

## **Town of Copake**

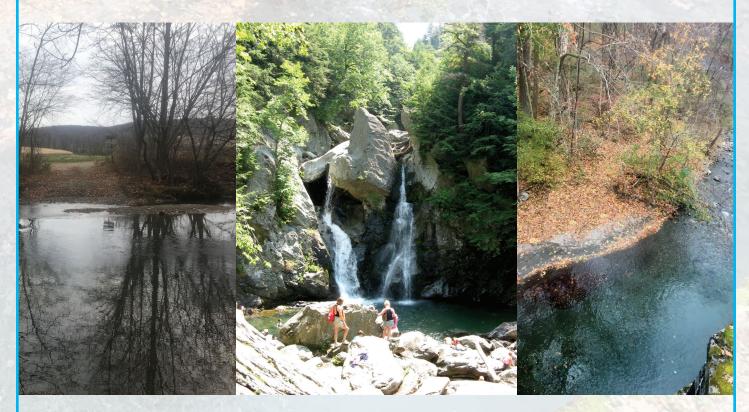
## **MAP ATLAS**

for the

## **Waterfront and Community Revitalization Plan**

for the Bash Bish Brook, Roeliff Jansen Kill & Taghkanic Creek

March 2021



Planning for the Waterfront and Hamlet Revitalization
Project is funded by the New York State Department of State
under Title 11 of the Environmental Protection Fund.



## List of Maps

Maps 1-32: Columbia County 2018 Natural Resources Inventory

Maps 33-37: NYSDEC Habitat Summary for the Town of Copake

Maps 38-46: NYSDEC Water Resource Summary for the Town of Copake

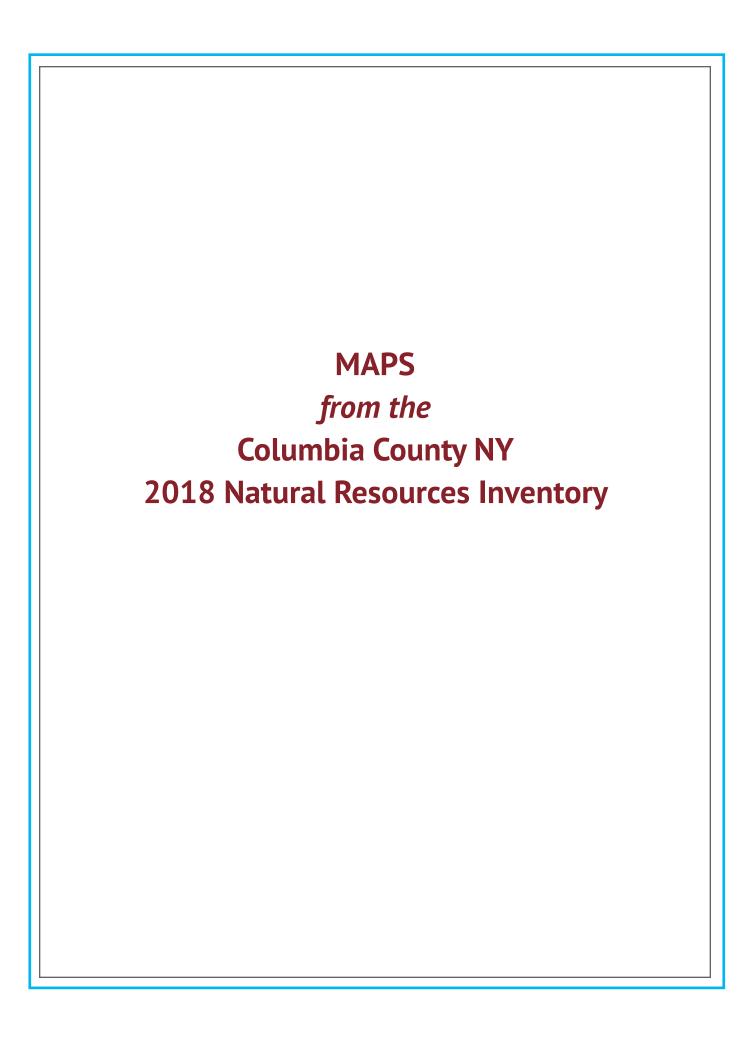
Maps 47-53: Maps from Town of Copake Comprehensive Plan 2011

Maps 54-55: Updated Zoning and Land Use Maps 2020

Maps 56-71: Agricultural Maps for the Town of Copake

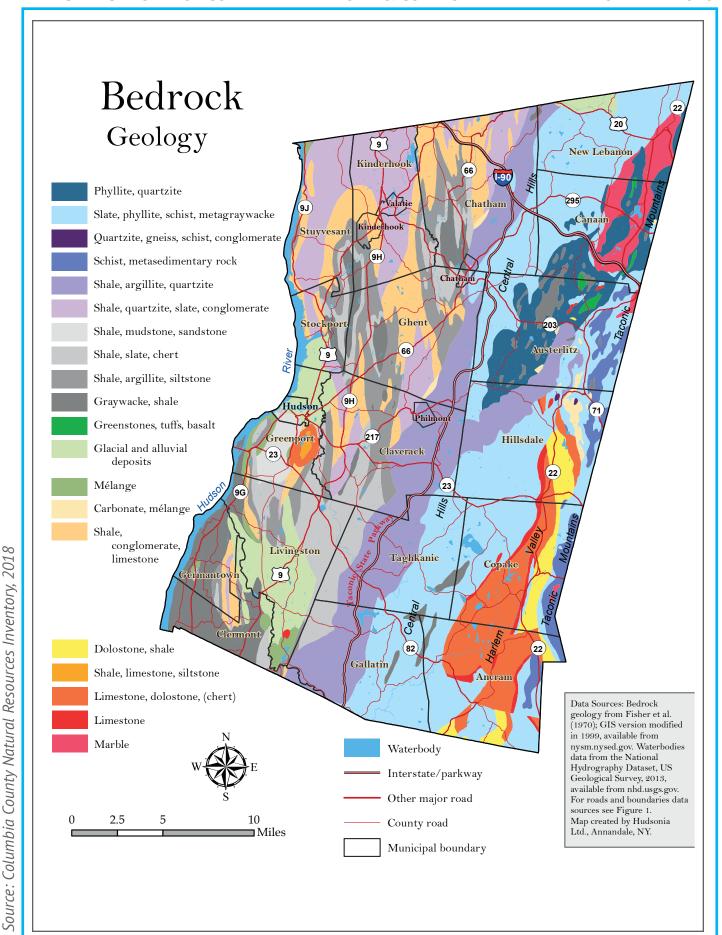
Map 72: Aquatic Connectivity in the Hudson River Estuary Watershed

**Note on limitations of maps in this summary map atlas:** Maps included here were created in a geographic information system or GIS. Information on the maps comes from different sources, produced at different times, at different scales, and for different purposes. Data is often collected or developed from remote sensing data (i.e., aerial photographs, satellite imagery) or derived from paper maps. For these reasons, GIS data often contain inaccuracies from the original data, plus any errors from converting it. Therefore, maps created in GIS are approximate and best used for planning purposes. They should not be substituted for site surveys. Any resource shown on a map should be verified for legal purposes, including environmental review.



Source: Columbia County Natural Resources Inventory, 2018

Source: Columbia County Natural Resources Inventory, 2018



MAP 3: Generalized Bedrock Geology of Columbia County, NY

Source: Columbia County Natural Resources Inventory, 2018

MAP 13: Impairment Level of Waterbodies in Columbia County, NY

Source: Columbia County Natural Resources Inventory, 2018

MAP 22: Stream Habitats by Size, Gradient & Temperature in Columbia County, NY

Source: Columbia County Natural Resources Inventory, 2018

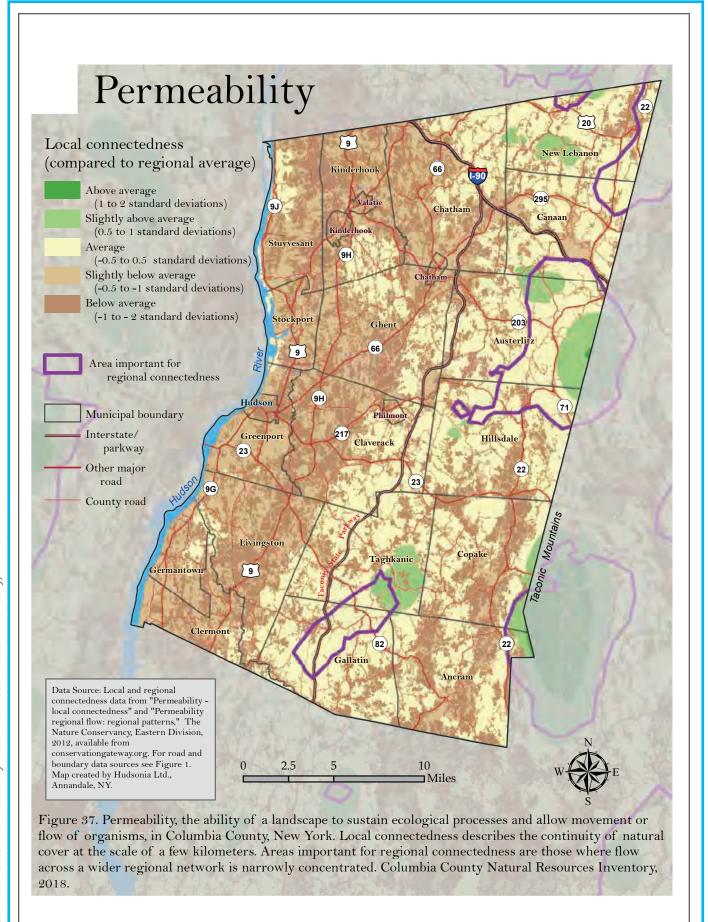
Source: Columbia County Natural Resources Inventory, 2018

