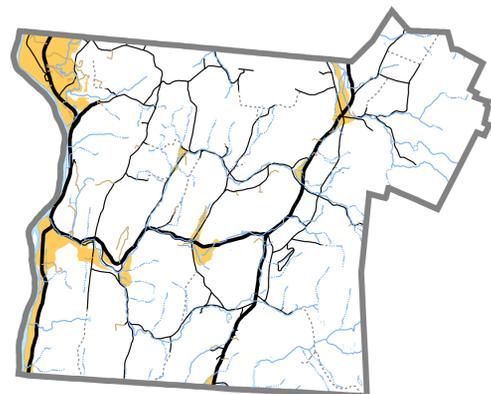


### Components of the Co-occurrence Analysis

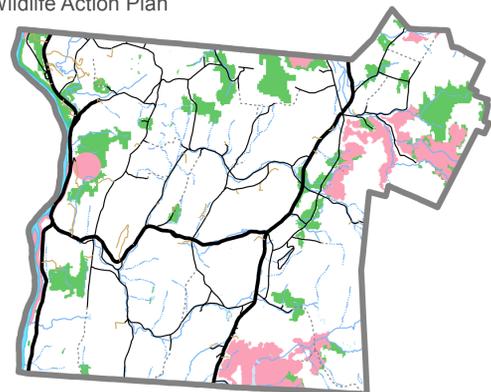
Water Resources  
- Aquifers mapped by US Geological Survey



Aquifers

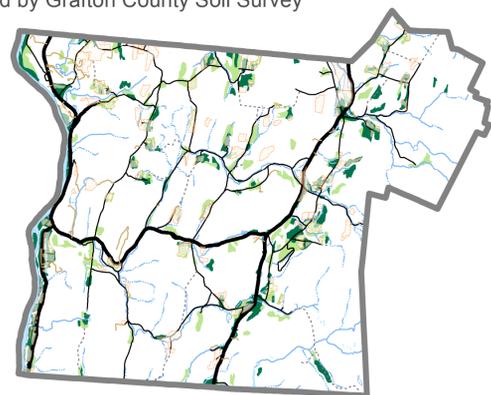
For the analysis, Water Resources and Wildlife Habitat are compiled into one Ecological Resources component.

