



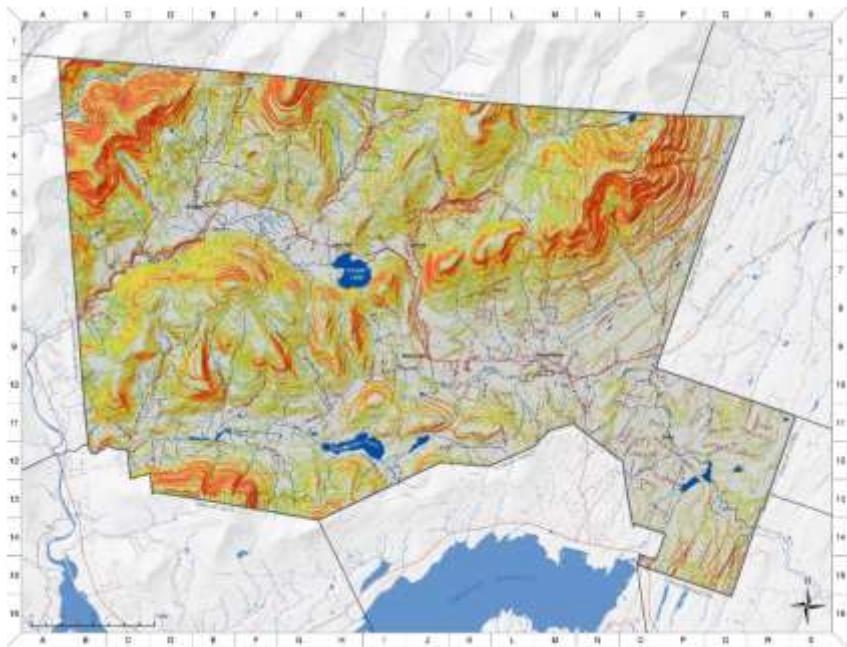
Department of
Environmental
Conservation

Hudson River
Estuary Program

Town of Woodstock Natural Resources Inventory Project



Ashokan Watershed
Stream Management Program



Ingrid Haeckel
Conservation & Land Use Specialist
Hudson River Estuary Program/Cornell University

June 16, 2020

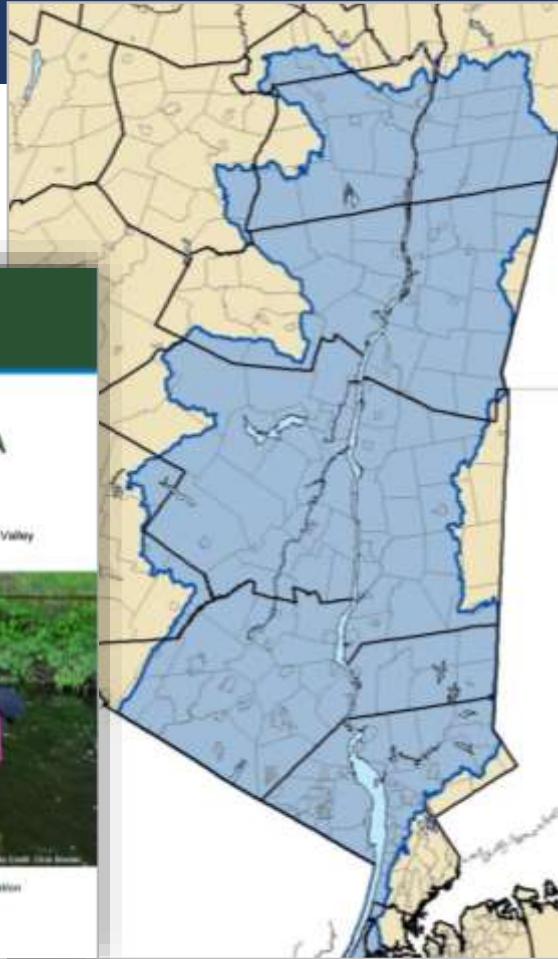
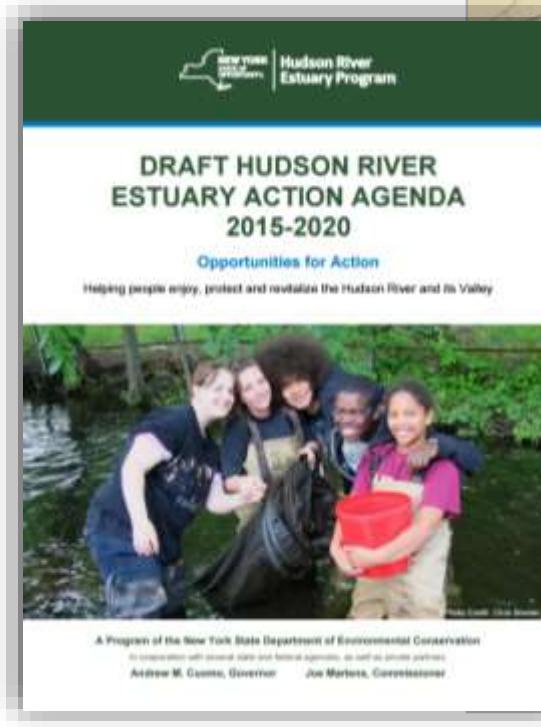


Cornell University

Hudson River Estuary Program

Working to achieve key benefits:

- clean water
- resilient communities
- vital estuary ecosystem
- fish, wildlife, and habitat
- natural scenery
- education, access, recreation, and inspiration



