

Natural Services Network (NH)



Tags

Natural Services Network, New Hampshire

New Hampshire Natural Services Network 2007

Metadata:

- * Identification_Information <#1>
- * Data_Quality_Information <#2>
- * Spatial_Data_Organization_Information <#3>
- * Spatial_Reference_Information <#4>
- * Entity_and_Attribute_Information <#5>
- * Distribution_Information <#6>
- * Metadata_Reference_Information <#7>

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/Citation:/

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/Originator:/ Complex Systems Research Center, University of
New Hampshire

/Publication_Date:/ 20070514

/Title:/ New Hampshire Natural Services Network 2007

/Geospatial_Data_Presentation_Form:/ vector digital data

/Publication_Information:/

/Publication_Place:/ Durham, New Hampshire

/Publisher:/ Complex Systems Research Center, University
of New Hampshire

/Online_Linkage:/

<URL:<http://www.granit.sr.unh.edu/cgi-bin/nhsearch?dset=nsn07/nh>>

<<http://www.granit.sr.unh.edu/cgi-bin/nhsearch?dset=nsn07/nh>>

/Larger_Work_Citation:/

/Citation_Information:/

/Originator:/ Complex Systems Research Center,
University of New Hampshire

/Publication_Date:/ 19860101

/Title:/ NH GRANIT Database

/Publication_Information:/

/Publication_Place:/ Durham, New Hampshire

/Publisher:/ Complex Systems Research Center,
University of New Hampshire

/Online_Linkage:/ <URL:<http://www.granit.sr.unh.edu>>

<<http://www.granit.sr.unh.edu>>

/Description:/

/Abstract:/

The New Hampshire Natural Services Network (NSN) identifies lands that provide important ecological services and that are difficult and/or expensive to replicate. A composite of four components, including water supply lands, productive soils, flood storage lands, and important wildlife habitat, the NSN reflects a model created by a collaborative of planning and natural resource professionals in the state.

/Purpose:/

The NSN was developed to help towns and land trusts understand their natural assets in the context of a larger region by providing a framework for green infrastructure planning at the regional or municipal scale. It is intended to foster collaboration across political boundaries to protect essential ecological services, while providing a rational nexus for zoning districts or overlays.

/Supplemental_Information:/

Data distribution tile: Statewide

Partners in the development of the NSN included: Audubon Society of NH, Central New Hampshire Regional Planning Commission, Nashua Regional Planning Commission, NH Department of Environmental Services, NH Department of Transportation, NH Fish & Game Department, NH State Conservation Committee, Rockingham Planning Commission, Society for the Protection of New Hampshire Forests, Southern New Hampshire Planning Commission, The Jordan Institute, The Nature Conservancy, and the University of New Hampshire Complex Systems Research Center.

Initial development of the New Hampshire Natural Services Network was funded by the NH Department of Transportation. Additional support was provided by funds from the sale of the Conservation License Plate (Moose Plate) under the NH State Conservation Committee grant program.

For further information, please reference the "Natural Services Network User Guide", available from The Jordan Institute, Concord, NH.

Please cite as "New Hampshire GRANIT. 2007. New Hampshire Natural Services Network. Complex Systems Research Center, Institute for the Study of Earth, Oceans, and Space, University of New Hampshire, Durham, NH."

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/Currentness_Reference:/

Users may consider these data current to April, 2007, subject to data limitations noted below.

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/North_Bounding_Coordinate:/ 45.30723

/South_Bounding_Coordinate:/ 42.693632

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/Theme_Keyword:/ Natural Services

/Theme_Keyword:/ Ecology

/Theme_Keyword:/ Ecological Services

/Theme_Keyword:/ Land Use

/Theme_Keyword:/ Conservation

/Theme_Keyword:/ Environment and Conservation

/Place:/

/Place_Keyword_Thesaurus:/ None

/Place_Keyword:/ United States

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/Place_Keyword:/ New England

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/Access_Constraints:/ None

/Use_Constraints:/

Users must assume responsibility to determine the appropriate use of these data.

