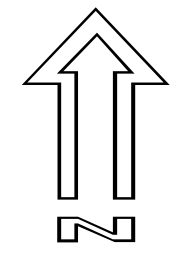


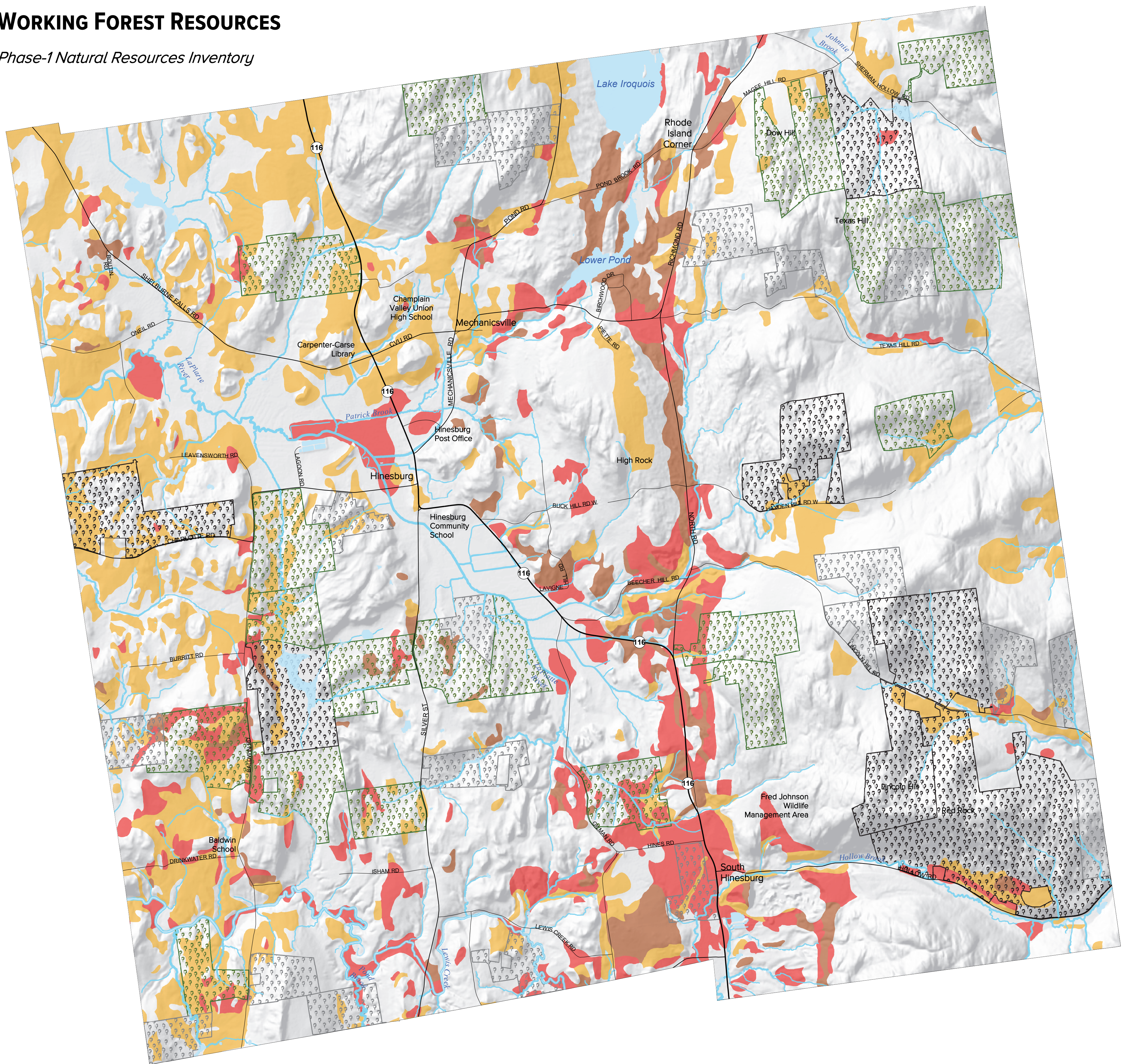


WORKING FOREST RESOURCES

Phase-1 Natural Resources Inventory



1:24,000



Use Value Forestland

- 50-100 acres
- 100-200 acres
- >200 acres

Productive Forest Soils

- Very High Productivity
- High Productivity
- Moderate Productivity

WORKING FOREST DATA LAYERS

Working forests are vital to Vermont's scenic backdrop, rural economy, and long-term capacity to temper and adapt to climate change (Vermont Forests, Parks & Recreation Department, 2015). Across Vermont, forest product harvesting and manufacturing contributes \$1.4 billion to the state's economy (NEFA, 2013). Working forests also provide important habitat for a variety of wildlife, including non-game and game species and multiple Species of Greatest Conservation Need (Vermont Wildlife Action Plan Team, 2015). Not all forest ownerships are of equal capacity. Large ownerships are typically more efficient for forest management and are often more financially viable over the long-term. Some soils and topographies are also much more productive and important for growing forest products. In addition to finances, larger working forest properties also generally have greater capacity to contribute to less tangible working forest values, such as scenery and mitigating the effects of climate change. The Working Forest Resources map shows the town's Forestlands and Productive Forest Soils.

The following data layers were used and/or developed during the inventory and analysis of working forest resources in town.

UVA Forestland

Parcels with some portion of their land enrolled in the Vermont use value appraisal (UVA) program (also known as "current use") as forestland, requiring an active forest management plan. Many parcels include some areas excluded from UVA. While all forestland UVA parcels are included in the database, only parcels greater than 50 acres are shown to emphasize long-term working forest viability. This database is maintained by the Vermont Agency of Natural Resources, but the parcel boundaries are derived from local digital tax maps.

Productive Forest Soils