Department of
Environmental
Conservation

Hudson River
Estuary Program

identify what
you have



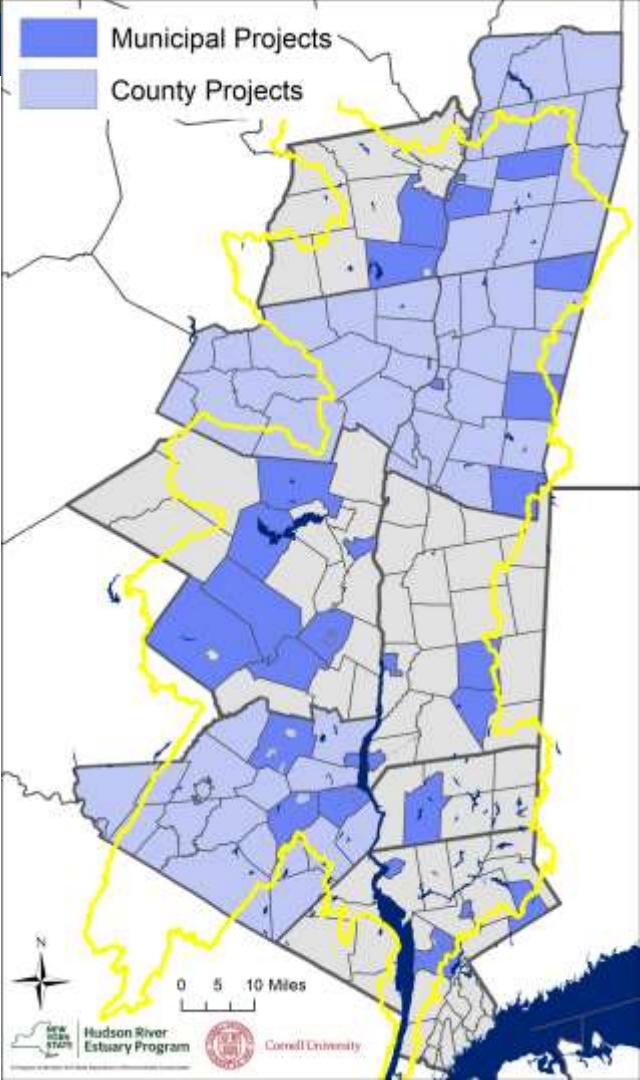
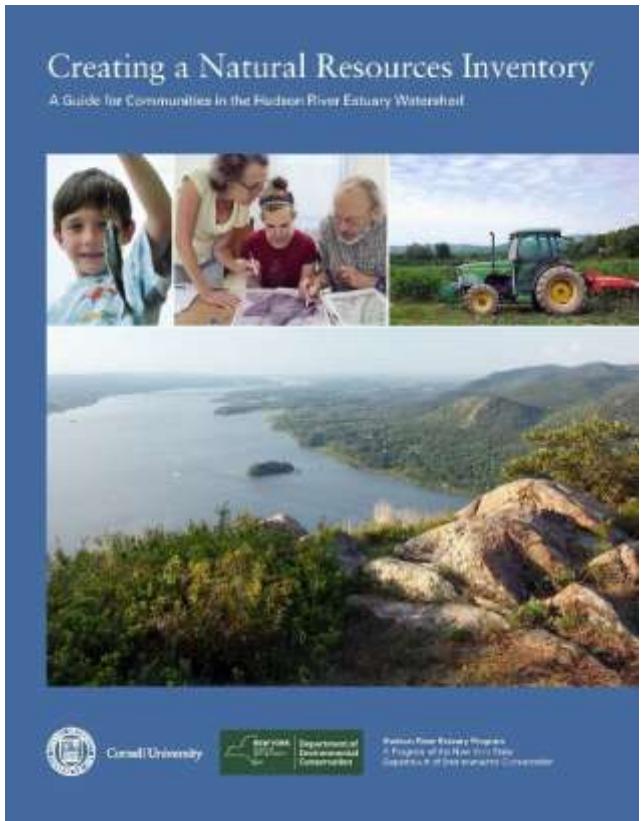
prioritize



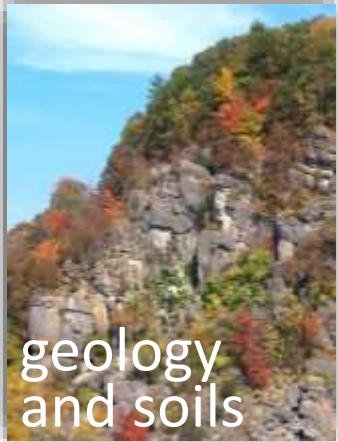
plan, protect,
manage



identify what you have



What is a Natural Resources Inventory (NRI)?



geology
and soils



water
resources



habitats &
wildlife



Land Use



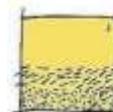
climate conditions



cultural
resources

NRI Project Participants

- Ingrid Haeckel and Nate Nardi-Cyrus, DEC Hudson River Estuary Program/Cornell University
- Tim Koch - Ashokan Watershed Stream Management Program
- Ben Ganon – Ulster County Dept. of the Environment
- Grant Jiang – NYS Dept. of Health
- Volunteers from:
 - Woodstock Environmental Commission
 - Woodstock Climate Smart Communities
 - Woodstock Land Conservancy
 - Ken Panza, Jerry Washington



WOODSTOCK LAND CONSERVANCY



Ashokan Watershed
Stream Management Program

Woodstock Natural Resources Inventory Goals



- unified reference for planning, designing, and reviewing new development
- foundation for land use policy and climate adaptation planning
- cultivate stewardship of resources

Local Data Sources

- Town Comprehensive Plan
- Winkley Aquifer Study
- Horsely Wellhead Protection Report
- Water District Maps
- Sawkill Watershed Study
- AWSMP Stream Management Plans
- AWSMP culvert assessments
- Hudsonia Habitat Map

SIGNIFICANT HABITATS
IN THE TOWN OF WOODSTOCK,
ULSTER COUNTY, NEW YORK



Report to the Town of Woodstock, the New York State Department of Environmental Conservation, the Ashokan Watershed Stream Management Program, and the Catskill Watershed Corporation

