

# Northern VT Parcel Mapping and Data Program

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What it is, Why it Matters, and Resources Available

Leslie Pelch, VT Center for Geographic Information

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# What We Will Talk About Today

- What is digital parcel data?
- Examples of how it can be useful to you
- What resources are available to towns to help them deal with acquiring or updating parcel maps and data?
- What funding is available to help acquire or update maps and data?
- Q&A

# What is Digital Parcel Data?

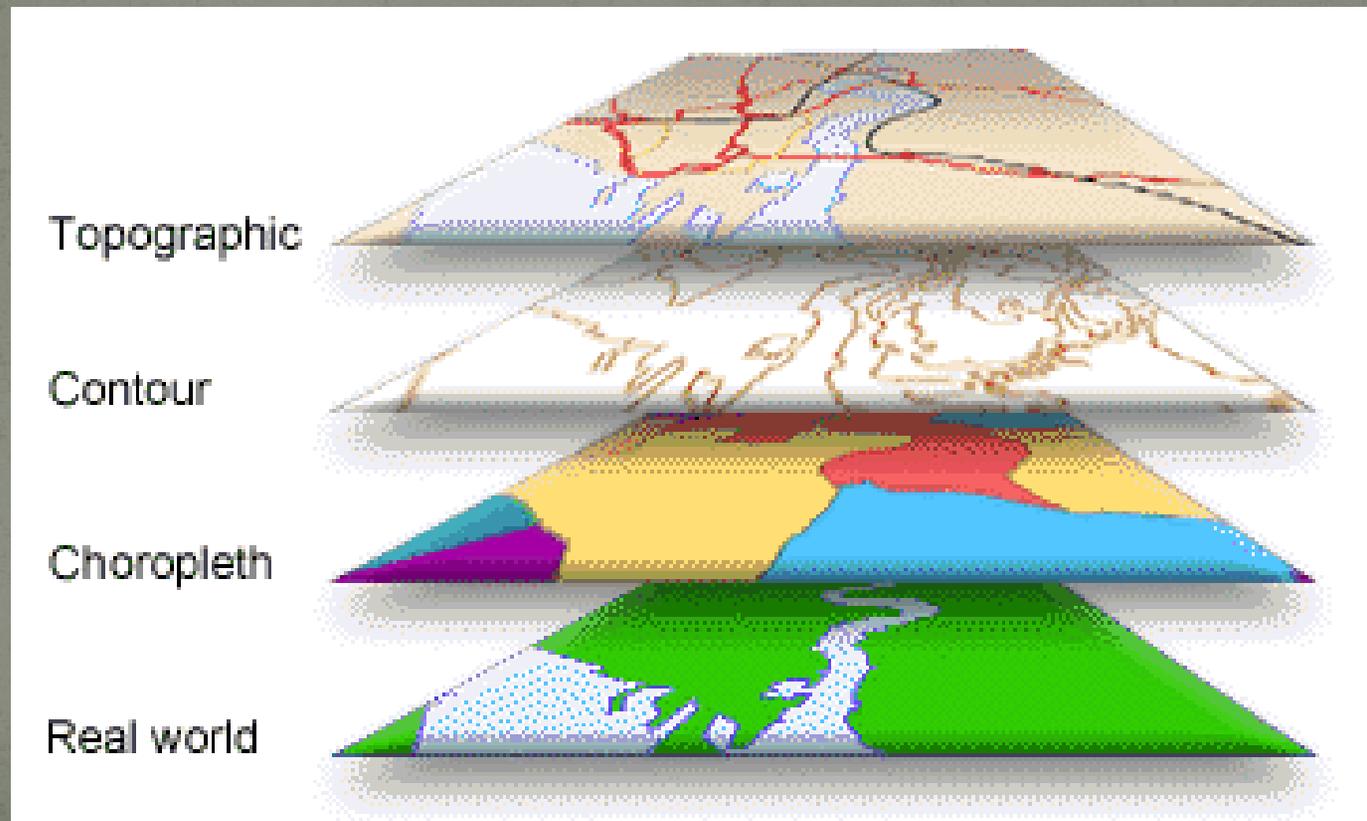


# What is Digital Parcel Data?

- A layer of parcel information that is stored in a GIS. Parcel data is the backbone of a community's GIS. A substantial amount of business processes, whether within government functions or within the private sector, can be related to a parcel data layer. It can be utilized for the process of real property assessment and visualizing an inventory of land records.
- A parcel data layer serves as a gateway to legal instruments (land records). While its accuracy is not survey grade (the parcels in the layer are graphical representations of land records), it can link to deed book references and assessment databases.