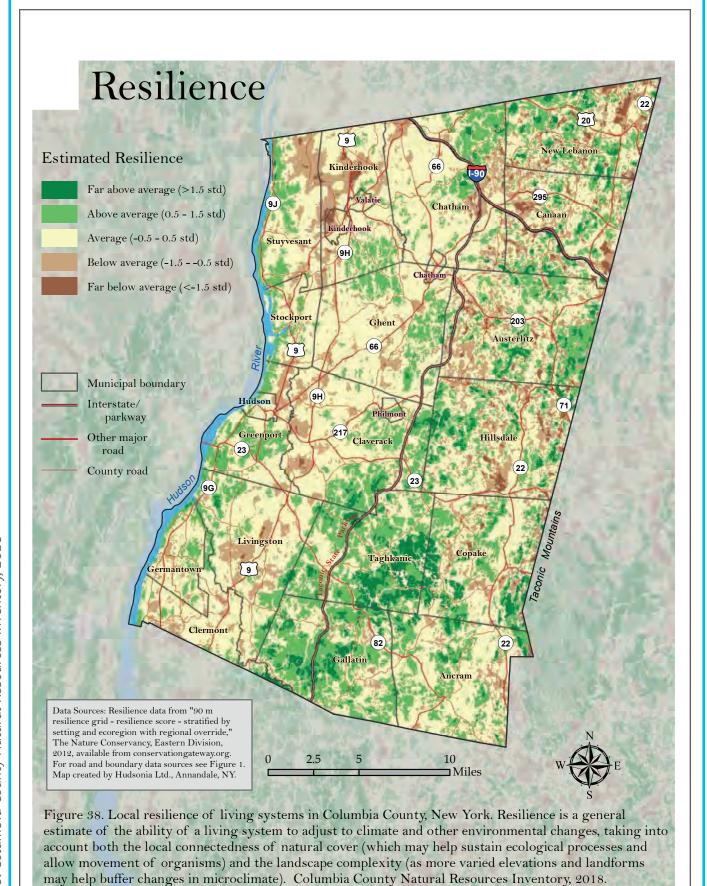
MAP 24: Areas of Known Ecological Importance in Columbia County, NY

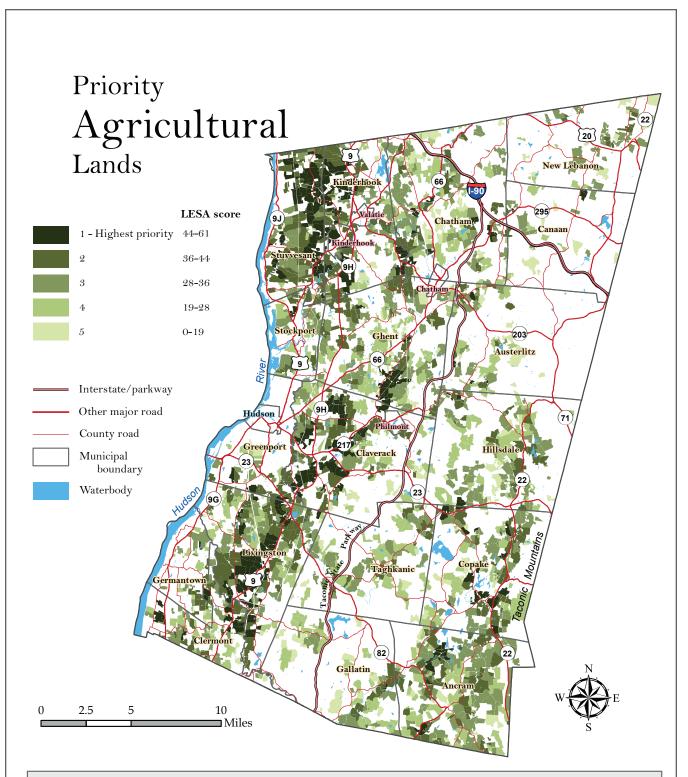
Source: Columbia County Natural Resources Inventory, 2018

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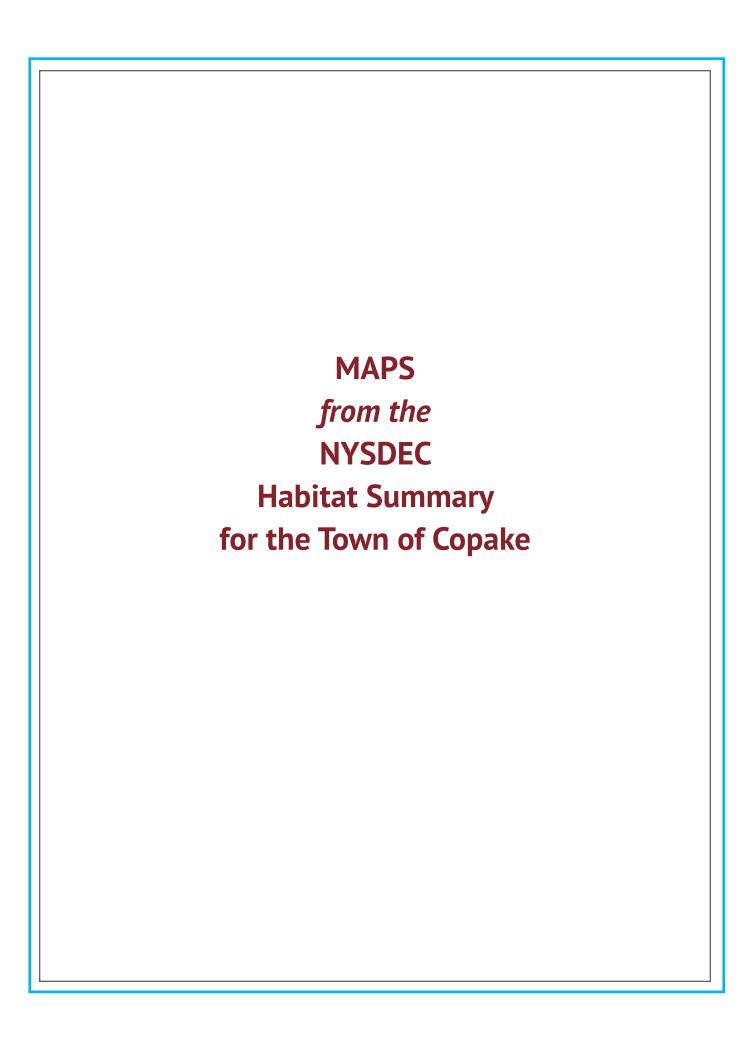




Data Sources: Priority agricultural lands from a Land Evaluation and Site Assessment (LESA) adapted for Columbia County by the County Agricultural and Farmland Protection Board and mapped by Don Meltz Planning and GIS. Original LESA created by Natural Resources Conservation Service. Assessment criteria include soil type, commitment to farming, long-term viability, development pressure, and open space (including scenic, historic, and natural resource) value. Waterbodies data from the National Hydrography Dataset, US Geological Survey, 2013, available from nhd.usgs.gov. For roads and boundaries data sources see Figure 1. Map created by Hudsonia Ltd., Annandale, NY.

Figure 39. Priority agricultural lands in Columbia County, New York. Lands identified through a Land Evaluation and Site Assessment System (LESA) (see text). Columbia County Natural Resources Inventory, 2018.

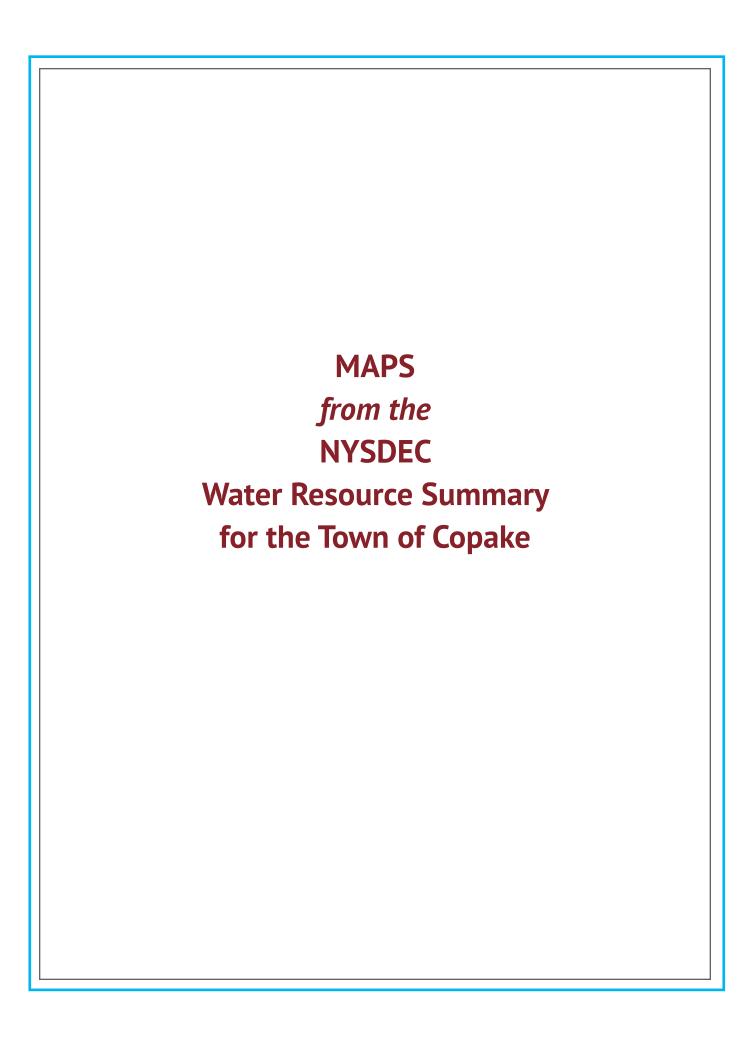
Source: Columbia County Natural Resources Inventory, 2018