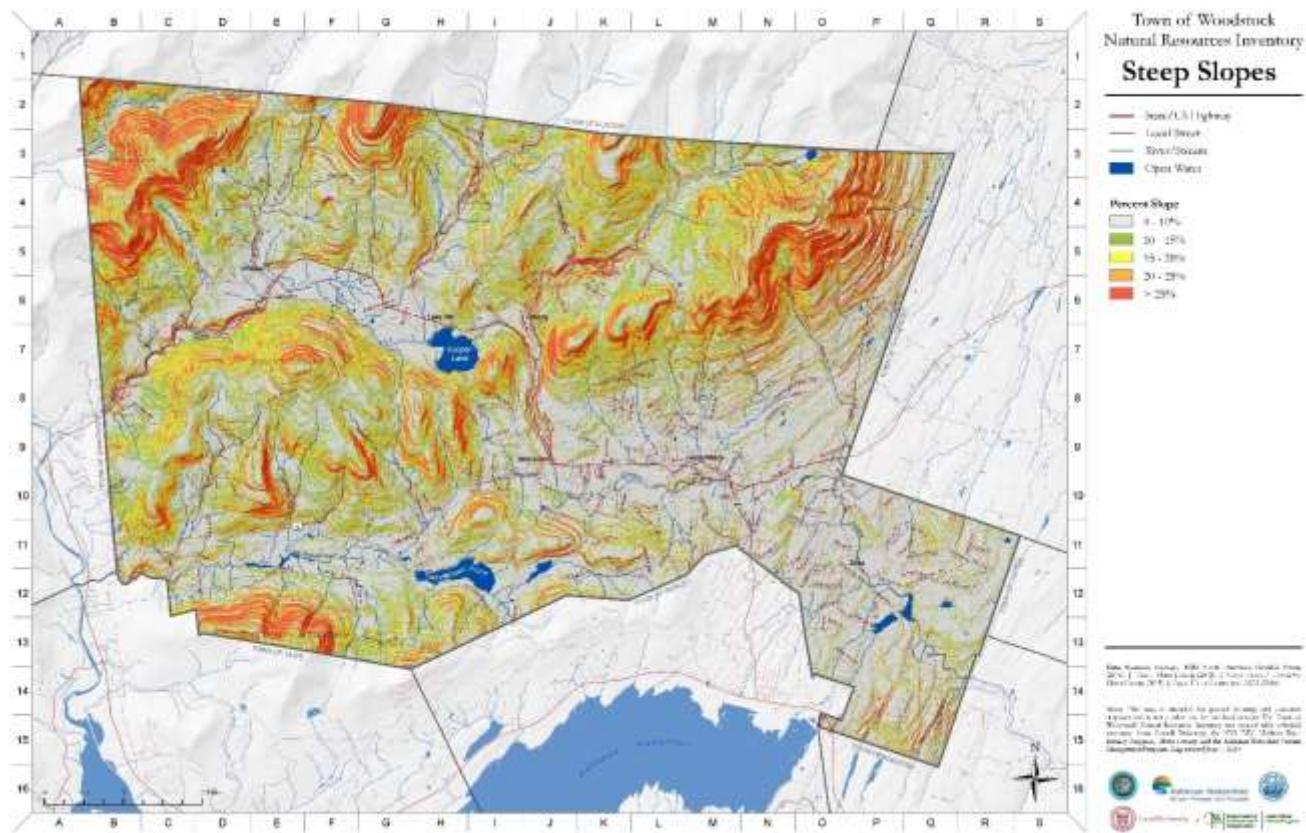
by Ingrid Haeckel, Othoniel Vázquez Domínguez, and Gretchen Stevens
September 2012



Hudsonia Ltd.
PO Box 5000
Annandale, NY 12504

22 NRI maps (Link on Town Website)

- With and Without Parcels
- Written descriptions of each map



Physical Setting

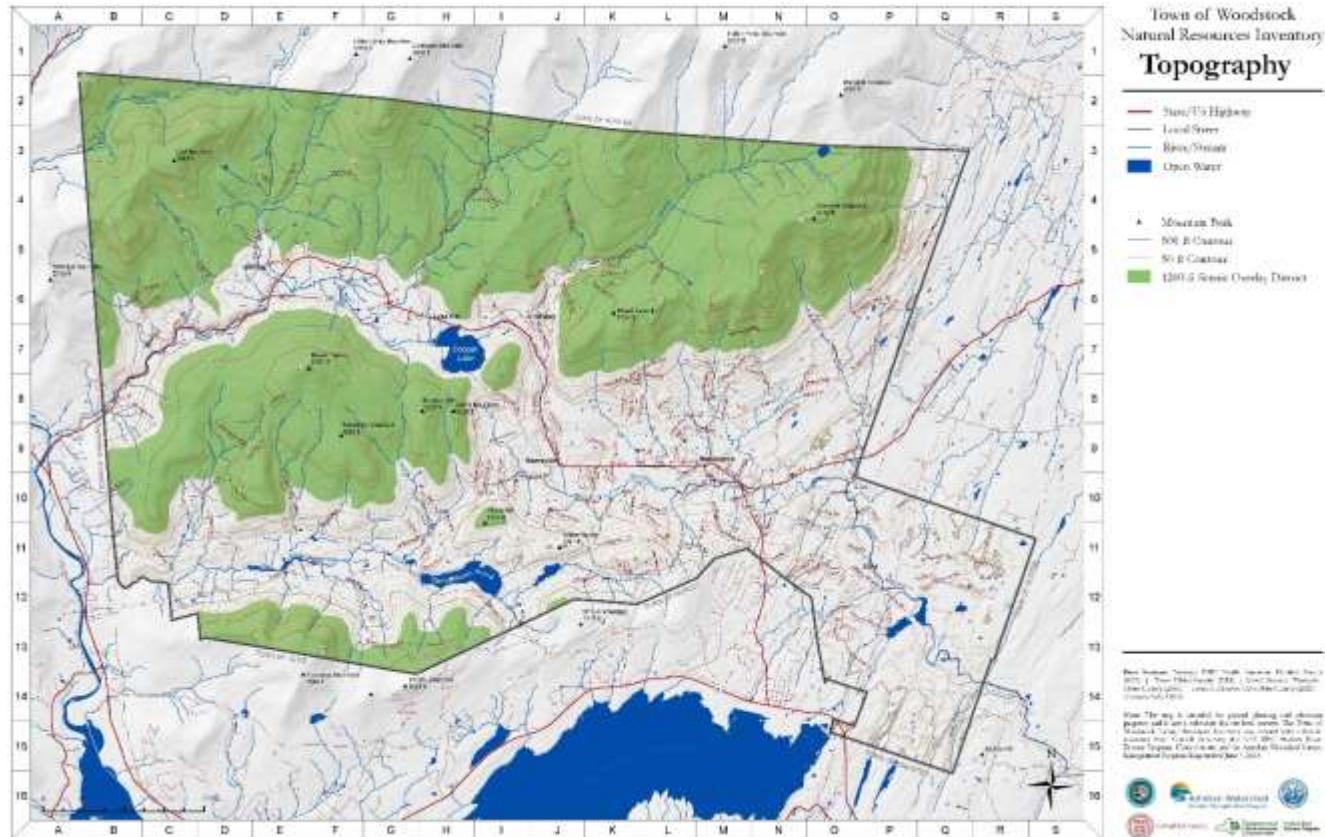
Maps included in this section:

- Topography
- Steep Slopes
- Bedrock Geology
- Surficial Geology and Glacial Deposits
- Soils

