





2005 Landuse Type	Acres
Agricultural Land	375.2
Brush or Transitional Between	
Open and Forested	134.1
Cemeteries	0.9
Commercial retail	13.8
Disturbed Land	6.4
Educational	6.1
Electric, gas and other utilities	34.5
Forest Land	2,878.6
Government	1.9
Industrial	3.0
Institutional	2.2
Other Agricultural Land	24.2
Outdoor recreation	50.8
Road right-of-way	38.2
Services	30.5
Single family/duplex	408.9
Water	143.0
Wetlands	994.3
Grand Total	5,146.6



Waterbody Swamp / Marsh

Generalized

Soil Map (State Soil Geographic (STATSGO) data base for New Hampshire) This data set is a digital general soil association map developed by the National cooperative Soil Survey. It consists of a broad based inventory of soils and nonsoil areas that occur in a repeatable pattern on the landscape and that can be cartographically shown at the scale mapped. The soil maps for STATSGO are compiled by generalizing more detailed soil survey maps. Map unit composition for a STATSGO map is determined by transecting or sampling reason the more detailed maps and expanding the data statistically to characterize the whole map unit. This data was published by the U.S. Department of Agriculture, Soil Conservation Service in 1994.

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Natural Resources Inventory South Hampton, NH

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This data layer contains point locations of public water supply sources, including wells and surface water intake locations as registered with the NHDES, Water Supply Engineering Bureau. Locations were automated by the U.S. Environmental Protection Agency, Region I and by the NHDES Groundwater Protection Bureau and Water Supply Engineering Bureau. This dataset is updated monthly and was obtained by RPC in May 2004.

Drinking Water Source Protection Areas have been delineated by the NH Department of Environmental Services as part of the State's drinking water protection program under the Groundwater Protection Act, RSA 485-C. The coverage is limited to sources for community and non-community, non-transient public water systems. Under the State's program, a protection area is the area from which water is likely to flow toward and reach a water supply source. This map shows wellhead delineations for groundwater sources and watershed delineations for surface water intakes and groundwater sources under the direct influence of surface water. These areas are used by the Department of Environmental Services in setting priorities for protection activities.



ROCKINGHAM COUNTY, NH



Public Supply Wells (active)

Public Supply Wells (active)

Drinking Water Protection Areas

Town Identified Conservation Land



Water Features

Stream Waterbody

Swamp / Marsh

Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, as archived in the GRANIT database at Complex Systems Research Center, Institute for the study of Earth, Oceans and Space, University of New Hampshire, Durham, NH; 1992-1999. The roads within the Rockingham Planning Region have been updated by Rockingham Planning Commission and by NH Department of Transportation through ongoing efforts.

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Natural Resources Inventory South Hampton, NH



Transmissivity -

2000 - 4000 Sqft per day - .83 Acres 0 - 1000 Sqft per day - 447.52 Acres

> Stratified-Drift Aquifer data was automated by Complex Systems Research Center, UNH and is archived in the GRANIT Database. The aquifer data was automated from maps generated as part of a larger study of groundwater resources in New Hampshire. The Study was conducted under a cooperative agreement between the US Geological Survey and the NH Department of Environmental Services, Water Resources Division. It included an assessment of the aquifers within stratified sand and gravel deposits.

Transmissivity of Stratified Drift Aquifers quantifies the ability of an aquifer to transmit water, measured in feet squared per day. Transmissivity/Aquifer data was automated by Complex Systems Research Center, UNH and is archived in the GRANIT Database. The aquifer data was automated from maps generated as part of a larger study of groundwater resources in New Hampshire. The Study was conducted under a cooperative agreement between the US Geological Survey and the NH Department of Environmental Services, Water Resources Division. It included an assessment of the aquifers within stratified sand and gravel deposits.

Transmissivity Less than 1000 Stream 1000 to 2000 Waterbody 2000 to 4000 Swamp / Marsh greater than 4000

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Farmland Type	Acres
All areas are prime farmland	602.5
Farmland of local importance	704.1
Farmland of statewide importance	1105.9
Grand Total	2412.5

Water Features Stream Waterbody Swamp / Marsh

This is land, in addition to prime and unique farmlands, that is of statewide importance for the production of food, feed, fiber, forage and oilseed crops. Criteria for defining and delineating this land are to be determined by the appropriate State agency or agencies. Generally, additional farmlands of statewide importance include those that are nearly prime farmland and that economically produce high yields of crops when treated and managed according to acceptable farming methods. Some may produce as high a yield as prime farmlands if conditions are favorable. In some States, additional farmlands of statewide importance may include tracts of land that may have been designated for agriculture by state law.

