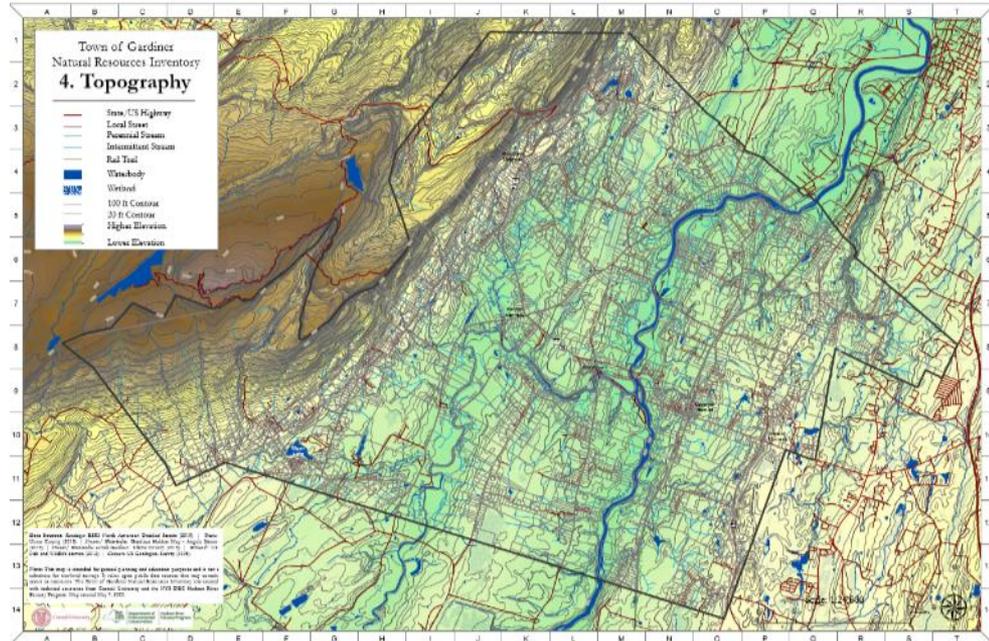




Department of
Environmental
Conservation

Town of Gardiner

Natural Resources Inventory Project



Nate Nardi-Cyrus
Conservation & Land Use Specialist
Hudson River Estuary Program/Cornell University
July 14, 2020



Cornell University



Department of
Environmental
Conservation

Hudson River
Estuary Program

Hudson River Estuary Program

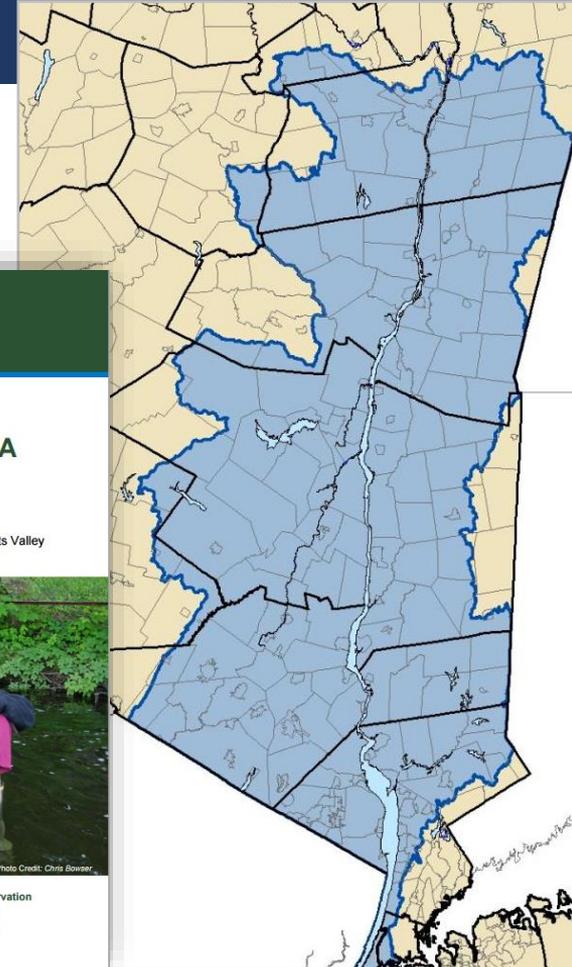
Working to achieve key benefits:

- 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



Project Team

- DEC Hudson River Estuary Program/Cornell University staff
- SUNY New Paltz Intern
- Volunteers from Gardiner:
 - Environmental Conservation Commission
 - Open Space Commission
 - Planning Board
 - Town Board



identify what you have



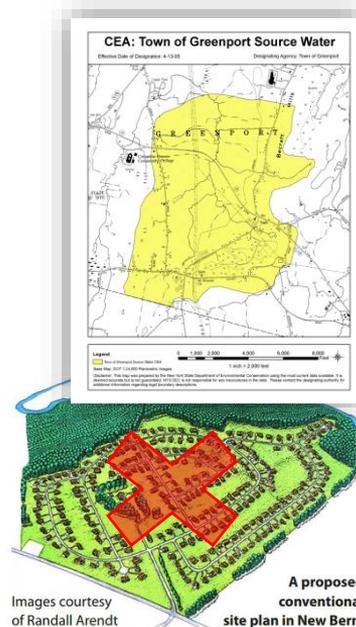
prioritize



plan, protect, manage



Photo by Nate Nardi-Cyrus



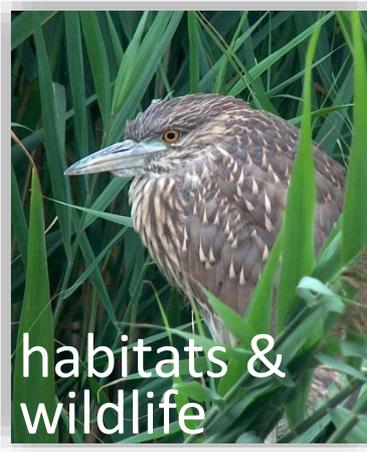
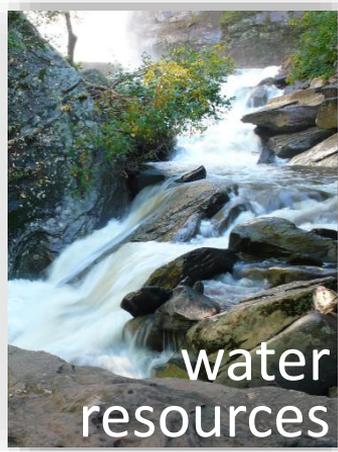
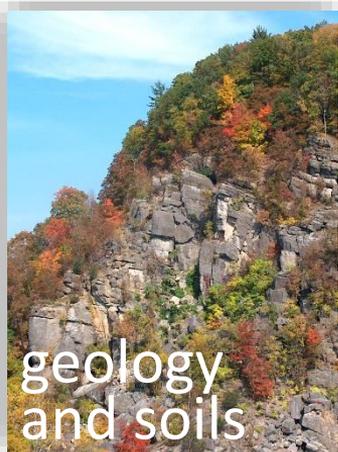
Images courtesy of Randall Arendt

A proposed conventional site plan in New Bern.