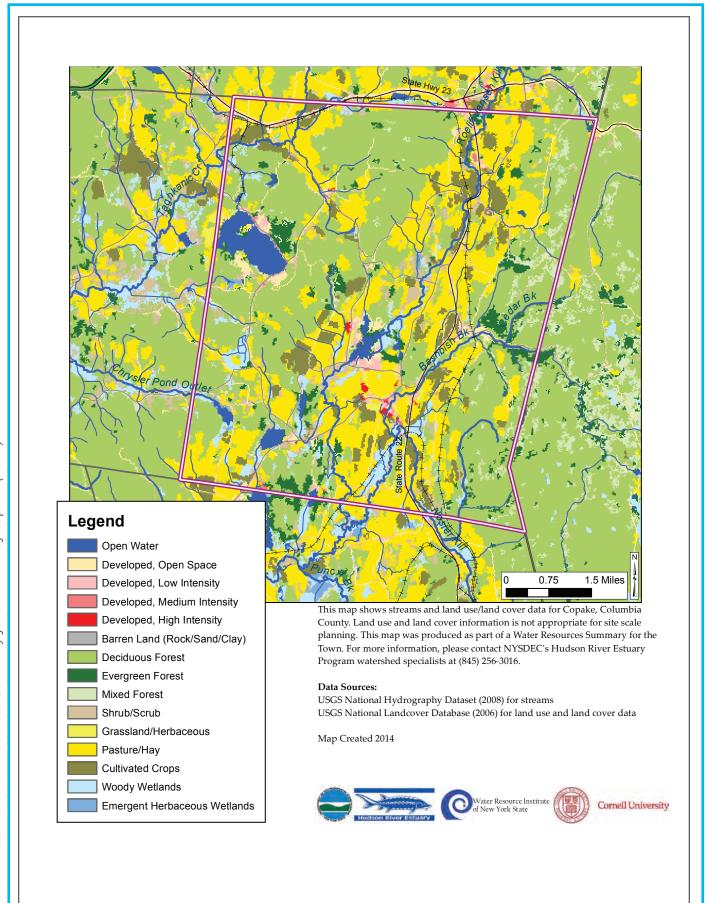


Source: NYSDEC Habitat Summary for the Town of Copake (2014)

Source: NYSDEC Habitat Summary for the Town of Copake (2014)

Source: NYSDEC Habitat Summary for the Town of Copake (2014)





MAP 40: Land Cover and Land Use, including Forests, Farmland and Impervious Cover in Copake, NY

MAP 41: Impervious Cover and Forest Cover in Copake, NY

MAP 42: Mapped Aquifers in Copake, NY

# Legend Copake T and TS streams (trout, trout spawning) NYSDEC Stream Classification

В

С

D

This map shows streams and their NYSDEC classification, waterbodies, and watersheds for Copake, Columbia County. See the accompanying summary for a description of stream classifications. Perennial streams that are not shown take on the classification of the waterbody they flow into. This is an unofficial version, however the stream segments are largely consistent with the official regulations. **This map is not appropriate for regulatory purposes, for the most recent information contact NYSDEC Region 4.** This map was produced as part of a Water Resource Summary for the Town. For more information, please contact NYS DEC's Hudson River Estuary Program watershed specialists at (845) 256-3016.

### Data Sources:

NYSDEC (2010) for stream classifications

USGS National Hydrography Dataset for waterbodies and Hydrologic Unit Code 12 subwatersheds (2008)

Map Created 2014

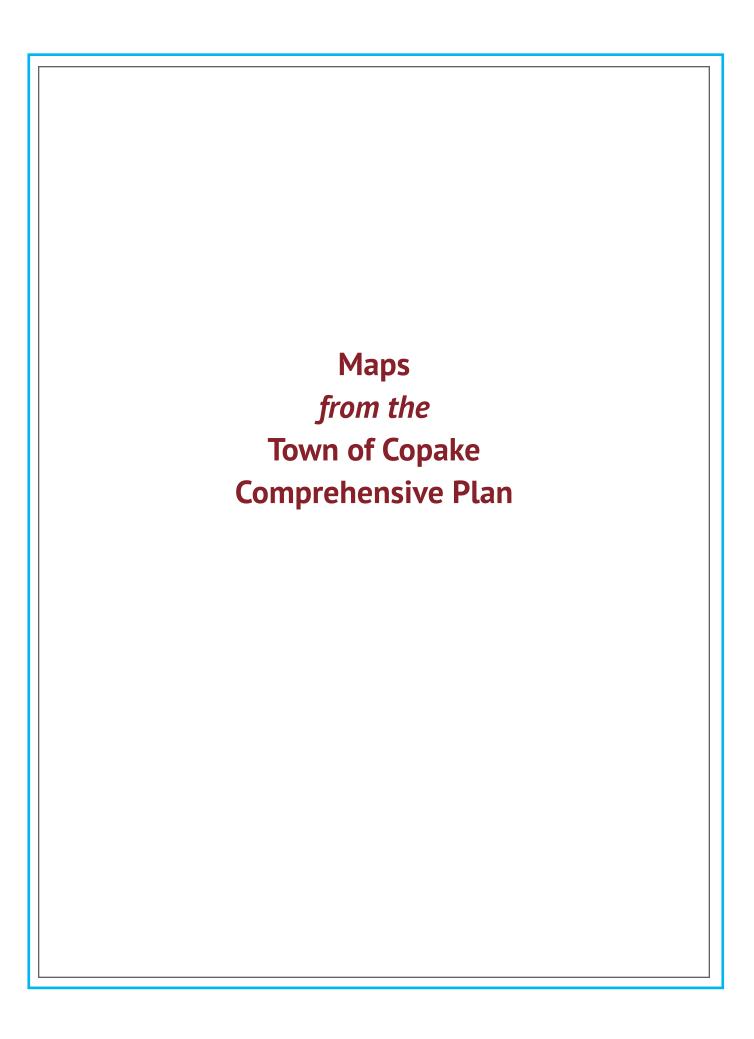


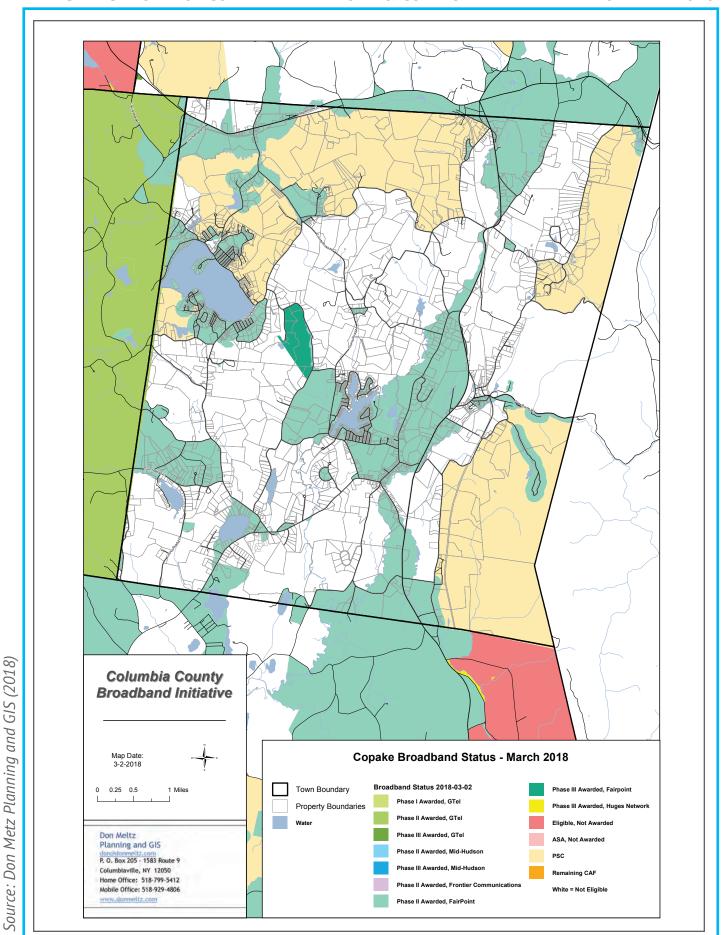




MAP 45: Waterbody Impairment (from Priority Waterbodies List) in Copake, NY

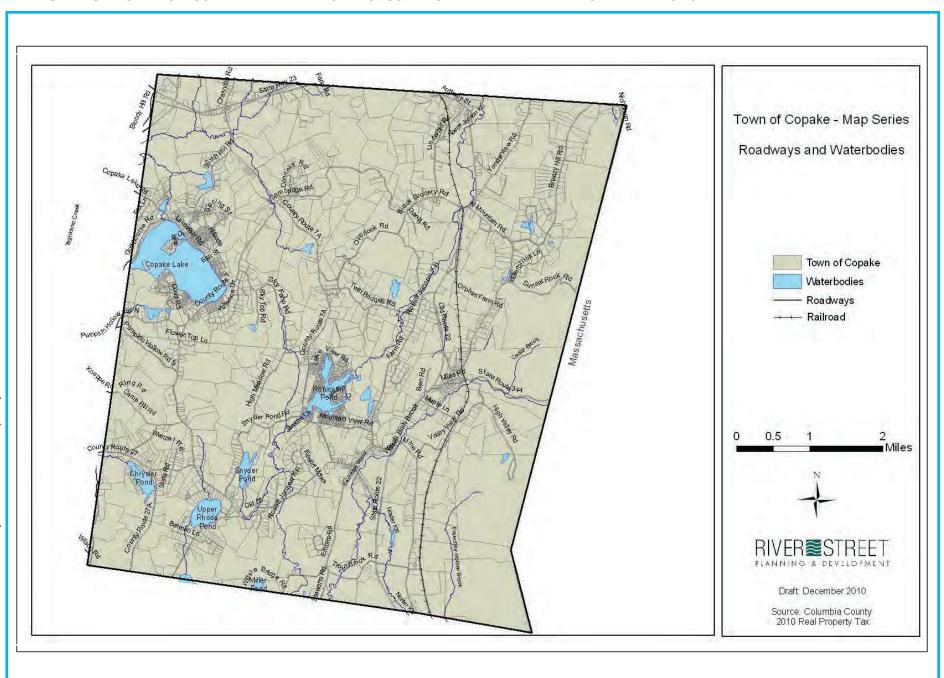
Source: NYSDEC Water Resources Summary for the Town of Copake (2014)



