Getting to know the NH GRANIT Data Mapper

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Presentation Overview

✓ Introduction to GRANIT
✓ Overview of the Data Mapper
✓ Future enhancements
✓ Hands on exercise
GRANIT - NH’s Statewide GIS Clearinghouse
UNH Complex Systems Research Center

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http://www.granit.unh.edu
What does GRANIT do?

- Create, archive, & distribute data
  - Conservation Lands updates, DFIRMs, Forest Stands
  - New GRANIT website

- Coordination & standards development
  - I93 Land Use
  - Metadata

- Applications & analysis
  - Impervious surface mapping
  - Wildlife Sightings Site

- Provide training and technical support
  - NH CommunityViz Technical Resource Center
Data Development/Updates

Digitizing

GPS

Scanning

Image Processing
Who uses GRANIT data?

✓ State government
✓ Federal agencies
✓ Municipalities
✓ Regional planning agencies

✓ Private sector
✓ Non-profit organizations
✓ Academic community
✓ YOU!

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GRANIT is a cooperative effort ...
A New Focus ...

NH GRANIT Data Mapper

Image Server

Web Map Server (WMS)

KMZ/KML for Google Earth
NH GRANIT Conservation/Public Lands

The NH GRANIT Conservation/Public Lands data layer contains acres that are mostly undeveloped and are protected from future development. The parcels or represent unique features, such as conservation lands included in the data layer.

Several "levels of protection" are recognized, as follows:

1) Permanent conservation land. Land protected from development through conservation easement, restrictions, or outright ownership by an organization or agency whose mission includes protecting land in perpetuity. More than 50% of area will remain undeveloped.

2) Unofficial conservation land. Land owned by an agency or organization whose mission is not conservation, but whose intent is to keep the land for conservation, passive recreation, or educational purposes. Not permanently protected.

2A) Water supply lands. Land owned or controlled by suppliers of public drinking water. Includes all supplies owned by a municipality or a subdivision of a municipality, and all private water systems that serve 500 people or more.

3) Unprotected public open space land.

4) Developed public land. Includes lands having active recreational use on more than 50% of the area, e.g., beaches, picnic areas.

5) Unknown.

Note that some properties included in the data layer are privately owned and not open for public access.

The Conservation/Public Lands data layer is updated periodically. Data gaps may occur if 1) a parcel has been protected since our last data update, or 2) a parcel was inadvertently overlooked during previous mapping phases. If you identify such gaps, please review the materials below and contact the NH GRANIT Conservation/Public Lands Data Manager.

Conservation/Public Lands data submission materials:

Conservation/Public Lands Data Standard
Tract Data Sheet
Tract Data Sheet Instructions
Map Atlas

This page contains a series of 8.5 x 11 statewide maps that are available for download.

- New Hampshire 4th Order & Higher Streams
- New Hampshire Statewide Map Atlas (8.5 x 11)

- New Hampshire Base Map
- New Hampshire Statewide Map Atlas (8.5 x 11)

- New Hampshire Conservation Lands
- New Hampshire Statewide Map Atlas (8.5 x 11)
Overview of the Data Mapper

✓ **Purpose:** The NH GRANIT Data Mapper is a web-based mapping tool offering New Hampshire’s communities, agencies and organizations, and the general public access to a comprehensive collection of geospatial data archived in GRANIT.

✓ **Funded by:** New Hampshire Charitable Foundation/New Hampshire GIS Conservation Collaborative

[http://mapper.granit.unh.edu](http://mapper.granit.unh.edu)
System Requirements

OS: Windows 98, 2000, XP, Vista
Browsers:
- Internet Explorer 5.5 or higher (with the exception of IE 7!)
- Firefox 1.5 or higher
- Netscape Communicator 7.1 or higher

OS: Linux
Browsers:
- Firefox 1.0.7 or higher

OS: Macintosh
Browsers:
- Firefox 1.0.6
- Camino 0.8.4
- Safari 2.0
System Requirements

Display
- Minimum screen resolution: 1024 x 768

Other
- WinZip, or equivalent software, for file download
- Flash 6.0 or greater (for viewing demonstration videos)
- Insure pop-up blocker is turned off!
"I work with the conservation commissions of over 78 municipalities and I use your program a lot and share it with them. It is a wonderful tool."
Steve Walker, Office of Energy and Planning

"Your sites’ aerial maps with roads and streams identified are very useful. Our service area is all of NH and VT. Is there a similar resource for maps in VT?"
Nancy Lyon, President, New England K-9 Search & Rescue, New London, NH

"This is a great site for sportsmen. I use your topos lots!"
Paul Antkow, 4thebrdz@adelphia.net

"I've just been playing with the system a little - we used a topo map as a background a few weeks back and I'm surprised at how much can be done with it."
Donna Moxley, Features Editor, Keene Sentinel
Some “basics” ...

The help system:
- General
- Context sensitive
- Videos

Concept of themes

Layers - Visible vs. Active

“Apply” button

Interactive tools

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Future Enhancements

- Maintenance of data layers - roads, conservation lands, soils, etc.
- New data sets - NAIP 2007
- New themes - Demographic/Census
- Additional map output formats
- Closer links to data distribution
- Redlining and geoprocessing

http://mapper.granit.unh.edu
Hands on Exercise ...

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Thank you!

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