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/Contact_Information:/

/Contact_Organization_Primary:/

/Contact_Organization:/ Complex Systems Research Center

/Contact_Person:/ GRANIT Database Manager

/Contact_Position:/ GRANIT Database Manager

/Contact_Address:/

/Address_Type:/ mailing and physical address

/Address:/ Morse Hall, University of New Hampshire

/City:/ Durham

/State_or_Province:/ NH

/Postal_Code:/ 03824

/Country:/ USA

/Contact_Voice_Telephone:/ (603) 862-1792

/Contact_Facsimile_Telephone:/ (603) 862-0188

/Contact_Electronic_Mail_Address:/ granit@unh.edu

/Hours_of_Service:/ 8:30 AM - 5:00 PM, EST

/Browse_Graphic:/

/Browse_Graphic_File_Name:/

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/Browse_Graphic_File_Description:/ gif image file

/Browse_Graphic_File_Type:/ gif

/Data_Set_Credit:/ GRANIT database

/Native_Data_Set_Environment:/ ArcGIS 9.x

/Data_Quality_Information:/

/Attribute_Accuracy:/

/Attribute_Accuracy_Report:/

Attribute accuracy reflects the accuracy of the source data sets.

/Logical_Consistency_Report:/ These data are believed to be logically consistent.

/Completeness_Report:/

Two of the components used to develop the NSN were not available statewide. Soils data were not mapped for the area within the White Mountain National Forest. Floodplain data were not available for a number of communities/ unincorporated places, including: Belknap County - Center Harbor; Carroll County - Carroll; Coos County - Atkinson & Gilmanton, Beans Grant, Beans Purchase, Cambridge, Chandlers Purchase, Crawford's Purchase, Cutts Grant, Dixs Grant, Dixville, Ervings Location, Martins

Location, Millsfield, Odell, Pinkham's Grant, Sargents Purchase, Second College Grant, Success, Thompson & Meserves Purchase, Wentworths Location; Hillsborough County - Windsor. With these exceptions, the data are complete for the State of New Hampshire.
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/Horizontal_Positional_Accuracy:/

/Horizontal_Positional_Accuracy_Report:/
Positional accuracy reflects the horizontal positional accuracy of each of the input sources.

/Vertical_Positional_Accuracy:/

/Vertical_Positional_Accuracy_Report:/ Vertical positional accuracy was not assessed.

/Lineage:/

/Source_Information:/

/Source_Citation:/

/Citation_Information:/

/Originator:/ NH Department of Environmental Services

/Publication_Date:/ 1999

/Title:/

Identifying Potentially Favorable Areas to
Protect Future Municipal Wells in Stratified-
Drift Aquifers (Favorable Gravel Well Analysis -
75 and 150 GPM wells)

/Edition:/ One

/Geospatial_Data_Presentation_Form:/ map

/Publication_Information:/

/Publication_Place:/ Concord, NH

/Publisher:/ NH Department of Environmental Services

/Type_of_Source_Media:/ electronic

/Source_Time_Period_of_Content:/

/Time_Period_Information:/

/Single_Date/Time:/

/Calendar_Date:/ 1999

/Source_Currentness_Reference:/ publication date

/Source_Citation_Abbreviation:/ FGWA

/Source_Contribution:/ Component of Water Supply Lands

/Source_Information:/

/Source_Citation:/

/Citation_Information:/

/Originator:/

US Geological Survey and NH Department of
Environmental Services, Water Resources Division

/Publication_Date:/ 1989-1998

/Title:/

Geohydrology and Water Quality of Stratified
Drift Aquifers (in each of 13 study areas)

/Edition:/ One

/Geospatial_Data_Presentation_Form:/ map

/Publication_Information:/

/Publication_Place:/ Concord, NH

/Publisher:/ NH Department of Environmental Services

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/Source_Currentness_Reference:/ publication date

/Source_Citation_Abbreviation:/ TRANS

/Source_Contribution:/ Component of Water Supply Lands

/Source_Information:/

/Source_Citation:/

/Citation_Information:/

/Originator:/ USDA Natural Resources Conservation
Service (NRCS)

/Publication_Date:/ Varies

/Title:/ Soil Survey Geographic SSURGO database for
counties in NH

/Edition:/ One

/Geospatial_Data_Presentation_Form:/ map

/Publication_Information:/

/Publication_Place:/ Fort Worth, Texas

/Publisher:/ USDA NRCS

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/Calendar_Date:/ Varies

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/Source_Contribution:/ Component of Productive Soils

