Habitat Maps for Dutchess County

Resources for Planning & Conservation

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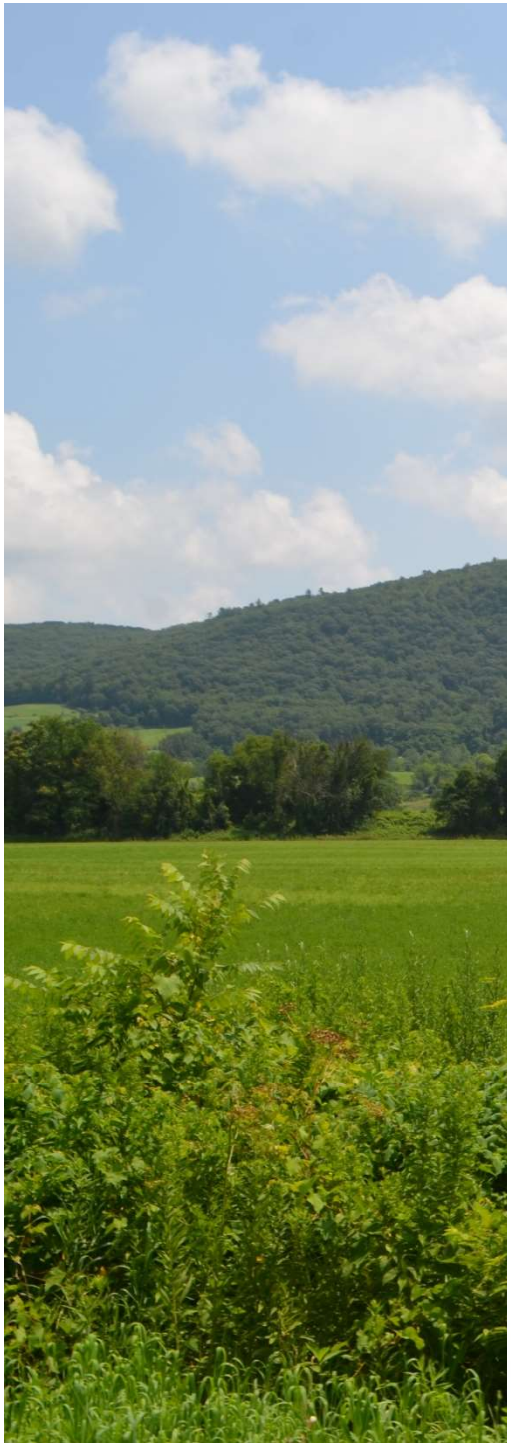
Hudsonia Ltd.

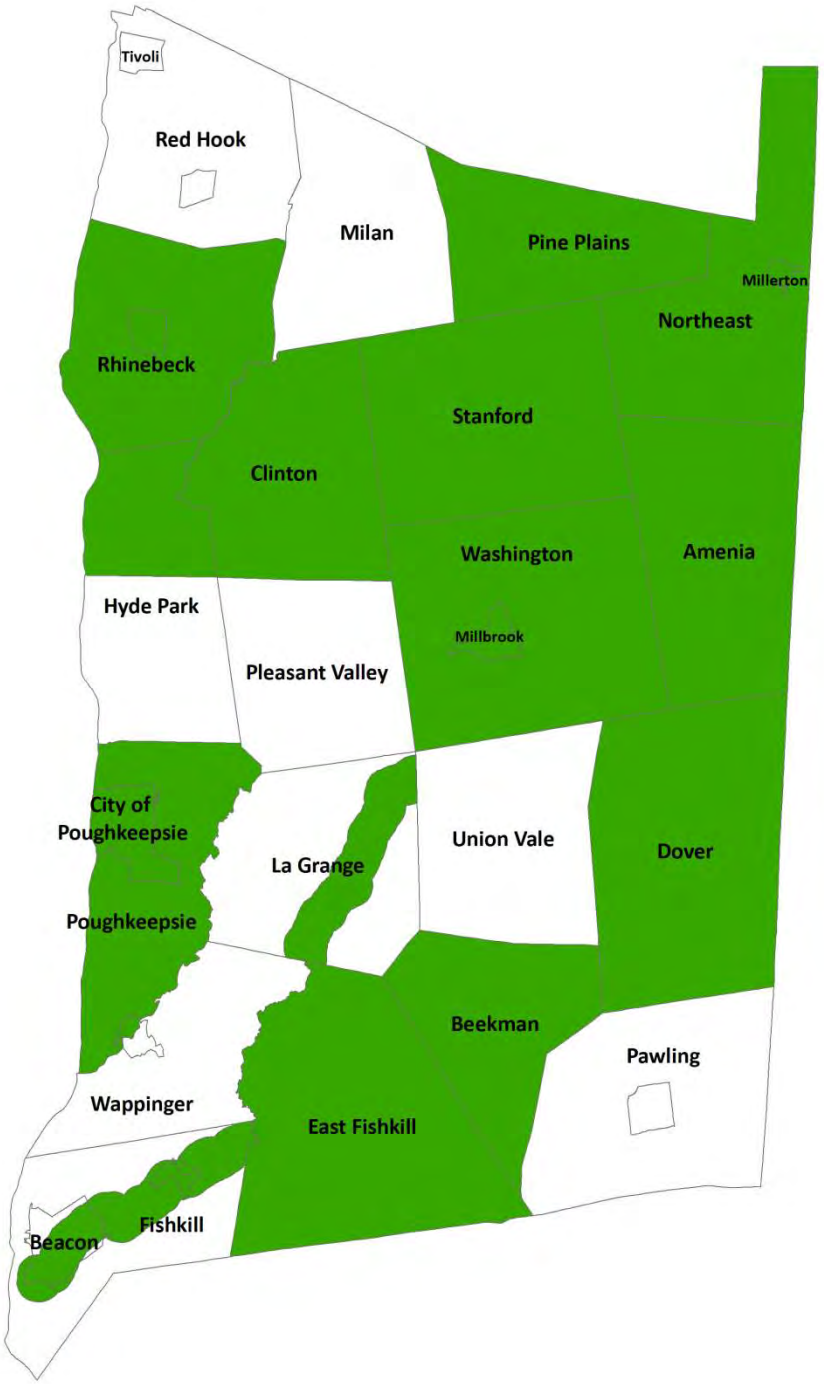
Environmental Research and Education
Science for Conservation

