water quality, timber production, recreation, or other values or functions identified by the regional planning commission.

MUNICIPAL PLANS - 24 V.S.A. §4382: RELEVANT AND NEW LANGUAGE

- (2) A land use plan, which shall consist of a map and statement of present and prospective land uses, that:
- (A) Indicates those areas proposed for forests, recreation, agriculture (using the agricultural lands identification process established in 6 V.S.A. §8), residence, commerce, industry, public, and semipublic uses, and open spaces, areas reserved for flood plain, and areas identified by the State, the regional planning commission, or the municipality that require special consideration for aquifer protection; for wetland protection; for the maintenance of forest blocks, wildlife habitat, and habitat connectors; or for other conservation purposes.
- (D) Indicates those areas that are important as forest blocks and habitat connectors and plans for land development in those areas to minimize forest fragmentation and promote the health, viability, and ecological function of forests. A plan may include specific policies to encourage the active management of those areas for wildlife habitat, water quality, timber production, recreation, or other values or functions identified by the municipality.