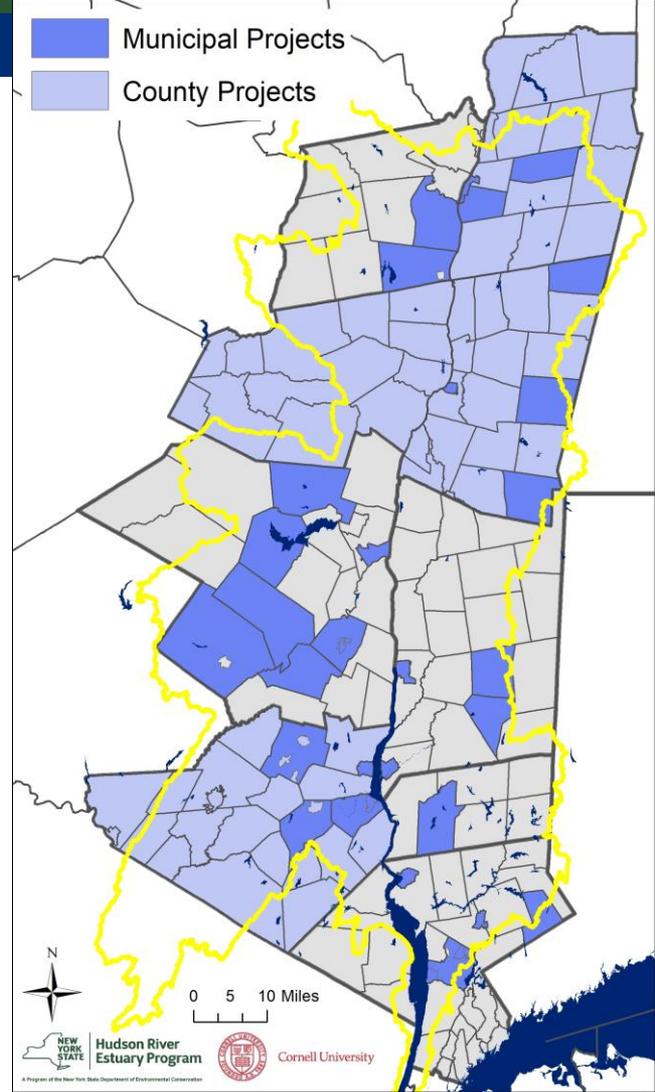
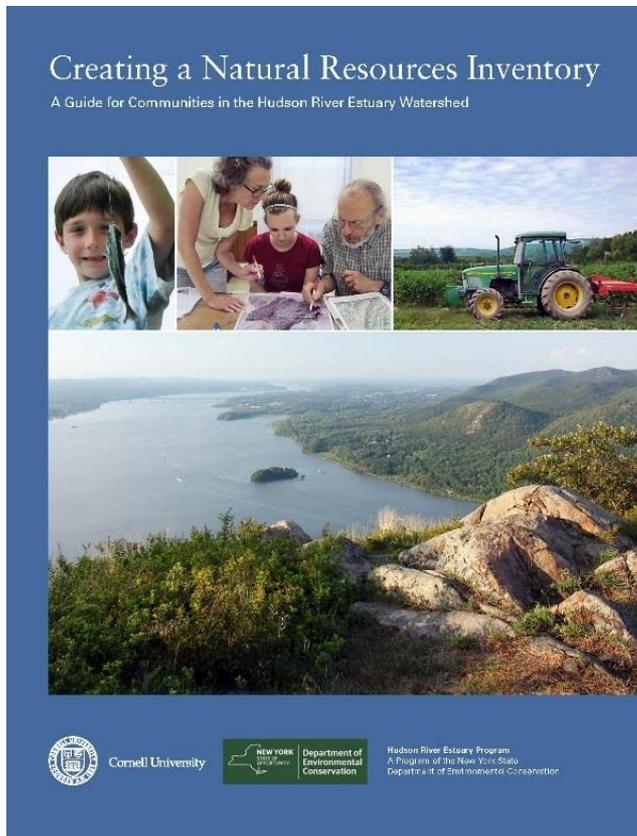
A conservation subdivision plan for the same site.

What is a Natural Resources Inventory (NRI)?



~33 Natural Resource Inventories

identify what
you have



Gardiner Natural Resources Inventory Goals

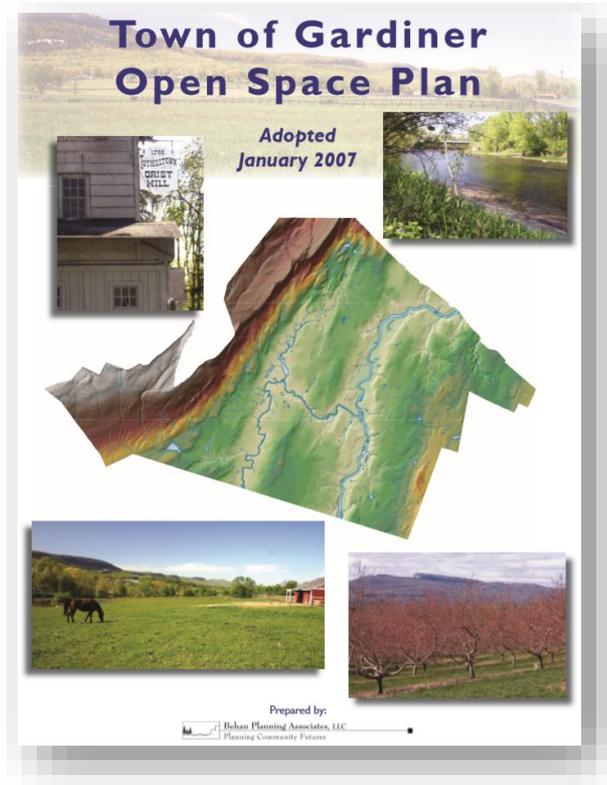


Photo by Nate Nardi-Cyrus

- cultivate stewardship of resources
- Inform planning, designing, and reviewing new development
- foundation for plans and policies to protect critical resources