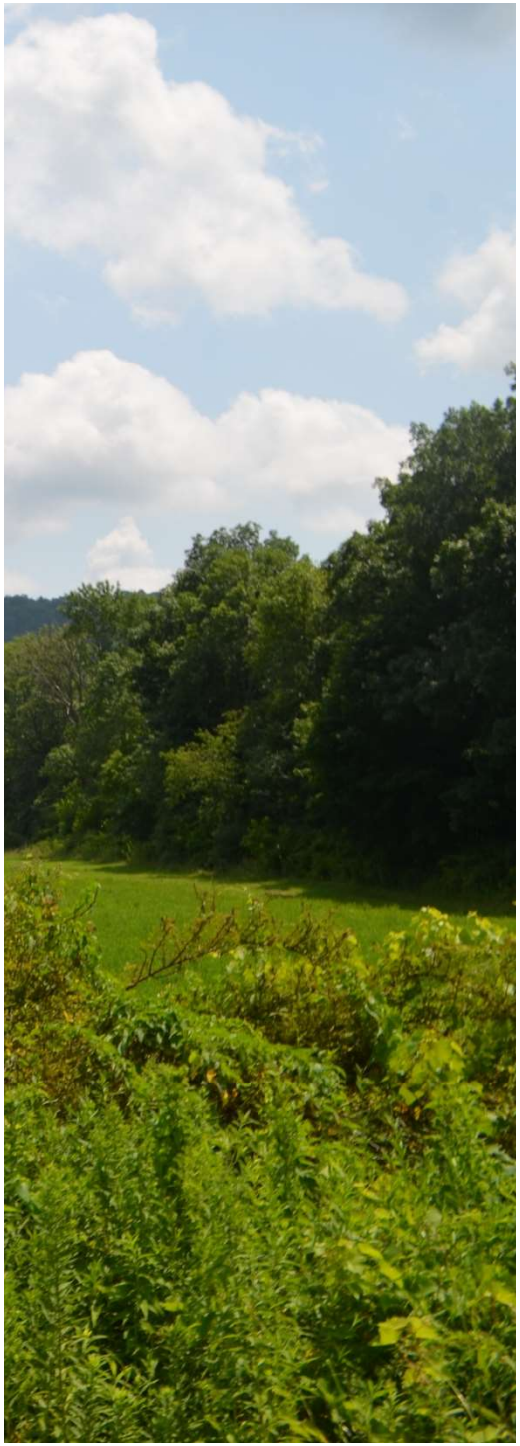
DUTCHESS COUNTY
PLANNING FEDERATION

NEW YORK STATE | Department of Environmental Conservation | Hudson River Estuary Program

Cornell University




Tivoli
Red Hook
Milan
Pine Plains
Millerton
Northeast
Rhinebeck
Stanford
Clinton
Washington
Amenia
Hyde Park
Millbrook
Pleasant Valley
City of Poughkeepsie
La Grange
Union Vale
Dover
Poughkeepsie
Beekman
Pawling
Wappinger
East Fishkill
Fishkill
Beacon



SIGNIFICANT HABITATS
IN THE TOWN OF CLINTON,
DUTCHESS COUNTY, NEW YORK

All reports are available at https://hudsonia.org/programs/biodiversity-resources-center/habitat-mapping/

SIGNIFICANT HABITATS
IN THE TOWN OF RHINEBECK,
DUTCHESS COUNTY, NEW YORK

SIGNIFICANT HABITATS
IN THE TOWN OF BEEKMAN,
DUTCHESS COUNTY, NEW YORK

Funding Sources

City of Poughkeepsie

Dutchess Land Conservancy

Dyson Foundation

Hudson River Estuary Program

Marilyn Milton Simpson Charitable Trust

Millbrook Tribute Garden

Town of Beekman

Town of Dover

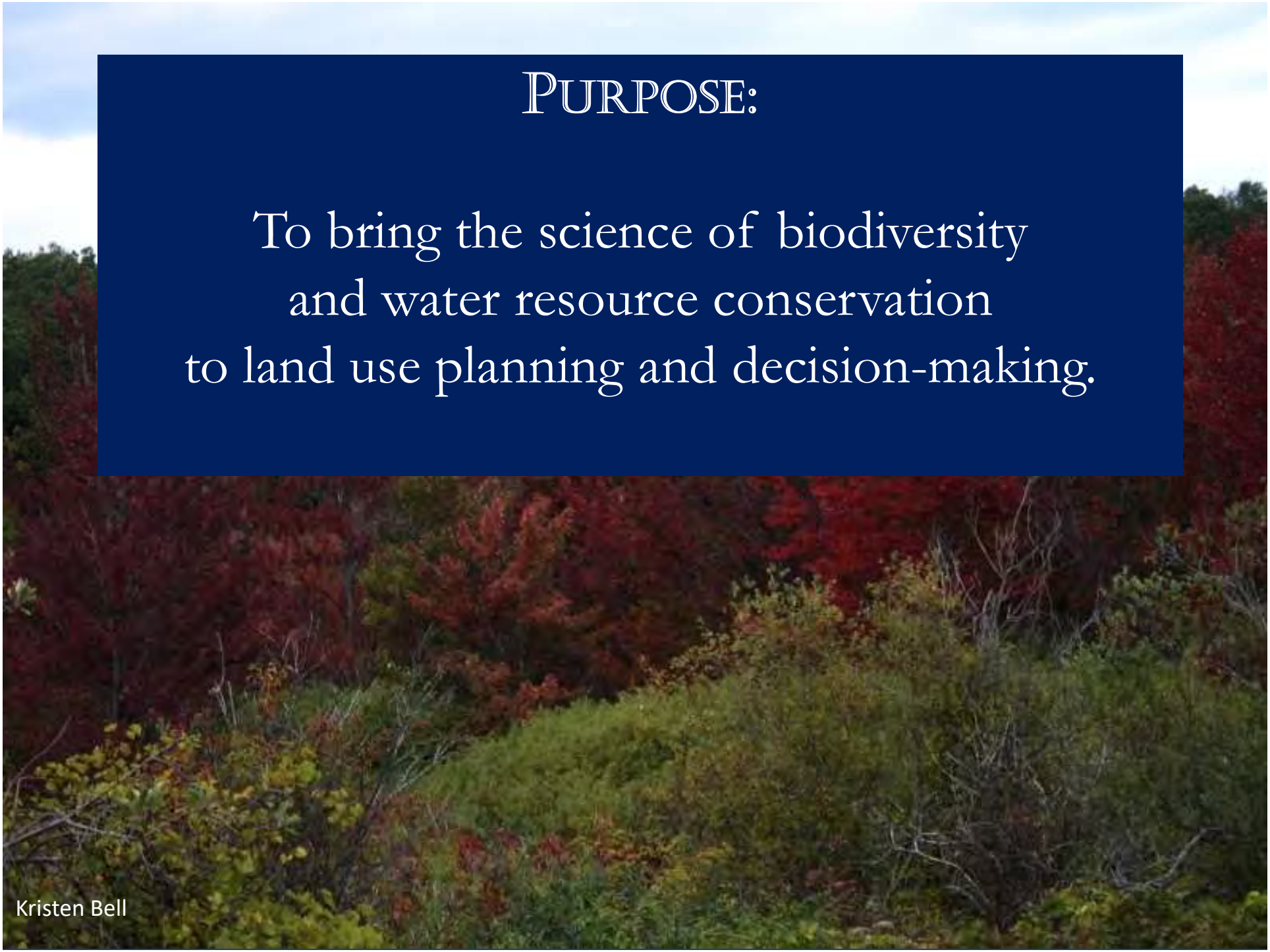
Town of Rhinebeck

Town of Poughkeepsie

Kristen Bell

Purpose:

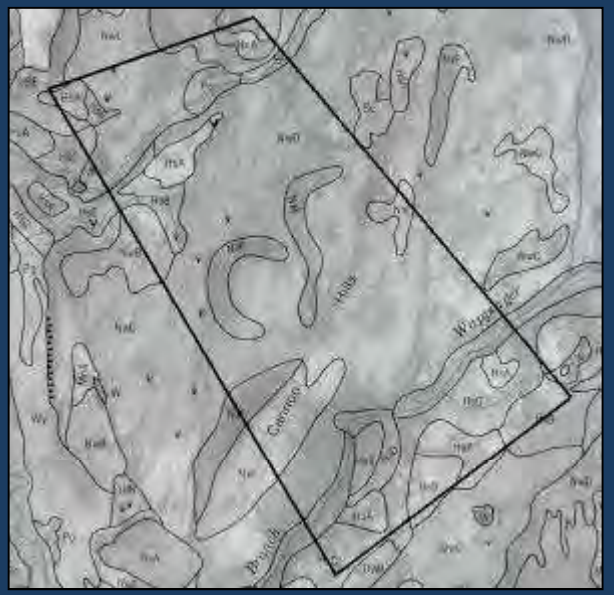
To bring the science of biodiversity
and water resource conservation
to land use planning and decision-making.