- A parcel data layer can also be linked to other systems. Each parcel of a parcel data layer typically has an assigned unique parcel ID within its underlying table of attributes. This allows parcels of a parcel data layer to be linked to other systems, such as a utility billing system, a real estate assessment database, or a re-zoning application.

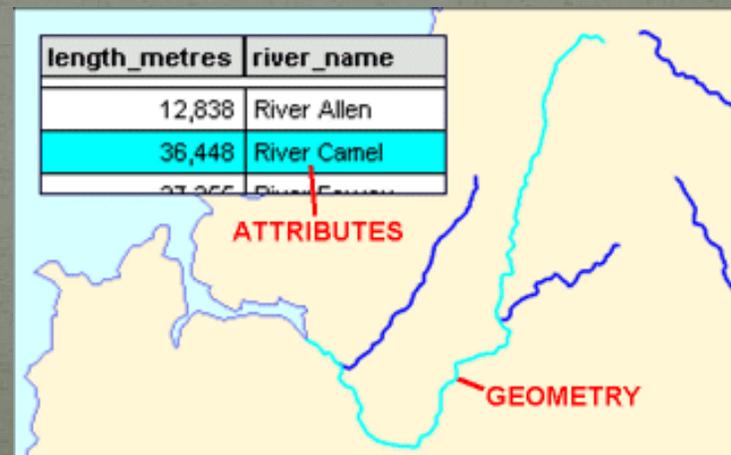
# What is GIS?

- Geospatial Information Systems
- Computer mapping!



# What is GIS?

- How is map information translated into digital form and read by a computer? The geographic information system (GIS) must be able to store information about:
  - The **geometry**: the shape and location of the objects
  - The **attributes**: the descriptive information known about the objects, normally displayed on a map through symbology and labels.



# An Example of Parcel Data in Use

The screenshot displays the CAI Query Manager Online interface for St. Johnsbury, VT. The main map shows several parcels with the following details:

Parcel ID	Area (Acres)	Notes
20	0.37 AcC	
65	0.35 AcC	
66	0.21 AcC	EXEMPT NORTH CONGREGATIONAL CHURCH
67	0.38 AcC	

The parcel 66 is highlighted with a red outline. A pop-up window titled "Avery5160 - 06356131-3eb6-4..." displays the following address information:

D & L REALTY LLC  
54 CLIFF ST  
ST JOHNSBURY, VT 05819

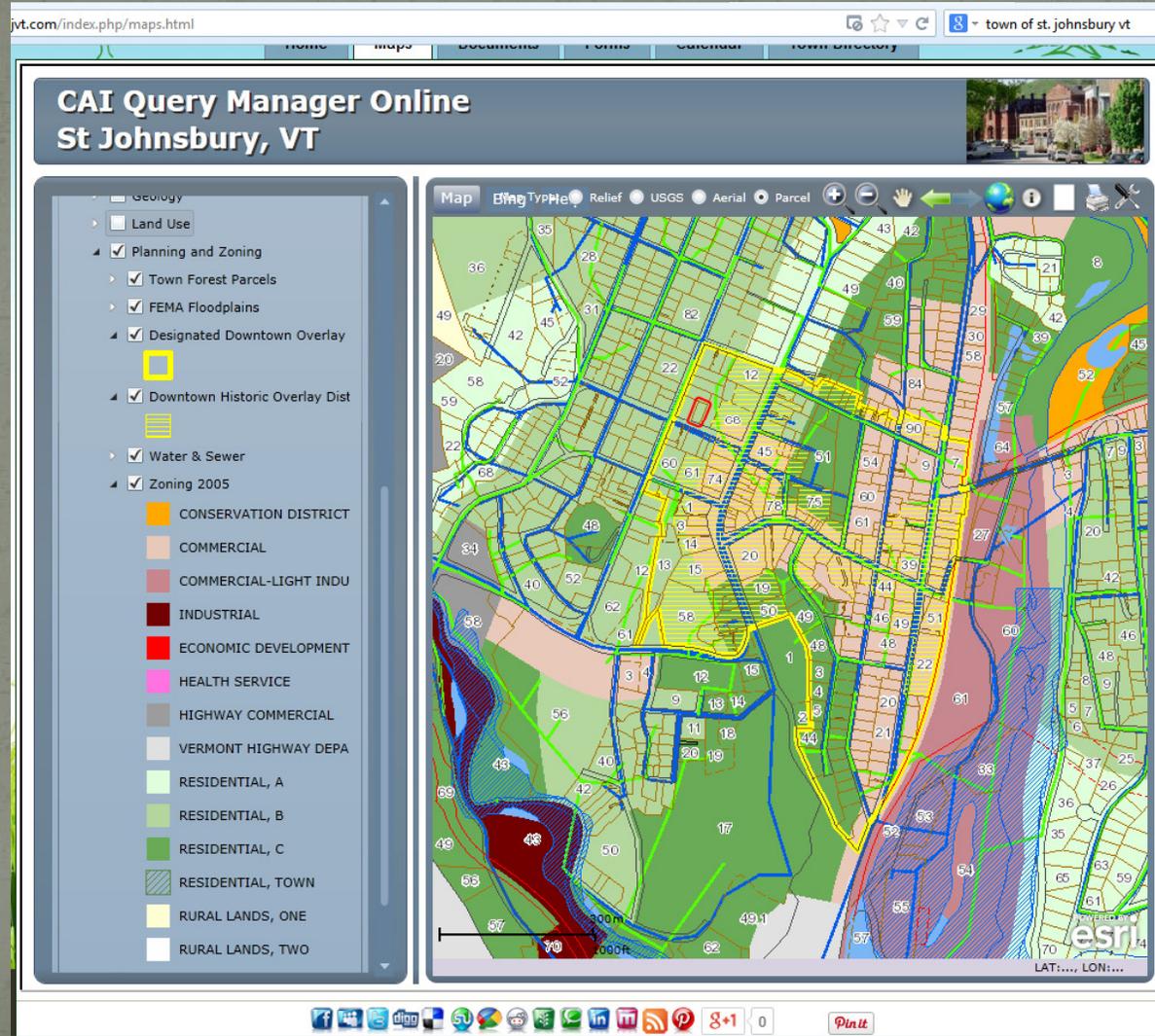
NORTH CONGRAC CHURCH  
1325 MAIN ST  
ST JOHNSBURY, VT

The interface includes a "MapLayers" panel on the left with the following checked items:

- St\_JohnsburyVT Public
  - Base Map
  - Countour Map
  - Hydrologic Features Map
  - Geology
  - Land Use
  - Planning and Zoning
  - Proposed Zoning Map
  - Town Interests Map

The "Map Details" panel shows the "Parcel" tab selected, with a photo of a house and "Abutters Tools" including a distance of 20 feet and buttons for "Add/Remove Selected", "Report", and "Mailing Labels". The property is identified as "64 CHURCH ST" with "Property Documents" data.