Local Data Sources

- Town of Gardiner Open Space Plan
- Town of Gardiner Comprehensive Plan
- The Shawangunk Mountains Scenic Byway Planning Board Guide
- 2014 Gardiner Habitat Map
- Aquifer Study



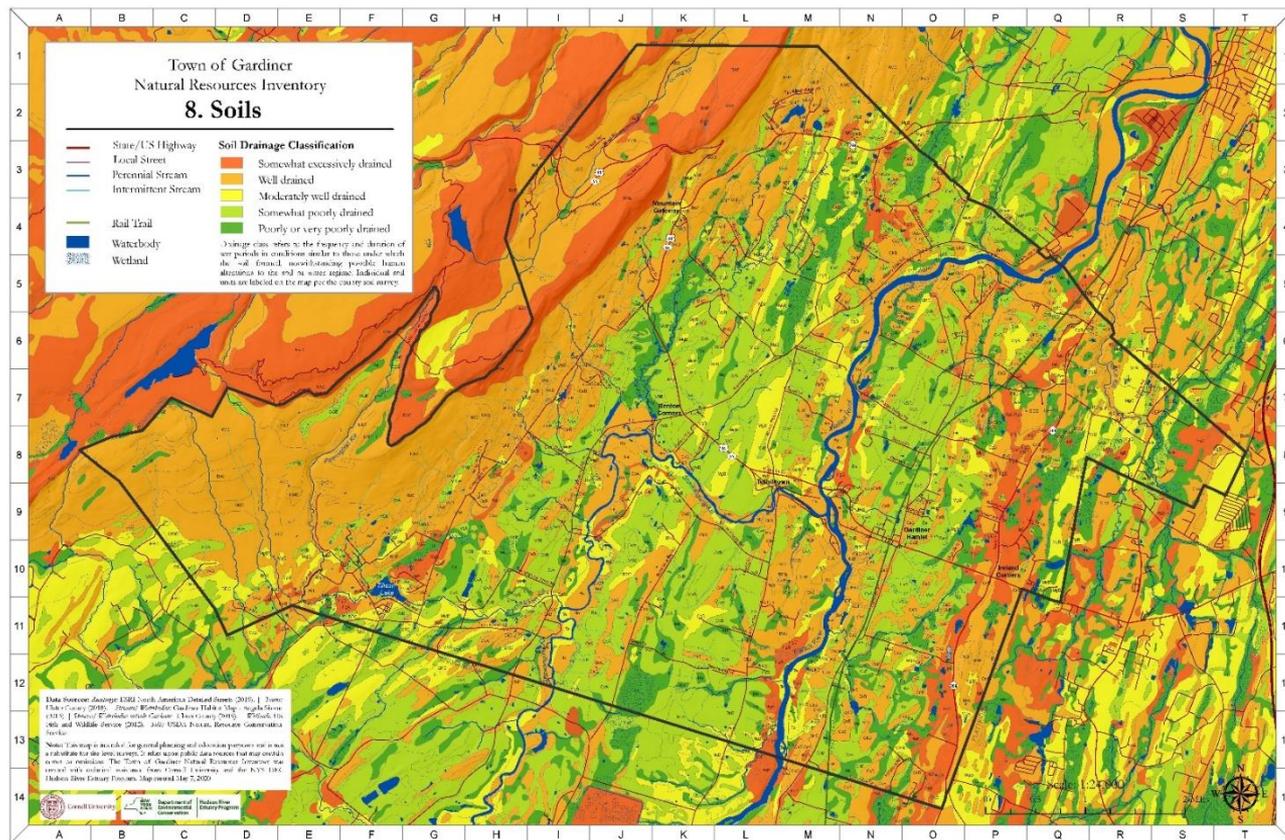
Physical Setting

- Maps included in this section:
 - Topography
 - Steep Slopes
 - Bedrock Geology
 - Surficial Geology
 - Soils



Photo by Nate Nardi-Cyrus

Soils



Water Resources

- Maps included in this section:
 - Aquifer Recharge Areas
 - Stream & Watersheds
 - Water Quality Classifications
 - Floodplains & Riparian Areas
 - Stream Habitats
 - Wetlands

