

Planning with Geospatial Information Systems

NYS Tug Hill Commission

Katie Malinowski, Associate Director of Natural Resources

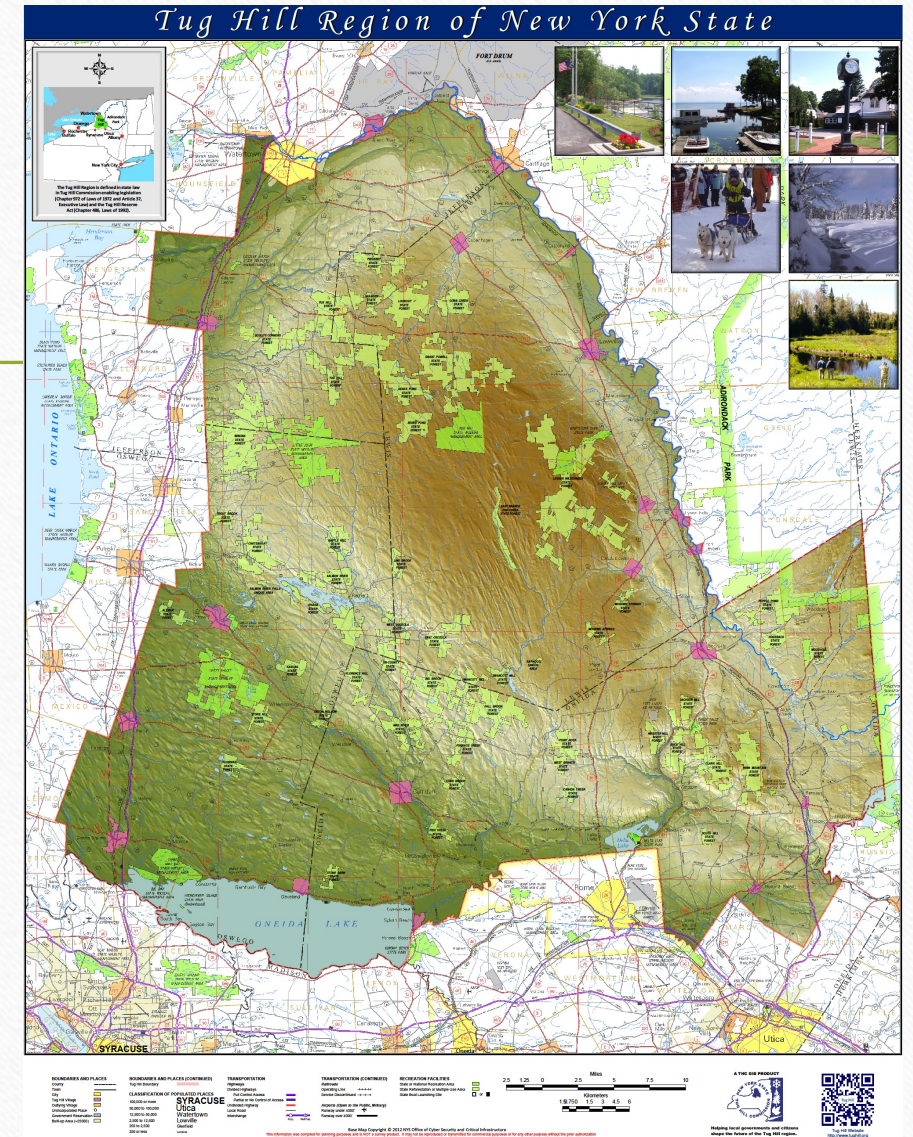
Mickey Dietrich, GIS Specialist

April 24, 2014

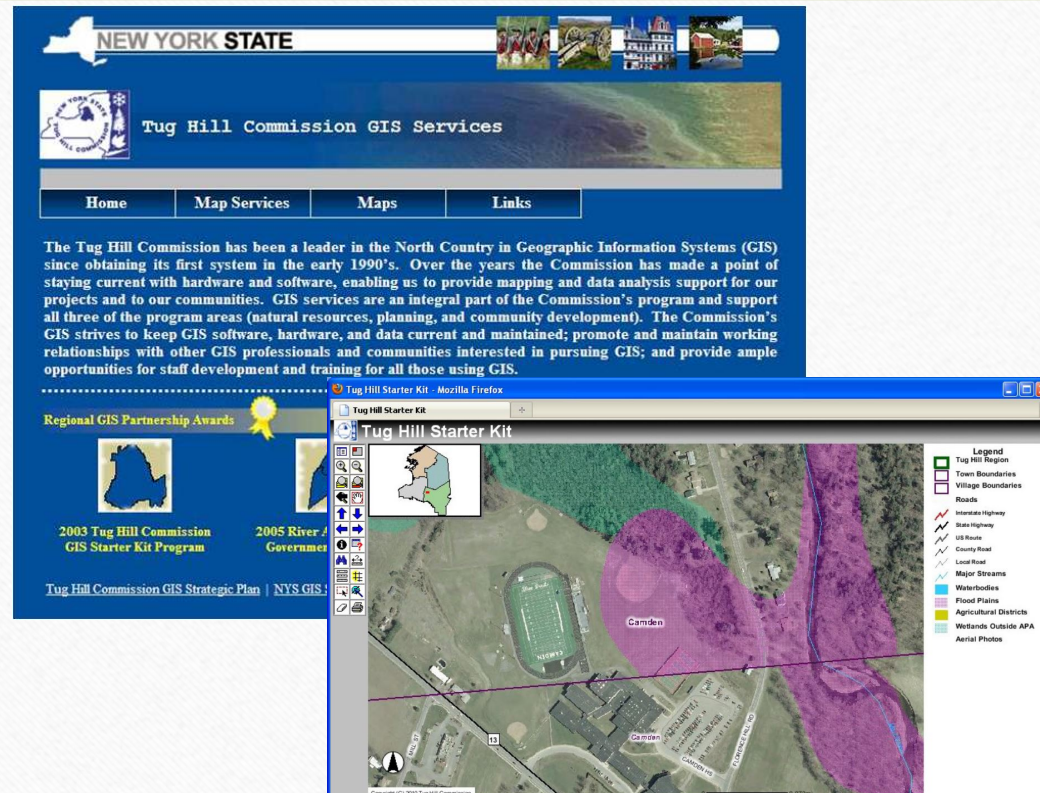
Minnowbrook Conference Center, Blue Mountain Lake, NY

The Tug Hill Region

- Concerns over the region's economy and working forest lands led to creation of the New York State Tug Hill Commission in 1972
- "The purpose of the Commission is to enable local governments, private organizations, and individuals to shape the future of the Tug Hill region, and to demonstrate and communicate ways that this can be done by other rural areas. Commission programs are geared toward the conservation and productive use of the natural resources of the region, strengthening the long-term economy, employment, cultural and social resources, and the general well-being of the rural communities." -Executive Law Article 37, Section 847-a – Statement of legislative findings and purpose; Chapter 440 of the Laws of 1998.



History of the Commission's GIS



Local assistance that leverages conservation



1 Planning

- Comprehensive planning & community surveys
- Local law & ordinance preparation
- Special Areas
- Training



2 Natural Resources

- Watershed planning and restoration projects
- Recreation projects
- Regional natural resources issues and partnerships