Kristen Bell

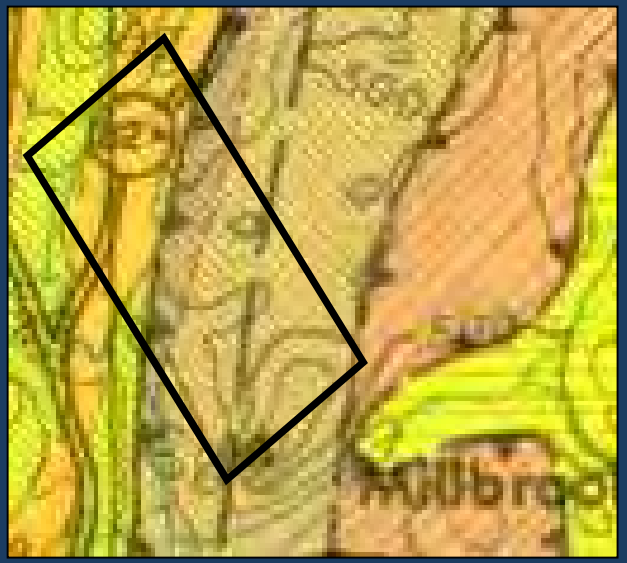
Methods: analyze remote data

topographic maps



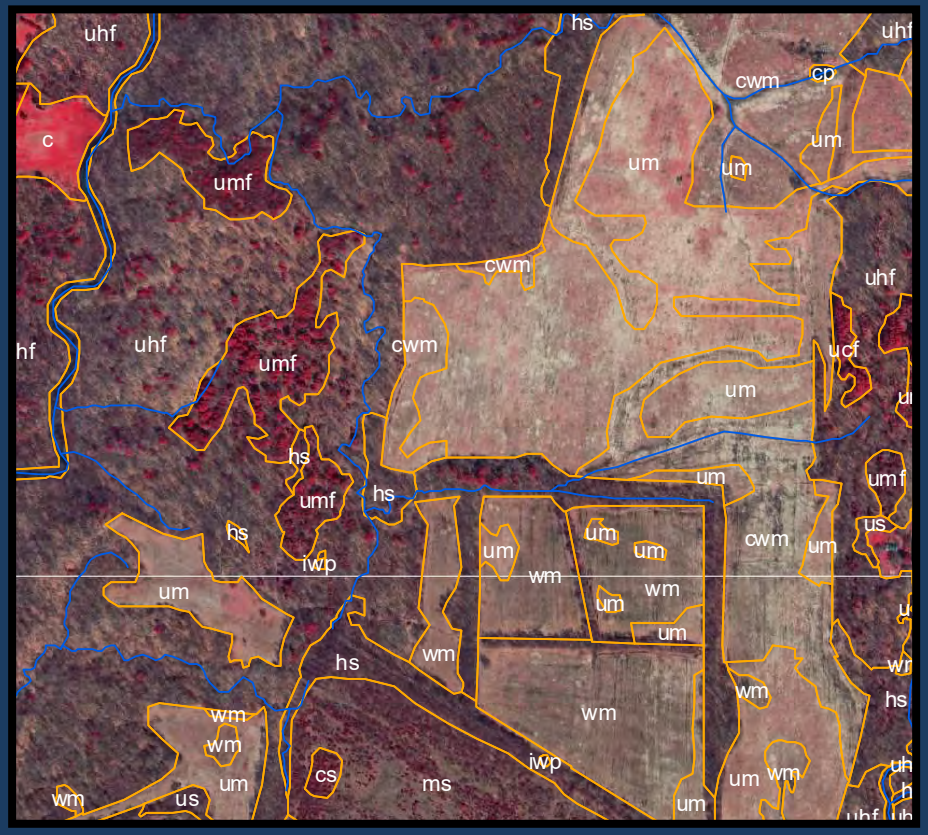
soils maps

geology maps



aerial photos

Methods: preliminary map



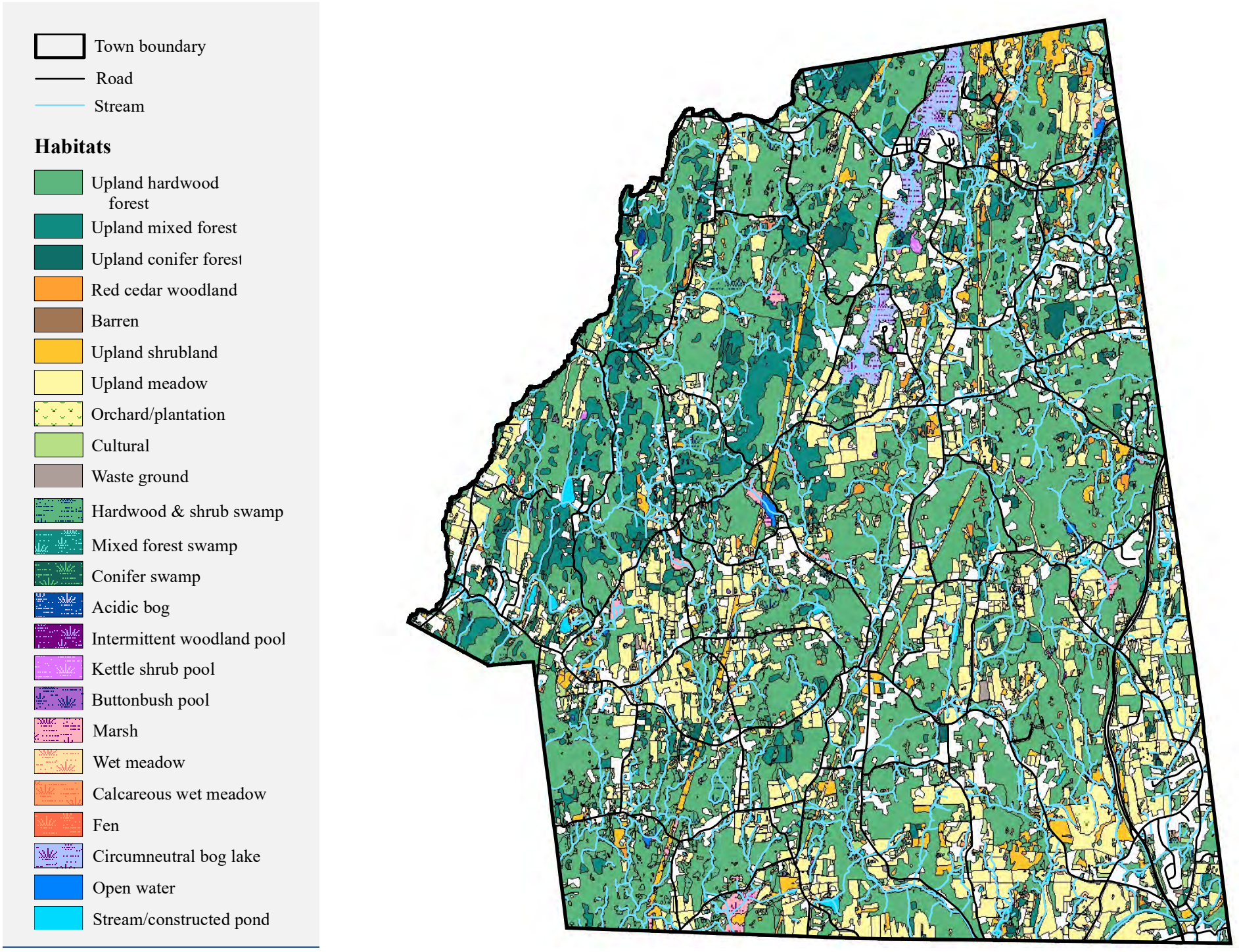

iwp
hs
hs
uhf
hs
bp
iwp
hs
umf
iwp
hs

Methods: field observations


Kristen Bell


Kristen Bell

Laura Heady


Town boundary
Road
Stream
Habitats
Upland hardwood forest
Upland mixed forest
Upland conifer forest
Red cedar woodland
Barren
Upland shrubland
Upland meadow
Orchard/plantation
Cultural
Waste ground
Hardwood & shrub swamp
Mixed forest swamp
Conifer swamp
Acidic bog
Intermittent woodland pool
Kettle shrub pool
Buttonbush pool
Marsh
Wet meadow
Calcareous wet meadow
Fen
Circumneutral bog lake
Open water
Stream/constructed pond


Town boundary
Road
Stream
Habitats
Upland hardwood forest
Upland mixed forest
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Acidic bog
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Kettle shrub pool
Buttonbush pool
Marsh
Wet meadow
Calcareous wet meadow
Fen
Circumneutral bog lake
Open water
Stream/constructed pond
Mud Pond
Lake Dr
Crimson Hill
Barat

Large Forest

Chris Graham


Chris Graham

Figure 4. Contiguous forest patc
swamps) in the Town of Clinton

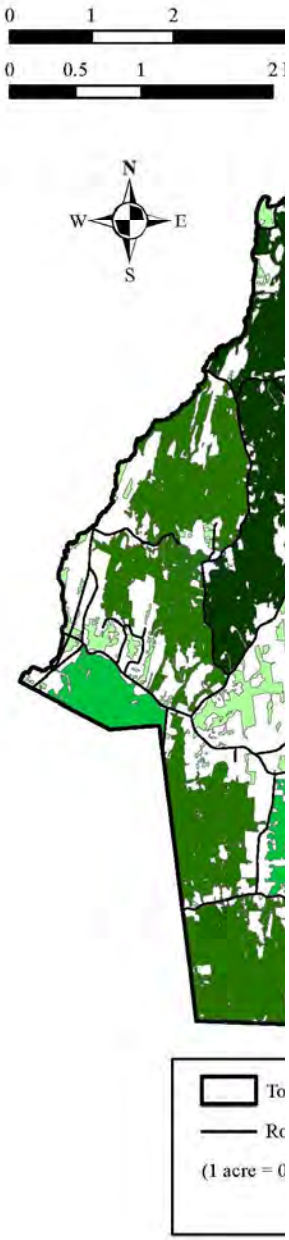


Figure 5. Rocky barrens and their 3,
of calcareous and non-calcareous cr
New York. Crest, ledge, and talus lo
Hudsonia Ltd., 2012.

