

Recreation, Heritage and Identifying Conservation Lands – Analysis and Strategies



1. open space planning

Town of Skaneateles Open Space Plan





What is an Open Space Plan?

- **A strategy to preserve unique and valued open space from loss to development; to mitigate pollution and erosion, and to preserve and improve water quality**
- **Protection of areas that define community character**
- **Inventory of scenic views, agricultural soils, forests, unique ecosystems and important wildlife habitats**
- **A guide for municipal leaders to promote wise land use decisions**



Who Participates?

A Local Open Space Planning Committee
CNY RPDB

County, State and Federal agencies
community groups, non-profits, town historian,
agricultural community and other land owners

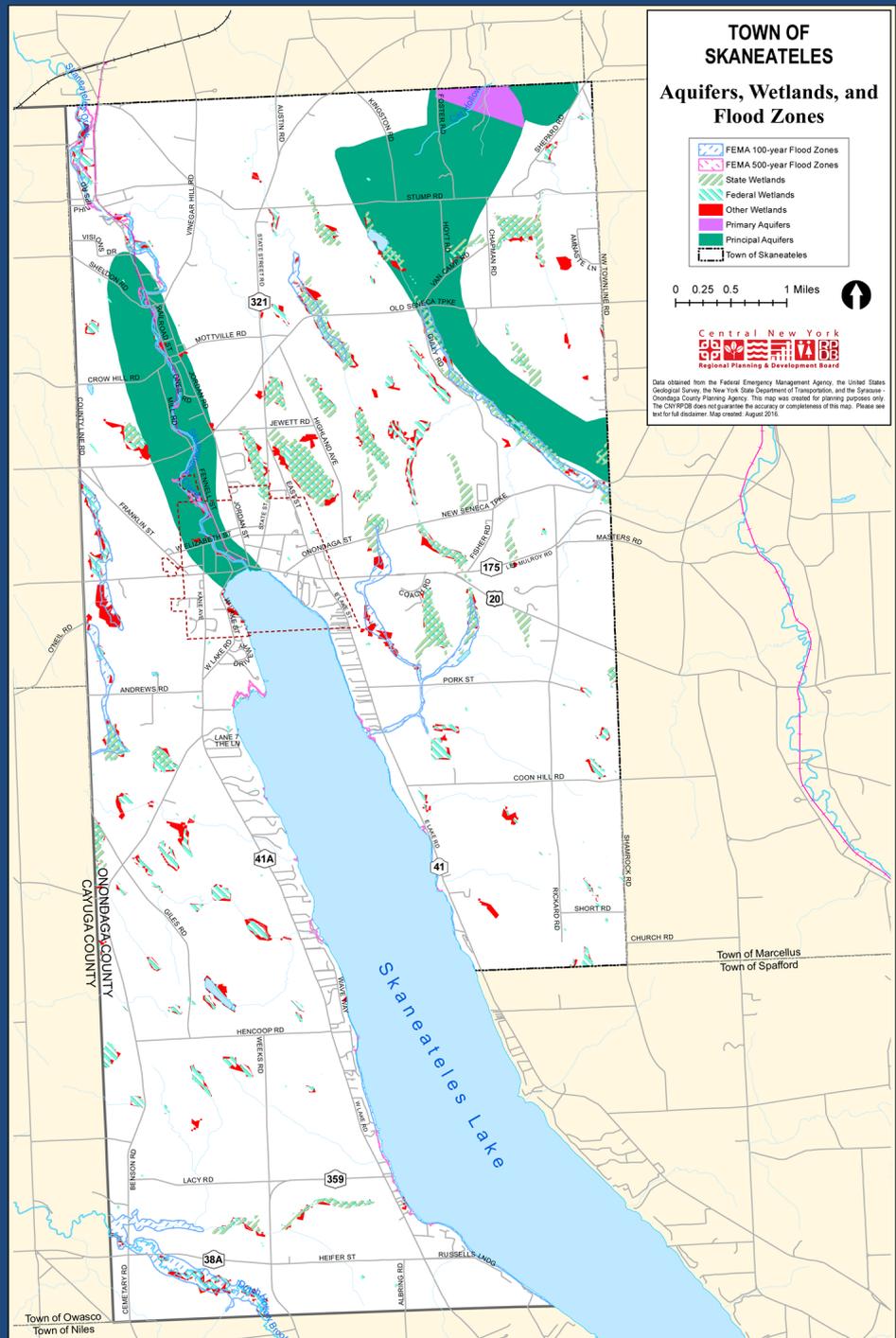


Open Space Planning Goals

- Preserve and protect areas with natural and cultural significance
- Protect water resources
- Identify ways to finance open space preservation
- Protect farmland and the scenic rural-agrarian landscape
- Plan for a network of recreational trails and educational opportunities

Maps Are Created Using GIS

- Land use
- Protected parcels
- Watershed
- Soils
- Wetlands
- Slope
- Sewer and water districts
- Historic sites
- Forests
- Trails
- Viewsheds



Some Key Objectives in Identifying Conservation Value

- **protect open space and agricultural lands**
- **protect lake water quality**
- **preserve significant blocks of beneficial wildlife habitat lands that have potential to serve as nature recreation areas**





Qualities the Community Identified as Important

- open space
- agricultural lands
- lake water quality
- beneficial wildlife habitat
- nature recreation



Important Conservation Value Criteria Are Used to Prioritize Parcels

Quality of agricultural land

Parcel Size

In the Skaneateles Lake Watershed

Feet of lake shore

Proximity of the parcel to protected lands

Proximity of the parcel to active recreation

Average slopes on the parcel

Feet of stream corridor

Proximity of the parcel to an existing public water or sewer line

Length of road frontage in feet

Acres forested

Wetlands

Historically significant structure or landscape

Proximity of the parcel to a sewer or water district

Quality and extent of the public viewshed assessed at roadside

Quality of Agricultural Land?

[Farmland protection & agriculture viability]

Parcel Size?

[Open space preservation]

Location in the Skaneateles Lake Watershed?

[Water quality protection]

Length of Lake Shoreline?

[Water quality & access]

Proximity to Active Recreation Lands?

[Outdoor recreation & health opportunities]

Pre-dominant Average % Slopes?

[Erosion & water quality protection]

Proximity to Existing Public Water or Sewer line?

[Walkable community & open space preservation]

Proximity to Existing Public Water or Sewer District?

[Walkable community & open space preservation]

Length of Stream corridor?

[Erosion & water quality protection]

Length of Road Frontage?

[Open space & watershed protection]

Acres Forested?

[Water quality habitat & ecology protection]

Contains Wetlands outside State or Federal delineations?

[Water quality habitat & ecology protection]

Historical Significance?

[Cultural preservation]

Quality and Extent of Public Viewshed?

[Scenic view preservation]

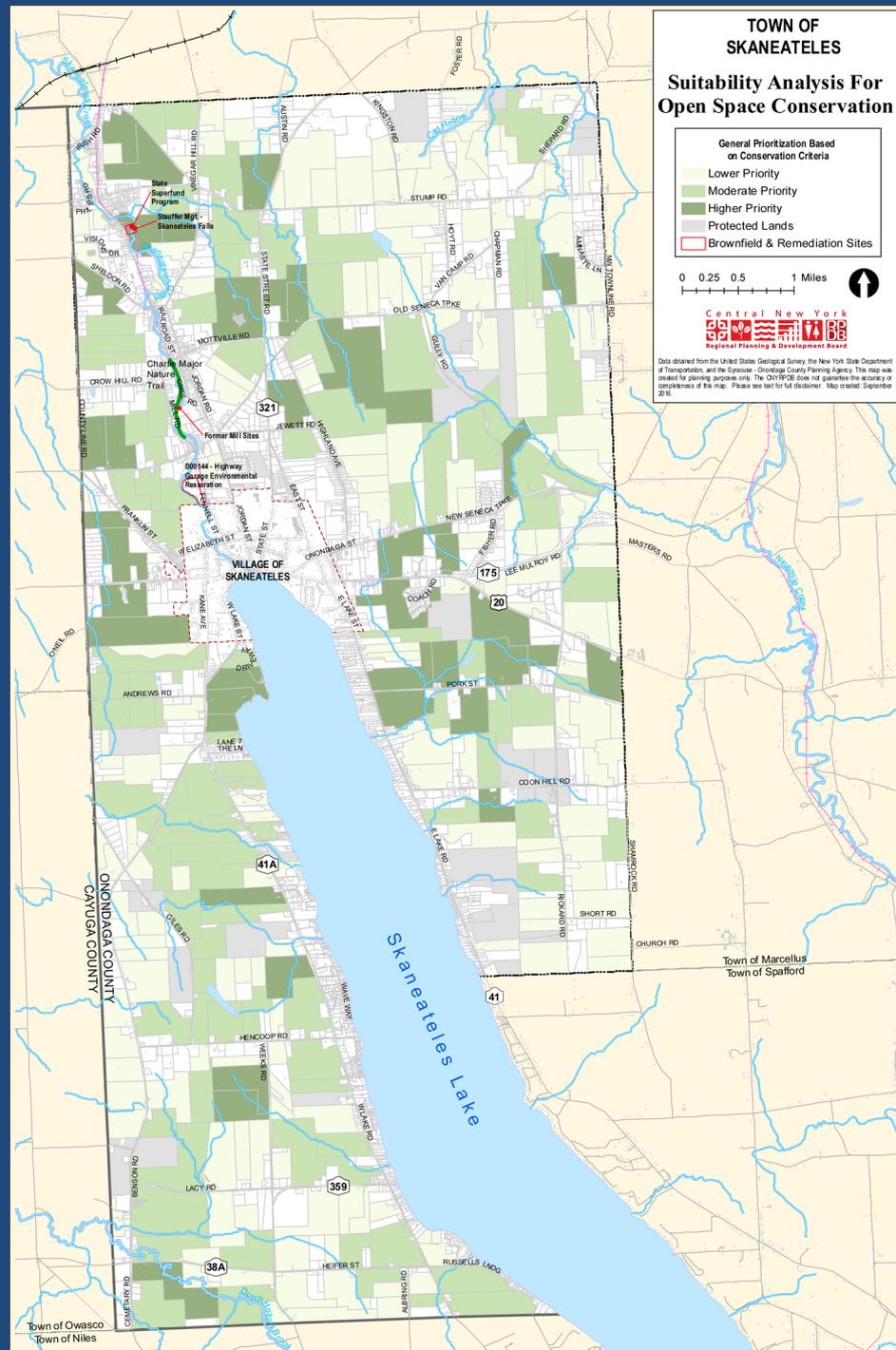
Proximity to Protected and Public Land?