Tier 1 and 2 Wildlife Habitat  
- by NH Fish and Game, 2010 Wildlife Action Plan

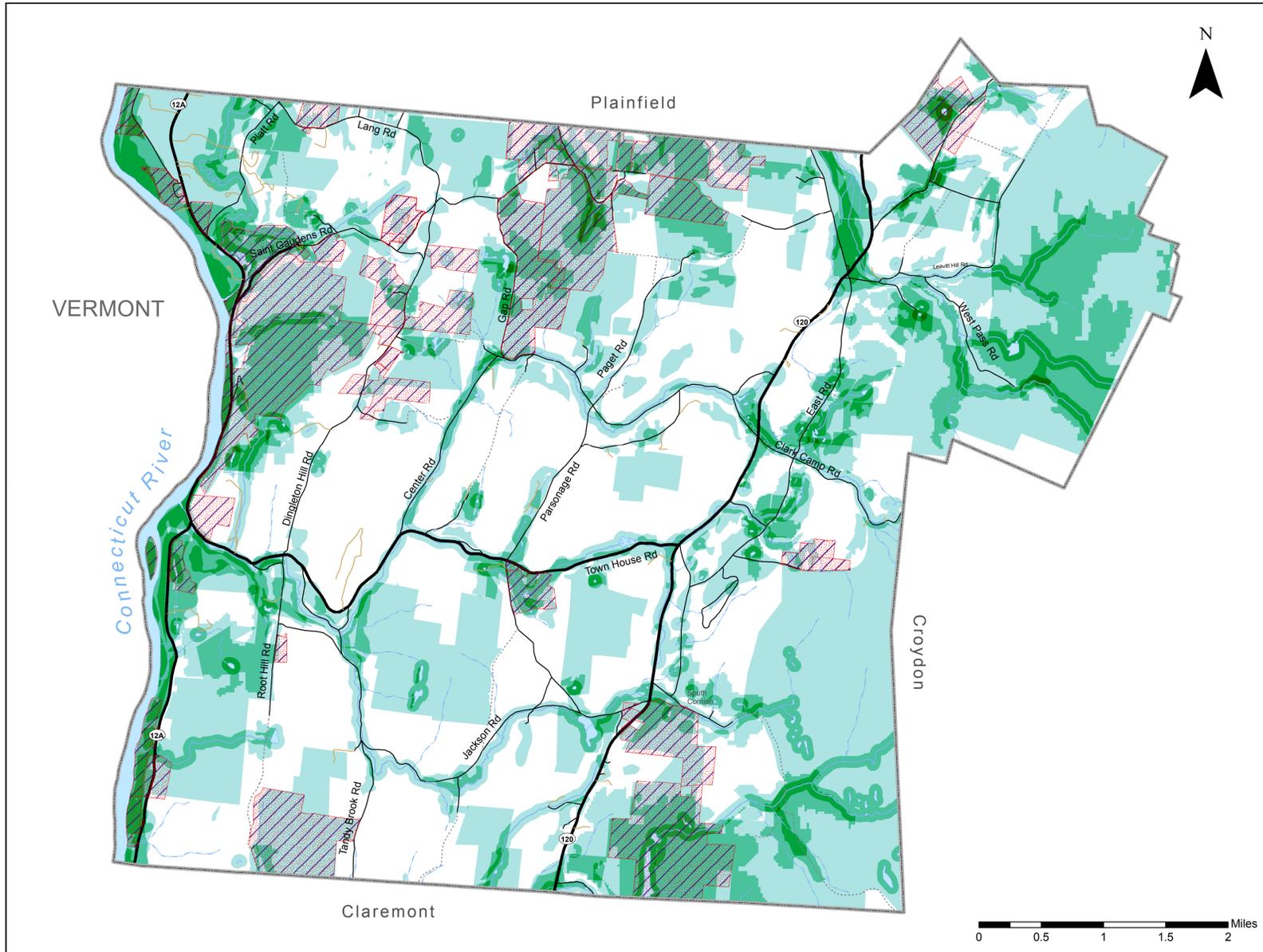


Highest Ranked Habitat in New Hampshire  
Highest Ranked Habitat in Biological Region

Agricultural Resources  
-Prime and state agricultural soils mapped by Grafton County Soil Survey



Agricultural Land  
All areas are prime farmland  
Farmland of statewide importance



### Natural Resources Co-occurrence Analysis Cornish, NH

- | Roadways            | Analysis Results   |
|---------------------|--------------------|
| State               | 0 Features         |
| Local               | 1 Feature          |
| Not Maintained      | 2 Features Overlap |
| Private             | 3 Features Overlap |
| Waterbodies         | 4 Features Overlap |
| Intermittent Stream | Conservation Land  |
| Perennial Stream    |                    |

A co-occurrence analysis shows where **multiple** natural resources are found at the **same** location.

Each of the five natural resource component were virtually "stacked" one on top of the other using the computer mapping software ArcGIS. Where the features in all four component maps overlapped, the co-occurrence analysis shows a value of "four." Where the features in only three of the four component maps overlapped, the analysis shows a value of "three" and so on.

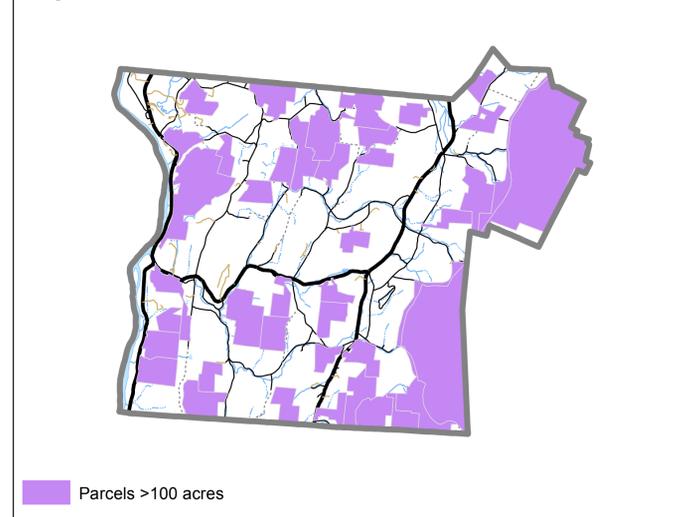
This is one tool of many to use in evaluating natural resources values on a town-wide basis. The analysis provides general information for town-wide conservation planning and land management, which may be followed up by site-specific studies.

Scenic Resources  
- as identified by Cornish Conservation Commission



Scenic Viewpoints  
Riverside Parcels  
Scenic Roads  
Shoreline

Large Parcels



Parcels >100 acres

Map created by UVLSRPC, Dec 2013.

Data sources: Data distributed by Complex Systems Research Center (CSRC), University of New Hampshire (UNH) via NH GRANIT. Data updated/corrected by Cornish Conservation Commission, 2012. Roads from the NH Department of Transportation, Bureau of Planning and Community Assistance, 2012. Conserved lands from CSRC, UNH, 1:24,000 scale, 2012, with updates, 2013. Water features from NH Hydrography Dataset, 2006. Town boundary from CSRC, UNH, 1992. See inset maps for data sources associated with component layers of the cooccurrence analysis.

Disclaimer: Digital data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex Systems Research Center (CSRC), under contract to the Office of Energy and Planning (OEP), and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OEP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.