3 Community Development

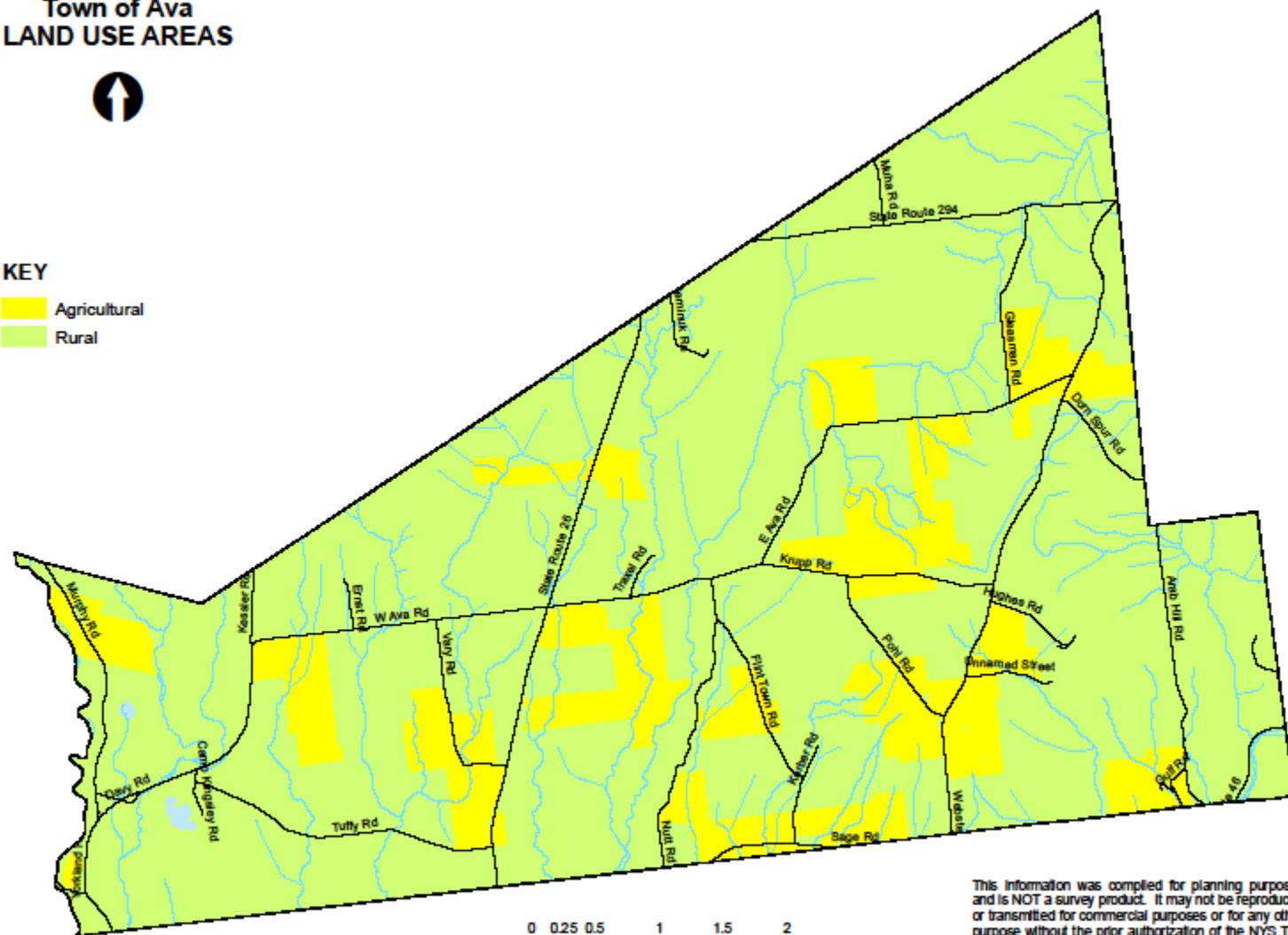
- Main Street revitalization
- Historic preservation
- Infrastructure management
- Grant writing