[Wildlife, open spaces & access]

Mapping Results in

'Suitability Analysis for Open Space Conservation'

prioritizing parcels most appropriate for conservation



The Open Space Plan and Maps are Intended to:

- Inform good decision-making for development and opportunities to conserve lands
- However; other factors beyond the scope of the Open Space Plan need to be considered in conservation decisions, including:
 - availability of lands
 - cost
 - value to the community

An Open Space Plan is one tool to help a Municipality in making these decisions

Implementing an Open Space Plan

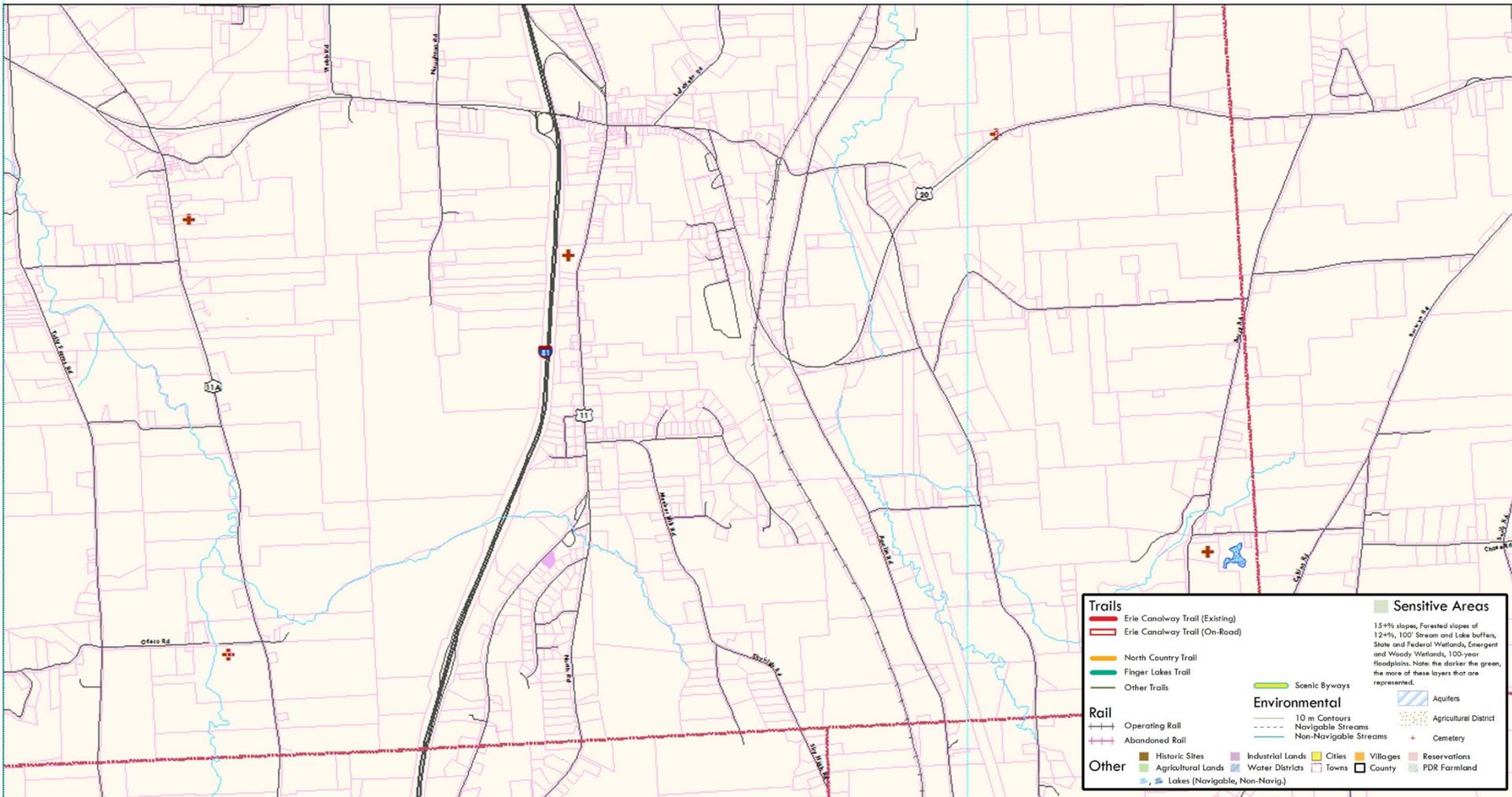
- Pursue funding such as an **Open Space Fund** to purchase conservation easements. Publicize the Fund's availability and intended use, and encourage financial and land donations from the public.
- Pursue dedicated funding for conservation such as a **Real Estate Transfer Tax**.
- Encourage Local, State and Federal governments, and the private sector to secure land through the acquisition of **Conservation Easements**.
- Collaborate with local land trusts.
- Use an *Open Space Conservation Land Prioritization Model*, or *Community Map of Potential Conservation Lands*, weighing costs and public benefits to identify priority parcels.
- Identify and develop trails and bikeways that incorporate and connect natural features such as the stream corridors, forests, and lake shore areas.
- Use **Green Infrastructure** to reduce stormwater runoff and pollution loading to waterways (implement stream and lake shore buffers; protect steep slopes)



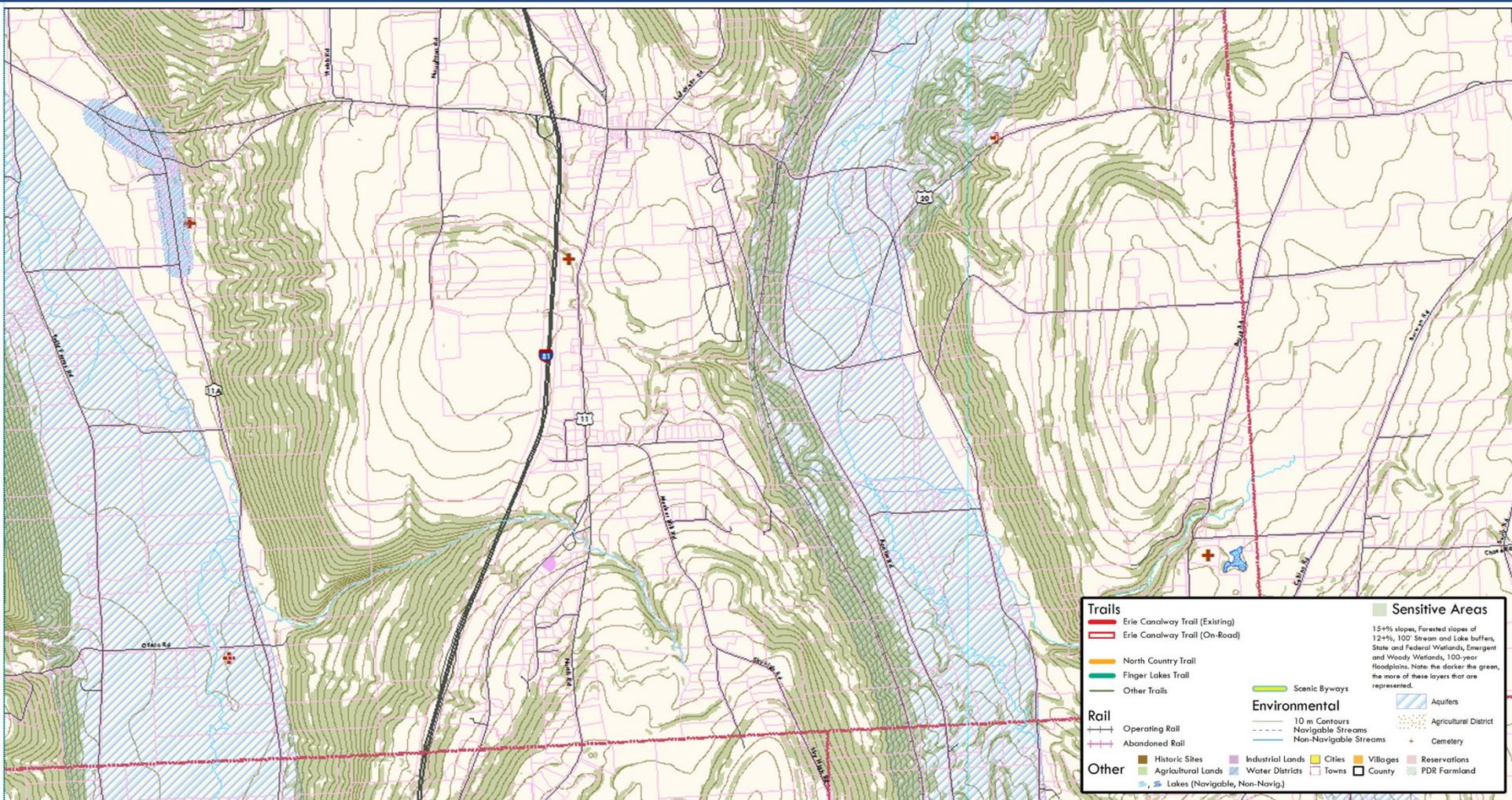
Preserve your community's open space legacy.