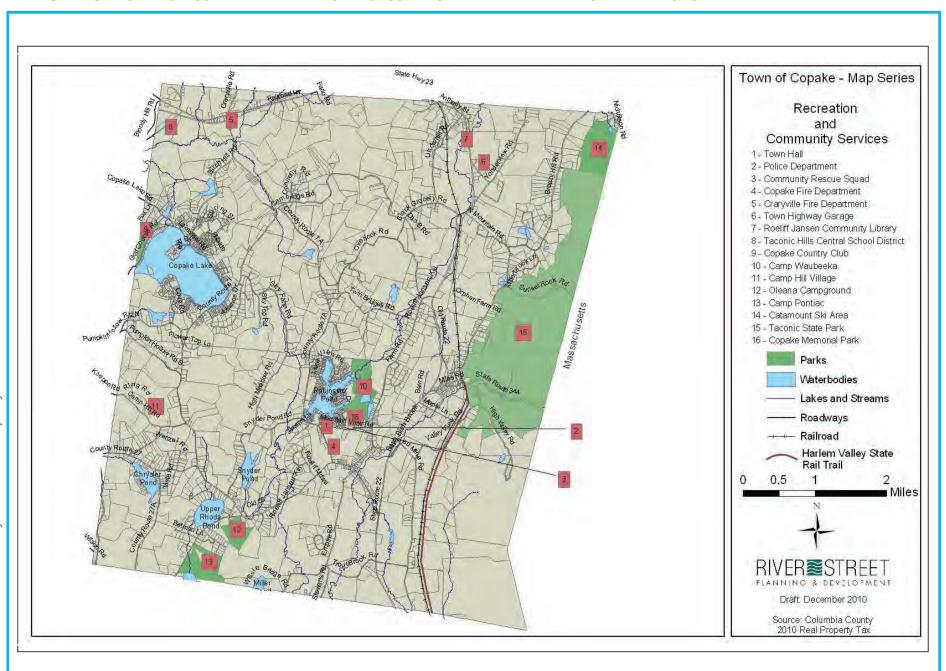


MAP 47: Broadband Status in Town of Copake

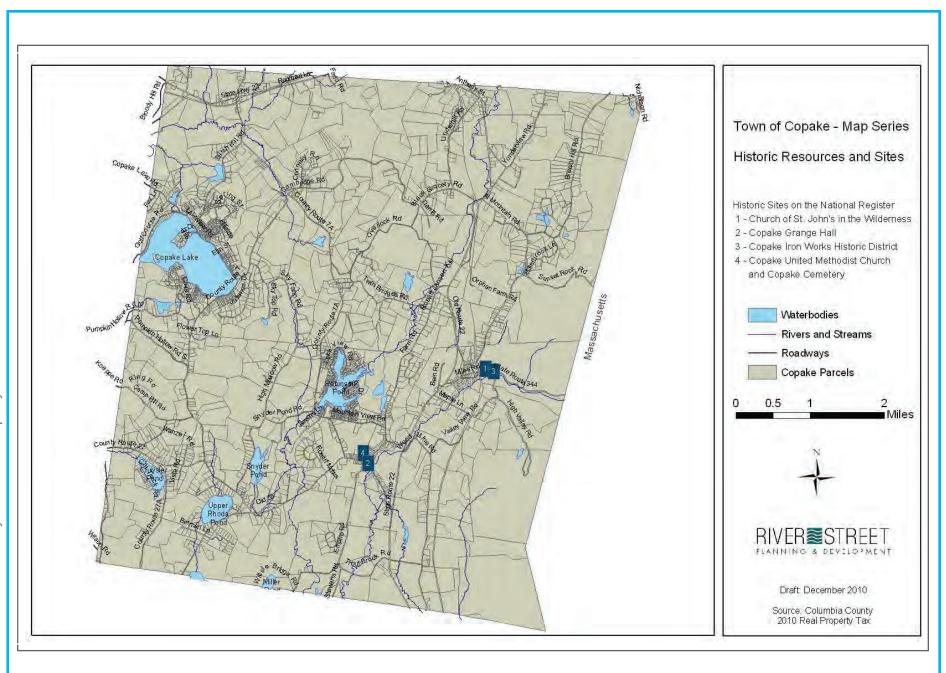
Source: Columbia County 2010 Real Property Tax



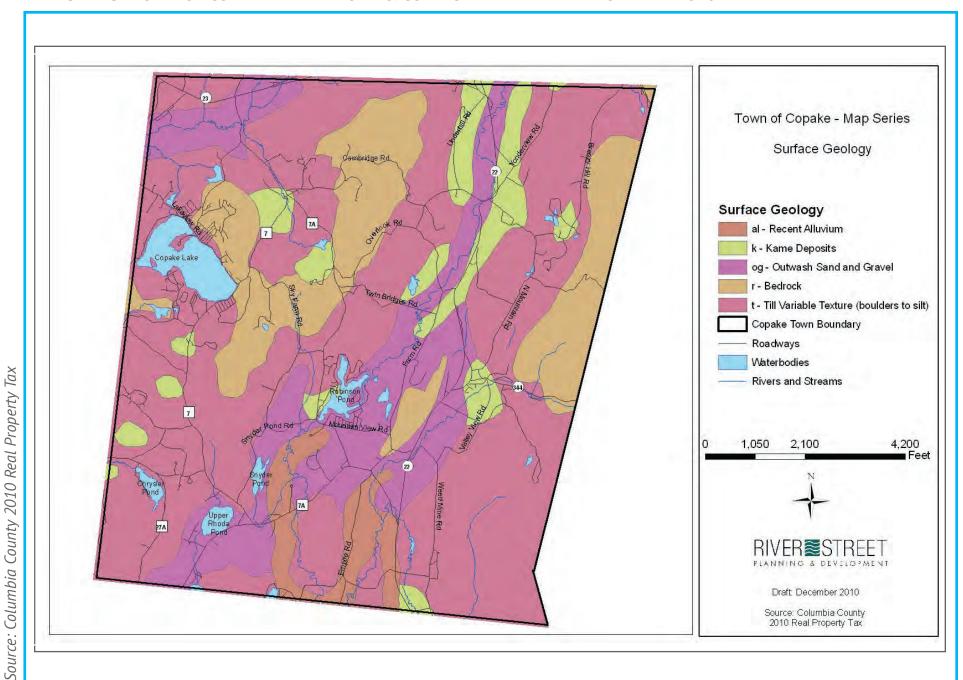
MAP 49: Roadways and Waterbodies in Town of Copake



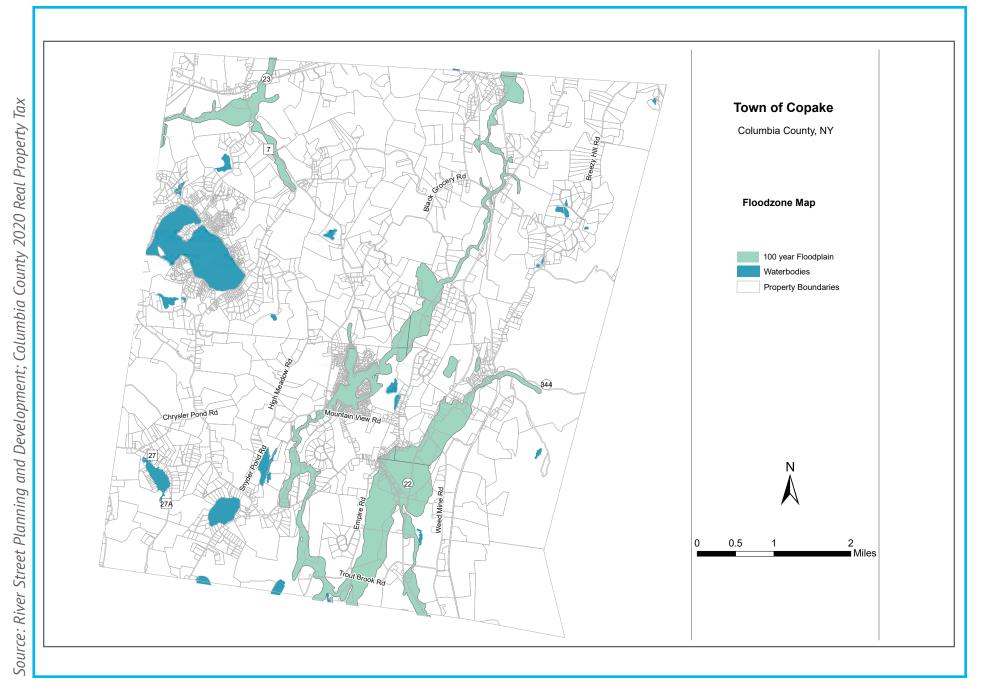
**MAP 50: Recreation and Community Services** 



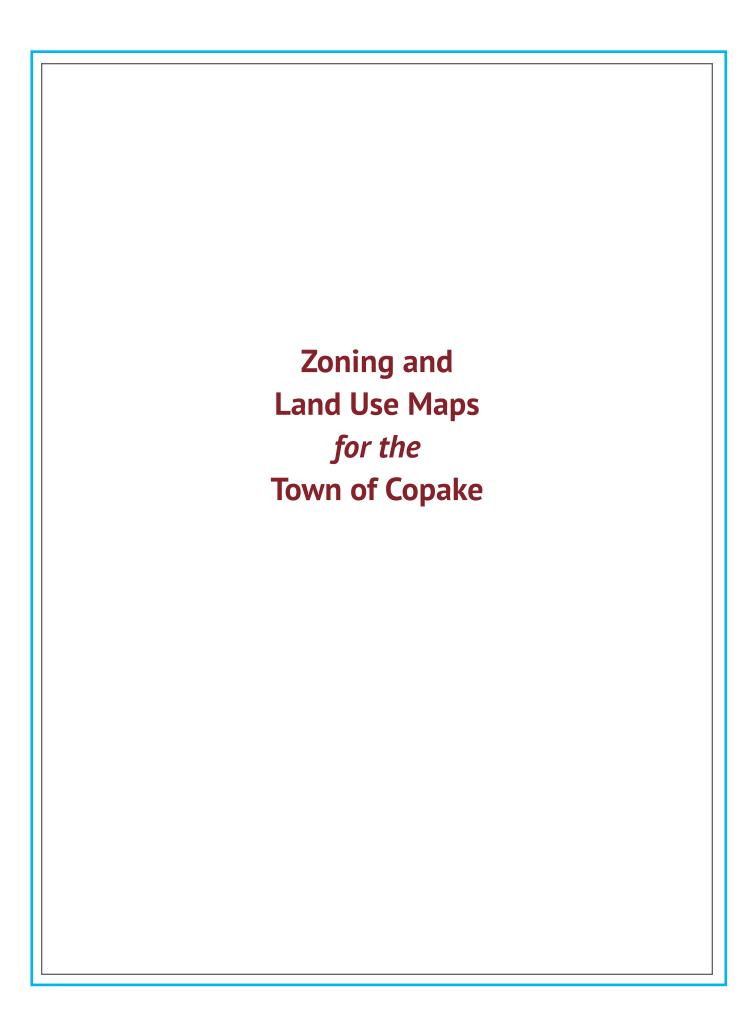
**MAP 51: Historic Resources and Sites in Town of Copake** 