Subset of USDA Natural Resource Conservation Service (NRCS) soil survey data depicting productive soils for the growth of forest products, including soils of very high productivity, high productivity, and moderate productivity. The soil map and data were prepared by soil scientists as part of the national cooperative soil survey. Forest soil groups, a classification of productivity, were developed and determined by USDA-NRCS in partnership with the Vermont Department of Forest, Parks and Recreation.

Very High Productivity: Subset of the most productive forest soils in the state. Includes forest soil group 1. Soil is highly productive, has good drainage (not too droughty or too poorly drained) and is of favorable terrain and texture for cost-efficient management. Steep slopes, outcrops/edges, extremely rocky areas, heavy clay soils, and other limitations that can reduce access or operability and increase management costs are infrequent. The slopes and soils included in this subset also typically have less potential for severe erosion.

High Productivity: Subset of highly productive forest soils across the state. Includes forest soil group 2. As compared to very high productivity soils, has slightly more limitations and/or higher cost associations.

Moderate Productivity: Subset of moderately productive forest soils across the state. Includes forest soil group 3. More limitations and/or higher cost associations than preceding productivity groups.

For more information see the *Forest Value Groups and Forest Soil Potential Study for Vermont Soils* report.

References

North East Foresters Association (NEFA). 2013. *The Economic Importance and Wood Flows of the States of Maine, New Hampshire, Vermont, and New York.*

United States Department of Agriculture-Natural Resource Conservation Service and Vermont Department of Forest, Parks and Recreation. 2003. *Forest Value Groups and Forest Soil Potential Study for Vermont Soils.* Natural Resources Conservation Service. Colchester, VT.

United States Department of Agriculture. 1978. *Soil Survey of Orange County, Vermont.*

Vermont Forests, Parks & Recreation Department. 2015. *Vermont Forest Fragmentation Report: Report to the Vermont Legislature, submitted to House and Senate Committees on Natural Resources and Energy and the House Committee on Fish, Wildlife, and Water Resources.*

Vermont Wildlife Action Plan Team. 2015. *Vermont Wildlife Action Plan 2015.* Vermont Fish & Wildlife Department. Montpelier, VT.



This map is not a survey. Map contains data of varying accuracy and age.

Map produced: 12/21/2020
Map Coordinate System: VT State Plane (NAD 83)