



Forests of Vermont, 2019



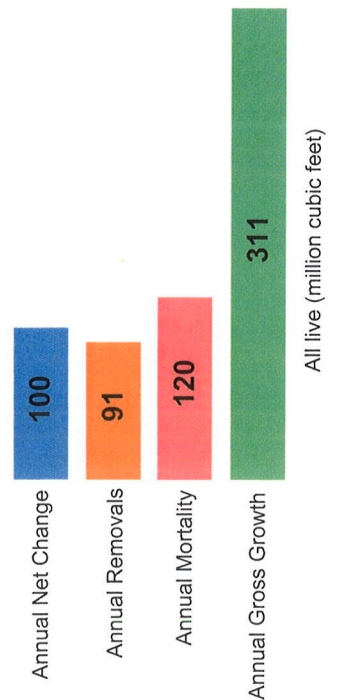
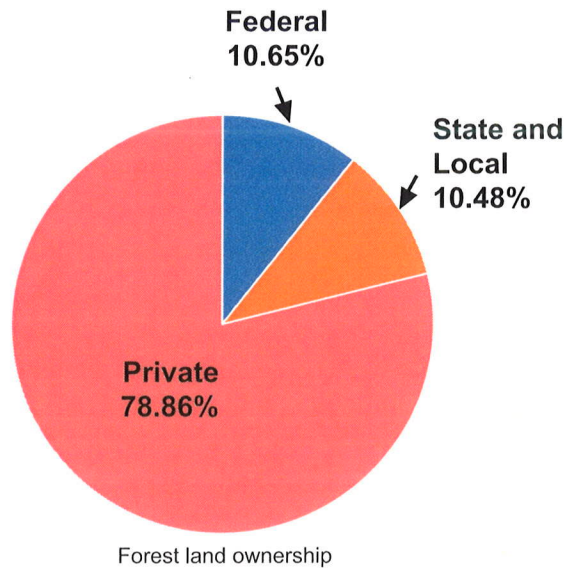
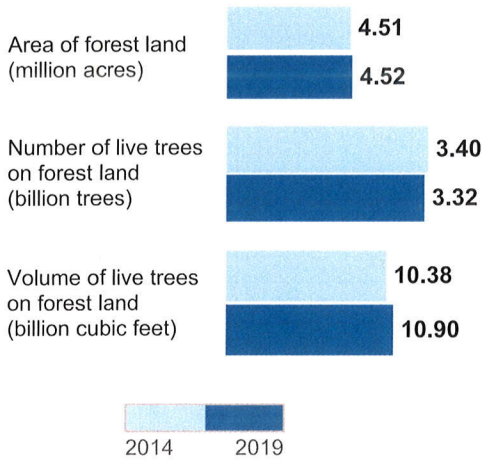
74% forested*

Vermont has an estimated **4,523,088** acres of forest land.

* Percent forest is forest area/total area. Percent forest with water removed from total area is 76%.

This resource update is a brief look at some of the basic metrics that describe the status of and changes to forest resources in Vermont. This information is based on field data collected using the USDA Forest Service Forest Inventory and Analysis (FIA) annualized sample design, and it is updated yearly.

Vermont has 1,124 sample plots across the State, of which 923.0 are currently forested. Each year, about 10-20 percent of these plots are visited and measured by field crews. Data used in this update were accessed from the FIA database on 09/17/2020.



2,652 acres of nonforest revert back to forest annually*

14,746 acres of forest land convert annually* to nonforest

50,027 acres of forest land are treated by cutting (harvest, thinning, etc.) annually*

0 acres of forest land are disturbed annually* by fire

2,354 acres of forest land are disturbed annually* by weather events

USDA Forest Service - Forest Inventory & Analysis



The estimates presented are based on data retrieved from the FIA database (09/17/2020) and may not reflect the most recent data available from the FIA program. Note – this publication does not include estimates of uncertainty. The most current data and sampling error for the estimates above can be found by visiting <https://www.fia.fs.fed.us/>.