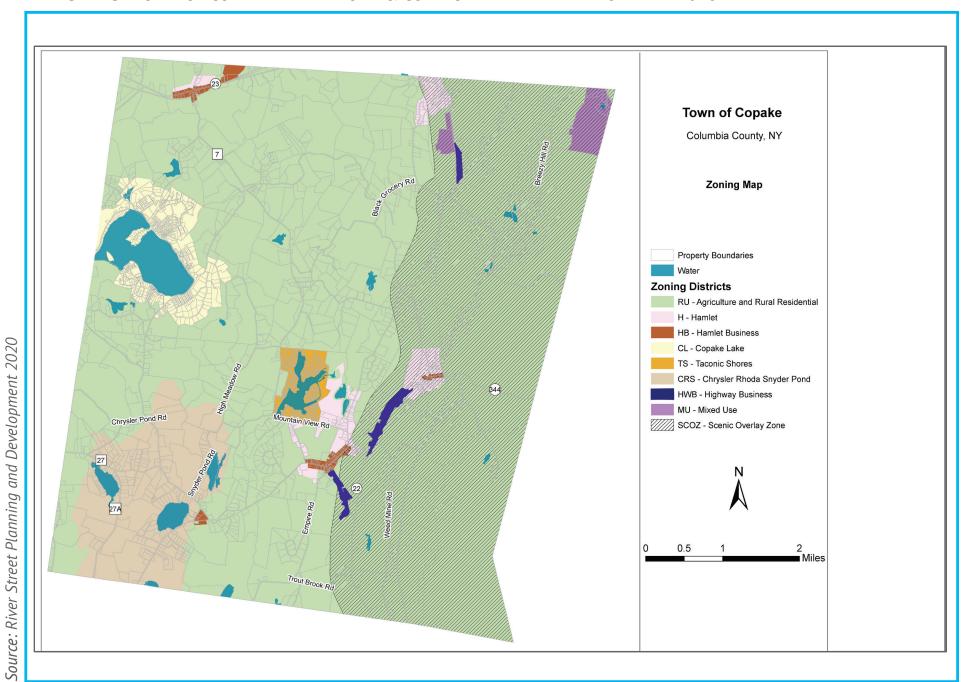


MAP 52: Surface Geology in Town of Copake



MAP 53: Town of Copake Flood Zones

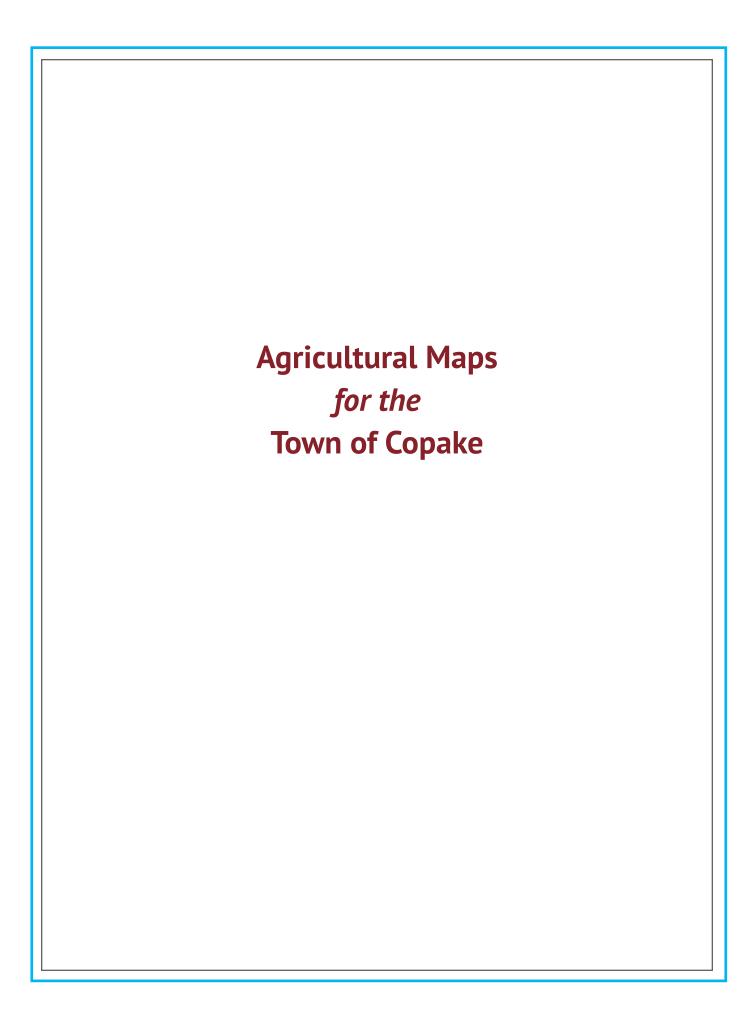


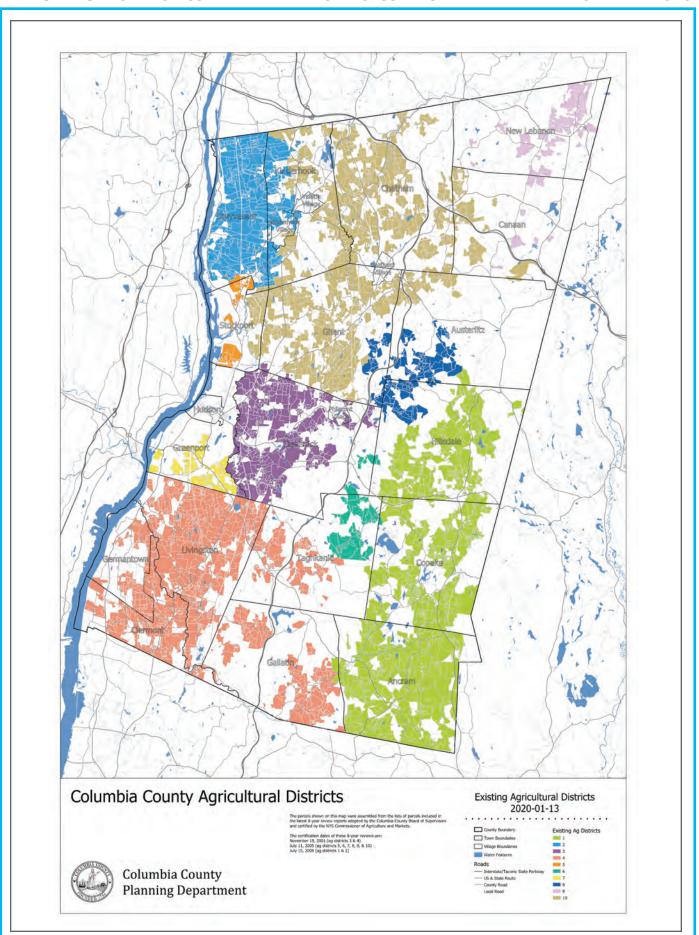


**MAP 54: Town of Copake Zoning Districts** 



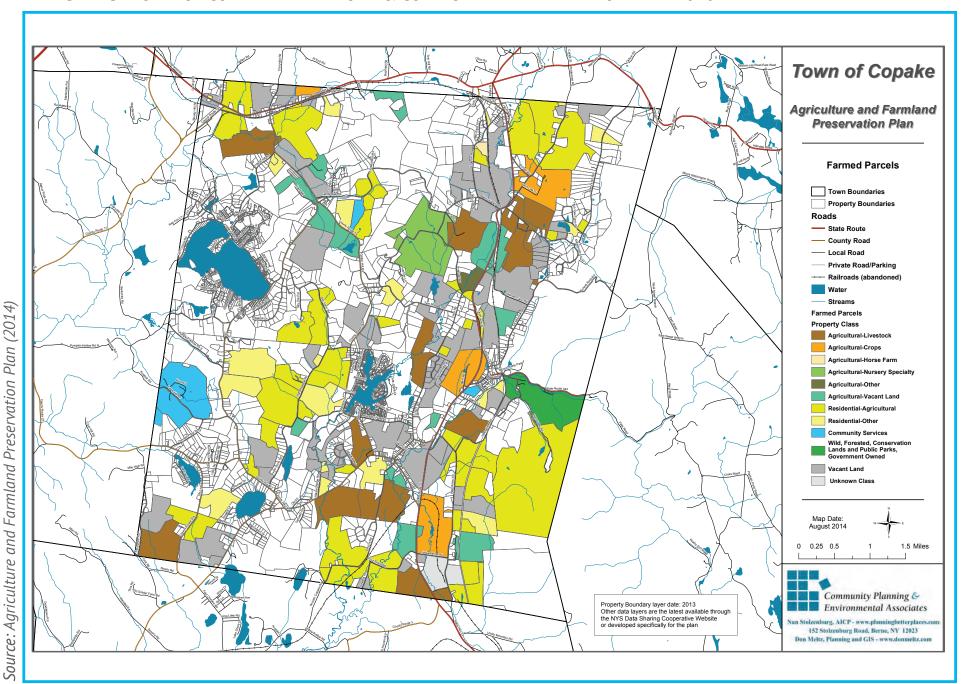
MAP 55: Town of Copake Land Use



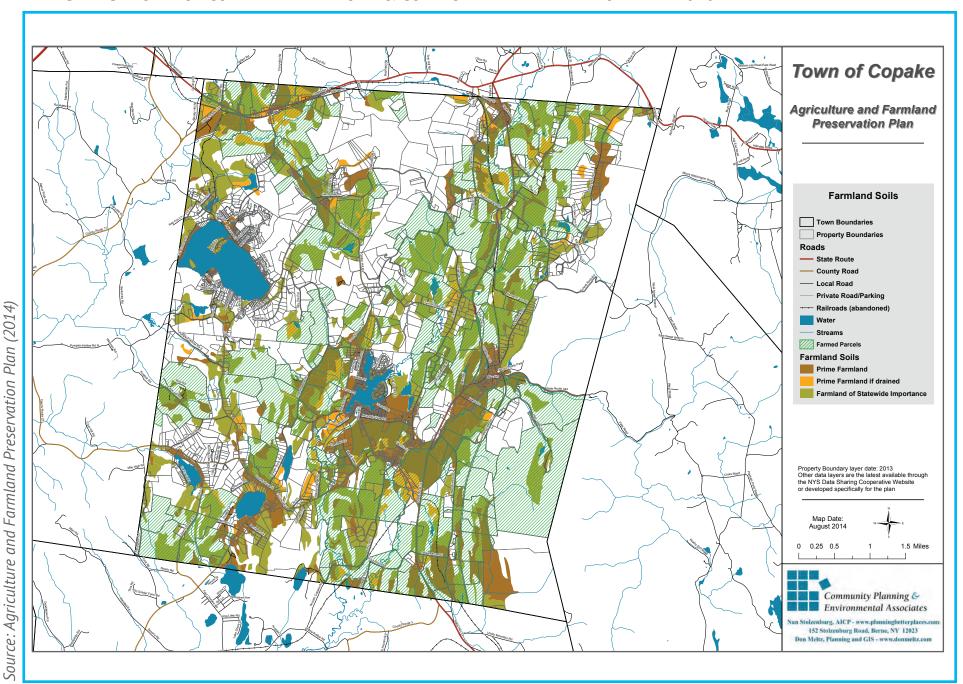


Source: Columbia County Planning Department