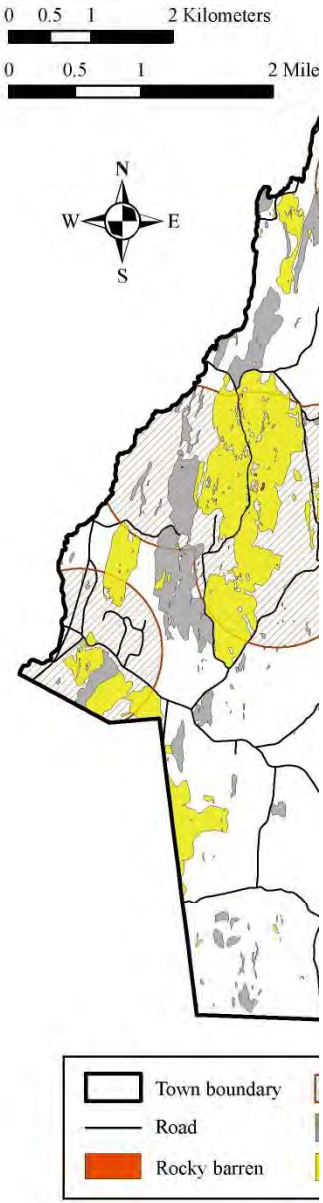
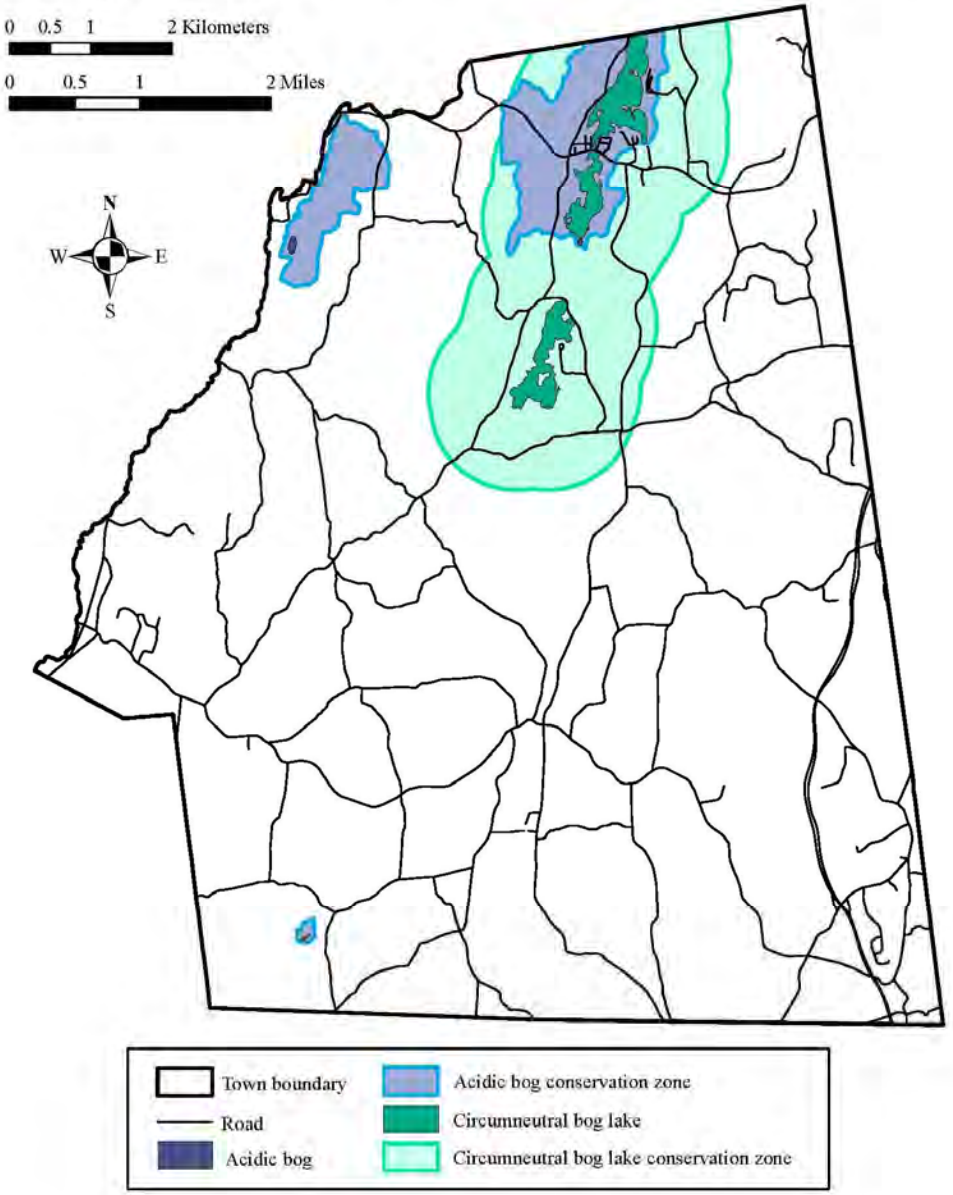


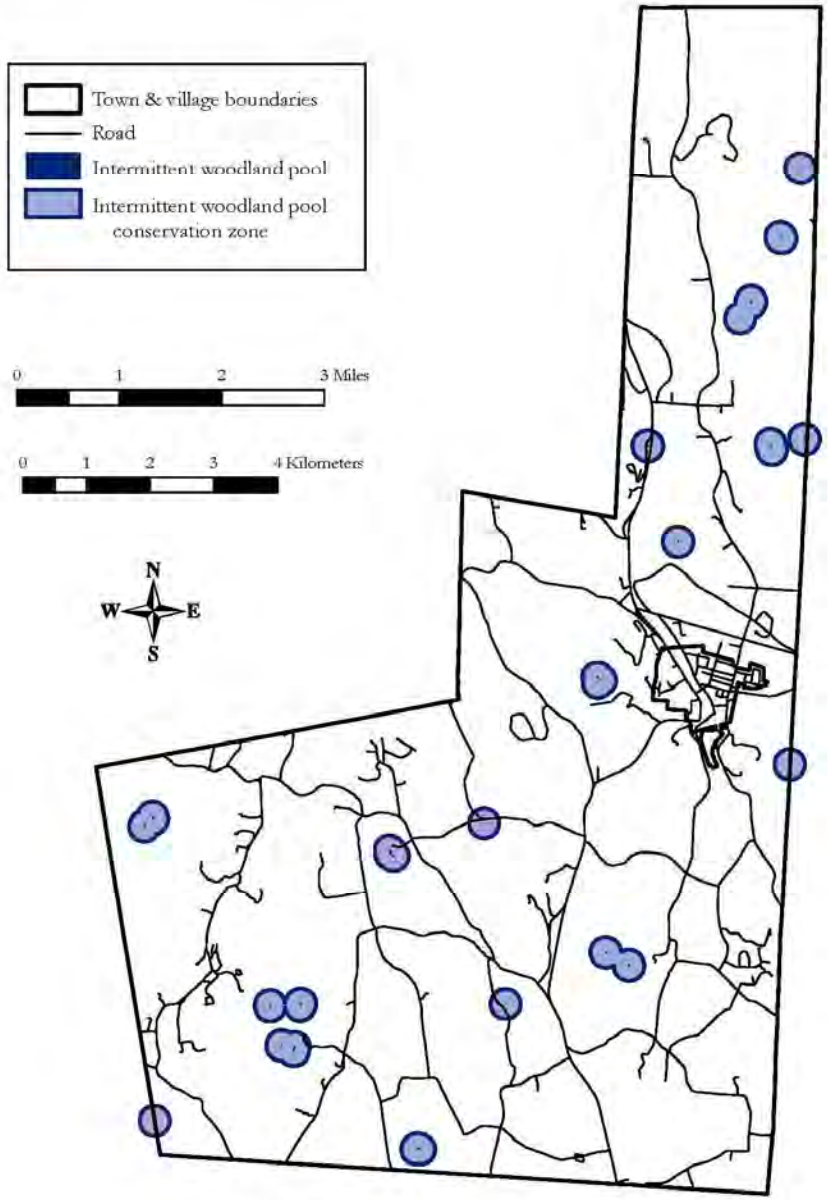
Figure 7. Acidic bogs and circumneutral bog lakes with associated conservation zones in the Town of Clinton, Dutchess County, New York. Acidic bog conservation zones encompass the entire bog watershed within the Town of Clinton; circumneutral bog lake conservation zones measure 3,300 ft (1,000 m) from the lake edge. Hudsonia Ltd., 2012.