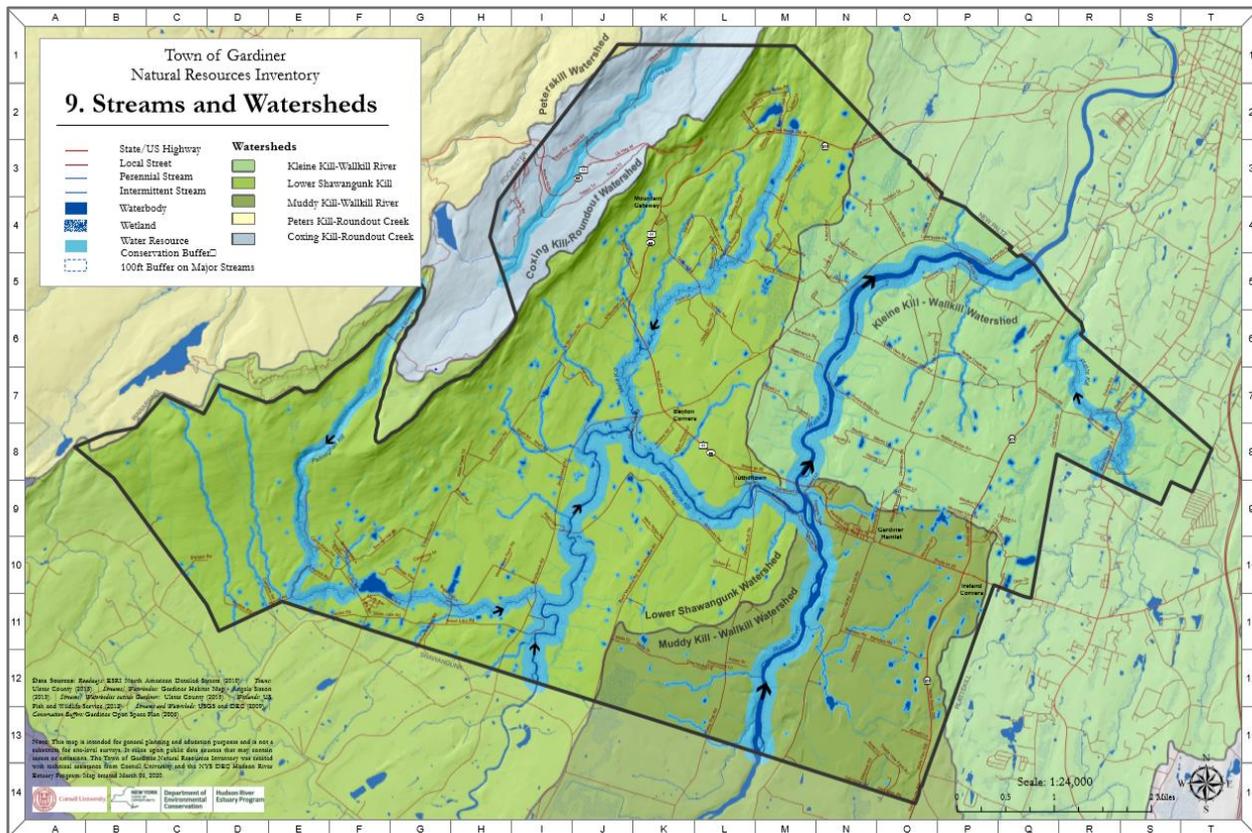


Photo by James Esslinger



Department of
Environmental
Conservation

Streams & Watersheds



Habitats & Wildlife

- Maps included in this section:
 - Ecological Context
 - Priority Habitats
 - Important Biodiversity Areas
 - Large Forests
 - Intact Habitat Cores