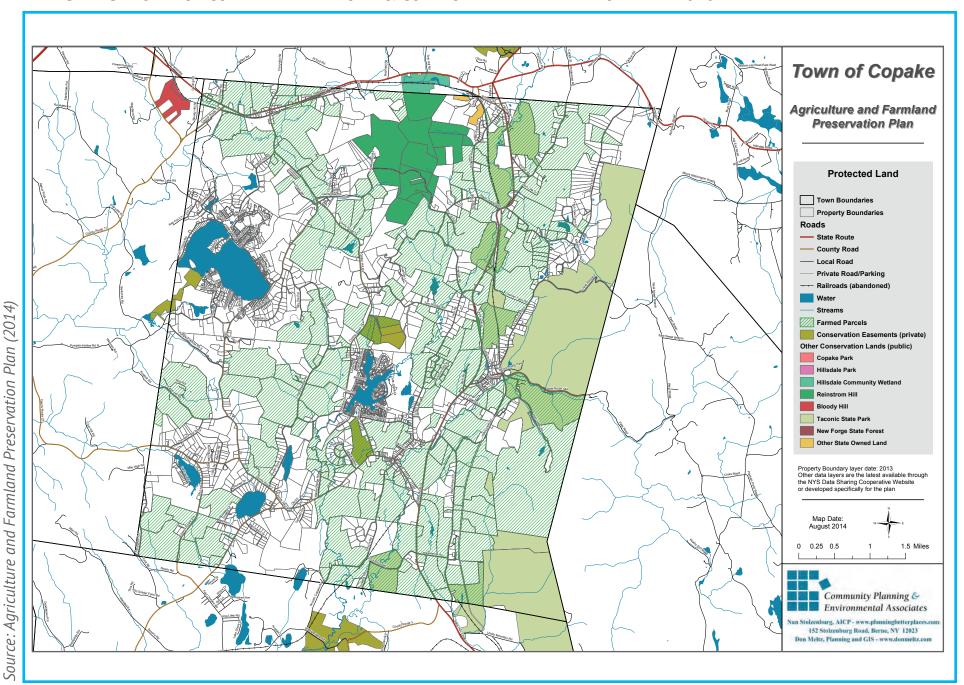
MAP 57: Agriculture and Farmland Preservation Plan - Aerial Photos



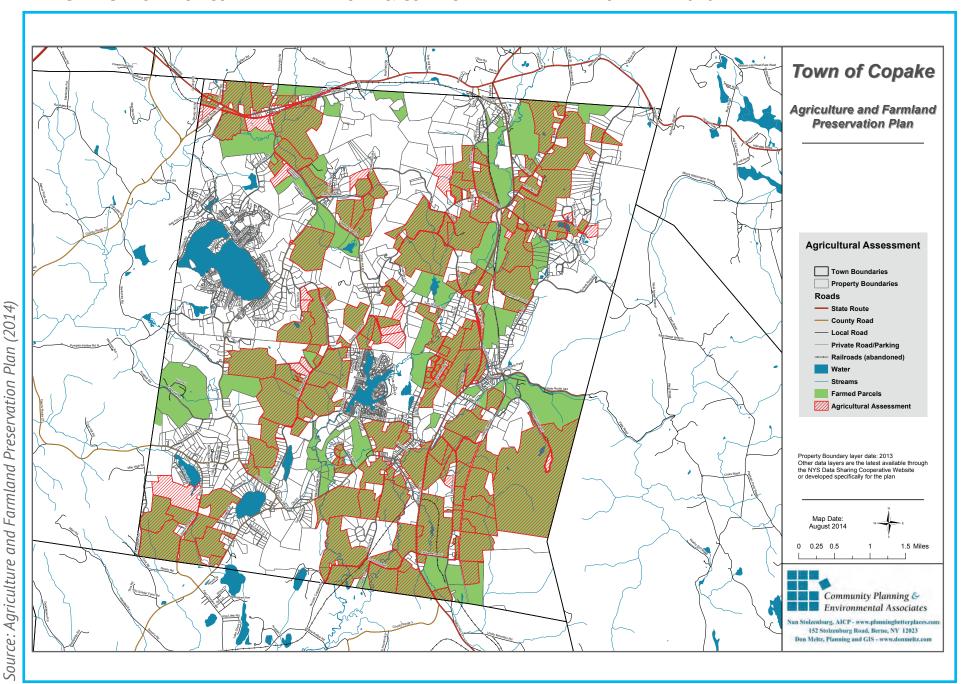
MAP 58: Agriculture and Farmland Preservation Plan - Farmed Parcels



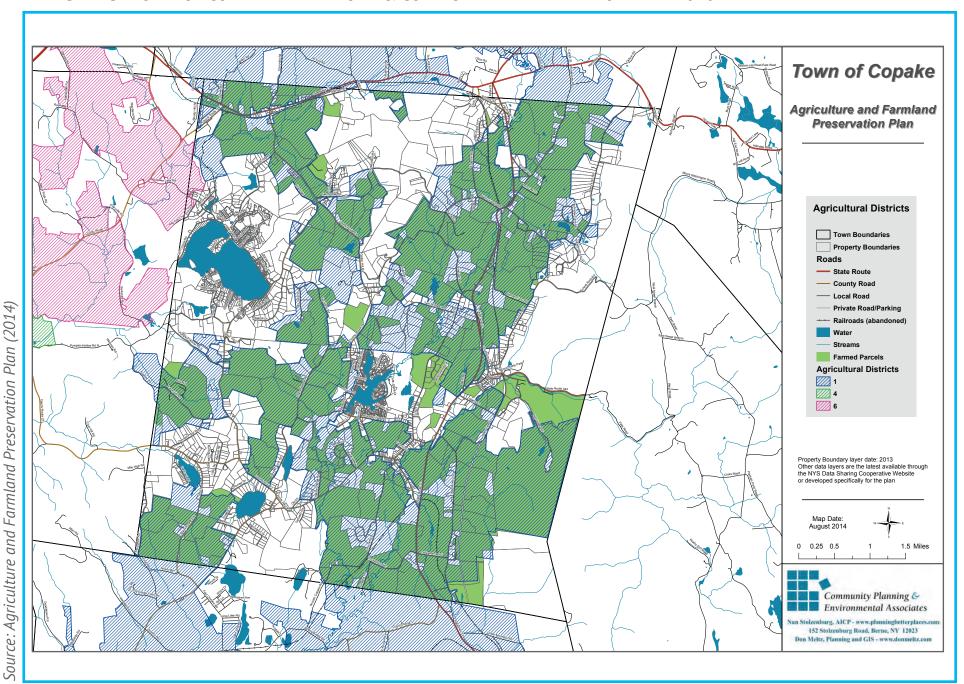
MAP 59: Agriculture and Farmland Preservation Plan - Farmland Soils



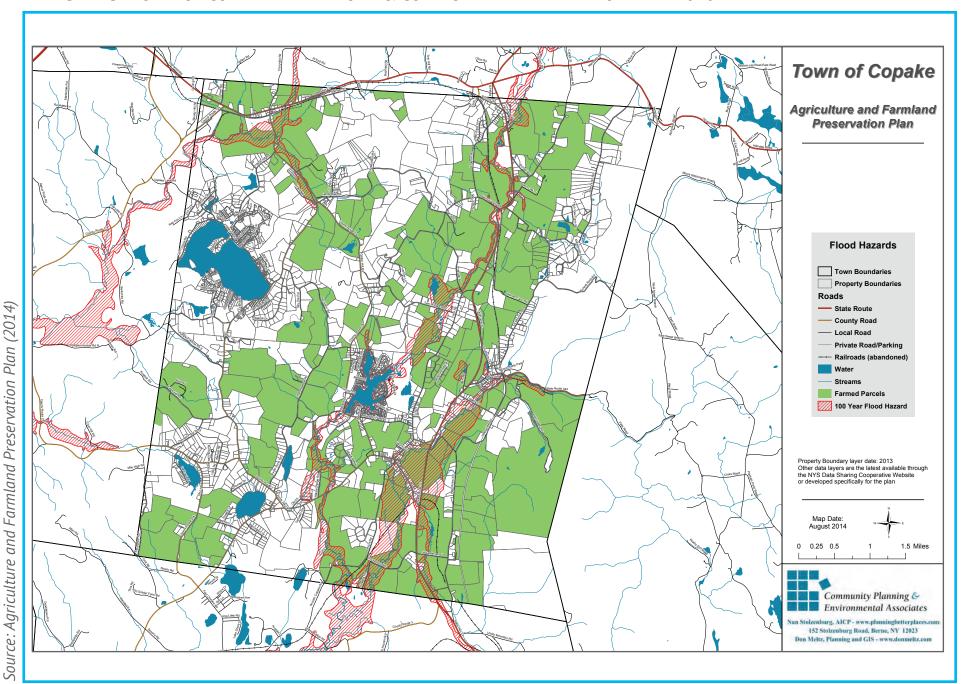
MAP 60: Agriculture and Farmland Preservation Plan - Protected Land