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Town Identified Conservation Land Farmland Soils



All areas are prime farmland

Farmland of local importance

Farmland of statewide importance







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Coarse Filter Significant Wildlife Habitat: Co-occurrence Scores

The New Hampshire Fish & Game Department has completed a coarse filter analysis of potential significant wildlife habitat for the state based on a protocol modified from that outlined in the manual "Identifying and Protecting New Hampshire's Significant Wildlife Habitat" (Kanter et al. 2001).

This map displays areas where one or more habitat type occurs in the same location. Areas marked in dark red signify locations containing four or five habitat types; for example, an area with riparian and rare wildlife habitat, located within a river floodplain, and occurring within an unfragmented patch. This overlay is important for identifying high priority habitat areas where land protection efforts are probably most warranted. It can also be used to identify high priority habitats that are most susceptible to future development.



Town Identified Conservation Land

NHF&G Wildlife Action Plan

- Highest Ranked Habitat in NH
- Highest Ranked Habitat in Biological Region
- Supporting Landscapes

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Tiers Type	Acres
Highest ranked habitat in NH (by condition)	956.4942
Highest ranked habitat in biological region	1291.4155
Supporting landscapes	1430.4317
Total Land in Wildlife Action Plan	3678.3414

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NSN = 3111.26 *Acres*

What is a natural service?

The natural world provides the foundation for human health and economic vitality. Natural systems store floodwaters, cleanse air and water, maintain productive soils, support wildlife, recycle wastes, moderate temperature extremes, and more. The free benefits provided by nature are called natural services.

What does the Network consist of?

After much deliberation, the Natural Services Network development team decided that base maps would consist of four components: water supply lands, flood storage lands, productive soils, and important wildlife habitat.

1 - Water supply lands include highly transmissive aquifers identified by the US Geological Survey and favorable gravel well sites identified by the NH Department of Environmental Services.

2 - Flood storage lands include 100-year floodplains identified by FEMA and lacustrine (associated with lakes), riverine (associated with rivers), and palustrine (other non-tidal) wetlands identified by the USFWS National Wetlands Inventory.

3 - Productive soils include prime farmland and farmland of statewide importance identified by the Natural Resource Conservation Service. 4 - Important wildlife habitat includes habitat of statewide priority and habitat of ecoregional priority identified by the NH Fish & Game Department Wildlife Action Plan.

Natural Services Network Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, as archived in the GRANIT database at Complex Systems Research Center, Institute for the study of Earth, Oceans and Space, Town Identified Conservation Land University of New Hampshire, Durham, NH; 1992-1999. The roads within the Rockingham Planning Region have been updated by Rockingham Planning Commission and by NH Department of Transportation through ongoing efforts. Water Features NOTE: Base features for areas surrounding the Rockingham Region may be shown on this map. These features were automated from USGS 1:100,000 scale digital data sources. This information was provided for reference only. RPC makes no claim to its completeness or accuracy. Туре 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 State Planning (OSP), and in consultation with Stream cooperating agencies, maintains a continuing program to identify and correct errors in these data. OSP, CSRC, and the cooperatin agencies make no claim as to the validity or reliability or to any implied uses of these data. Waterbody

Swamp / Marsh



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The 'Conservation land' shown on this map are were identified by the community of South Hampton. The town used the GRANIT base layer and refined it based on local knowledge. Properties shown on this map have many different sorts of protection and public access, please check with the property owner before use of parcels.

Conservation Lands are from the GRANIT Conservation/Public Lands data. This layer contains a digital record of parcels of land of two or more acres that are mostly undeveloped and are protected from future development. Smaller parcels that adjoin previously mapped parcels or represent unique features, such as a bog or state-owned boat ramp, may also be included in the data layer. The data was developed from the records of the Society for the Protection of NH Forests (SPNHF), many of the state agencies, and original research from deeds and tax maps. The last update was completed in 2010 by NH GRANIT at UNH, Durham

The RPC also checked the Southeast Landtrust of New Hampshire 's database of conserved lands, this database showed no additions to the GRANIT database

Howfirma Trust is a 501 c (3), so the above are formally protected properties. This data was provided to the RPC by The South Hampton conservation commission.