/Source_Information:/

/Source_Citation:/

/Citation_Information:/

/Originator:/ Complex Systems Research Center,
University of New Hampshire

/Publication_Date:/ 20020101

/Title:/ New Hampshire Land Cover Assessment 2001

/Edition:/ One

/Geospatial_Data_Presentation_Form:/ map

/Publication_Information:/

/Publication_Place:/ Durham, NH

/Publisher:/ Complex Systems Research Center,
University of New Hampshire

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/Source_Time_Period_of_Content:/

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/Range_of_Dates/Times:/

/Beginning_Date:/ 19900908

/Ending_Date:/ 20011201

/Source_Currentness_Reference:/ Dates of TM imagery,
field data collection

/Source_Citation_Abbreviation:/ NHLC01

/Source_Contribution:/ Component of Productive Soils

/Source_Information:/

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/Citation_Information:/

/Originator:/ NH Fish & Game Department

/Publication_Date:/ 2007

/Title:/ Wildlife Action Plan Highest Ranked
Wildlife Habitat

/Edition:/ One

/Geospatial_Data_Presentation_Form:/ map

/Publication_Information:/

/Publication_Place:/ Concord, NH

/Publisher:/ NH Fish & Game Department

/Type_of_Source_Media:/ electronic

/Source_Time_Period_of_Content:/

/Time_Period_Information:/

/Single_Date/Time:/

/Calendar_Date:/ 2007

/Source_Currentness_Reference:/ Publication date

/Source_Citation_Abbreviation:/ WAP

/Source_Contribution:/ Component of Important Wildlife Habitat

/Source_Information:/

/Source_Citation:/

/Citation_Information:/

/Originator:/ Federal Emergency Management Agency

/Publication_Date:/ Varies

/Title:/

Digital Flood Insurance Rate Maps (DFIRMs) and
preliminary digital flood data

/Edition:/ One

/Geospatial_Data_Presentation_Form:/ map

/Publication_Information:/

/Publication_Place:/ Durham, NH

/Publisher:/ Complex Systems Research Center,
University of New Hampshire

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/Ending_Date:/ 2007

/Source_Currentness_Reference:/ Publication date

/Source_Citation_Abbreviation:/ FLOOD

/Source_Contribution:/ Component of Flood Storage Lands

/Source_Information:/

/Source_Citation:/

/Citation_Information:/

/Originator:/ US Fish & Wildlife Service

/Publication_Date:/ 200502

/Title:/ National Wetlands Inventory

/Edition:/ One

/Geospatial_Data_Presentation_Form:/ map

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/Publication_Place:/ Durham, NH

/Publisher:/ Complex Systems Research Center,
University of New Hampshire

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/Range_of_Dates/Times:/

/Beginning_Date:/ 197102

/Ending_Date:/ 199212

/Source_Currentness_Reference:/ ground condition

/Source_Citation_Abbreviation:/ NWI

/Source_Contribution:/ Component of Flood Storage Lands

/Process_Step:/

/Process_Description:/

The 2 FGWA data sets (for 75 and 150 GPM wells) were unioned into a single data set. The 13 TRANS study area tiles were appended into a statewide data set. The statewide FGWA and TRANS were unioned into a single composite, and the item WSL (Water Supply Lands) was added and populated as 0/1.

The county based SSURGO SOILS data sets were appended into a statewide data set. Prime agricultural soils and soils of statewide importance were then extracted. Developed lands were selected from NHLC01, and overlain on SOILS such that the underlying soil units were erased. The item PS (Productive Soils) was added to the result and populated as 0/1.

Tier 1 and Tier 2 ranked habitats were extracted from the WAP data, and the item IWH (Important Wildlife habitat) was and populated as 0/1.

Digital 100-year floodplain (FLOOD) data (including effective DFIRMs for Cheshire, Rockingham, Strafford, and Sullivan Counties, preliminary DFIRMs for Grafton, Hillsborough, and Merrimack Counties, and preliminary data for Belknap, Carroll, and Coos Counties) were mosaiced into a statewide dataset. The data were not seamless across county boundaries. In producing the mosaic, efforts were made to prioritize features in the following order: effective DFIRMs, preliminary DFIRMs, preliminary digital data. From the NWI data, palustrine, lacustrine, and riverine wetland types were extracted. The FLOOD and NWI data were unioned, and the item FSL

(Flood Storage Lands) was added and populated as 0/1.

Finally, the WSL, PS, IWH, and FSL composites were unioned into the statewide Natural Services Network. The item NSN was added and populated as 0/1.