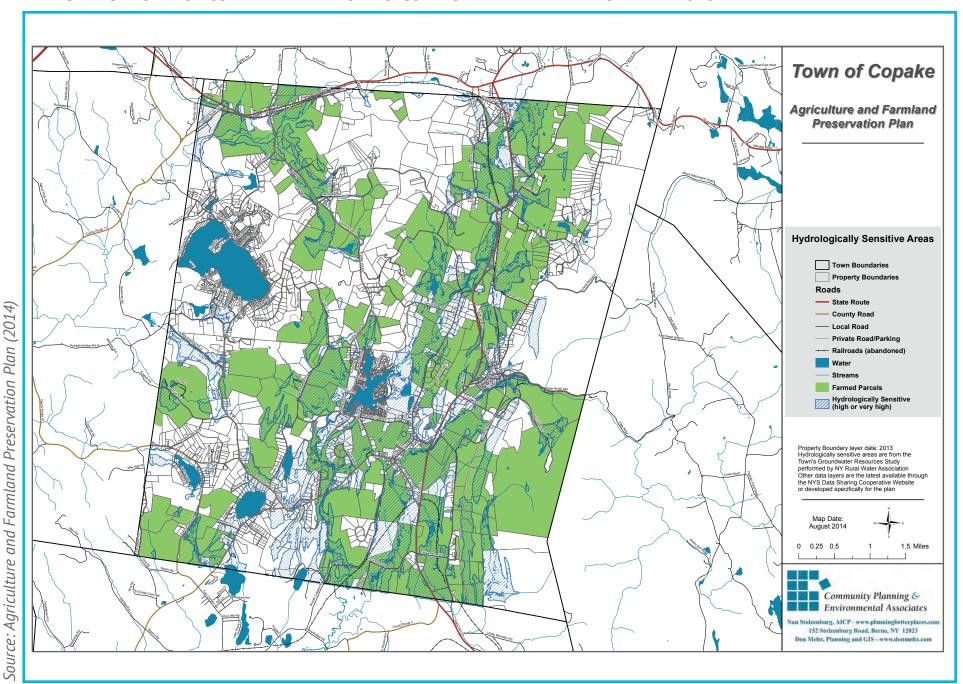
MAP 61: Agriculture and Farmland Preservation Plan - Agricultural Assessment



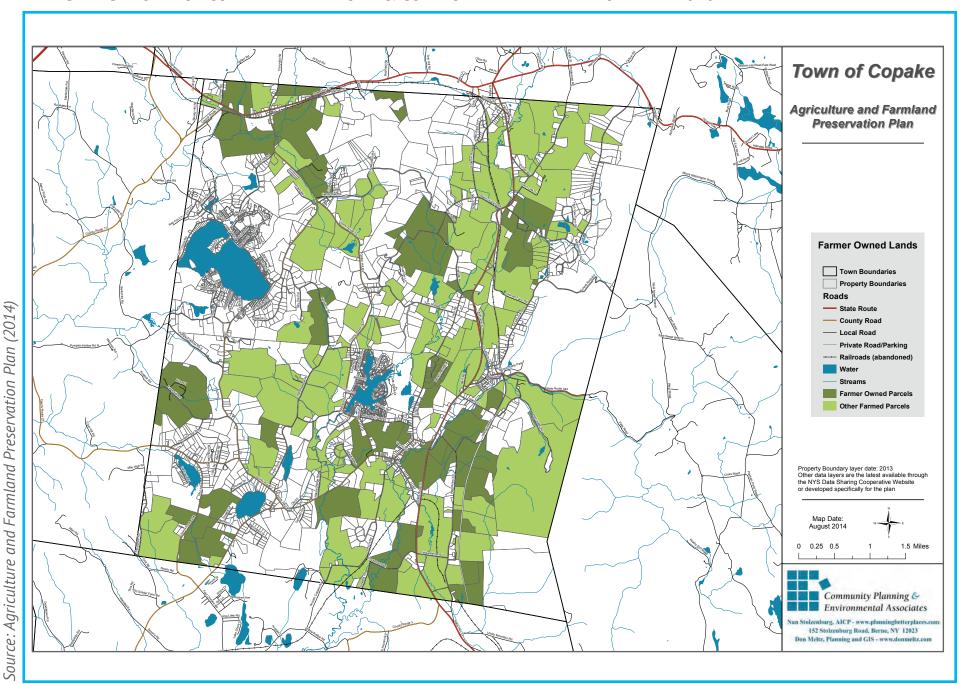
MAP 62: Agriculture and Farmland Preservation Plan - Agricultural Districts



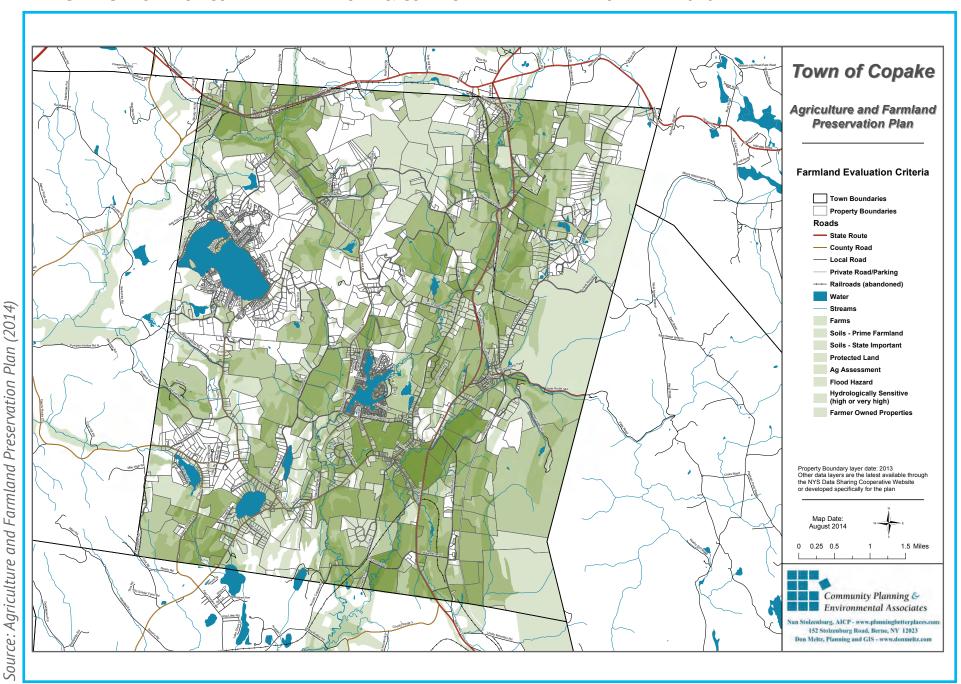
MAP 63: Agriculture and Farmland Preservation Plan - Flood Hazards



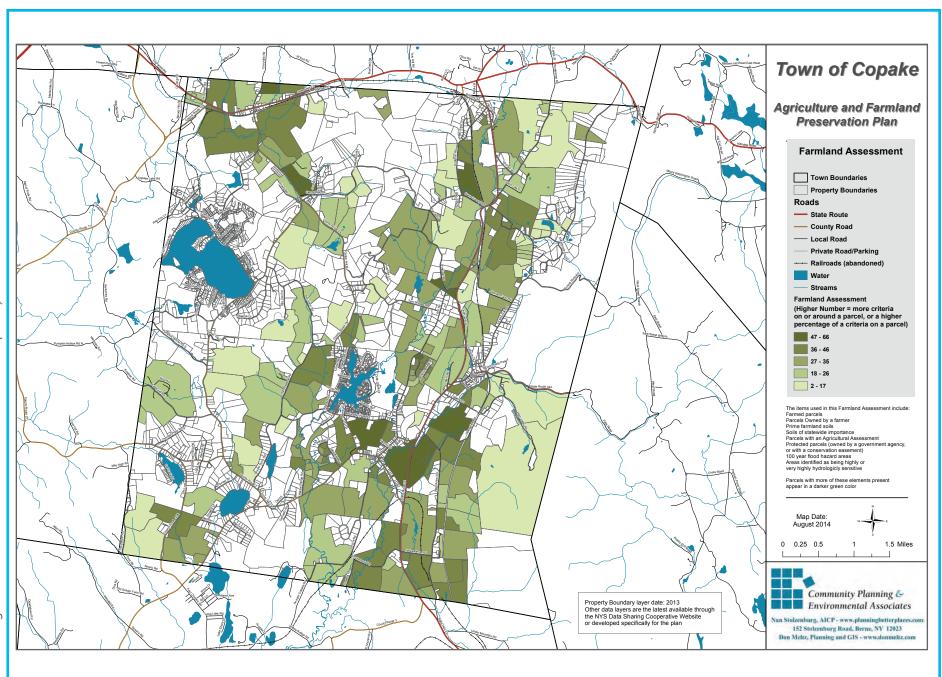
MAP 64: Agriculture and Farmland Preservation Plan - Hydrologically Sensitive Areas