Town of Ava LAND USE AREAS



KEY

- Agricultural
- Rural

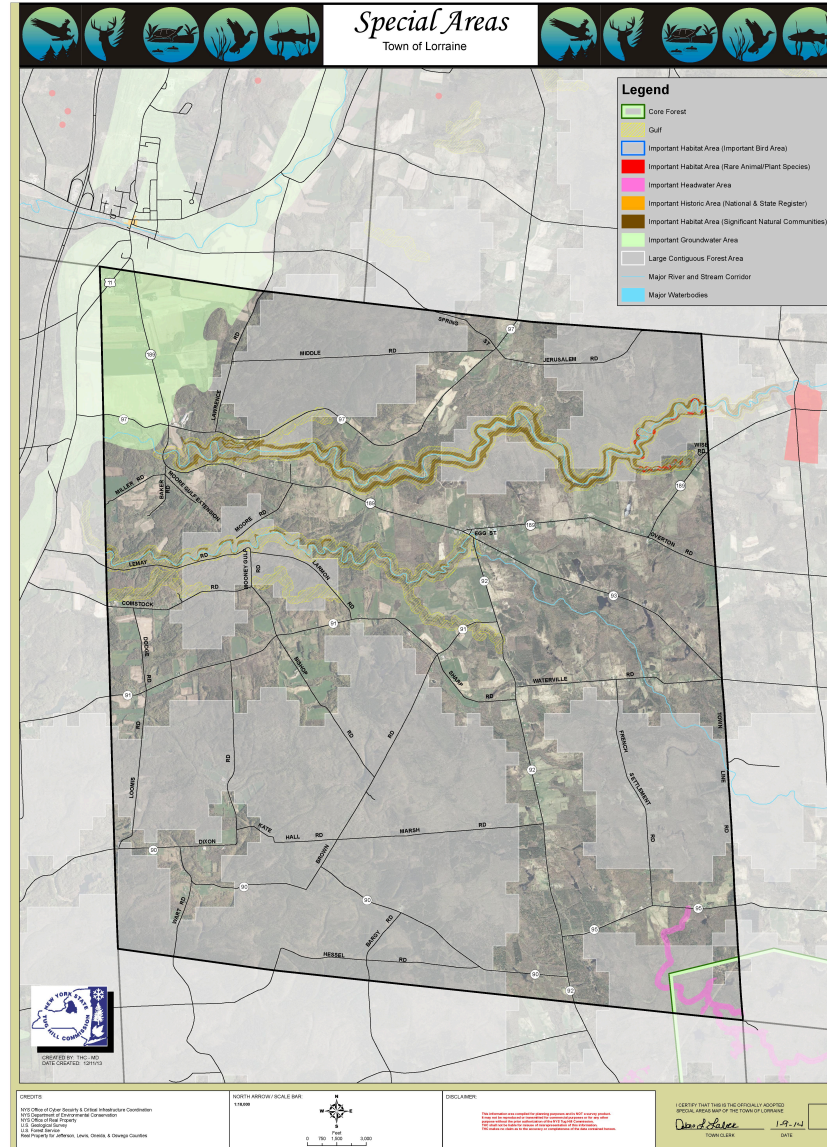


0 0.25 0.5 1 1.5 2
Miles

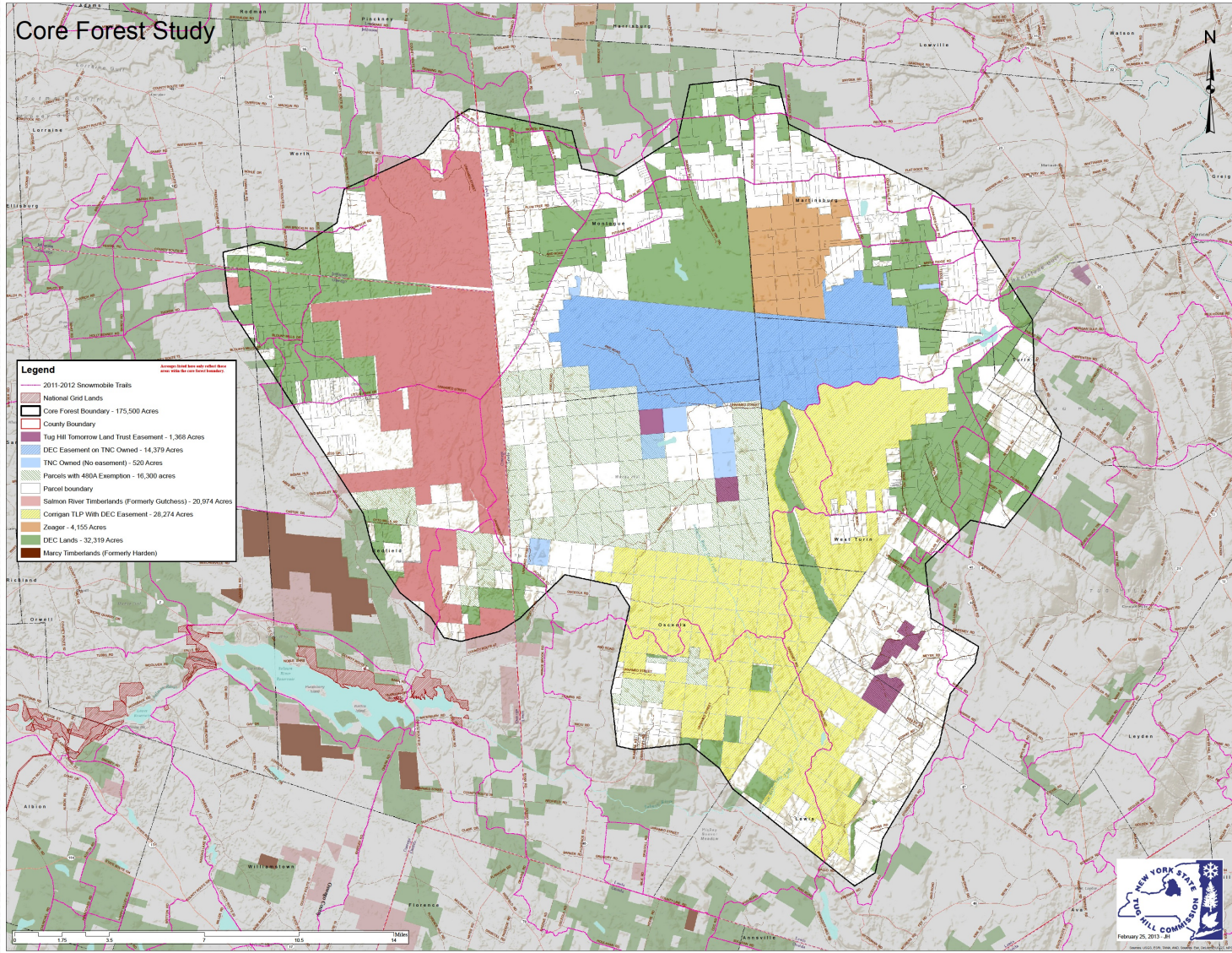
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Legend



Core Forest Study



on local land use planning; partnering with state, county, and town transportation/highway departments on ways to make roads easier for wildlife to cross; and engaging interested private landowners in land protection efforts.



a well field for a paper company, purchase of those wells for expanded municipal water systems, a proposed water bottling operation, and declining yields from an aging well field at the state fish hatchery. There are concerns about increased long-term development over the aquifer. Local and state governments, commercial, farming, and individual water users need information to understand what effects these activities may have on the aquifer and how to sustain this resource in support of future growth and economic development.

The latest update presentation was given by USGS on April 7, 2014. Click [Tug Hill Aquifer Progress April 7, 2014](#) to view the powerpoint.

The previous update was in February 2012. For that presentation, please click this [Tug Hill Aquifer Status Meeting, February 28, 2012](#)





Grange Ave

Grange Ave

37 East Church St.



The Brick Mansion (long the community name) is a Georgian Colonial that was Jefferson County's first bank, a girls school from 1829-33 and also in 1856. From 1833-52 it was owned by the Doxtaters, whose pioneer relative Peter, had the first land deed in Adams. In 1931 it was called the Whittier House. They were relatives of the poet, John Greenleaf Whittier. It was later made into apartments by Otis Edgar and later had the windows replaced.