2. a tool for open space planning

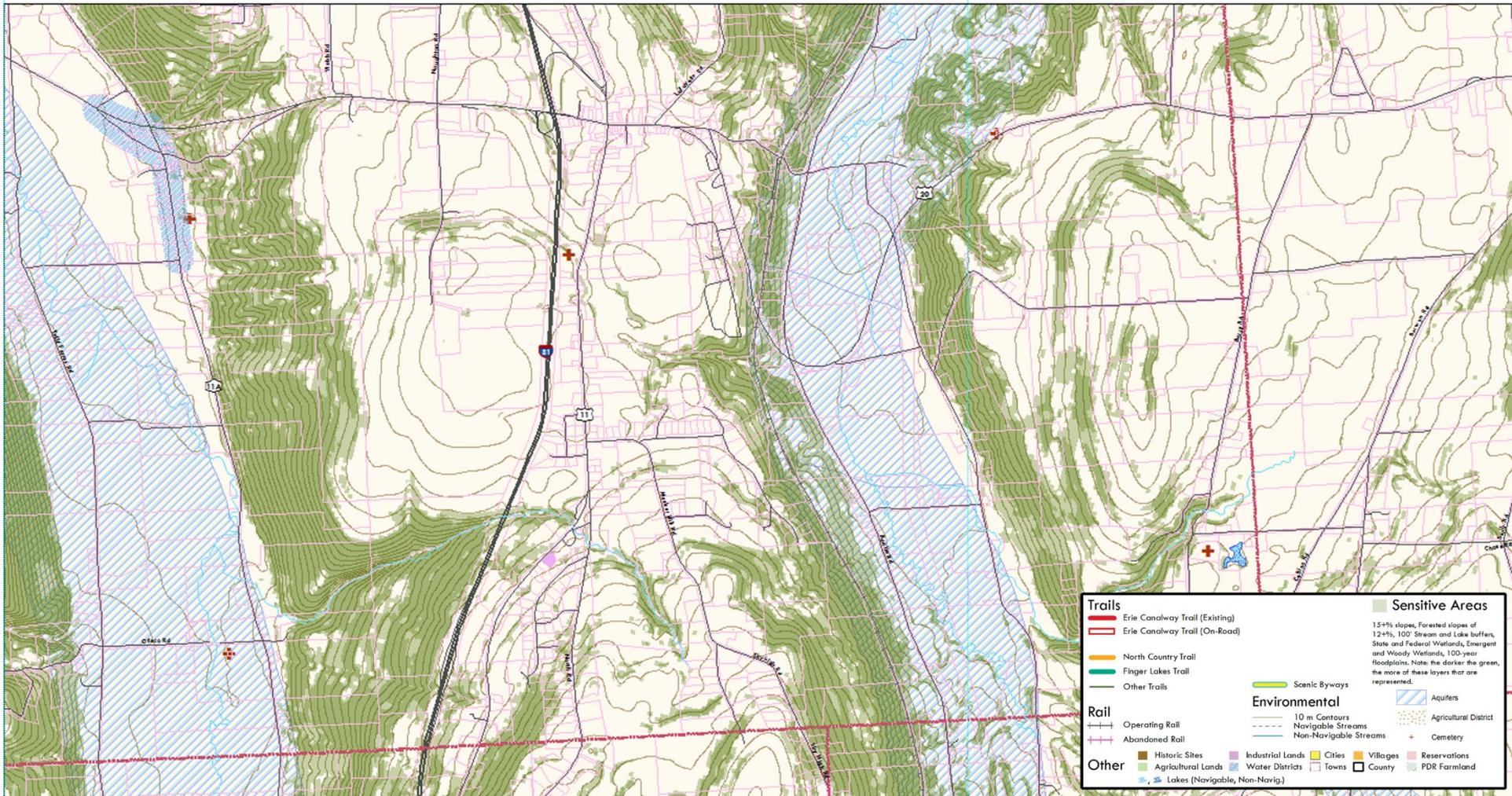
Parcels, Streams & Cemeteries



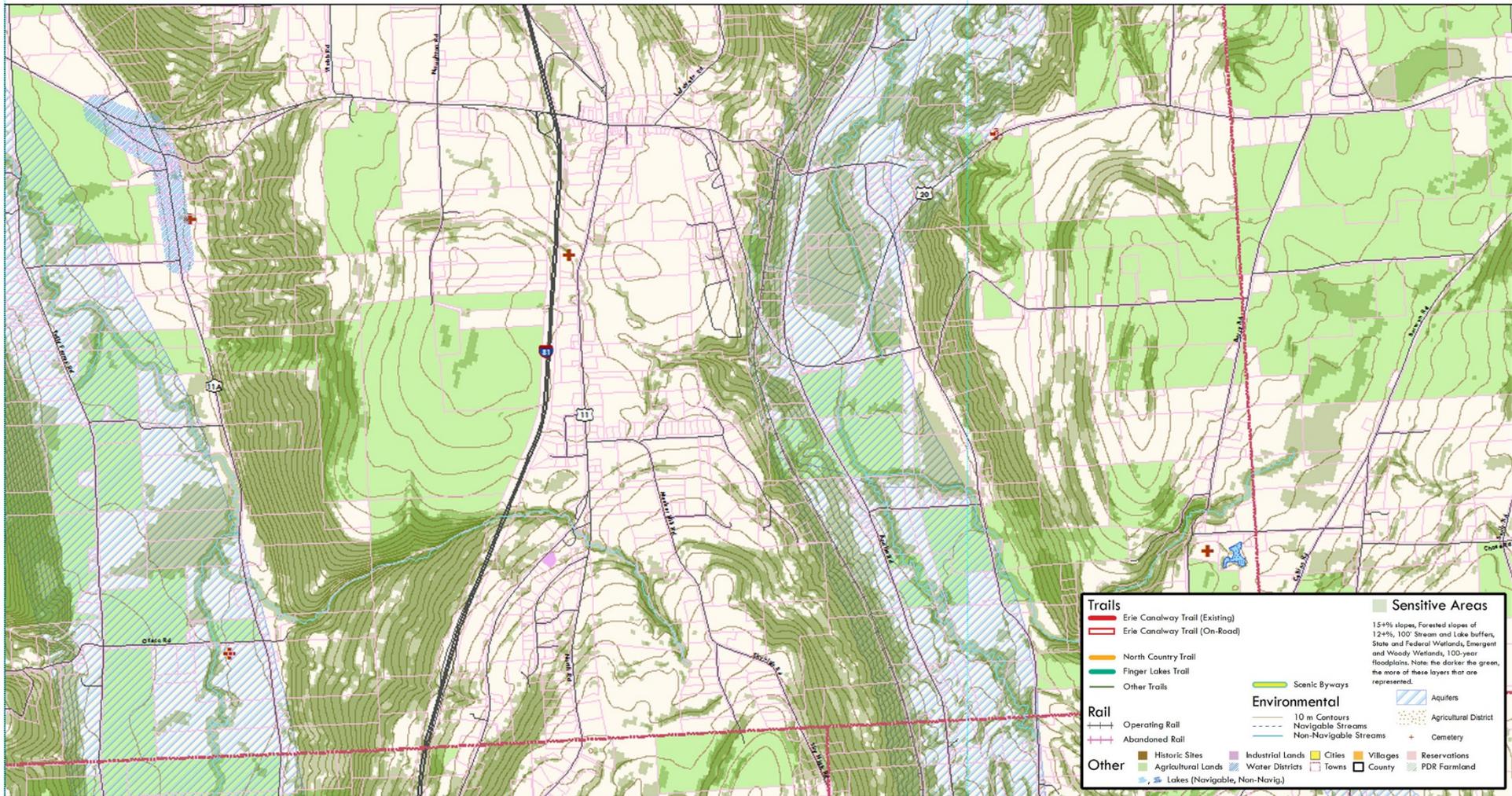
Topography & Steep Slopes (15%+)