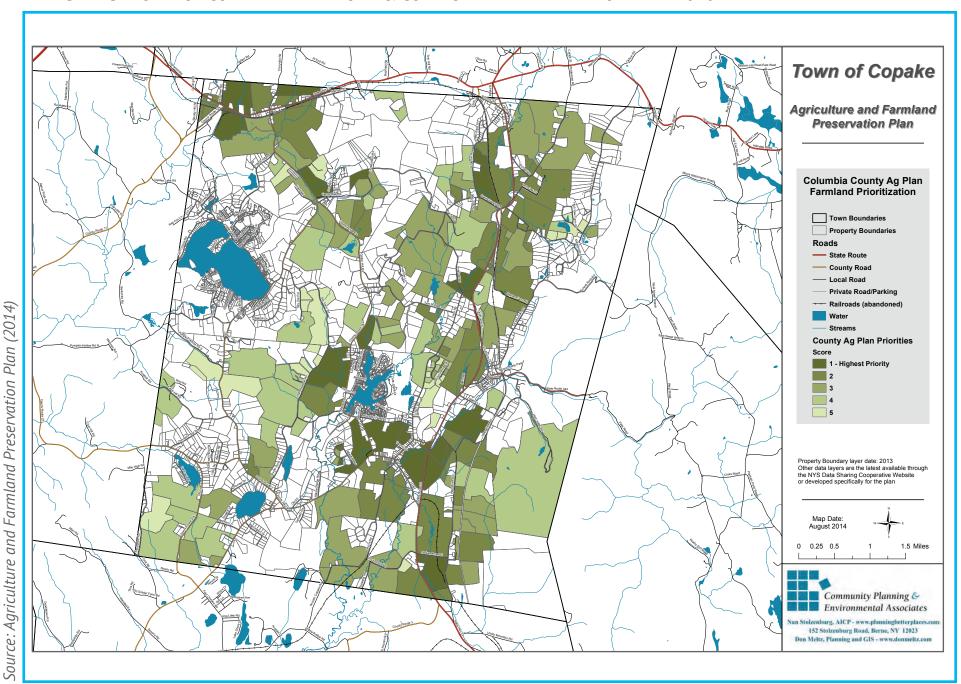
MAP 65: Agriculture and Farmland Preservation Plan - Farmer Owned Lands



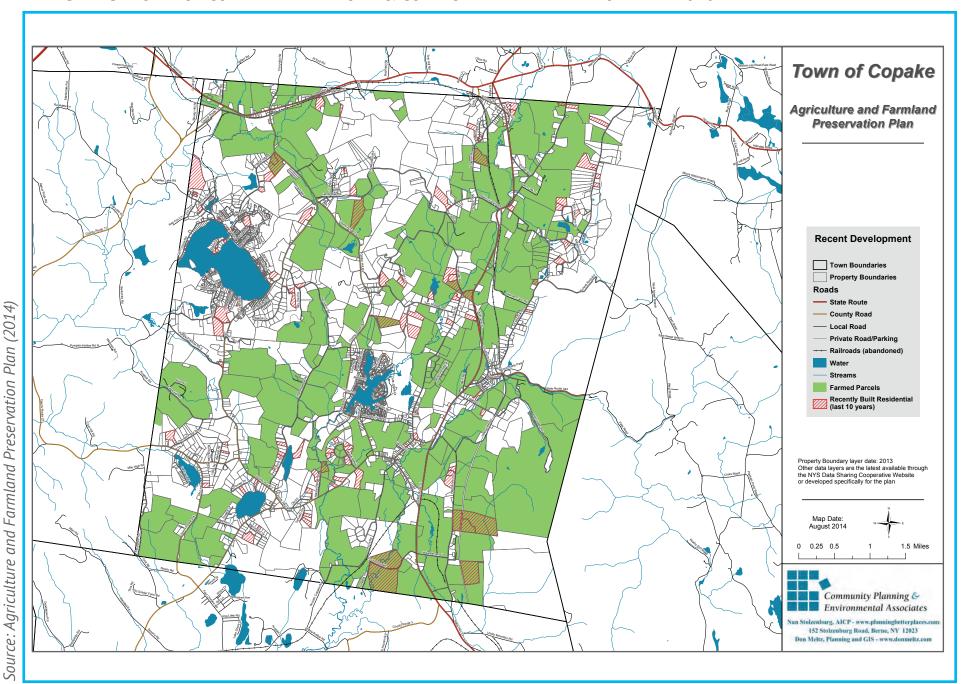
MAP 66: Agriculture and Farmland Preservation Plan - Farmland Evaluation Criteria



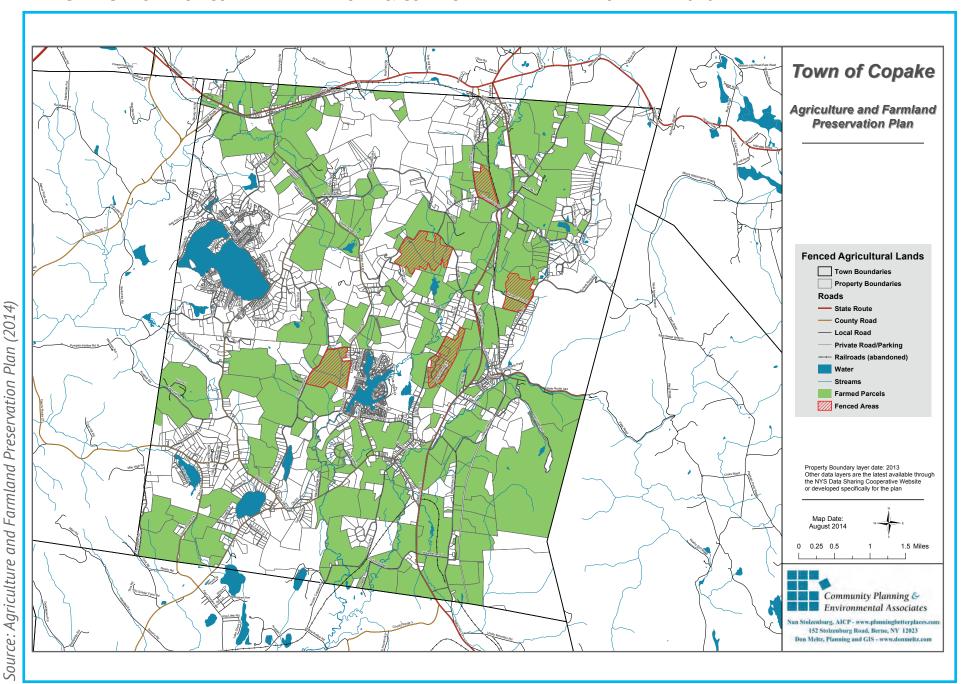
MAP 67: Agriculture and Farmland Preservation Plan - Farmland Assessment



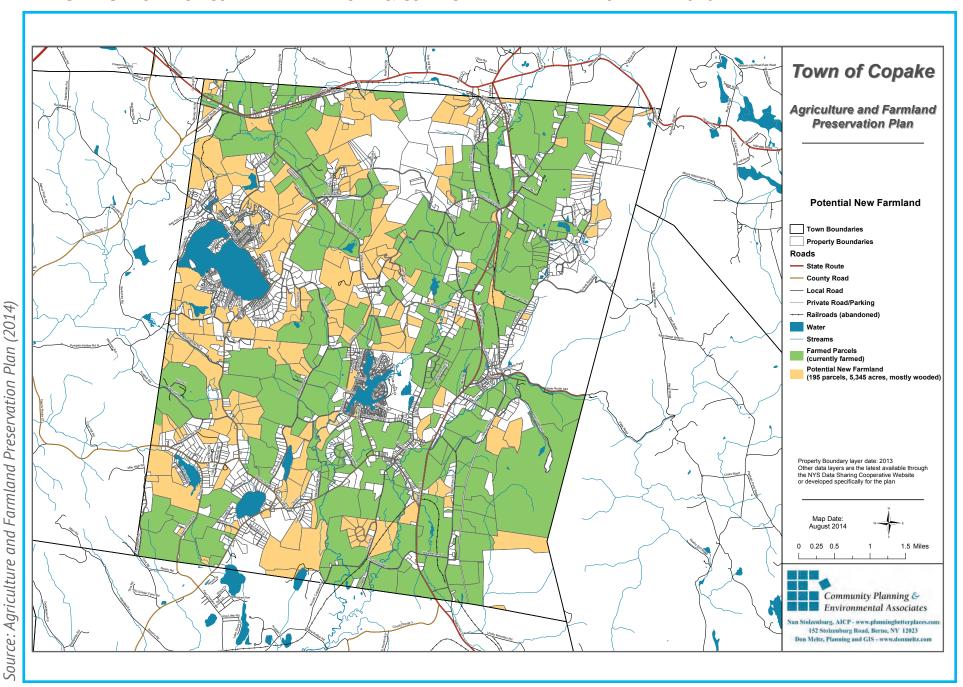
MAP 68: Agriculture and Farmland Preservation Plan - Columbia County Ag Plan Farmland Prioritization



MAP 69: Agriculture and Farmland Preservation Plan - Recent Development



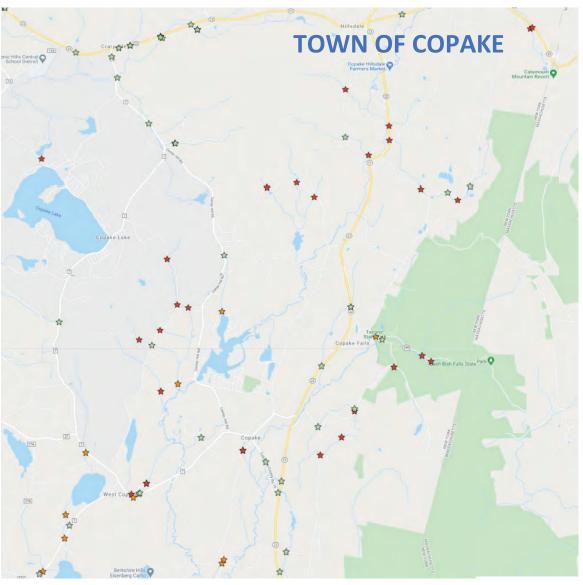
MAP 70: Agriculture and Farmland Preservation Plan - Fenced Agricultural Lands



MAP 71: Agriculture and Farmland Preservation Plan - Potential New Farmland

# **Aquatic Connectivity in the Hudson River Estuary Watershed**

The Biologically Important Barriers and the Culverts Prioritization Project included the Water Resources Institute/NYSDEC Hudson River Estuary Program, and many partner organizations. Copake's culverts were inventoried and classified as insignificant, moderately significant, and significant are barriers to organisms and fragment streams. The inventory is accessible at at https://wri.cals.cornell.edu/hudson-riverestuary/watershed-management/aquatic-connectivity-and-barrier-removal-culvert-dams/





**ROAD STREAM CROSSING: INSIGNIFICANT BARRIER** 

ROAD STREAM BARRIER: MODERATELY SIGNIFICANT BARRIER

ROAD STREAM BARRIER: SIGNIFICANT BARRIER