[Edit](#) [Copy](#) [Move](#) [Delete](#) [Directions](#) [Zoom](#)

S Park St

Church St E

Church St

Church St E

War



Town of Martinsburg

Lewis County

Official Road Map

Town of Hanaburg

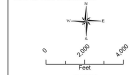
Total Mileage: 80.17 Miles



Legend

— Town Road

North Arrow/Scale

[Overview County Map](#)

Town of Martinsburg
New York

Approved by Town of Martinsburg
Superintendent of Highways.

Tyler Jones

3/20/13
Date Adopted

[Overview Town Map](#)

Map Credits



Created By: THC/Mickey Dietrich
Date Created: 03/06/13
Date Updated: 03/11/13

	Data Credits
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Town of Martinsburg
NYS Tug Hill Commission
NYS Office of Cyber Security
NYS Department of Transportation



Joint Infrastructure Management Initiative (JIMI)

Cartagraph



Requests

Work

Assets

Resources

Reports



Mickey



ID:

Back Home > Work > Work Order: 11-0001



Create +



Run Report



Actions

Work Order 11-0001

Snow Plowing

Owner



Dan Trembley

Status

In Progress

Complete Work Order

60 Total Tasks 60 Complete

Progress 100%

Total Cost
\$80,819

Labor

Cost
\$36,408

Equipment

Cost
\$29,585

Material

Cost
\$14,826

Other

Cost
\$0

☒ Work Order Tasks

Work Order Tasks

☒ Details

☒ Labor

☒ Equipment

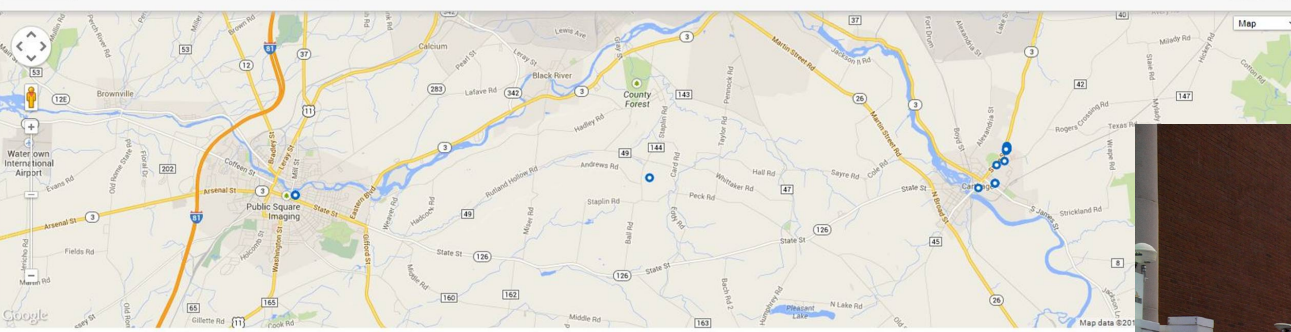
☒ Materials

☒ Other

☒ Attached Files

Map Filter

Search by address

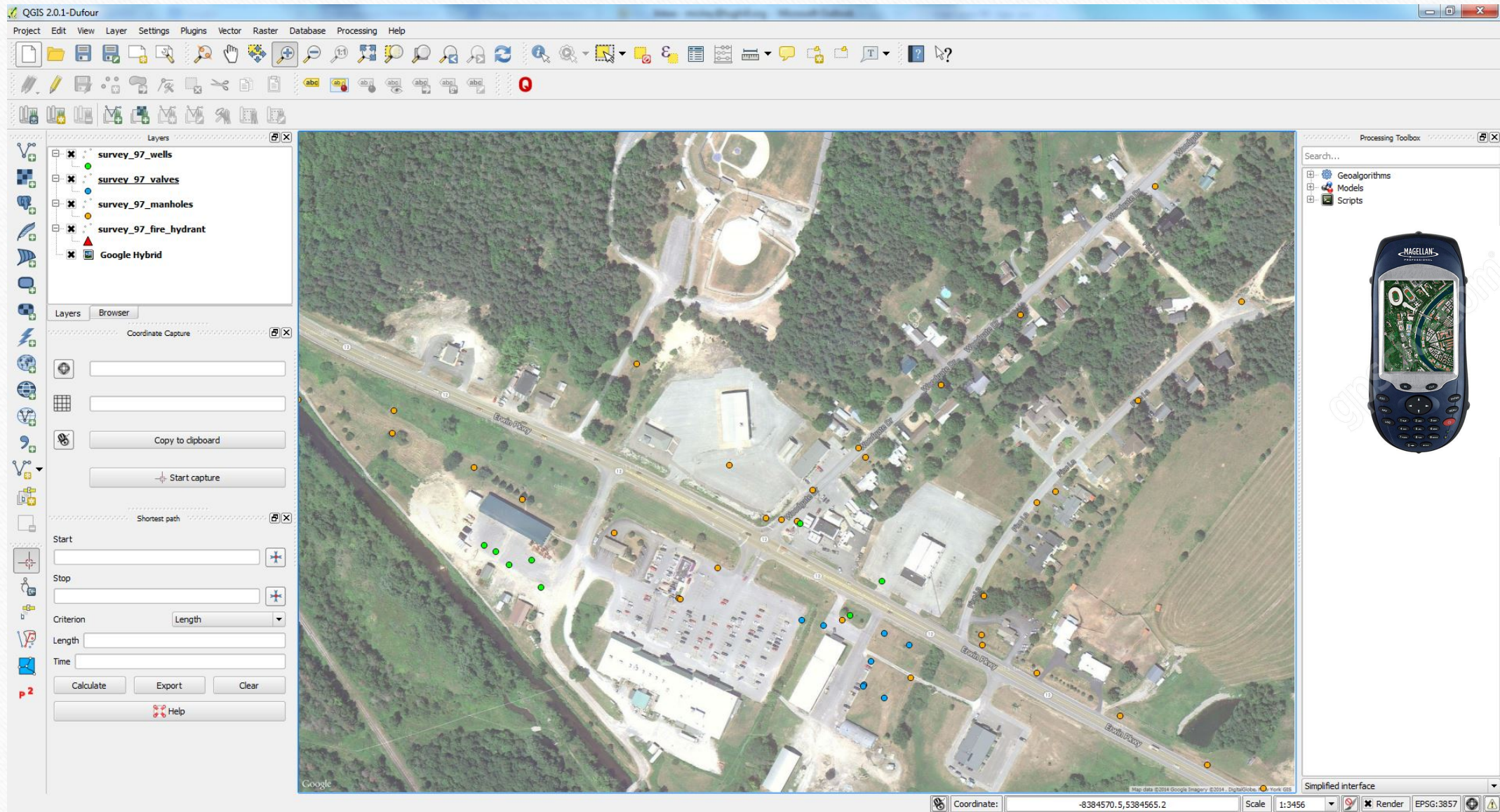


Tasks

☐ Task ID Activity Priority Status Estimated Start Date Estimated Stop Date Actual Start Date

Actions





Resources



<https://gis.ny.gov/>

- Best Resource
- Data Sharing Cooperative/Data Repository
- Outreach
- Guidelines
- Aerial Imagery (Orthoimagery)
- Help Desk



<https://data.ny.gov/>

- Data Repository
- Economic Development Generator



<http://cugir.mannlib.cornell.edu/>

- Data Repository
- Easy Access to Some Datasets



<http://www.nysgis.net/>

- NYS GIS Membership Site (\$10/Year)
- Webinars, Training, Resources, Etc.