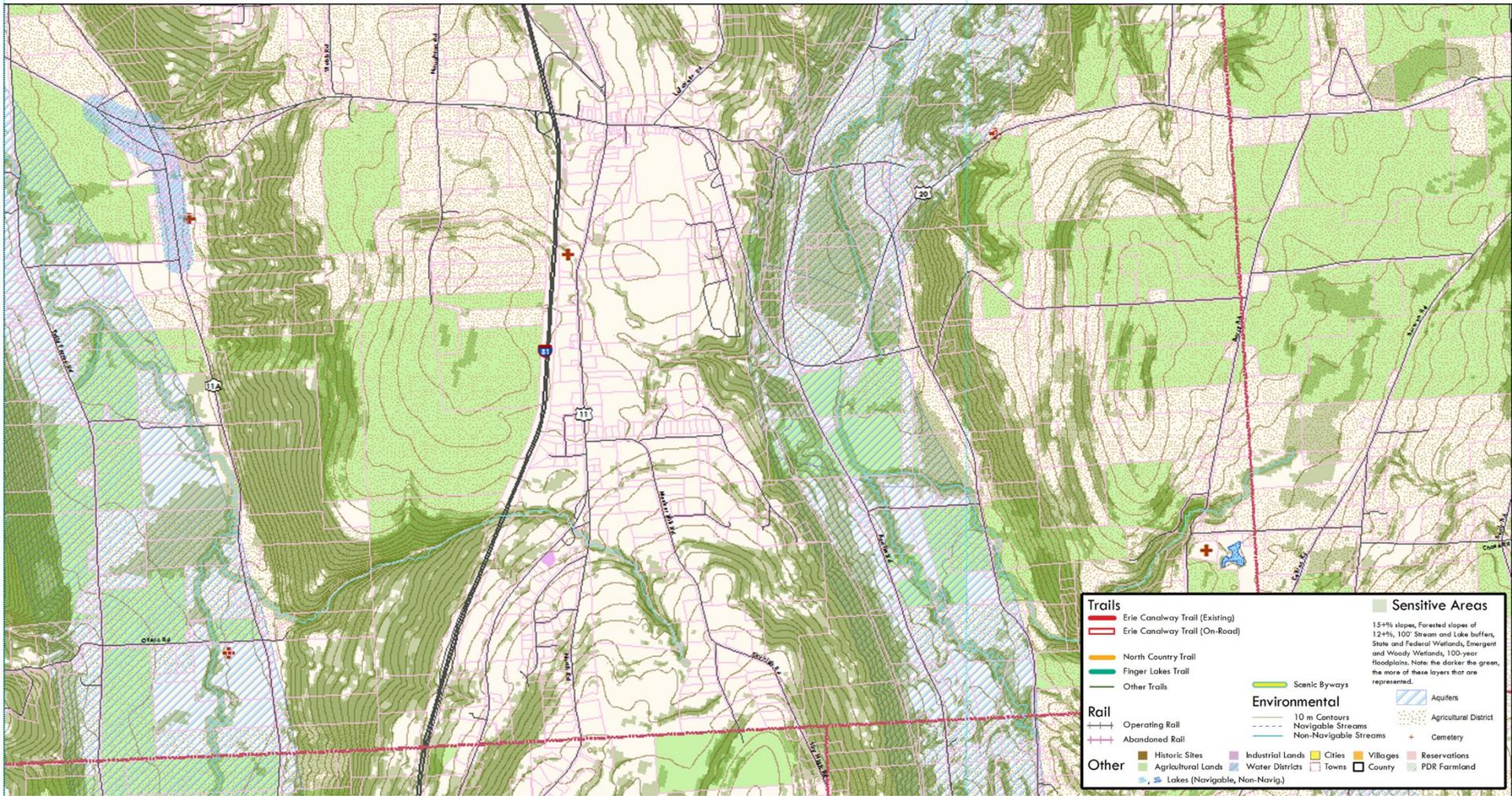
Forested Slopes of 12%+



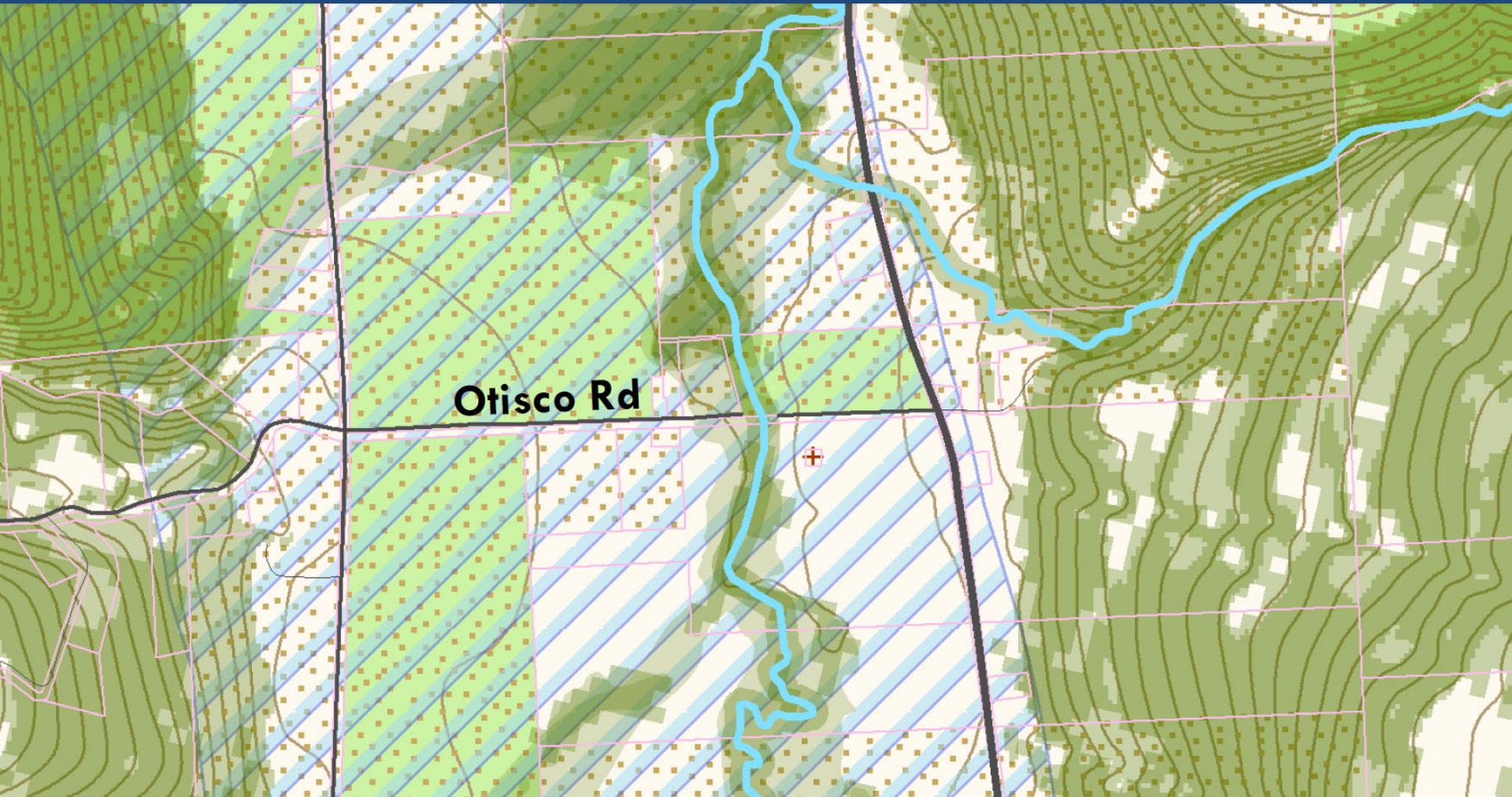
Agricultural Lands



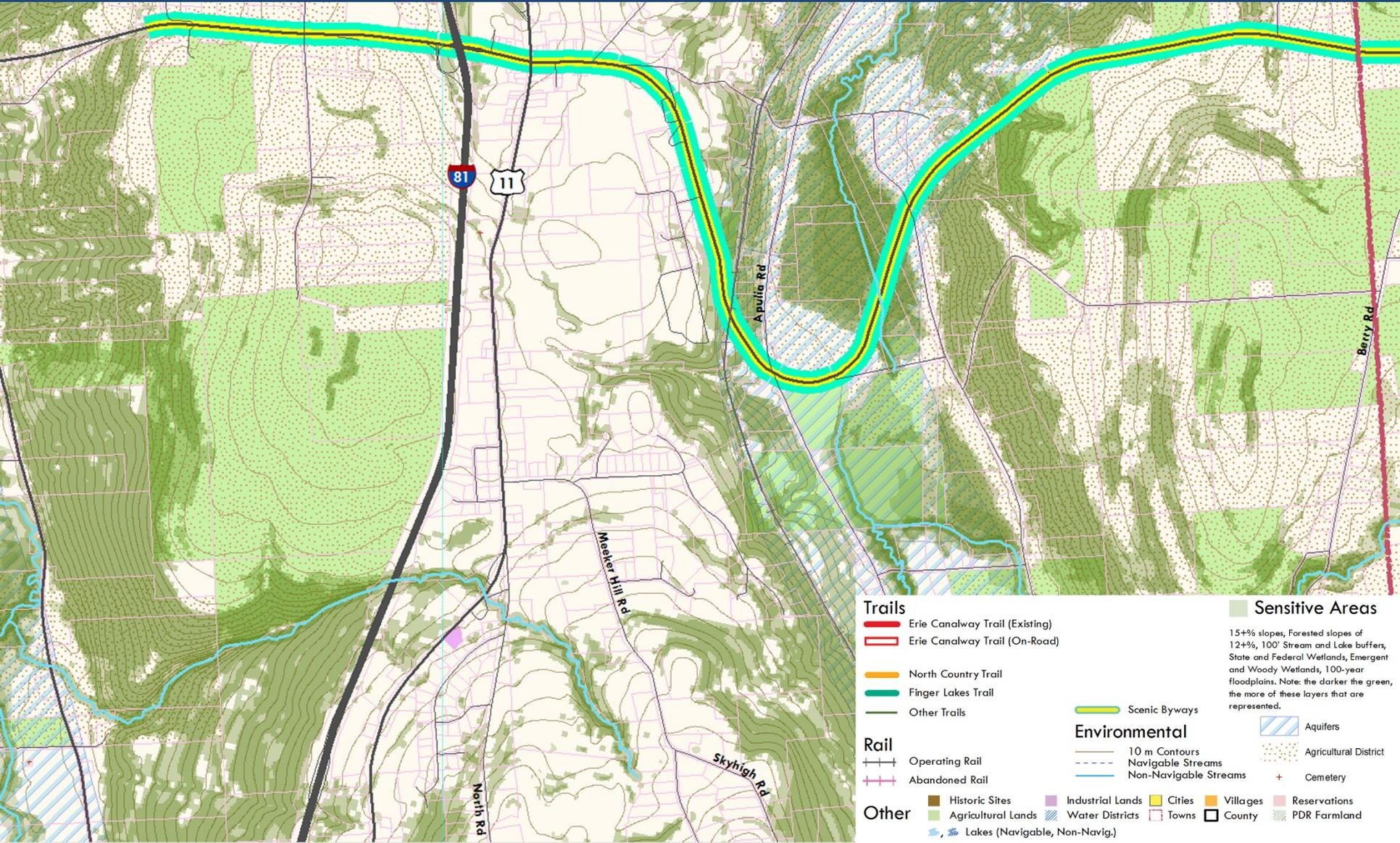
Agricultural District Lands



Understanding Parcel Sensitivities Helps to Inform Wise Land Use Decisions

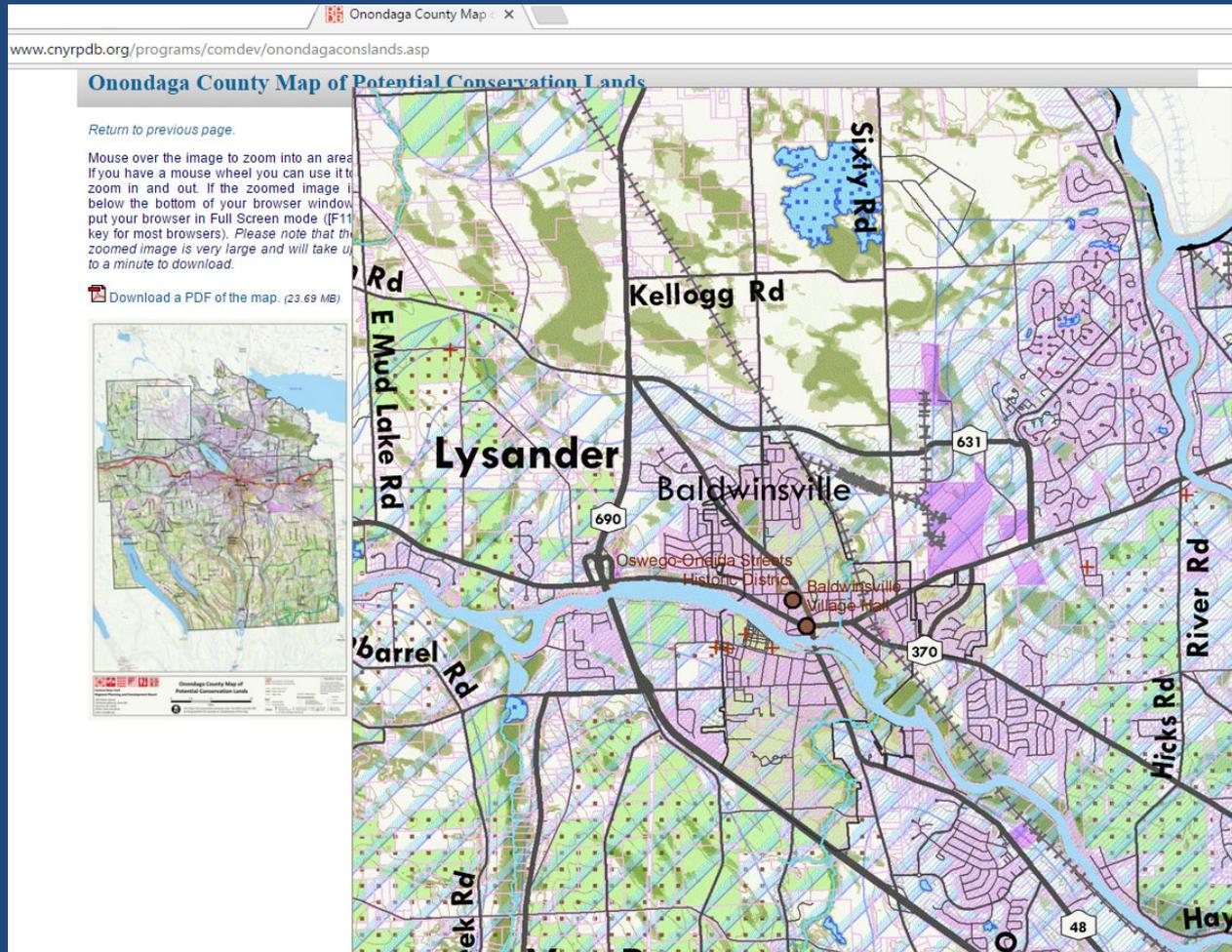


Map of Potential Conservation Lands – An Important Tool for Local Planning



Trails		Sensitive Areas	
	Erie Canalway Trail (Existing)	<p>15+% slopes, Forested slopes of 12+%, 100' Stream and Lake buffers, State and Federal Wetlands, Emergent and Woody Wetlands, 100-year floodplains. Note: the darker the green, the more of these layers that are represented.</p>	
	Erie Canalway Trail (On-Road)		
	North Country Trail		
	Finger Lakes Trail		
	Other Trails		
Rail			Scenic Byways
	Operating Rail	Environmental	
	Abandoned Rail		10 m Contours
			Navigable Streams
			Non-Navigable Streams
	Historic Sites		Aquifers
	Agricultural Lands		Water Districts
	Industrial Lands		Agricultural District
	Cities		Cemetery
	Villages		Reservations
	Towns		County
	Lakes (Navigable, Non-Navig.)		PDR Farmland

'Map of Potential Conservation Lands' Can be Found at: <http://www.cnyrpdb.org/programs/comdev/>



Cayuga, Cortland, Madison, Onondaga and Oswego Counties

3. subdivision process



Conservation Subdivision Design Process **As a Tool for Conserving Open Space**

Conservation Subdivision



Resource Analysis in 4 Steps:

1. Delineate conservation areas
2. Identify approximate house locations within potential development areas
3. Sketch alignment of streets and trails
4. Sketch in lot lines

A Four Step Process

Resource Analysis Checklist

Site Address _____ Scipio, NY

Land:

Farmland

- One acre or less
- Between one and five acres
- Five to less than twenty acres
- Twenty acres or more

Number of farmland acres preserved by deed restriction ____

- Steep Slope Areas (15% slope or greater)
- No Steep Slopes

Water:

- Stream Corridor
- Lake Shore
- Aquifers, Aquifer Recharge Areas
- Freshwater Wetlands
- Wooded Wetlands or Swamps

Woodlands (areas with trees 15" or greater in diameter):

- One acre or less
- Between one and five acres
- Five to less than twenty acres
- Twenty acres or more

Habitat/Biodiversity:

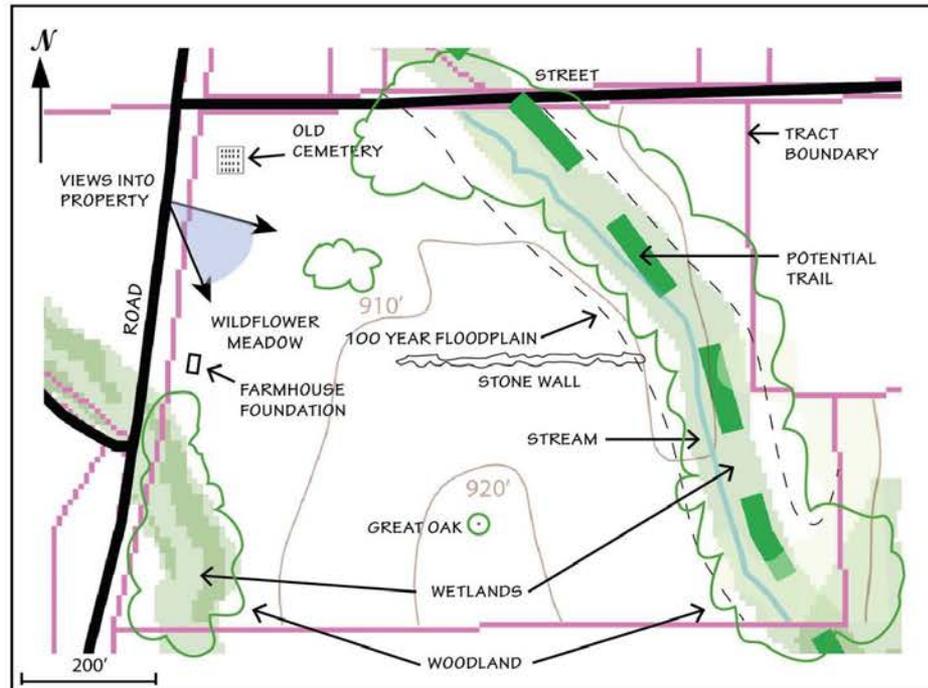
- Known Threatened or Endangered Species
- Ecologically Sensitive areas (vernal pools, fresh water springs, etc.)

