

Town of Gilmanton

New Hampshire



DATA SOURCES

NOI GRANIT Data

Most of the data displayed here represents vector data which was obtained in 2002 from the NOI GRANIT database as maintained by the Connecticut State Research Center (CSRC) at the University of New Hampshire (UNH). The New Hampshire Geographic Information System and Information Transfer System (NHGIS) is a cooperative project to create, maintain, and make available a statewide geographic data base serving the information needs of state, regional, and local decision-makers. A collaborative effort between the University of New Hampshire and the US Office of Data Planning (ODP), the NOI GRANIT System is based on the 1991 features for the Study of Public Choice, and Survey in Duffield. The GRANIT approach is a statewide GIS approach that incorporates efforts of a host of agencies, collaborating on various elements of database design and construction as well as application development.

NOI GRANIT and CSRC maintain a continuing program to identify and correct errors in their data. CSRC, ODP, and the participating agencies and organizations make no claims as to the reliability or accuracy of the data.

Other Data

- Conservation Lands (2005): Includes most GRANIT data as well as more recent parcels digitized by The Forest Service and Lake Region Planning Commission from various sources including town maps.
- Roads derived from NOI DCF road base (3/2001) and USGS digital line graphs with street corrections and updates as identified by Town of Gilmanton as digitized by 2005.
- Streams digitized from most GRANIT stream base (1990) with street corrections and updates as identified by Town of Gilmanton.
- Contours, Slopes > 20%, and South Slopes > 10% derived by Forest Service from USGS National Elevation Data (1990) contours and lines.
- Watershed Boundaries (2002): 100' buffer on perennial streams and all surface water bodies (1:12,000 scale USGS digital line graph data) combined with adjacent 100' perimeter wetland polygons. Overlaid areas as defined by 2001 NOI Land Cover data, were removed.
- Wetland Channels derived by NOI Fish & Game Dept. Represents channels of 7' or more width less than 1 acre in size within 1 km of each other and occurring in the same block of unfragmented land.
- Stream Wetlands derived by NOI Fish & Game. Represents subacute stream wetlands selected from the National Wetlands Inventory data.
- Agricultural & Other Open Lands derived by NOI Fish & Game from NOI Landcover 2001 with subacute & some additional to Forest Service through interpretation of USGS 1:250,000 aerial DNCC.
- Conservation Land Buffers (Inventory Study): 1,000' and 2,000' buffers to Conservation Lands derived by Forest Service.
- Large Contiguous Wetlands > 2 Acres derived by NOI Fish & Game from a dissolved composite of Wetlands Inventory data.
- Clear Yards digitized by Forest Service. Base point map, digitized by NOI Fish & Game 9/10/01.
- Production Lands from Natural Resources Conservation Service, Montpelier, (February 2005).

Map Description

This map was produced for the Gilmanton Conservation Commission and is intended to be used for planning purposes only. Representations of property lines on this map are an approximation of available information and should not be used for recording or construction purposes without verification.

NATURAL RESOURCE CO-OCCURRENCE ANALYSIS

High-value natural resource areas can best be identified by creating a resource co-occurrence map. This is typically the final stage in a GIS-based natural resource inventory (NRI) and is developed by overlaying the individual resource layers in the GIS to identify features whose multiple occurrences of those resources exist.

Co-occurrence as displayed on this map with a gradient color map where the darker the color, the greater the number of overlapping resources.

The co-occurrence model for the Town of Gilmanton's NRI included 16 natural resource features as well as a proximity to conservation lands buffer. Each feature was assigned a value of 1-5 points. Buffer to the small forest map along the edges of the map to use the spatial extent and point values of each of these features. Total co-occurrence values displayed in the orange color map on the main map represent the sum of the values behind the overlapping features that exist at a given location.

Gilmanton's co-occurrence model included the following resource features and values:

Wetland Channels	2 pts	Wetland Other (Other > 100' (DNCC))	1 pt
Clear Yards	1 pt	Previously Permitted Clear Yards Areas	1 pt
Conservation Wetlands > 2 acres	1 pt	Wetland Production Areas	1 pt
Channel of Wetlands > 7 acres	1 pt	Saltwater Bays	1 pt
Emergent Wetlands	1 pt	100' Buffer to Conservation Lands	1 pt
Ag & Other Open Lands	1 pt	Proximity to Agricultural Lands - Prime Ag	1 pt
South Slopes > 10%	1 pt	Ag Sub of National Significance	1 pt
Steep Slopes > 20%	1 pt	Production Forest Lands	1 pt
Proximity to Conservation Lands	0.0000 - 2 pts		
	1,000 - 2,000' > 2 pts		

Wetland Channels 1 pt

Proximity to Conservation Lands 0.0000 - 2 pts

Steep Slopes > 20% 1 pt

South Slopes > 10% 1 pt

Production Forest Lands 1 pt

Ag & Other Open Lands 1 pt

Emergent Wetlands 1 pt

Large Wetlands > 5 ac 1 pt

Wetland Channels 1 pt

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Conservation Wetlands > 2 acres 1 pt

Channel of Wetlands > 7 acres 1 pt

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Previously Permitted Clear Yards Areas 1 pt

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Proximity to Conservation Lands 0.