# An Example of Parcel Data in Use



# An Example of Parcel Data in Use

vt.com/index.php/maps.html

town of st. johnsbury vt

## CAI Query Manager Online St Johnsbury, VT

MapLayers

Quick Maps: Base Map

- St\_JohnsburyVT Public
  - Base Map
  - Countour Map
  - Hydrologic Features Map
  - Geology
  - Land Use
    - Farms
    - Current Use
    - Land Cover
      - AGRICULTURE
      - BRUSH & TRANSITION
      - FOREST
      - BARREN LAND
      - URBAN BUILT UP
      - WATER
      - WETLANDS
  - Planning and Zoning
  - Proposed Zoning Map
  - Town Interests Map

Map Details

Map Bing Help Map Type: Aerial Parcel

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# ANR Atlas:

<http://anrmaps.vermont.gov/websites/anra/>

The screenshot displays the ANR Atlas web application interface. The browser address bar shows the URL [anrmaps.vermont.gov/websites/anra/](http://anrmaps.vermont.gov/websites/anra/) and the page title is "town of st. johnsbury vt". The application header features the "VERMONT Natural Resources Atlas" logo and the text "Vermont Agency of Natural Resources".

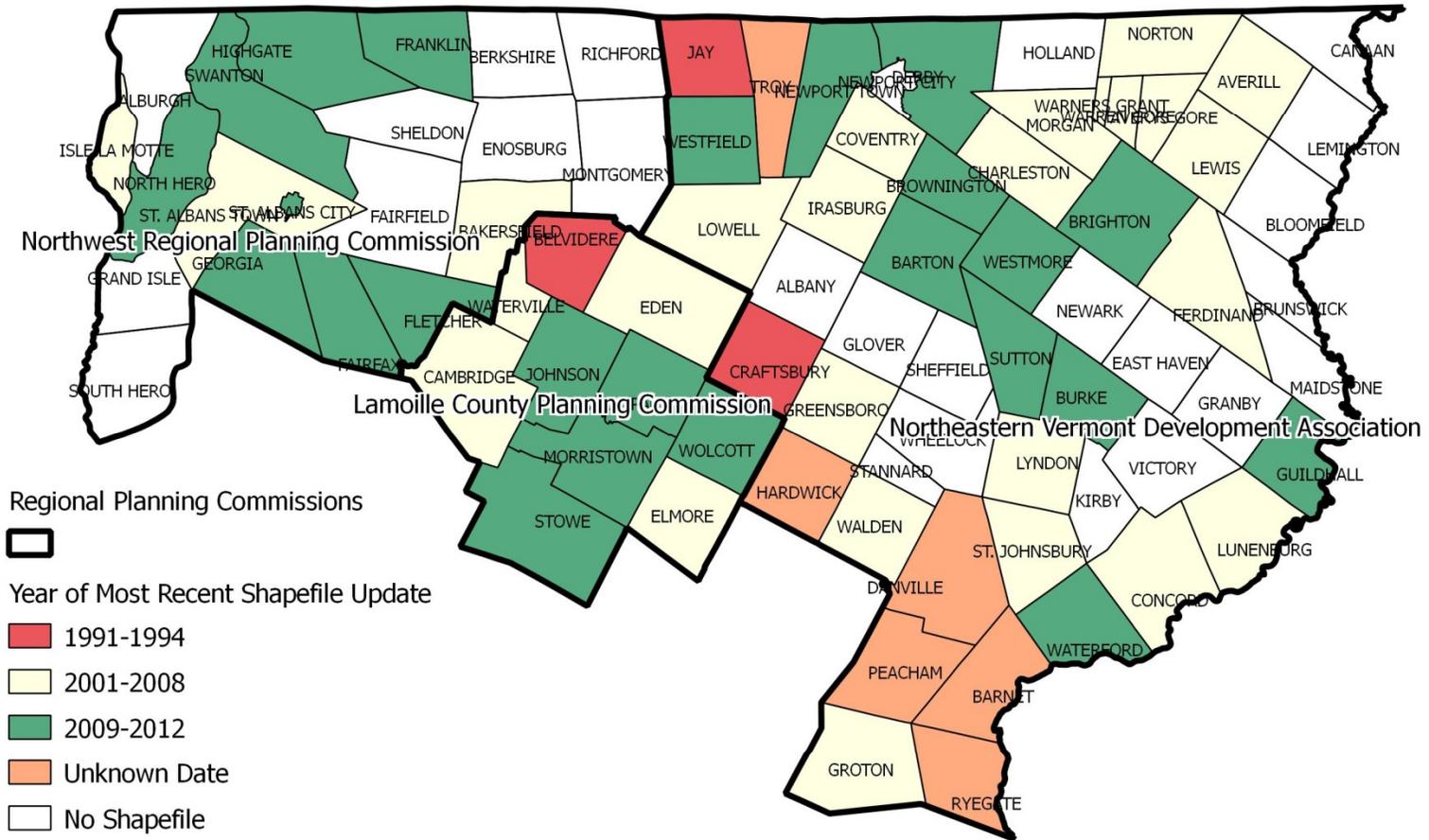
The interface includes a navigation toolbar with icons for Home, Show Layers, Layer Drawing Order, Enable Map Tips, Print Map, Export Map, Pan, Zoom In, Zoom Out, Zoom to Town, Full Extent, Previous Extent, Help, What's This?, Atlas Orientation Video, Atlas Release Notes, Contact Us, and ANRA Disclaimer. Below the toolbar is a "Map Layers" panel with a "Quick Tools..." dropdown and an "Atlas Layers" dropdown.