Howfirma Trust Properties Shown = 277.9 *Acres* (5.40%)

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Town Identified Conservation Land Water Features

Howfirma Trust Properties

Parcels (2008)

Туре Stream



Waterbody Swamp / Marsh K









This map displays the NH Natural Heritage Bureau data coverage maintained by UNH GRANIT. This data is carefully distributed to 1 ensure the confidentiality guidelines of the NH Native Plant Protection Act (NH RSA 217-A:4) and to respect landowner privacy issues. It should be noted each occurrence has been shifted a random distance and direction of its actual location. The purpose of the shift is to protect rare species from unscrupulous collectors and to protect landowner privacy by making it harder to infer whether an occurrence is on a specific parcel of land.

Locations of "G" Precision have been withheld from this map due to their imprecise location. Most of these cases are old and vague and likely would not be helpful to the planning process.

The final map may not be used as a substitute to NH Natural Heritage Bureau reviews that are required by the Department of Environmental Services, Federal Energy Regulatory Commission, or any other local, state, or federal government agency.

A comprehensive inventory of rare and sensitive species and natural communities has not been done in New Hampshire. The Natural Heritage Bureau data represents the best available information for locations and statuses of rare species and natural communities in New Hampshire, but there are certainly occurrences that have not yet been found.

NH Heritage Bureau Type

- Wildlife
 - Natural Community Occurance
- Plant
- Town Identified Conservation Land

Base Features (transportation, archived in the GRANIT data University of New Hampshire, Du Rockingham Planni

NOTE: Base features for an automated from USGS 1:100,000 s

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		State Listed	Importance	Town	State	
	Natural Co	mmunities - R		Town	Juic	
	Temperate minor river floodplain system			Historical	5	
	Natural Con	munities - Te	rrostrial	Thistorreal		
	Swamp white oak floodplain forest	internet s = re	Extremely	1	7	
		Diants	LAtternety	I	/	
	Engelmann's Quillwort (Isoatas angelmannii)	Fiants		Historical	15	
	Engenmann's Quinwort (Isoetes engenmanni)	E	Von High	1	12	
	Fescue Sedge (Carey fectucacea)	F	very nigh	Historical	4	
	Pebuct Knotwood (Dersicaria robustion)	с С	Von High	1		
	Robust Knotweed (Persicana robustior)	E Dive	very High	1	0	
	Coldon wingod Washlos (Varmiuara sharaastaa)	eprates - Bird	5	Historical	Δ	
	Golden-winged warbier (vermivora chrysoptera)	SC		Historical	4	
	Osprey (Pandion nallaetus)	SC	very High	1	103	
	Ver	tebrates - Fish	1			
	Banded Sunfish (Enneacanthus obesus)	SC -	Very High	1	30	
	Bridled Shiner (Notropis bifrenatus)	Т	Extremely	1	20	
	Redfin Pickerel (Esox americanus americanus)	SC	Very High	2	32	

NH NATURAL HERITAGE BUREAU DATA

This map illustrates the general locations of rare plants, wildlife, and natural communities (natural communities are different types of wetlands, forests, etc.). Precise locations are not shown due to the data's sensitive nature. The NH Natural Heritage Bureau's database contains more detailed information including locations, population sizes, and habitat descriptions.

Please contact the Natural Heritage Bureau at (603) 271-2214 for more information. Wildlife occurrences are compiled and displayed in cooperation with the NH Fish & Game Department's Nongame Program, who may be reached at (603) 271-2462.

RARE PLANT(S), WILDLIFE, AND/OR NATURAL COMMUNITY: Precise location within circle known. Contact the Natural Heritage Bureau for additional information.

> Occurrence within circle, but precise location not known due to unclear records. Contact the Natural Heritage Bureau for additional information.

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Natural Resources Inventory South Hampton, NH



2010 NHDOT / USGS 1'

The New Hampshire Department of Transportation partnered with the US Geological Survey (USGS) and additional state and federal partners to acquire high resolution, leaf-off, color, aerial photography.

This 1' (.35m) GSD multispectral digital orthoimagery was compiled to meet a 3.0 meter (9.84') horizontal accuracy at 95% confidence level based on NSSDA testing guidelines. These images were geometrically corrected to achieve a uniform scale. Each frame was adjusted for topographic relief, lens distortion and camera tilt.

The NH Department of Transportation shall not be held liable for any errors in this data. This includes errors of omission, errors of commission, content errors, and relative and positional accuracy errors in the data. This data should not be construed to be a legal document. Primary sources from which this data was compiled must be consulted for verification of information contained in this data. This data is in the public domain, and may not be resold. Town Identified Conservation Land

Water Features

Туре

Stream

Waterbody

Swamp / Marsh

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