Cultural/Historic Resources:

- Buildings more than 75 years old
- Stone Walls
- Roads, Bridges, Culverts
- Cemeteries



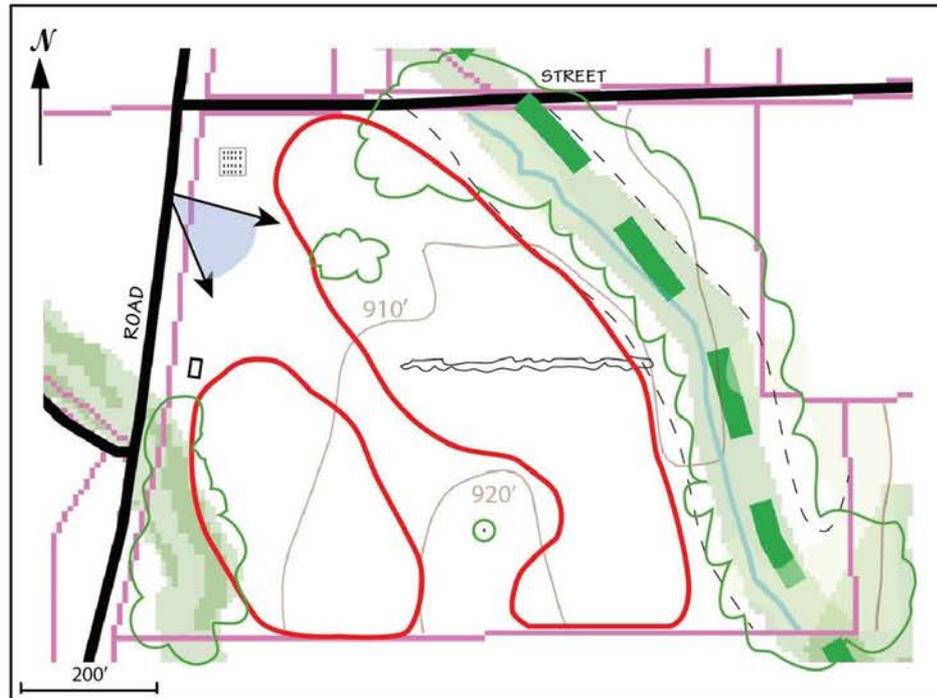
Step One: Identify Potential Conservation Areas



STEP 1. Above, the 'Town of Scipio Map of Potential Conservation Lands' is used as a base map with conservation areas delineated on a tract of land.

This Indicates Potential Development Areas

Next, potential development areas can then be identified (red line).



Step Two: Approximate House Locations



STEP 2. Above, approximate house locations are identified within the identified potential development areas. They are generally located not closer than 100' from constrained lands including wetlands, streams and steep slopes.

Step Three: Align Streets & Trails



STEP 3. Next, the alignment of streets and trails is sketched in showing access to house sites, and trail linkages to conservation areas.

Step Four: Individual Lot Boundaries

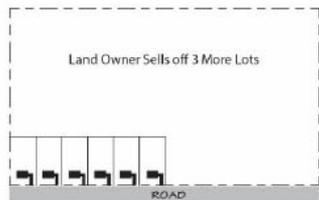


This is your 'Sketch Plan' Showing:

1. Proposed conservation areas
2. Approximate house locations within potential development areas
3. Alignment of streets and trails
4. Lot lines

STEP 4. The last step is to sketch in the lot lines to delineate the boundaries of the individual residential lots. A sketch showing each of the above steps in the design process should be available for Planning Board review if requested.

Conservation Vs. Cumulative (How Scenic and Safe Neighborhoods Develop)

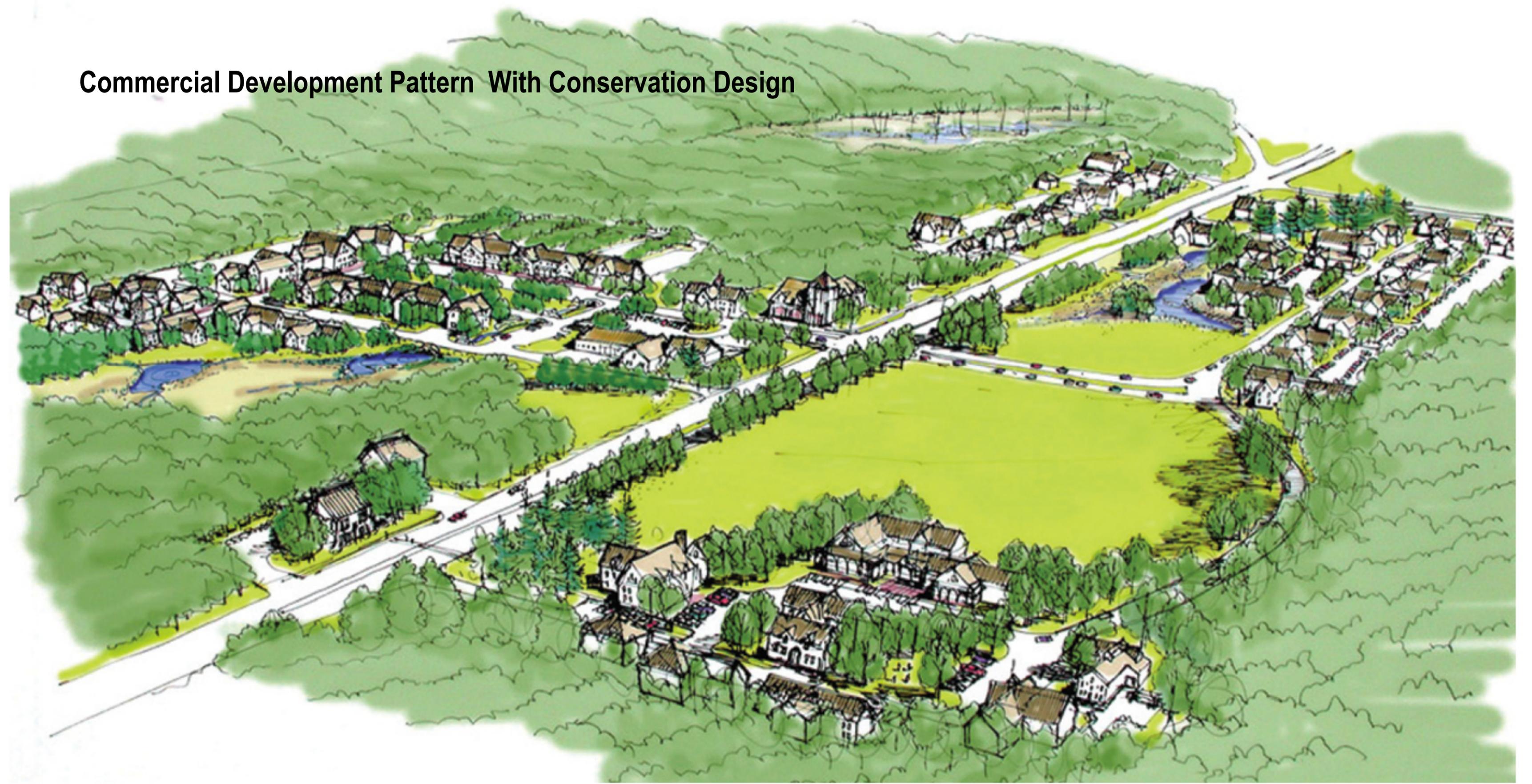


- The pattern of development on the left results in safety issues with the proliferation of driveways onto roadways. It also eats away at rural character and scenic views of open space.

- The development pattern on the right results in safer neighborhoods over time.



Commercial Development Pattern With Conservation Design



East Gateway - Village of Cazenovia











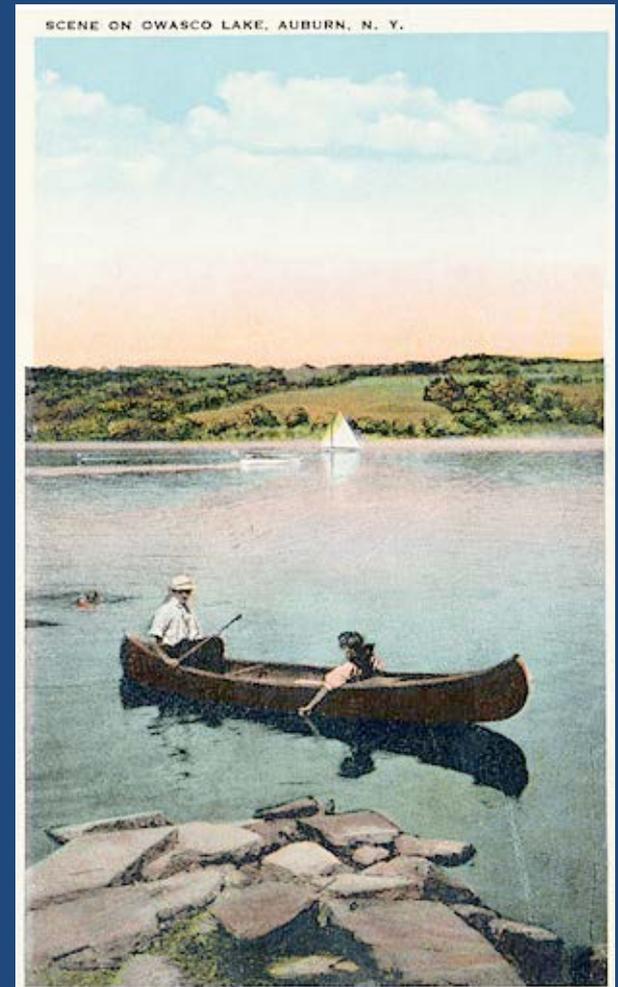
4. an exciting new project

A New Regional Plan for Connecting Outdoor Recreation and Heritage Resources

A Five-County plan is underway, the *CNY Regional Recreation & Heritage Plan*

Using landscape and cultural characteristics to envision a regionally inter-linked network that will connect:

- trails
- bikeways
- public waterfront access
- scenic and natural areas
- working landscapes and farm markets
- historic sites and heritage areas
- cities, villages and rural hamlets
- events, festivals and museums

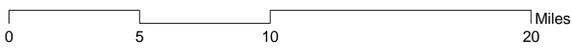
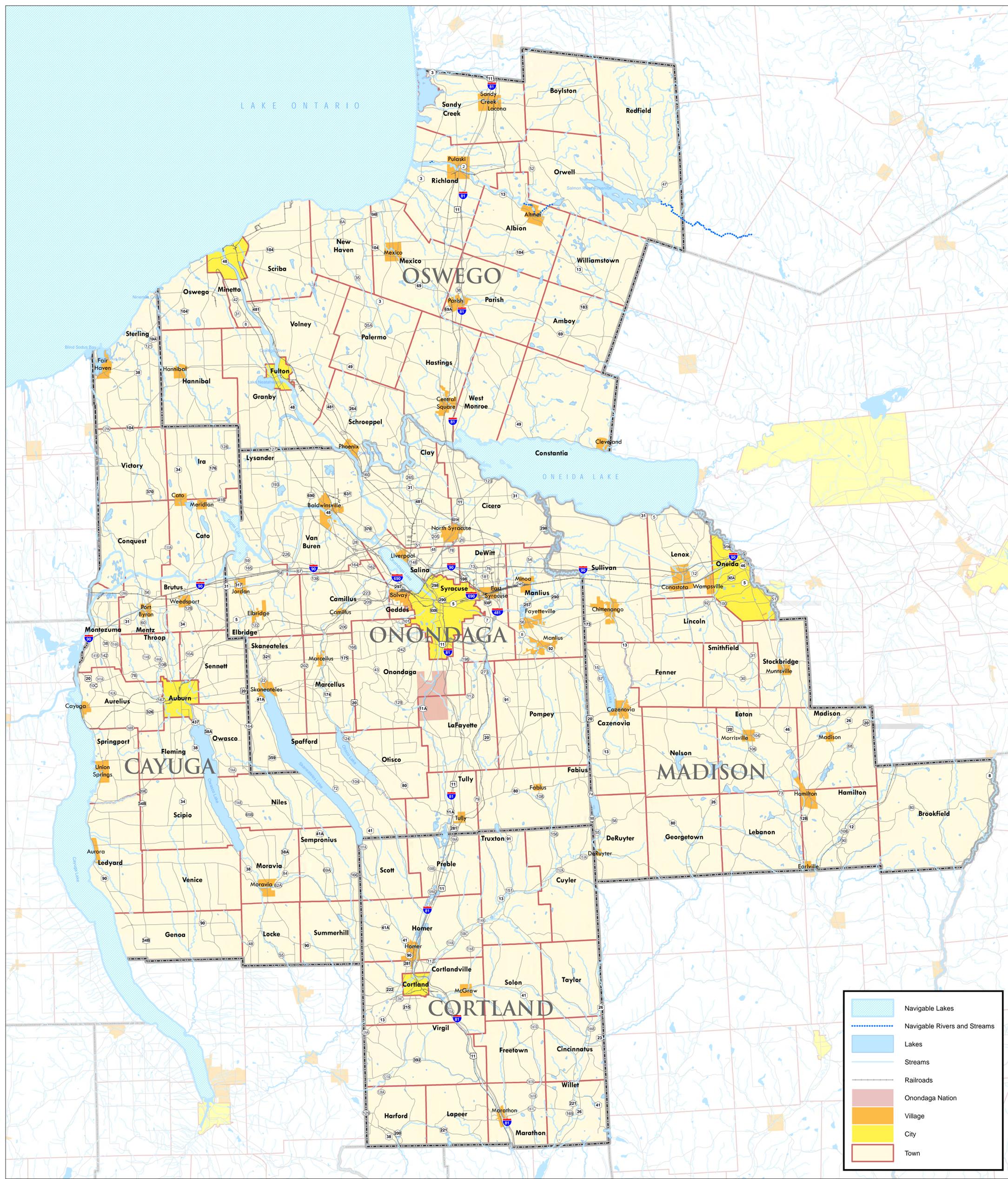


A New Regional Plan for Connecting Outdoor Recreation & Heritage Resources

Corridors of Recreational and Heritage interest across Central New York are identified and mapped in the plan.

Recommendations for:

- resource protection balanced with
- compatible development
- low impact use
- improved public access
- connectivity through wayfinding
- and interpretation



Central New York Regional Recreation and Heritage Plan Geography and Municipal Jurisdictions

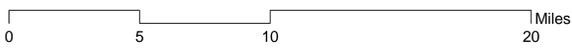
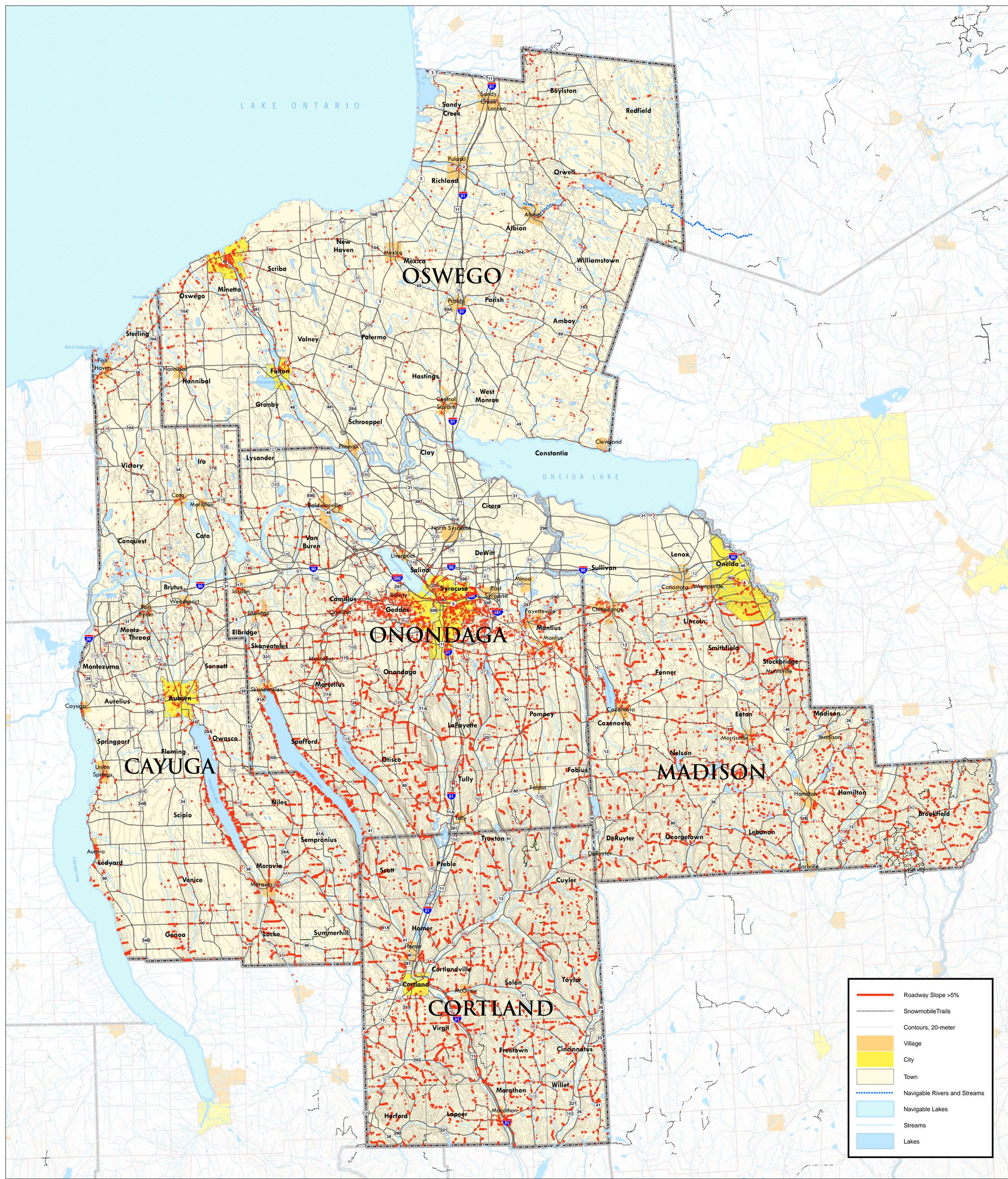


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Data Sources: SOCPA, NYSDOT, NYSDEC, NLCD, USFWS Prepared by CNY RPDB & SMT, 08/2016

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Central New York Regional Recreation and Heritage Plan Roads Slopes Over 5%

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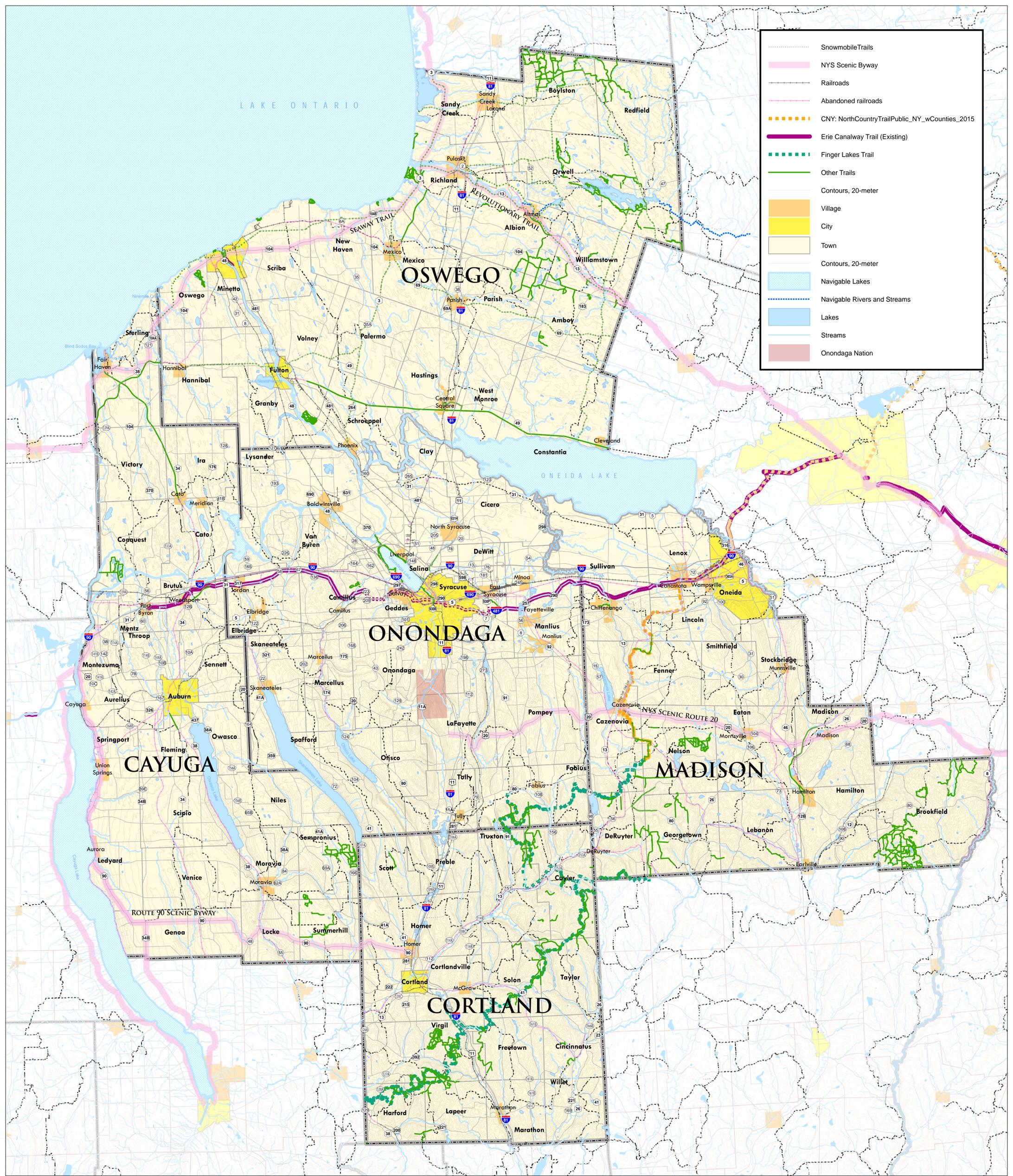
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Central New York Regional Planning & Development Board