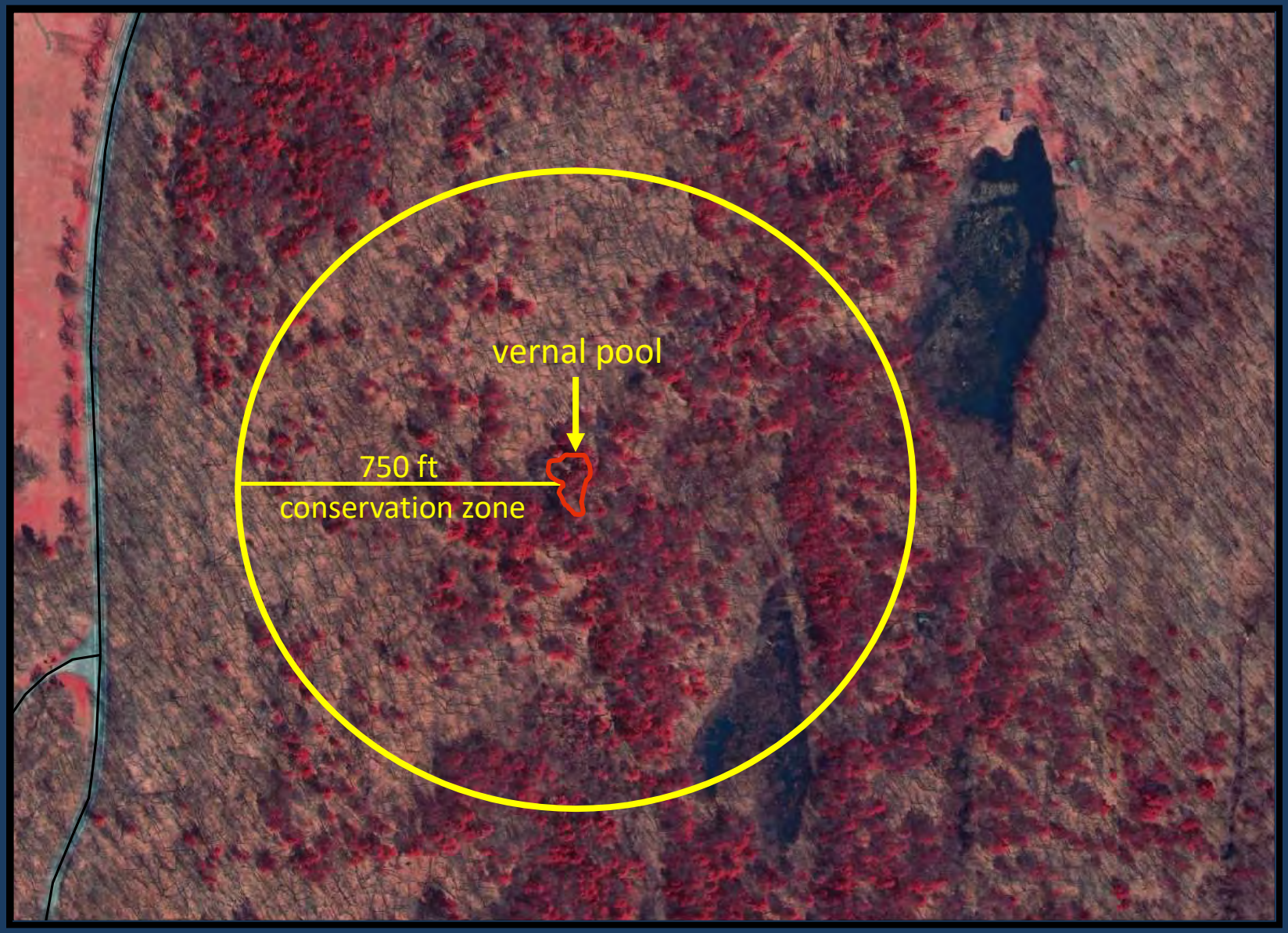
Meadow

Chris Graham

Figure 8. Intermittent woodland pools and their associated conservation zones in the Town of North East, Dutchess County, New York. Intermittent woodland pool conservation zones extend 750 ft (230 m) from wetland boundaries. Hudsonia Ltd., 2007.