The "Map Layers" panel is expanded, showing a list of layers under the "Operational Layers" section. The "ANR Atlas Layers" section is checked, and the following layers are visible:

- Contours - VCGI Map Service
- ANR Atlas Layers
  - Waste Management
  - Fish and Wildlife
  - Watershed Protection
  - Geology
  - Drinking Water and Groundwater Protection
  - Forests Parks and Recreation
- ANR Basemap Data
  - Buildings (E911)
  - Act250 Permits \*\*INCOMPLETE\*\*
  - Railroads
  - Roads
  - Waterbody
  - Stream
- Watershed Boundary Dataset
  - Parcels (where available)

The main map area shows an aerial view of Burke Hollow, Vermont, with a dense network of red lines representing parcel boundaries. The text "Burke Hollow" is overlaid on the map. A "Show Legend" button is located at the bottom left of the map area, and a "Filter..." button is at the bottom right. The footer contains a "Natural Resources Atlas - HOME" link and a "Map Layers" button.

# Northern Vermont Parcel Shapefile Status 2013



Information Reported by Regional Planning Commissions

# Resources Available to Help

- VT GIS Parcel Data Standard
  - Technical specifications
  - Specifies attributes to include and their values
- VT GIS Parcel Mapping Guideline
  - Description of the process
  - Templates for RFP, Contract, Etc.

# Funding Available To Support Parcel Mapping?

- Municipal Planning Grants – ACCD
  - Key is to include parcel mapping or data creation as part of a planning project. Very related to development or update of zoning, for instance
- Northern VT Parcel Data Program – VCGI & RPCs
  - Funded by NBRC
  - One year only
  - Administered by VCGI
  - Support provided by RPCs
- Statewide Parcel Data Program?

# Contact Information

- Leslie Pelch, VCGI, 802-882-3002, [lesliep at vcgi dot org](mailto:lesliep@vcgi.org)
- Lamoille – contact Melinda Scott, 888-4548, [melinda@lcpcvt.org](mailto:melinda@lcpcvt.org)
- Orleans, Caledonia, and Essex Counties – contact Tracy McIntyre, 748-5181, [gis@nvda.net](mailto:gis@nvda.net)
- Grand Isle & Franklin Counties – contact Bethany Remmers, 524-5958, [bethany@nrpcvt.com](mailto:bethany@nrpcvt.com)

Your Question and Comments!