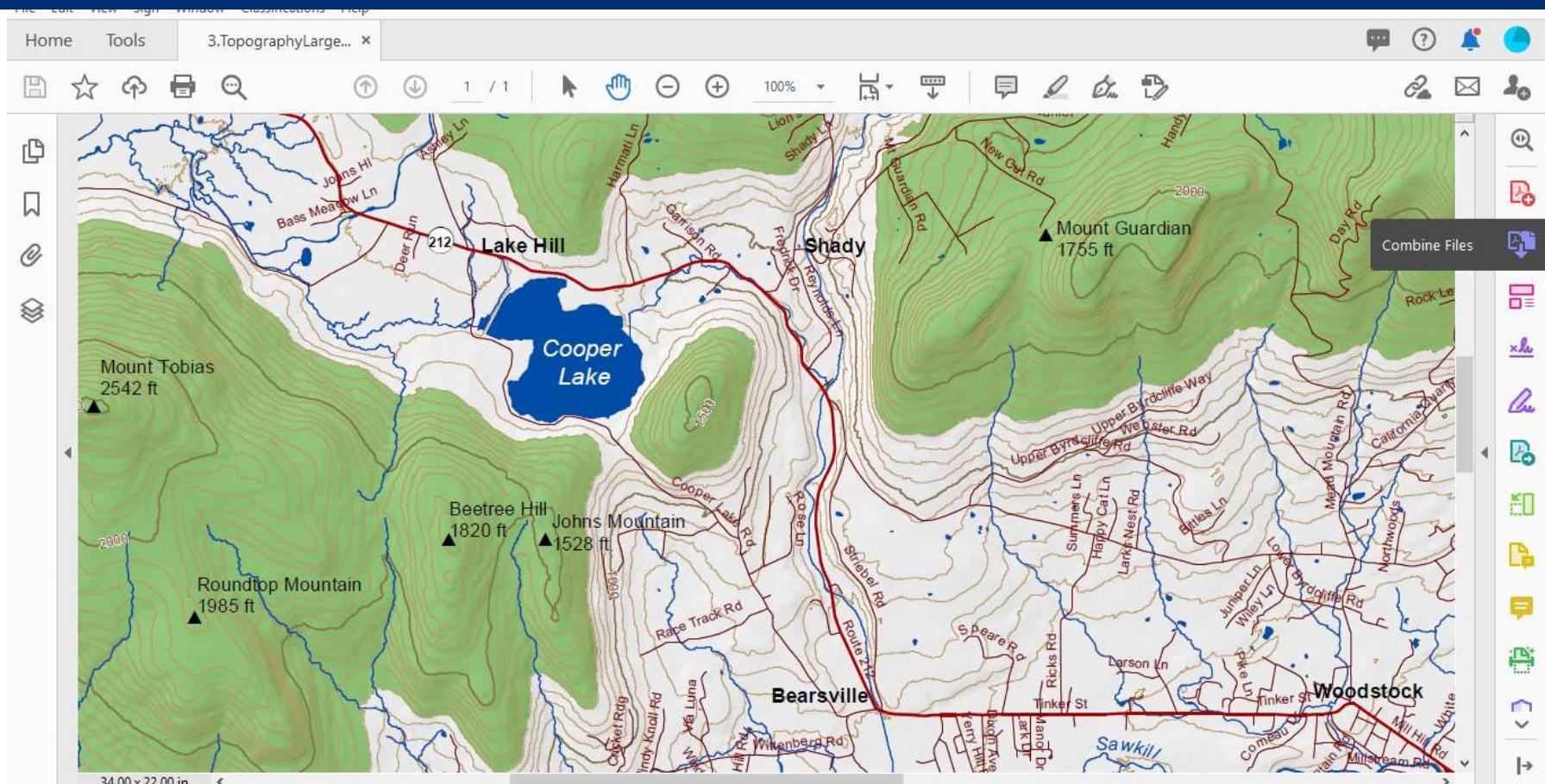


Photo by Ingrid Haeckel

Topography



Topography



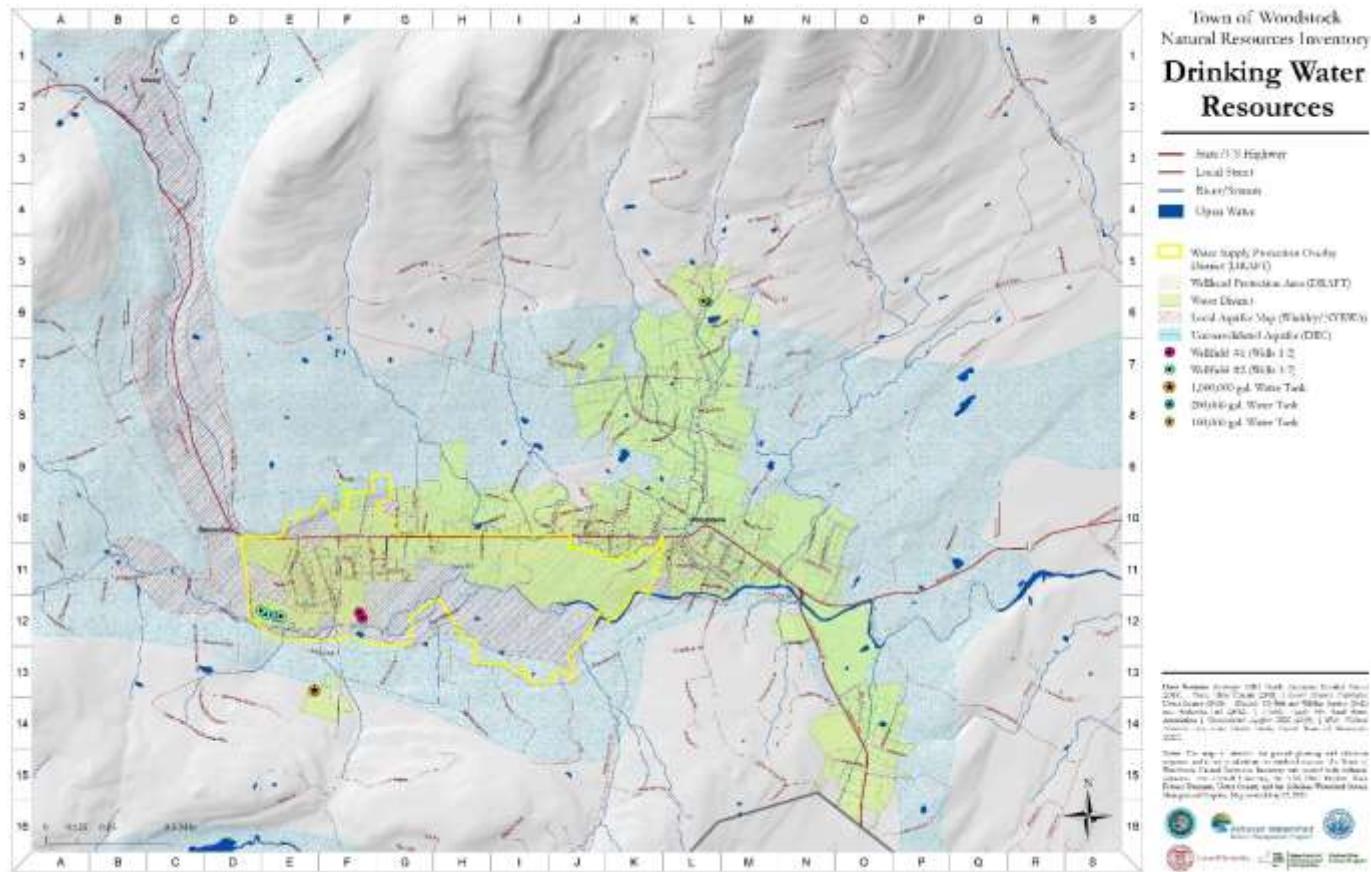
Water Resources

Maps included in this section:

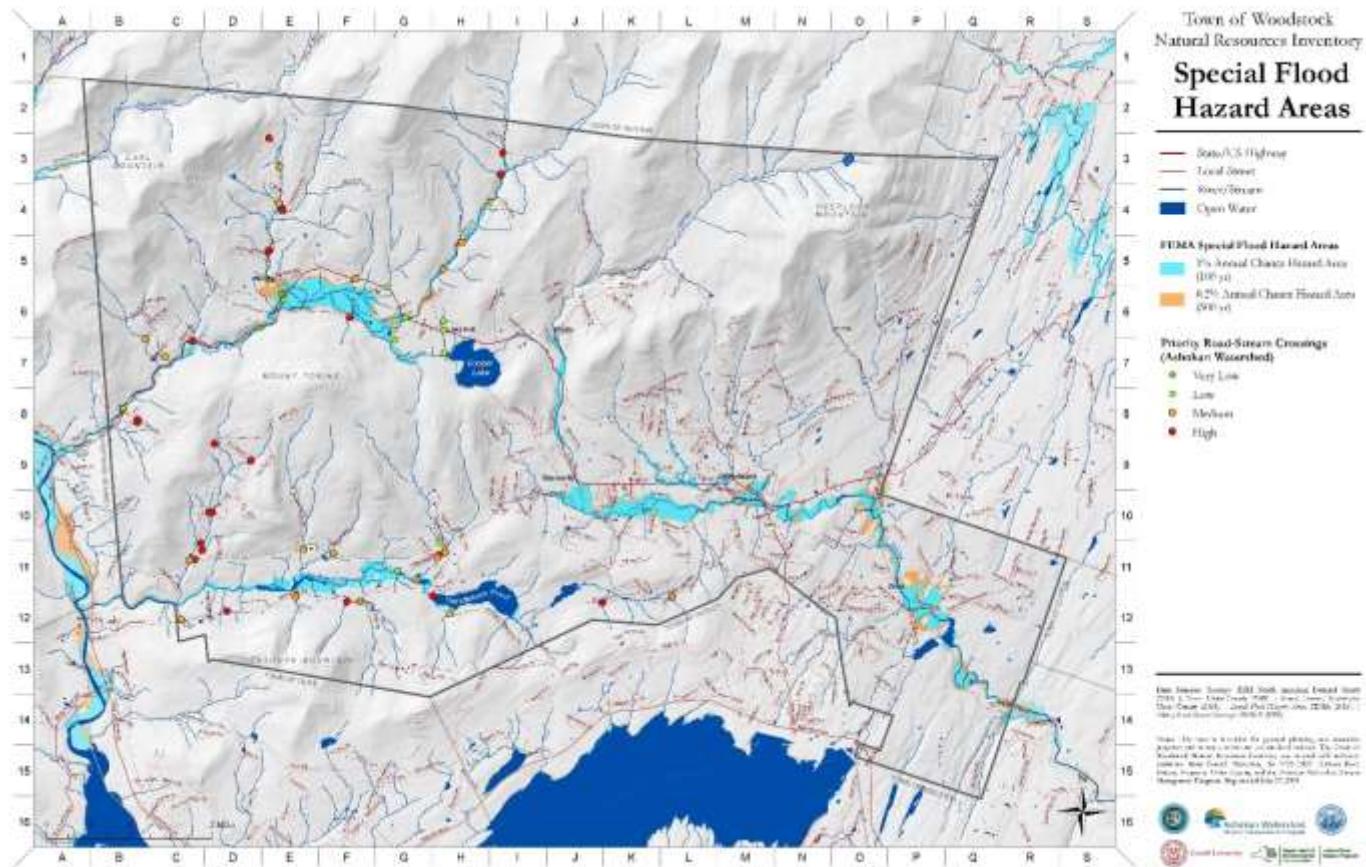
- Aquifers
- Drinking Water Resources
- Watersheds & Riparian Buffers
- Water Quality Classifications
- Special Flood Hazard Areas
- Stream Management Units
- Stream Habitats
- Wetlands