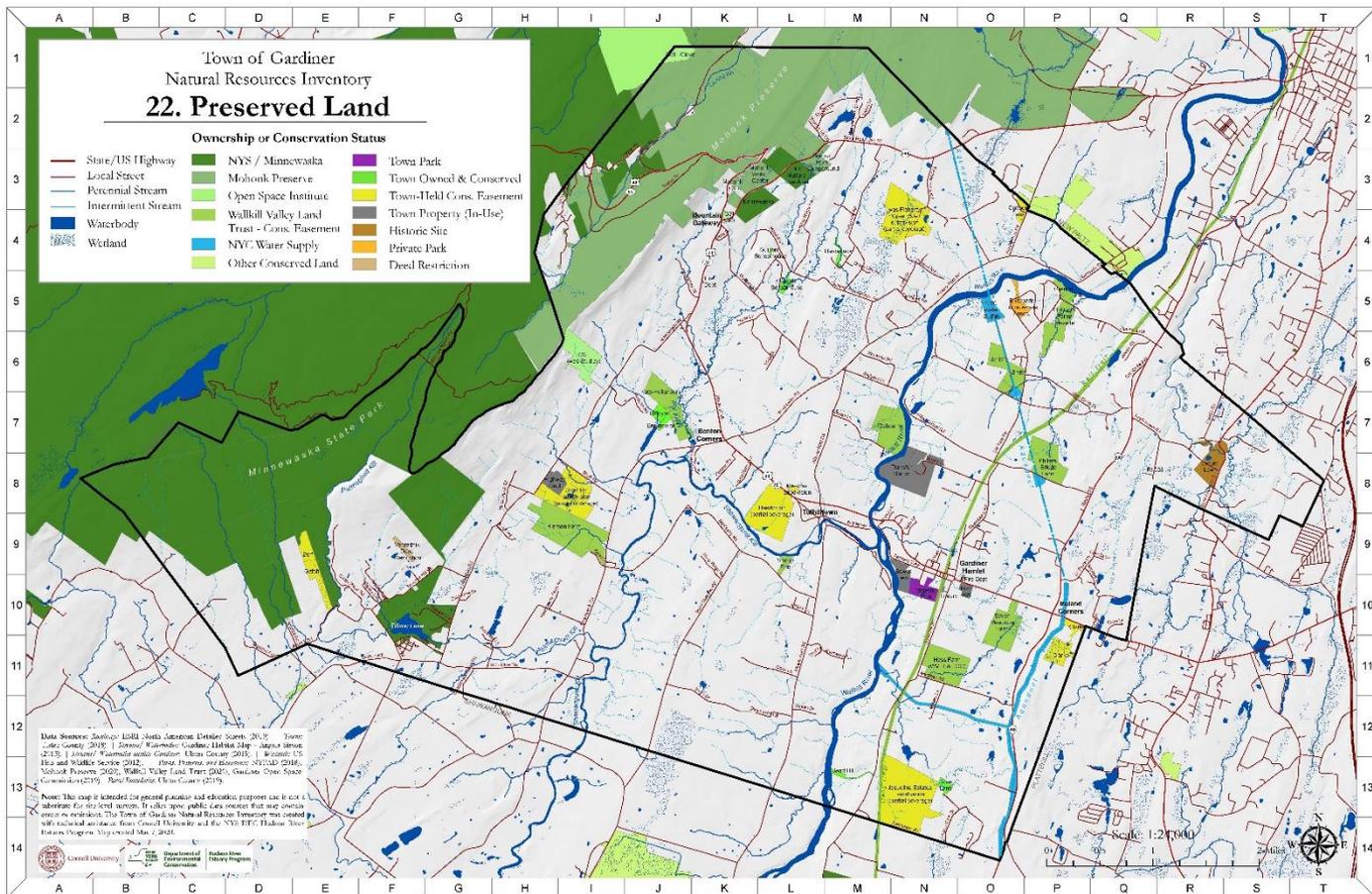
Land Use

- Maps included in this section:
 - Preserved Land
 - Agricultural Resources
 - Cultural Resources