GPS Units



Recreational



Mapping



Survey

New Technology

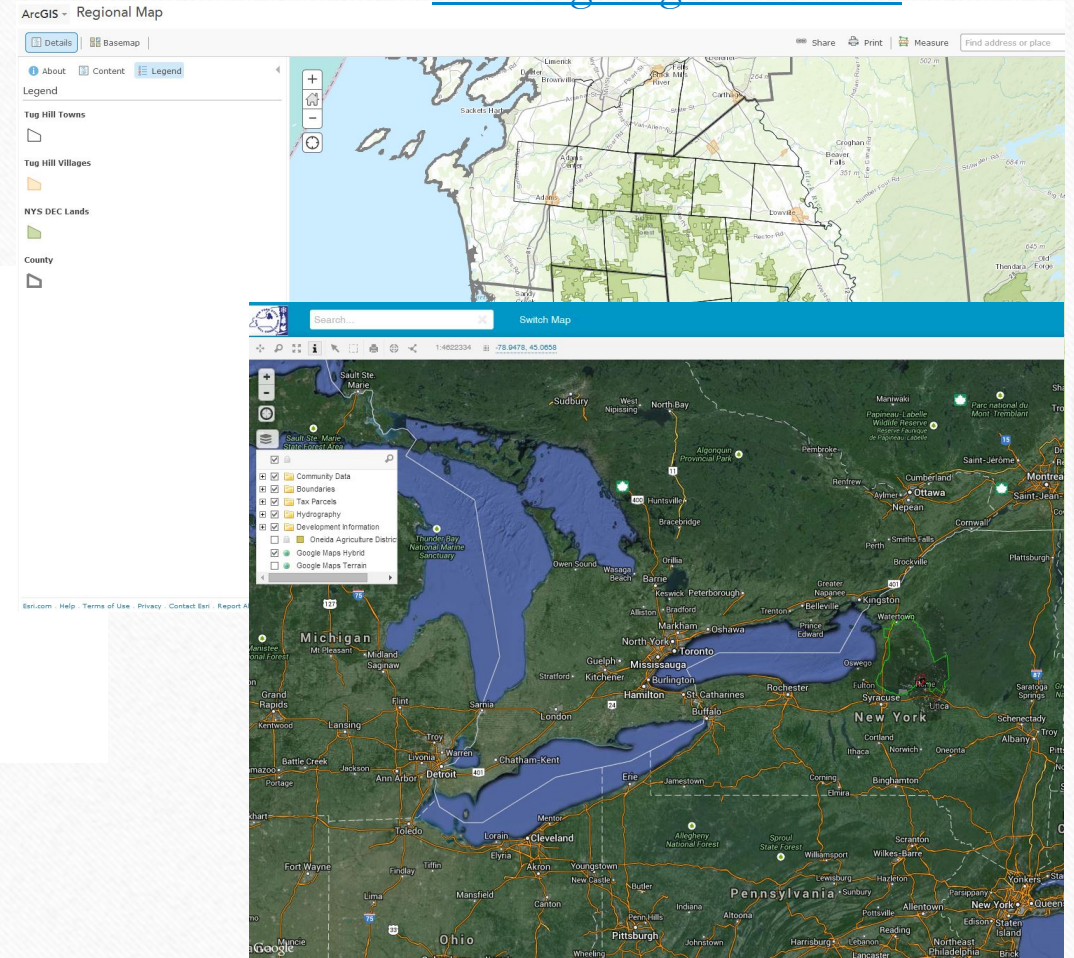


Tablet



Smartphone

www.tughill.giscloud.com



Cloud Applications

How To Get Started?

(The products listed here are only for reference.)

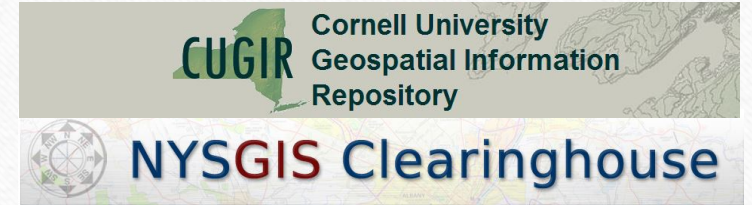


Resources



<http://www.qgis.org/>

Free/Low Cost Solution



Data Acquisition



Data Collection



Data Analysis



Questions?