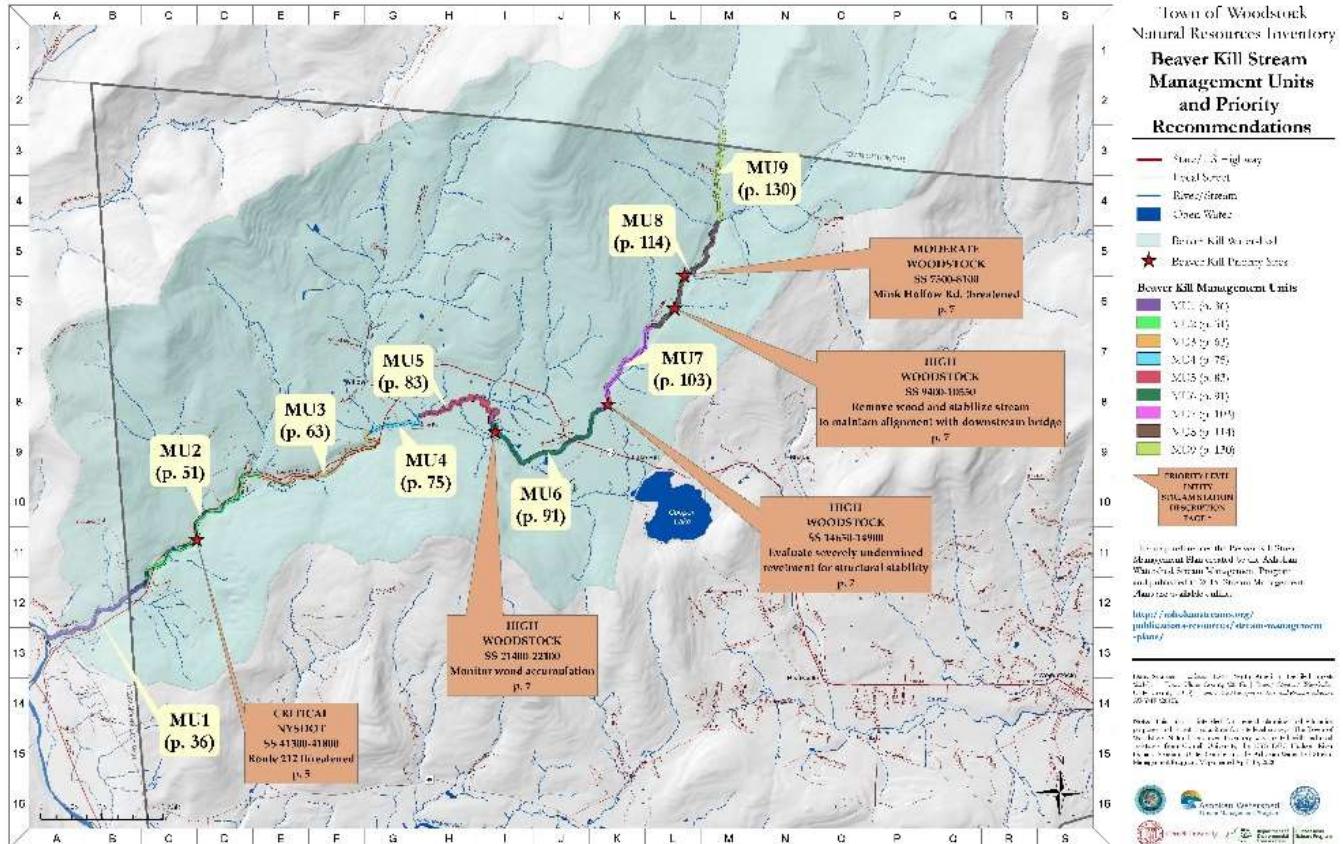
Drinking Water Resources



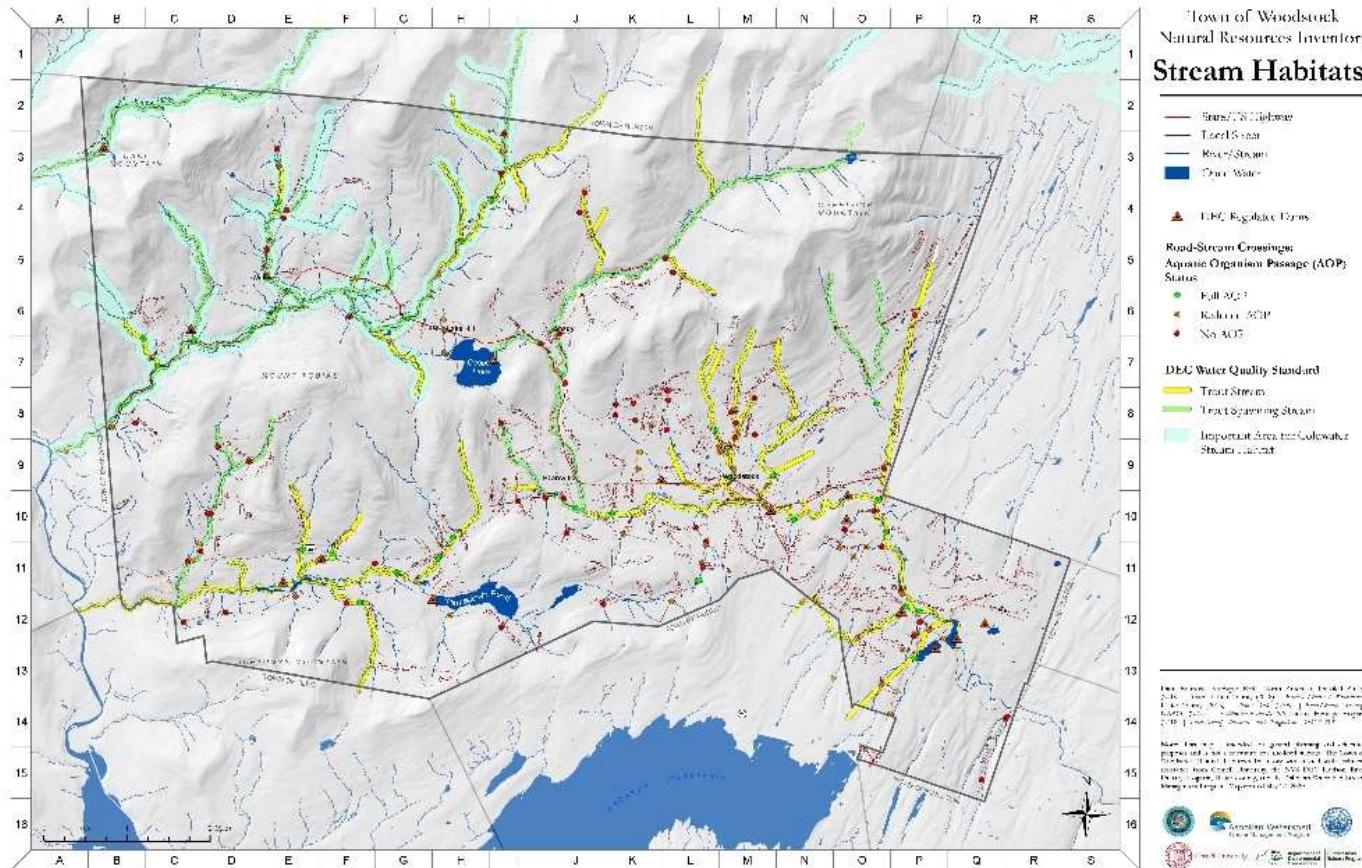
Flood Hazard Areas



Stream Management Units



Stream Habitats



Habitats & Wildlife

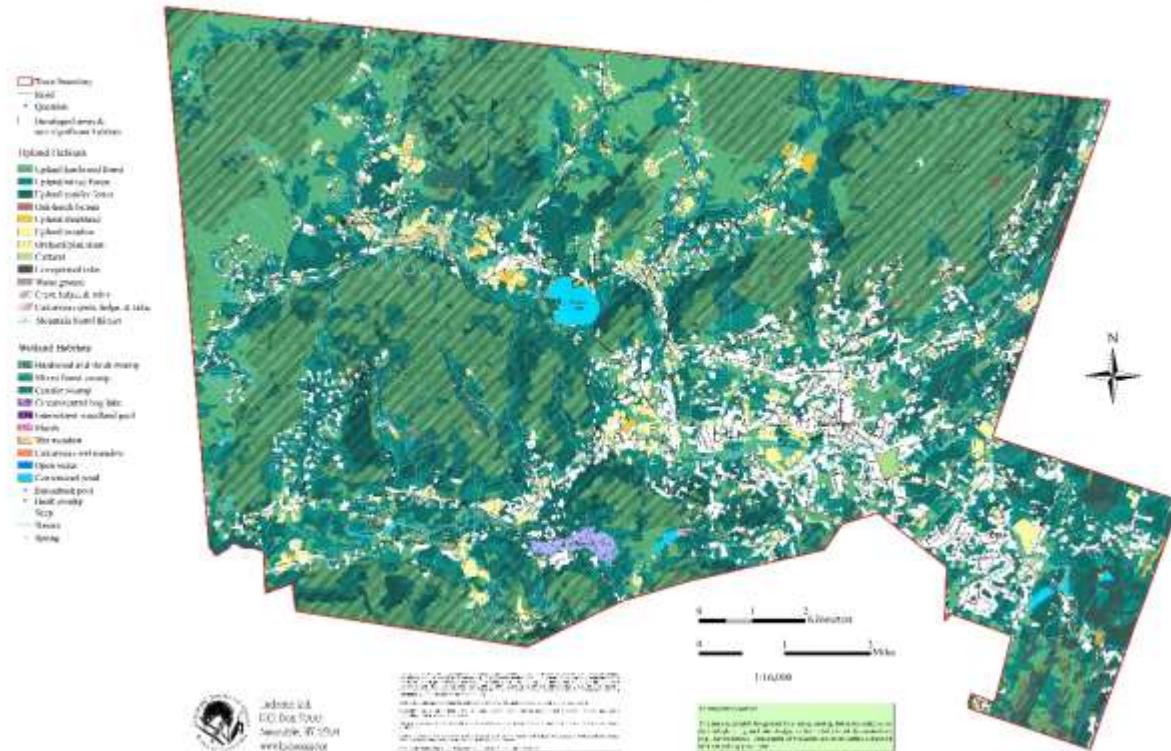
- Maps included in this section:
 - Landscape Context
 - Habitats
 - Important Biodiversity Areas
 - Large Forests
 - Natural Features for Climate Adaptation



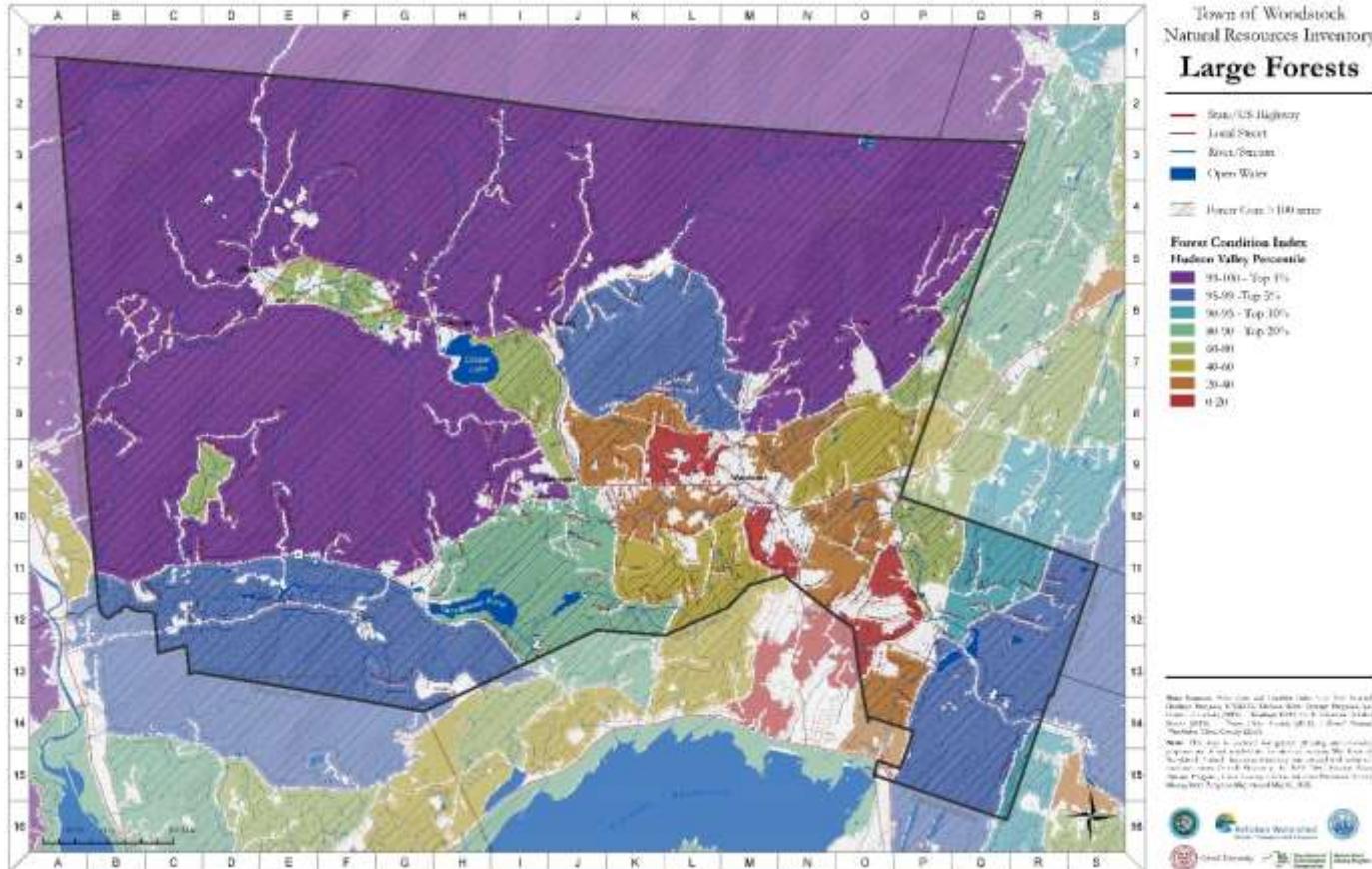
Habitats

SIGNIFICANT HABITATS IN THE TOWN OF WOODSTOCK, NY

(For greater detail see sheets 1-4)