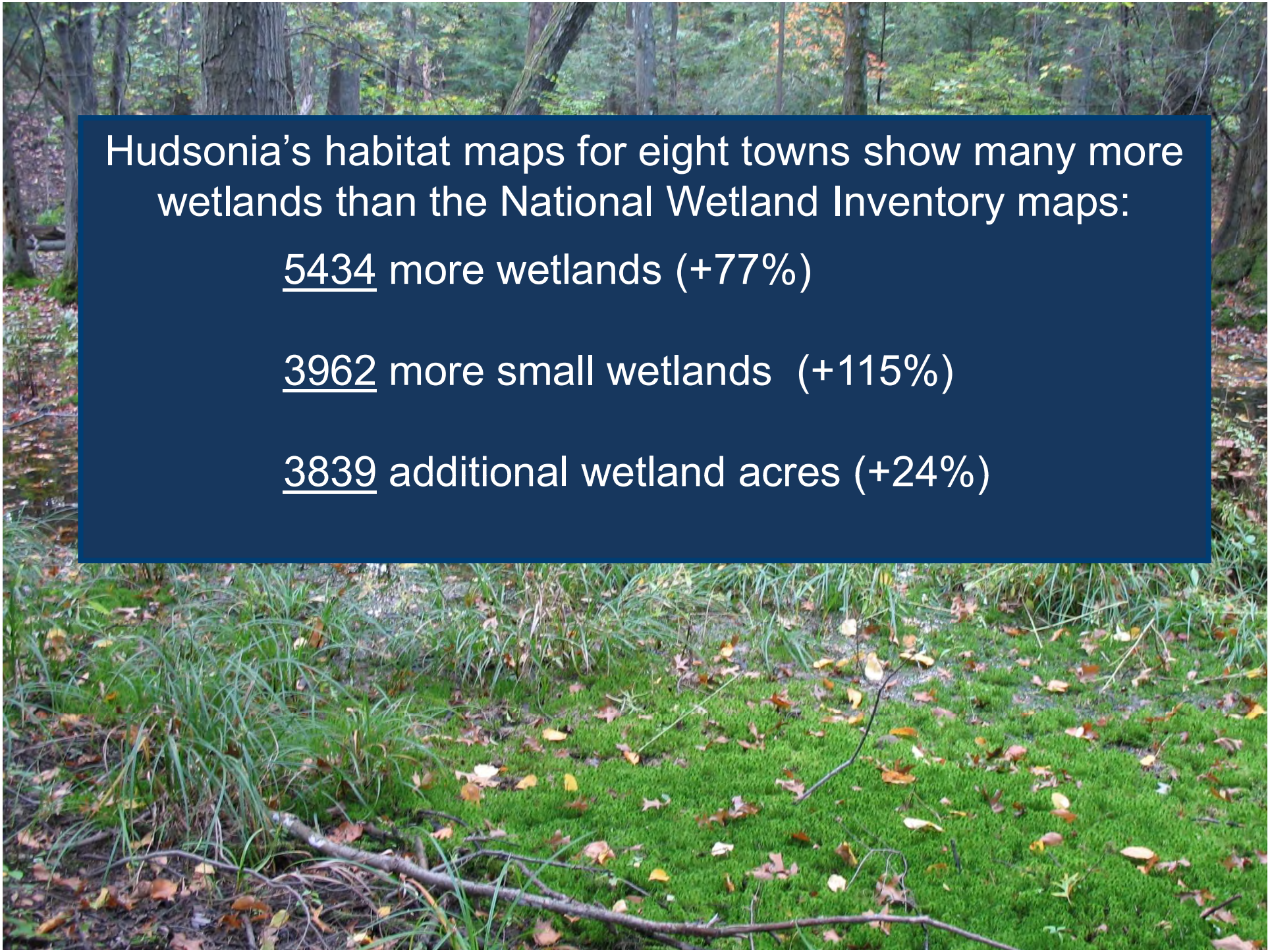


Laura Heady


vernal pool
750 ft
conservation zone

Vernal Pool

(=Intermittent Woodland Pool)



Hudsonia's habitat maps for eight towns show many more wetlands than the National Wetland Inventory maps:

5434 more wetlands (+77%)

3962 more small wetlands (+115%)

3839 additional wetland acres (+24%)

Municipal uses of habitat information

Photos: Chris Graham

Municipal uses of habitat information

- Identify local conservation priorities
- Update the municipal comprehensive plan
- Designate Critical Environmental Areas
- Improve zoning and subdivision regulations
- Inform the SEQR review of proposed development projects

Priority Conservation Areas

(Amenia)

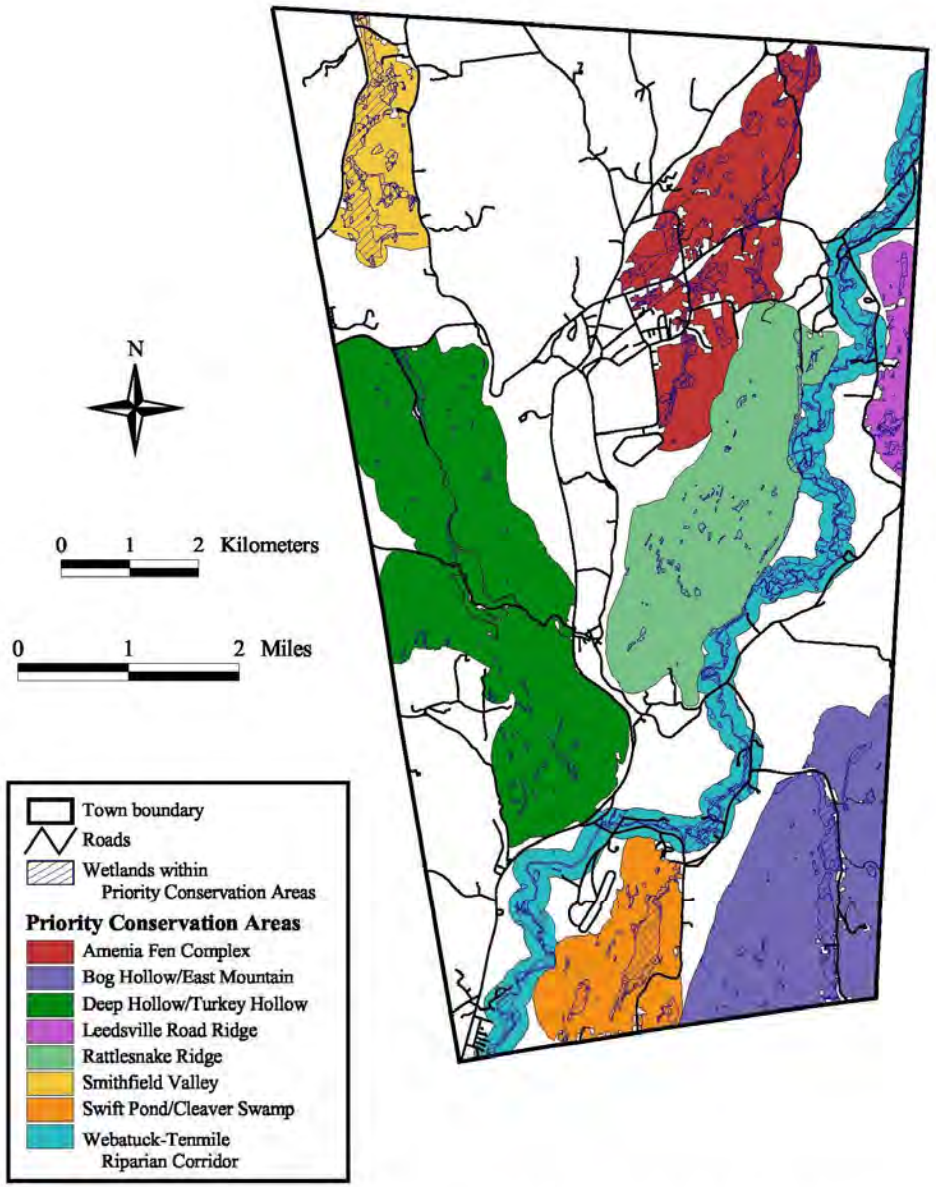


Figure 11. Priority Conservation Areas in the Town of Amenia, Dutchess County, New York. The map shows areas with especially high biodiversity value, but does not depict all areas of

Fen

Marble Knoll

Priority Conservation Areas

(Amenia)