- Snowmobile Trails
- NYS Scenic Byway
- Railroads
- Abandoned railroads
- CNY: NorthCountryTrailPublic_NY_wCounties_2015
- Erie Canalway Trail (Existing)
- Finger Lakes Trail
- Other Trails
- Contours, 20-meter
- Village
- City
- Town
- Contours, 20-meter
- Navigable Lakes
- Navigable Rivers and Streams
- Lakes
- Streams
- Onondaga Nation

0 5 10 20 Miles



Central New York Regional Recreation and Heritage Plan Trails

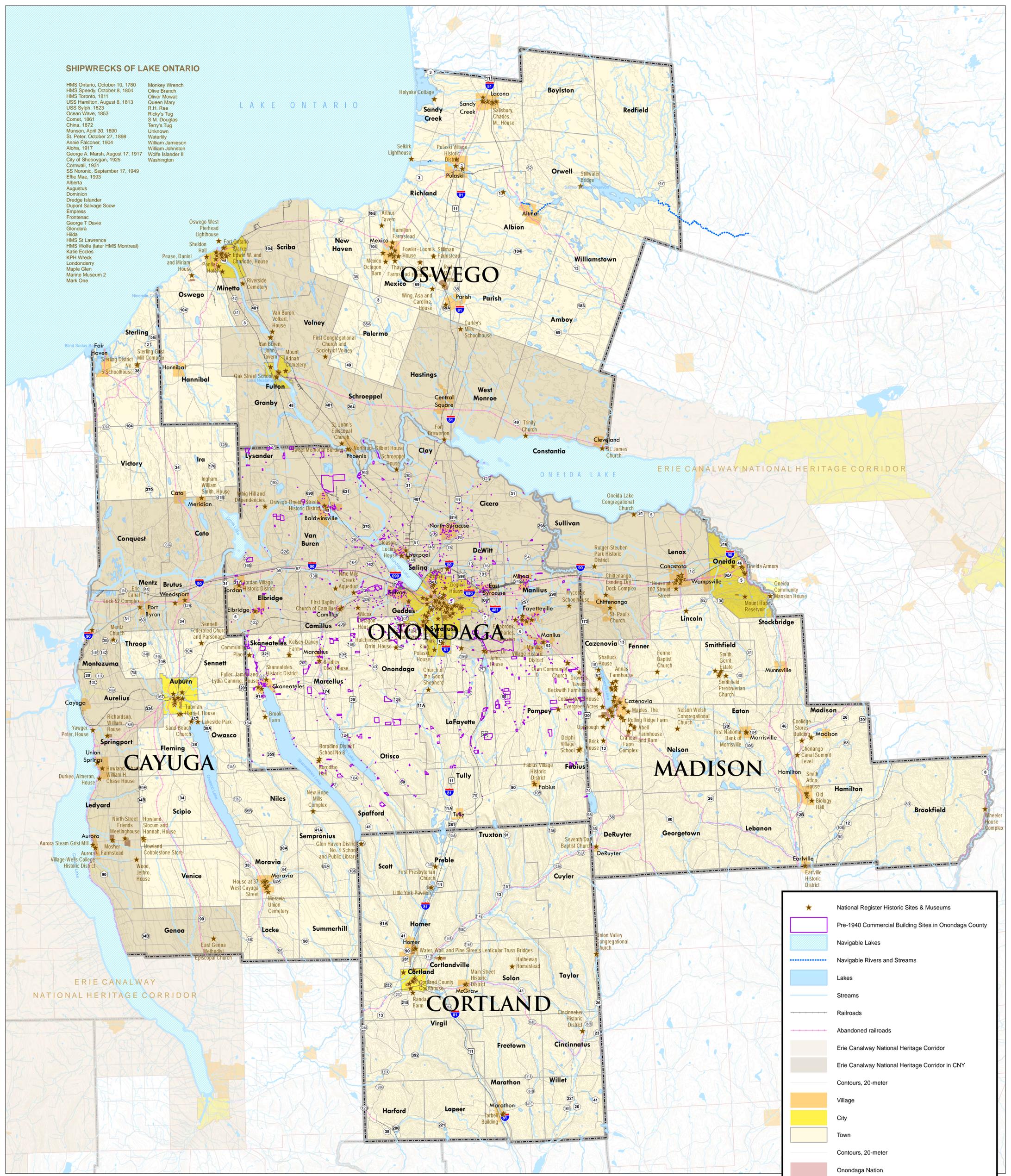


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SHIPWRECKS OF LAKE ONTARIO

- HMS Ontario, October 10, 1780
- HMS Speedy, October 8, 1804
- HMS Toronto, 1811
- USS Hamilton, August 8, 1813
- USS Sylph, 1823
- Ocean Wave, 1853
- Cornet, 1861
- China, 1872
- Munson, April 30, 1890
- St. Peter, October 27, 1898
- Annie Falconer, 1904
- Aloha, 1917
- George A. Marsh, August 17, 1917
- City of Sheboygan, 1925
- Cornwall, 1931
- SS Naronic, September 17, 1949
- Effie Mae, 1993
- Alberta
- Augustus
- Dominion
- Dredge Islander
- Dupont Salvage Scow
- Empress
- Frontenac
- George T. Davie
- Katie Eccles
- Hilda
- HMS St. Lawrence
- HMS Wolfe (later HMS Montreal)
- Kate Eccles
- KPH Wreck
- Londonderry
- Maple Glen
- Marine Museum 2
- Mark One
- Monkey Wrench
- Olive Branch
- Oliver Mowat
- Queen Mary
- R.H. Rae
- Ricky's Tug
- S.M. Douglas
- Terry's Tug
- Unknown
- Waterily
- William Jamieson
- William Johnston
- Wolfe Islander II
- Washington



- ★ National Register Historic Sites & Museums
- Pre-1940 Commercial Building Sites in Onondaga County
- ▬ Navigable Lakes
- ▬ Navigable Rivers and Streams
- ▬ Lakes
- ▬ Streams
- ▬ Railroads
- ▬ Abandoned railroads
- ▬ Erie Canalway National Heritage Corridor
- ▬ Erie Canalway National Heritage Corridor in CNY
- ▬ Contours, 20-meter
- ▬ Village
- ▬ City
- ▬ Town
- ▬ Contours, 20-meter
- ▬ Onondaga Nation

**Central New York Regional Recreation and Heritage Plan
Heritage Resources**

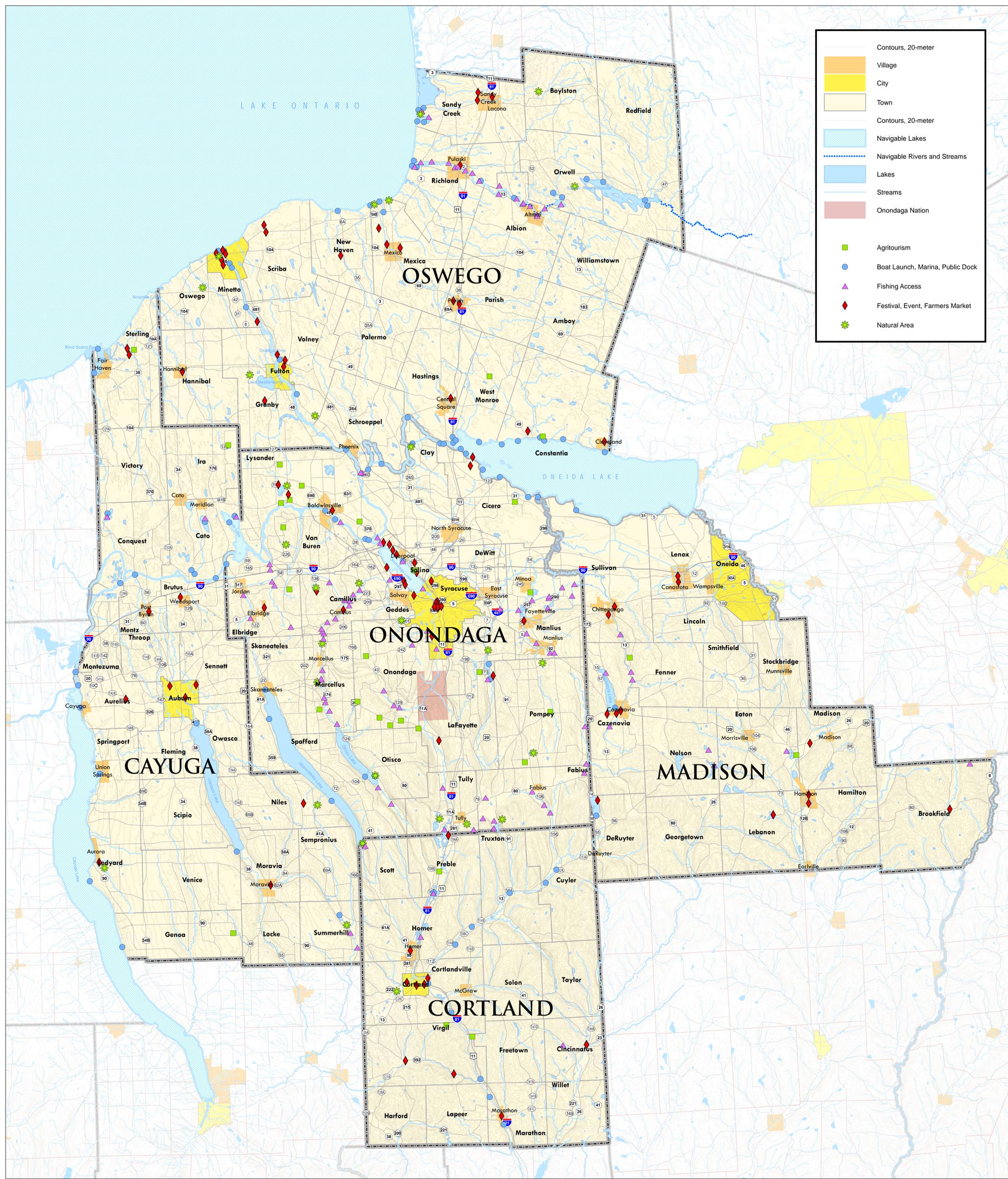


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- Contours, 20-meter
- Village
- City
- Town
- Contours, 20-meter
- Navigable Lakes
- Navigable Rivers and Streams
- Lakes
- Streams
- Onondaga Nation
- Agritourism
- Boat Launch, Marina, Public Dock
- Fishing Access
- Festival, Event, Farmers Market
- Natural Area