*Average annual estimates are based on data collected across 5-10 years and may not be indicative of the nominal year presented in the title by itself.

2019 BED annual purchases vs above-ground biomass, net growth, and annual harvest data

All data are Vermont data.

Total above-ground biomass – live trees:

- Assuming 54% moisture (BCAP Conversion)
- 453,737,746 Green Tons (GT)

Annual net growth of live trees:

- Forestland; 3,725,064.45 GT
- Timberland; 3,201,949.22 GT

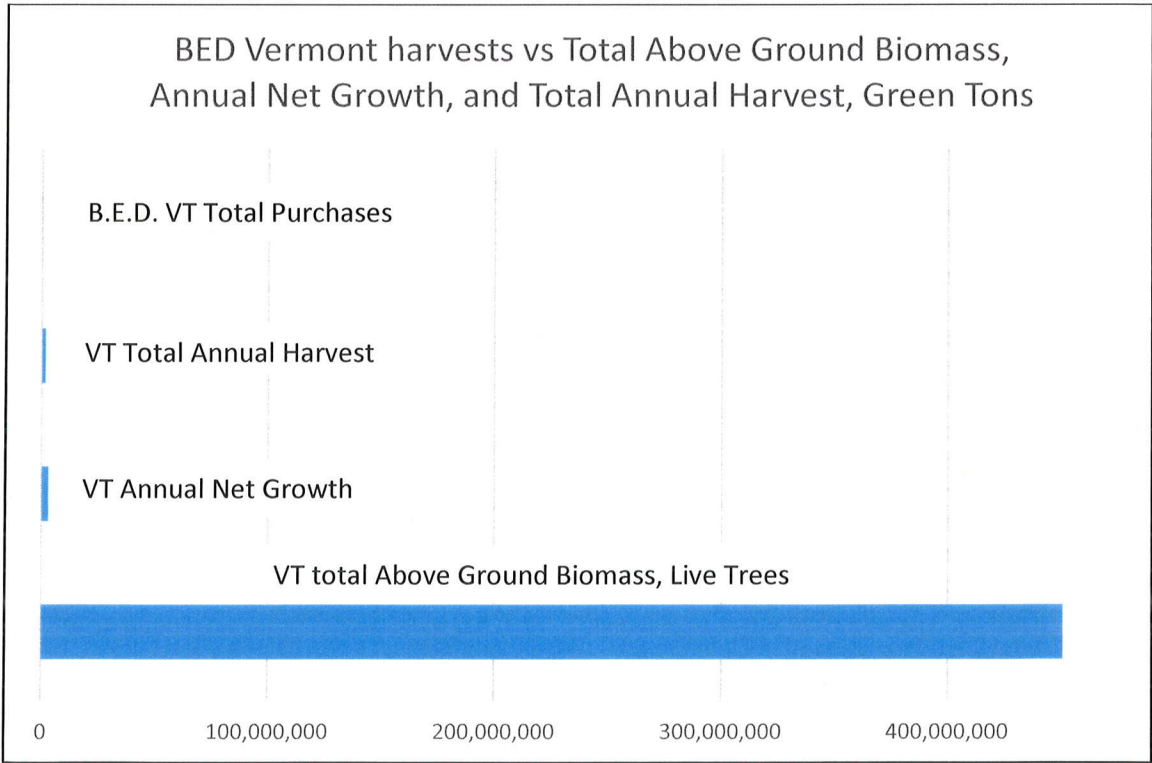
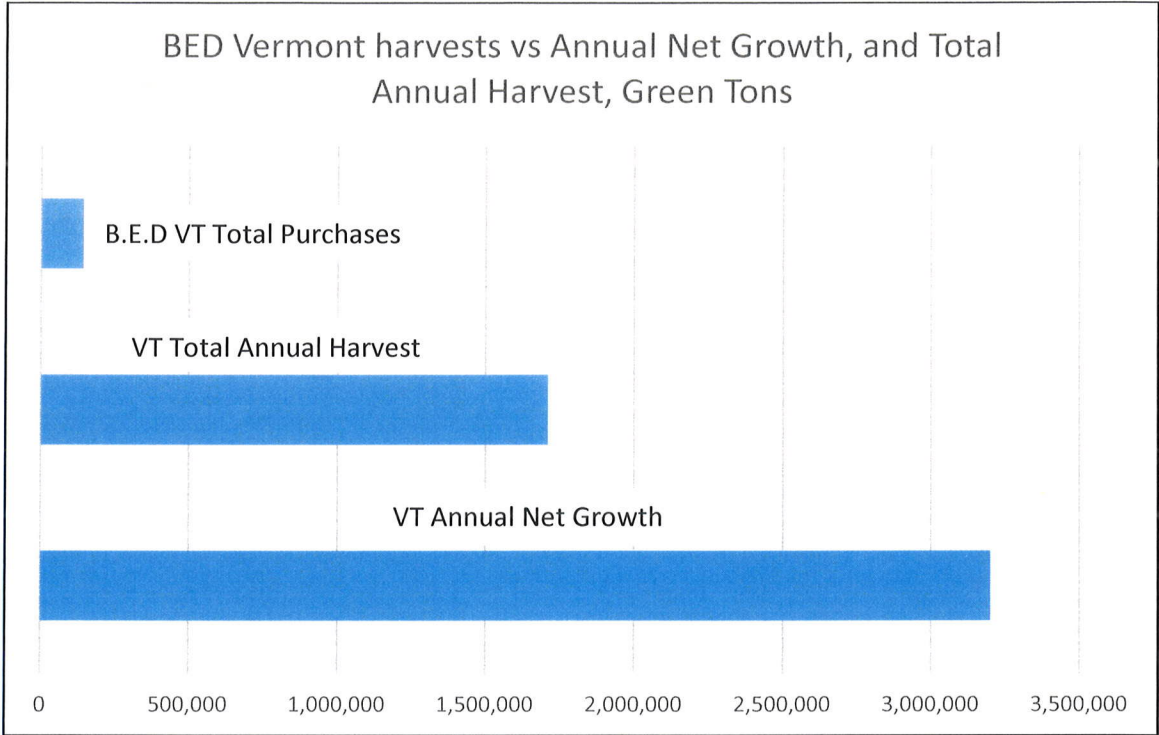
Annual harvest of live trees:

- Per USDA FIA data; 1,710,224.61 GT (forestland, use this number)

BED Vermont purchases: 142,349 GT

BED Purchases are:

- 8% of total annual VT harvest (FIA data)
- 4% of net annual growth
- 0.03% of total above-ground biomass of living trees





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How to cite this publication

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Archived Versions

This report and archived past versions can be found on the USDA Forest Service publication database, Treesearch using keywords "Forest Inventory" and "Vermont" here: <https://www.fs.usda.gov/treesearch/>.

National Woodland Owner Survey

The National Woodland Owner Survey (NWOS) collects and reports on multiple attributes of forest land ownership. Details of the NWOS program can be found here: <https://www.fia.fs.fed.us/nwos/>.

The most recent NWOS Factsheet for Vermont can be found here: <https://www.nrs.fs.fed.us/pubs/52396/>.

Additional Resources

The application that produced this resource update was developed using data from the USDA Forest Service Forest Inventory and Analysis database (FIADB): https://apps.fs.usda.gov/fia/datamart/datamart_excel.html .

Tables for Vermont, 2019 can be found here: <https://doi.org/10.2737/FS-RU-243-Tables>

The FIA one-click application can be found here: <https://doi.org/10.2737/FIA-One-Click-State-Report-v1.2>

Bechtold, W.A.; Patterson, P.L., eds. 2005. The enhanced Forest Inventory and Analysis program—national sampling design and estimation procedures. Gen. Tech. Rep. SRS-80. Asheville, NC: U.S. Department of Agriculture Forest Service, Southern Research Station. 85 p. <https://doi.org/10.2737/SRS-GTR-80> .

NOTE: Some of the above links will not be active until the resource update has been approved for official publication.