/Source_Used_Citation_Abbreviation:/ FGWA, TRANS, SOILS,
NHLCO1, WAP, FLOOD, NWI
/Process_Date:/ 200704

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/Point_and_Vector_Object_Count:/ 806035

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/False_Northing:/ 0.000000

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/Entity_and_Attribute_Information:/

/Overview_Description:/

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AREA - area of polygon (in square feet) PERIMETER- perimeter
of polygon (in feet) NSN - 1 signifies NSN feature, 0
otherwise WSL - 1 signifies Water Supply Land feature, 0
otherwise NSN_FGW150 - 1 signifies feature was flagged in
Favorable Gravel Well Analysis for 150 GPM wells, 0
otherwise NSN_FGW75 - 1 signifies feature was flagged in
Favorable Gravel Well Analysis for 75 GPM wells, 0 otherwise
TMAX - maximum transmissivity value for stratified drift
aquifer, in ft.(2) per day TMIN - minimum transmissivity
value for stratified drift aquifer, in ft.(2) per day TRANGE
- coded transmissivity range value DESCRIP - text
description of coded transmissivity range NSN_HTA - 1
signifies features is high yield aquifer (e.g. > 1000 ft.(2)
per day), 0 otherwise PS - 1 signifies Productive Soil
feature, 0 otherwise MUSYM - soil map unit symbol MUNAME -
soil map unit name FARMCLASS - soil farm class value IWH - 1
signifies Important Wildlife Habitat feature, 0 otherwise
WAPTIER - 1 signifies Tier 1 value, 2 signifies Tier 2 value
FSL - 1 signifies Flood Storage land feature, 0 otherwise
FLOODZONE - FEMA 100-year floodplain zone designation
FLOODWAY - "FLOODWAY" signifies within a floodway, <blank>
otherwise NWICODE - National Wetlands Inventory wetlands
code NWITYPE - National Wetlands Inventory wetlands type,
where P - palustrine, R - riverine, L - lacustrine

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All fields/items added during the processing are 0/1 flags,
where 1 indicates the presence of the named characteristic
and 0 indicates the absence of the named characteristic.

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/Distributor:/

/Contact_Information:/

/Contact_Organization_Primary:/

/Contact_Organization:/ Complex Systems Research Center

/Contact_Person:/ GRANIT Database Manager

/Contact_Position:/ GRANIT Database Manager

/Contact_Address:/

/Address_Type:/ mailing and physical address

/Address:/ Morse Hall, University of New Hampshire

/City:/ Durham

/State_or_Province:/ NH

/Postal_Code:/ 03824

/Country:/ USA

/Contact_Voice_Telephone:/ (603) 862-1792

/Contact_Facsimile_Telephone:/ (603) 862-0188

/Contact_Electronic_Mail_Address:/ granit@unh.edu

/Hours_of_Service:/ 8:30 AM - 5:00 PM, EST

/Resource_Description:/ NSN07 - New Hampshire Natural Services
Network 2007

/Distribution_Liability:/

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 NH 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.

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<URL:http://www.granit.sr.unh.edu>

<http://www.granit.sr.unh.edu>

/Fees:/

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reproduction when provided on CD-ROM or other media.
/Ordering_Instructions:/
Email GRANIT (granit@unh.edu) or order from web site
(www.granit.sr.unh.edu).

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/Metadata_Date:/ 20070507

/Metadata_Contact:/

/Contact_Information:/

/Contact_Organization_Primary:/

/Contact_Organization:/ Complex Systems Research Center

/Contact_Person:/ GRANIT Database Manager

/Contact_Position:/ GRANIT Database Manager

/Contact_Address:/

/Address_Type:/ Mailing and physical address

/Address:/ Morse Hall, University of New Hampshire

/City:/ Durham

/State_or_Province:/ NH

/Postal_Code:/ 03824

/Country:/ USA

/Contact_Voice_Telephone:/ (603) 862-1792

/Contact_Facsimile_Telephone:/ (603) 862-0188

/Contact_Electronic_Mail_Address:/ granit@unh.edu

/Hours_of_Service:/ 8:30 AM - 5:00 PM, EST

/Metadata_Standard_Name:/ FGDC Content Standards for Digital
Geospatial Metadata

/Metadata_Standard_Version:/ FGDC-STD-001-1998