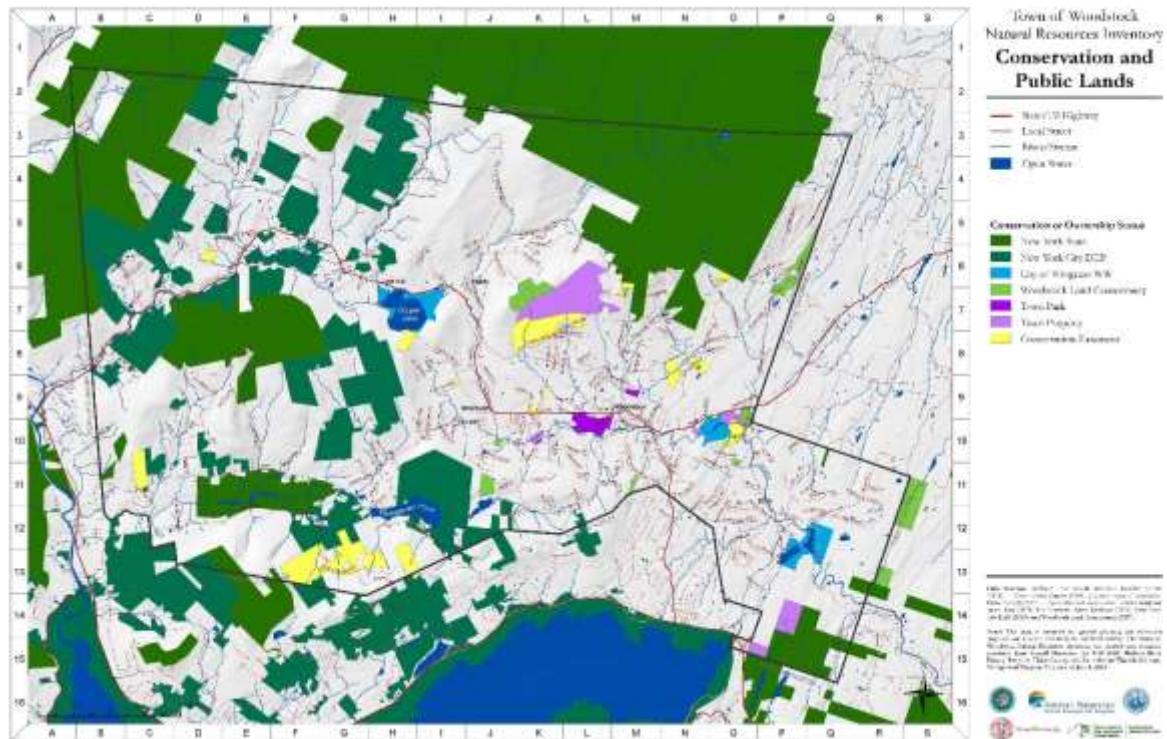


Large Forests



Land Use

- Maps included in this section:
 - Agricultural Resources
 - Conservation and Public Lands



NRI Project Timeline

January 2020

Town Board
Resolution

Spring 2020

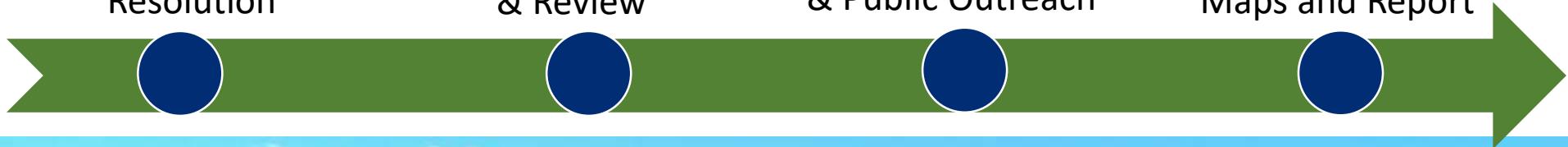
Draft Maps
& Review

Summer 2020

Draft Report
& Public Outreach

Fall/Winter 2020

Finalization of
Maps and Report



Potential Uses for the NRI

- Project reviews and TWEQR
- Critical Environmental Areas (CEAs)
- Identifying conservation priorities
- Open space planning
- Hazard mitigation planning
- Zoning and subdivision regulations
- Climate Smart Communities certification
- Education



Questions?

Link to view/download draft NRI maps – WEC webpage:

<https://townwoodstock.digitaltowpath.org:10111/content/Boards/View/2>

Please submit any comments/feedback on the draft NRI maps to
wec@woodstockny.org by September 30th
with “NRI” in the subject headline.

Ingrid Haeckel

Conservation & Land Use Specialist

Hudson River Estuary Program/ Cornell Univ.

ingrid.haeckel@dec.ny.gov



**Hudson River
Estuary Program**

A Program of the New York State Department of Environmental Conservation



Cornell University

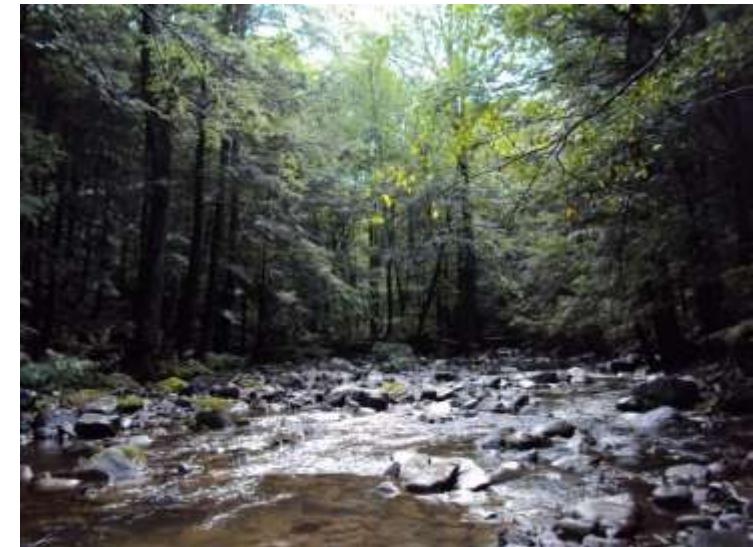


Photo: Ingrid Haeckel