0 5 10 20 Miles



Central New York Regional Recreation and Heritage Plan Recreation, Agritourism & Natural Areas



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SHIPWRECKS OF LAKE ONTARIO

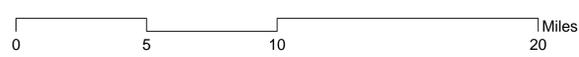
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- Risky's Tug
- S.M. Douglas
- Terry's Tug
- Unknown
- Waverly
- William Jamieson
- William Johnston
- Wolfe Islander II
- Washington

Trail Link on Touring Corridor

Recreation & Heritage Resources:
 (Agritourism, Boat Launch, Fishing Access, Festival, Event, Farm Market, Heritage Site, Museum, Natural Area, Marina, Public Dock)

Bicycle Touring Corridors & Road Ownership

- Primary Touring Route - NYS DOT
- Primary Touring Route - County
- Primary Touring Route - Town
- Primary Touring Route - City or Village
- Primary Touring Route - Other Public
- Primary Touring Route - Rail, Abandoned Rail, Other Trail
- Additional Touring Route - NYS DOT
- Additional Touring Route - County
- Additional Touring Route - Town
- Additional Touring Route - Other Public
- Additional Touring Route - Rail, Abandoned Rail, Other Trail
- Roadway Slope > 5%
- Snowmobile Trails
- NYS Scenic Byway
- Railroads
- Abandoned railroads
- North Country Trail
- Erie Canalway National Heritage Corridor
- Erie Canalway National Heritage Corridor in CNY
- Erie Canalway Trail
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- PDR Farmland
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- Contours, 20-meter
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- Streams
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Central New York Regional Recreation and Heritage Plan
Linking Resources With Cycling Touring Corridors

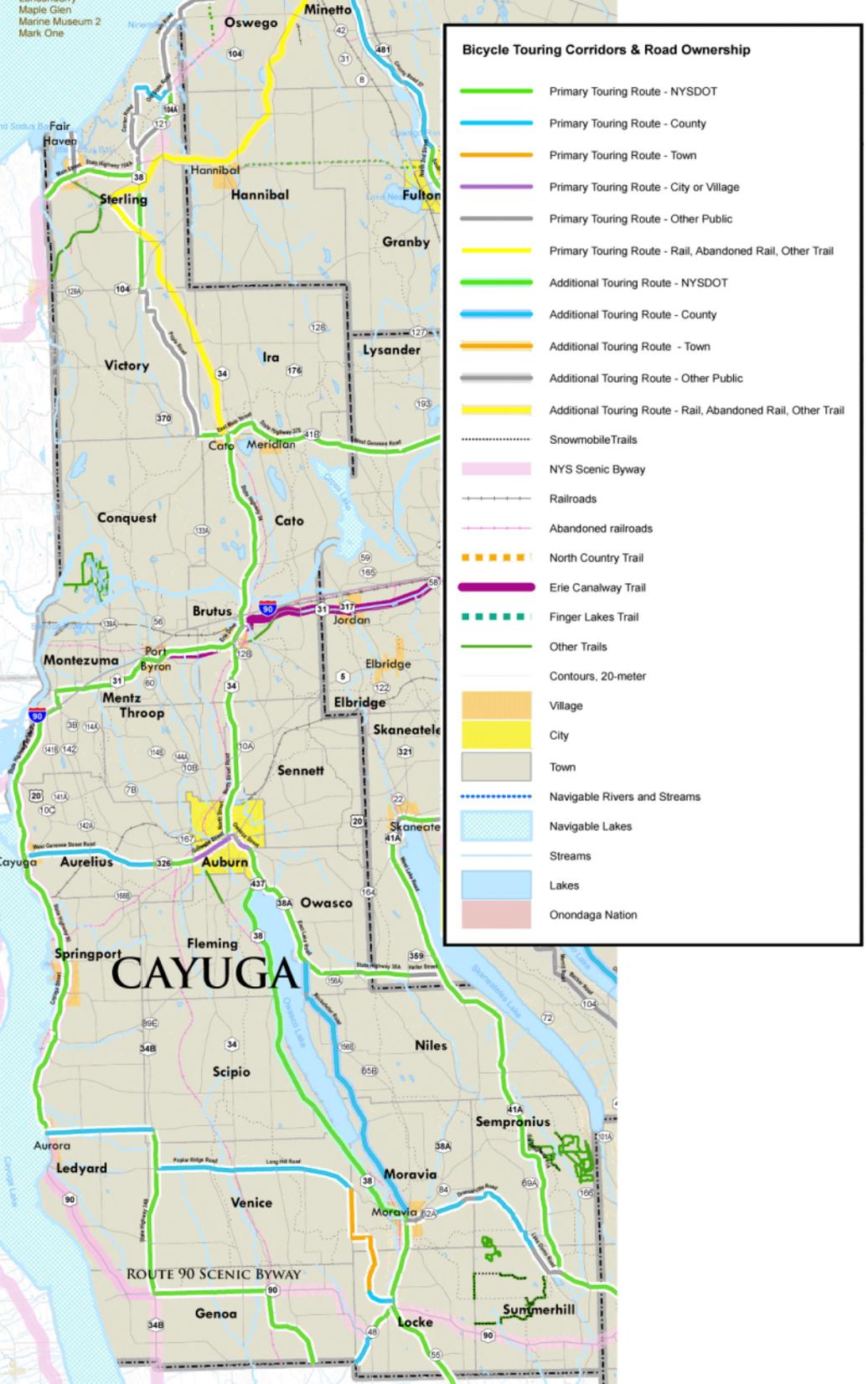


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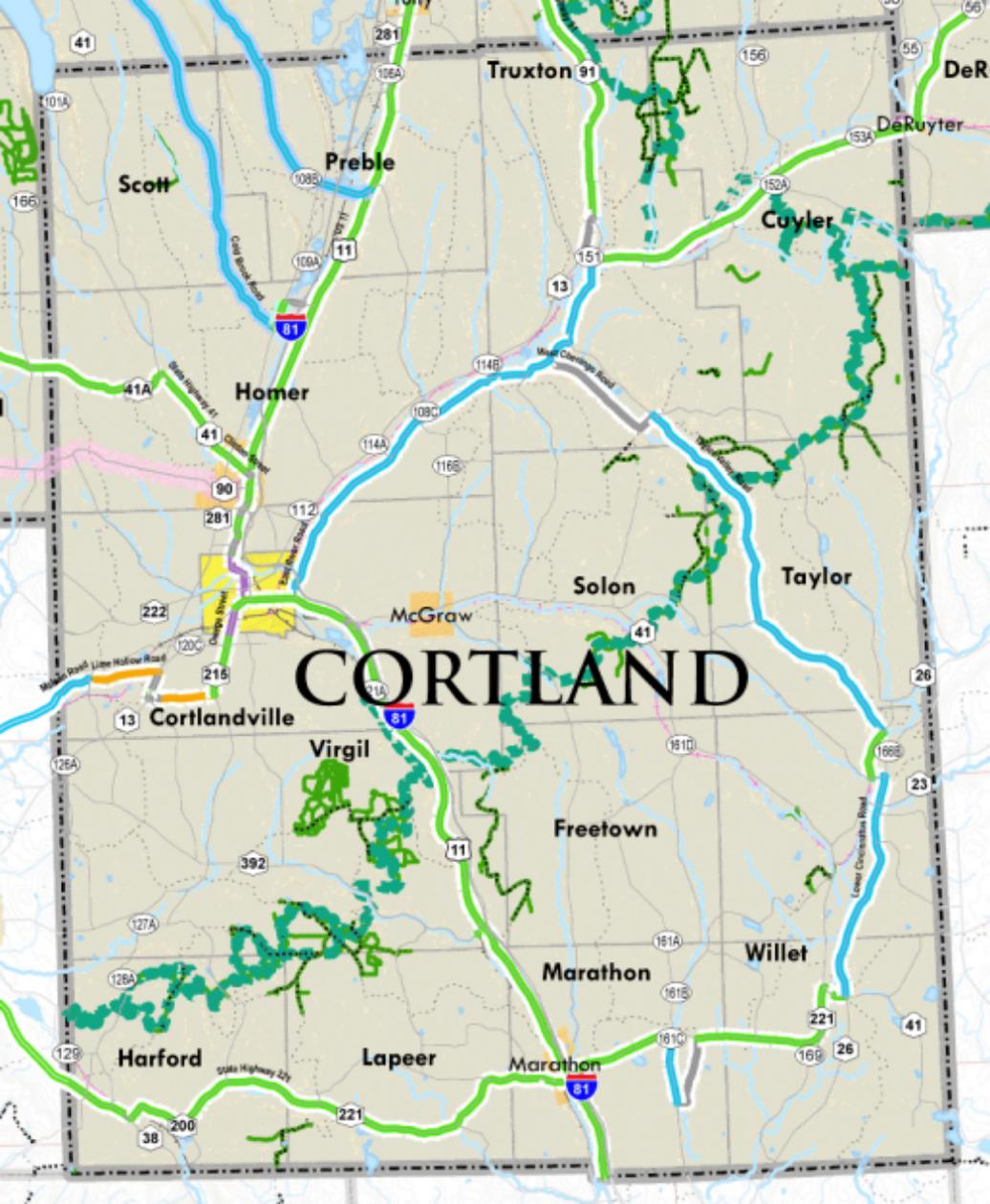
Maple Glen
Marine Museum 2
Mark One

Bicycle Touring Corridors & Road Ownership

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- Additional Touring Route - NYSDOT
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- - - - - Snowmobile Trails
- NYS Scenic Byway
- +—+—+— Railroads
- - - - - Abandoned railroads
- - - - - North Country Trail
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- Lakes
- Onondaga Nation

CAYUGA

ROUTE 90 SCENIC BYWAY



CORTLAND

Scott

Preble

Truxton

Cuyler

Homer

Solon

Taylor

McGraw

Cortlandville

Virgil

Freetown

Marathon

Willet

Harford

Lapeer

Marathon

DeRuyter



ONONDAGA

Schroepel

West Monroe

Constantia

Lysander

Phoenix

Clay

Baldwinsville

Van Buren

North Syracuse

Cicero

DeWitt

Salina

Syracuse

East Syracuse

Camillus

Geddes

Minot

Fayetteville

Elbridge

Elbridge

Marcellus

Marcellus

Manlius

Manlius

Onondaga

Pompey

LaFayette

Otisco

Tully

Fabius

Niles

Fabius

Sampson

Truxton

LAKE ONTARIO

- Monkey Wrench
- Olive Branch
- Oliver Mowat
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- Ricky's Tug
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- Waterlily
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- William Johnston
- Wolfe Islander II
- Washington

LAKE ONTARIO



OSWEGO

Phase Two
CNY Regional Recreation & Heritage Plan
Funded Through NY DOS LWRP in 2016

Local Planning for Implementation

jgleisner@cnyrpdb.org

'Map of Potential Conservation Lands':

<http://www.cnyrpdb.org/programs/comdev/>