Photo by Phillie Bridge Farm

Preserved Land



NRI Project Timeline

January 2020

Town Board
Resolution

Spring 2020

Draft Map creation
& Review

Summer 2020

Narrative Development
& Town/Public Input

Fall/Winter 2020

Finalization of
Maps and Narrative

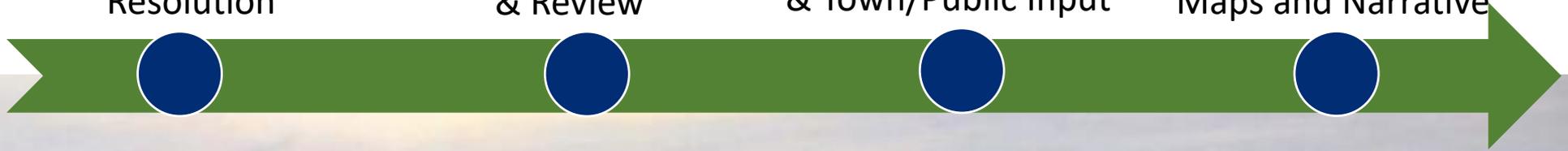
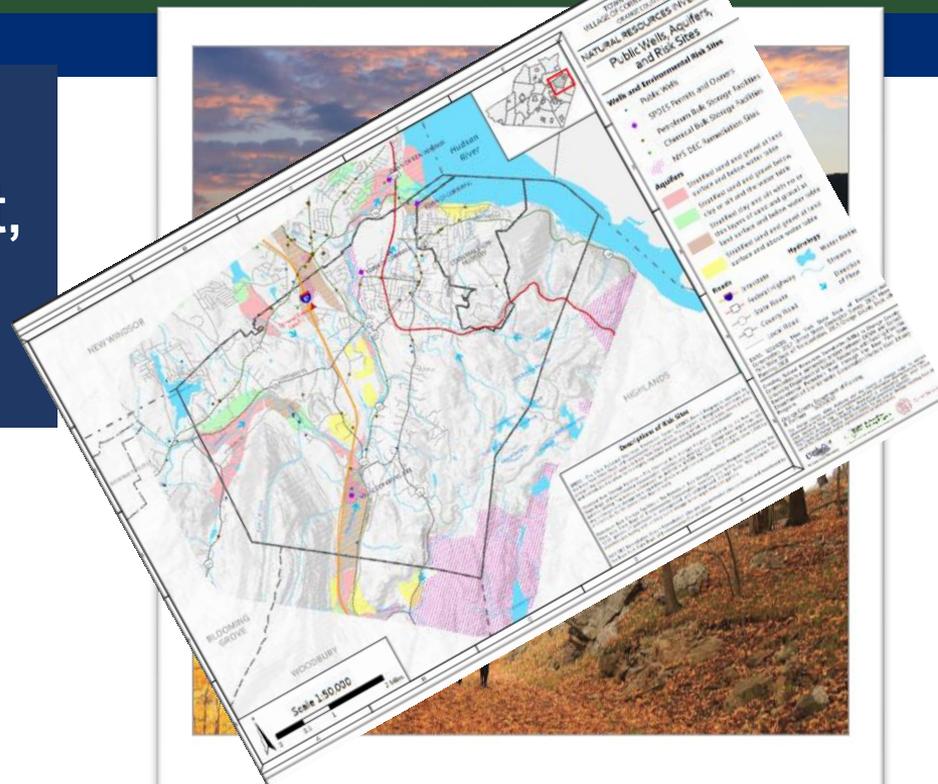


Photo by Kristin Sullivan

prioritize



plan, protect,
manage



Cornwall Natural Resources Inventory:
Informing the Management of Our Natural,
Historic, and Cultural Resources

Cornwall Conservation Advisory Council
December 2019

Examples:

**Comprehensive
Plan / Zoning
Updates**

prioritize



plan, protect,
manage

Examples:

Checklists

- Applicant
- Planning Board
- Other Committees/
Boards

TOWN OF GARDINER SITE PLAN APPLICATION CHECKLIST

This list is provided as a guide only for the convenience of the Applicant. The Town of Gardiner Planning Board may require additional notes or revisions prior to granting approval.

1. Complete Pages 1 through 3 of Application form. (Original Conv). Sign and Notarize Page 3.
2. Complete Agriculture
3. Complete Certificate
4. Applicant/Owner P
5. Short Form EAF (U
6. Four Sets of plans –
7. SEPARATE CHE

- Site Plan R
 - Site Plan R
 - Escrow - T
- *See Attach

Town of Rhinebeck Site Resource Analysis Assessment

Name of subdivision: _____

Address: _____

	Yes	No	Not Sure
Are there streams, wetlands, waterbodies or watercourses that require protective buffer areas?			
Is there active farmland on the parcel(s)?			
Will the active farmland be preserved?			
Is there active farmland contiguous to or within 500 feet of the subject parcel(s)?			
Is this an Agricultural Exempt parcel(s)?			
Are there ridge lines that the Town deems to be kept clear of development?			
Could development alter the visual character from offsite surroundings?			
Could development alter visualized settings points within the property?			
Have visual mitigation measures been discussed?			
Are there high quality trees and significant groups of trees that should be preserved?			
Is there the potential for significant wildlife habitats or wildlife migration areas?			
Do any of these significant natural areas occur into abutting properties?			
Have mitigation measures been discussed?			
Are there stone walls and rock outcrops on the site?			
Is the parcel adjacent to a public recreational area?			
Are there possibilities for walking, bicycling and/or trail connections?			
Are there special cultural, archeological and/or historic resources that should be preserved?			
Is the parcel adjacent to or within a National, State or locally designated Historic site or district?			
Is the parcel adjacent to or within an officially designated Scenic District or Scenic Road?			
Is the parcel adjacent to or within an officially designated Critical Environmental Area (CEA)?			
Is the parcel within the Local Watershed Reevaluation Area?			
Can the development be connected to a community water supply system?			
Can the development be connected to a community sewage disposal system?			
Will affordable housing be addressed by the subdivision?			

Priority resources that should be preserved on the site:

Recommendations:

Date of Planning Board site visit: _____

prioritize



plan, protect,
manage

Examples:

Conservation Easements

- Defining resources
- Designing easement

8. ADDITIONAL RESTRICTIONS APPLICABLE TO THE RESOURCE PROTECTION AREA AND FOREST AREA.

8.1. Resource Protection Area

8.1. Access roads and skid trails. Creating access roads, skid trails or the like within the Resource Protection Area is prohibited.

8.2. Improvements. Except as expressly permitted in Section 6.4 (“Permitted Uses and Activities within the Resource Protection Area”) herein, no structures, improvements, excavation, filling, paving or other surface cover are permitted within the Resource Protection Area.

8.3. Livestock Grazing. Pasture and grazing of livestock within the Resource Protection Area is prohibited.

8.4. Soil Cultivation. Cultivation of the soil within the Resource Protection Area is prohibited.

8.5. Tree Cutting. Except for the removal or trimming of trees that are diseased, infected by pests or insects, jeopardize health and safety, or hinder the operation of farm equipment along field boundaries, the cutting of trees within the Resource Protection Area is prohibited.

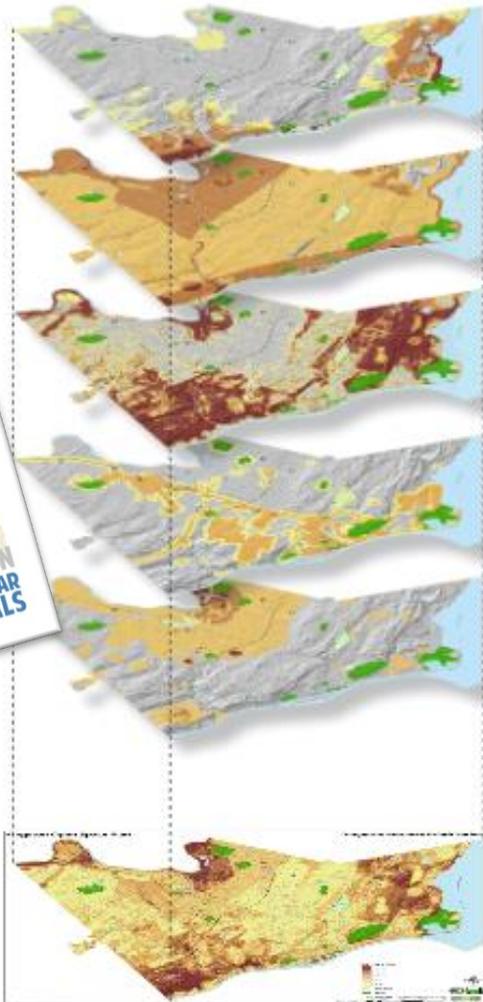


Department of
Environmental
Conservation

prioritize



plan, protect,
manage



Examples:

Planning

- Open Space Plan *UPDATE*
- Open Space Inventory
- Stewardship assessment

Access to Town of Gardiner's NRI

<https://www.townofgardiner.org/natural-resources-inventory>

Send comments to **Gardiner Environmental Conservation Commission** chair:

Roberta Clements:

robertaaclements@gmail.com

845-532-6400



Department of
Environmental
Conservation

Questions?

Nate Nardi-Cyrus

Conservation & Land Use Specialist

NYSDEC

21 South Putt Corners Rd

New Paltz, NY 12561

nate.nardi-cyrus@dec.ny.gov

www.dec.ny.gov/lands/4920.html



Hudson River
Estuary Program



Cornell University

A Program of the New York State Department of Environmental Conservation