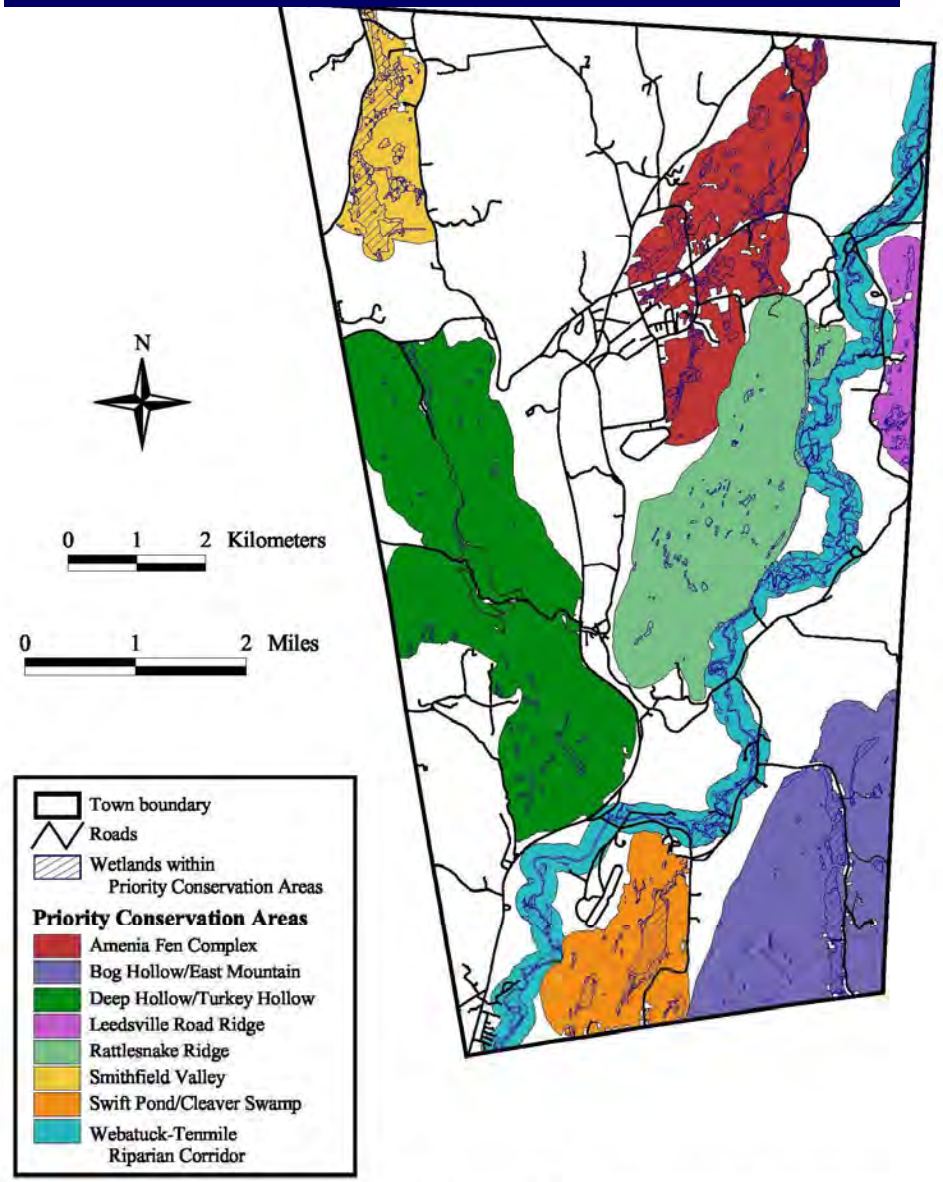


Figure 11. Priority Conservation Areas in the Town of Amenia, Dutchess County, New York. The map shows areas with especially high biodiversity value, but does not depict all areas of conservation concern. Hudsonia Ltd., 2006.

Priority Conservation Areas

(Stanford)

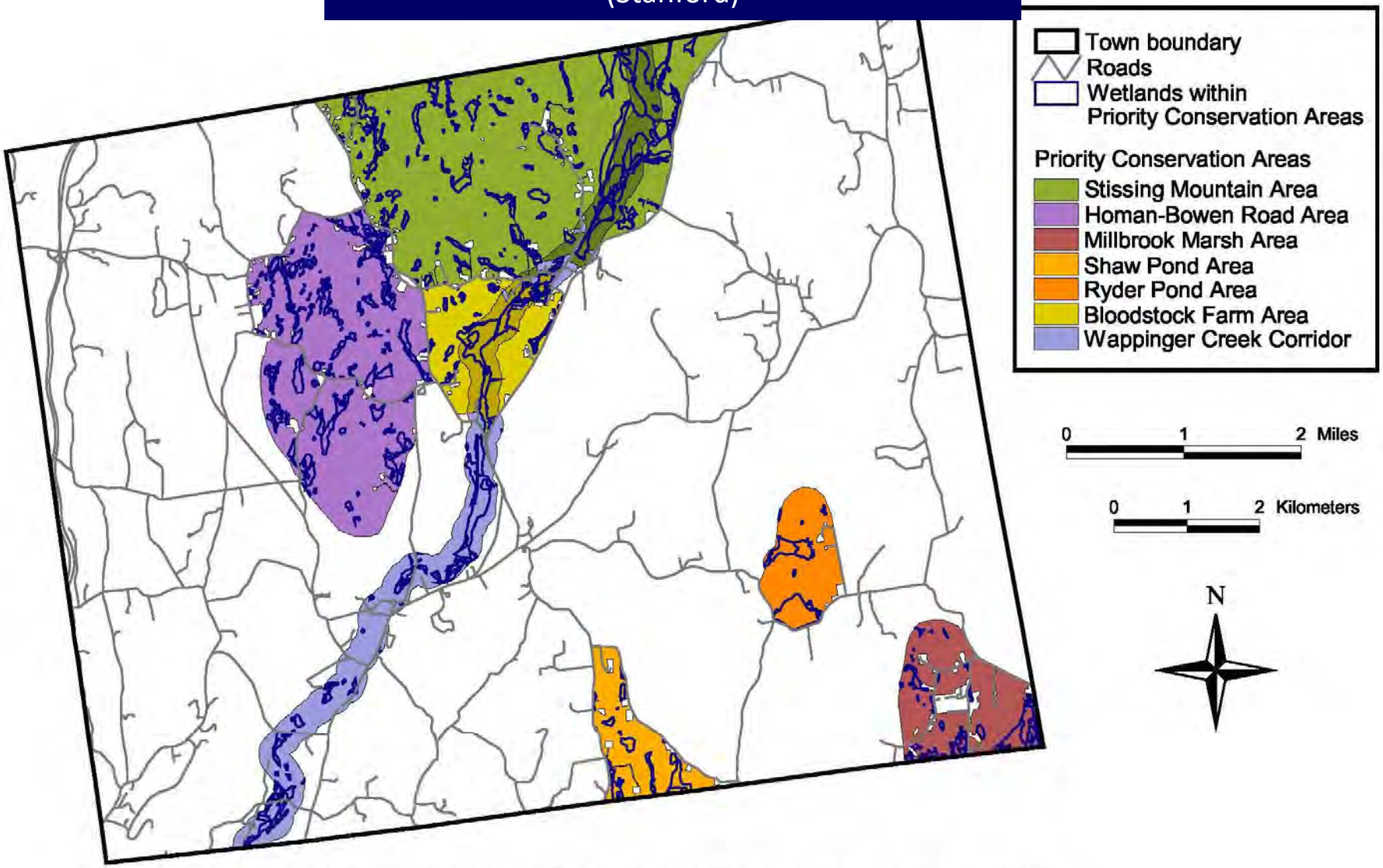
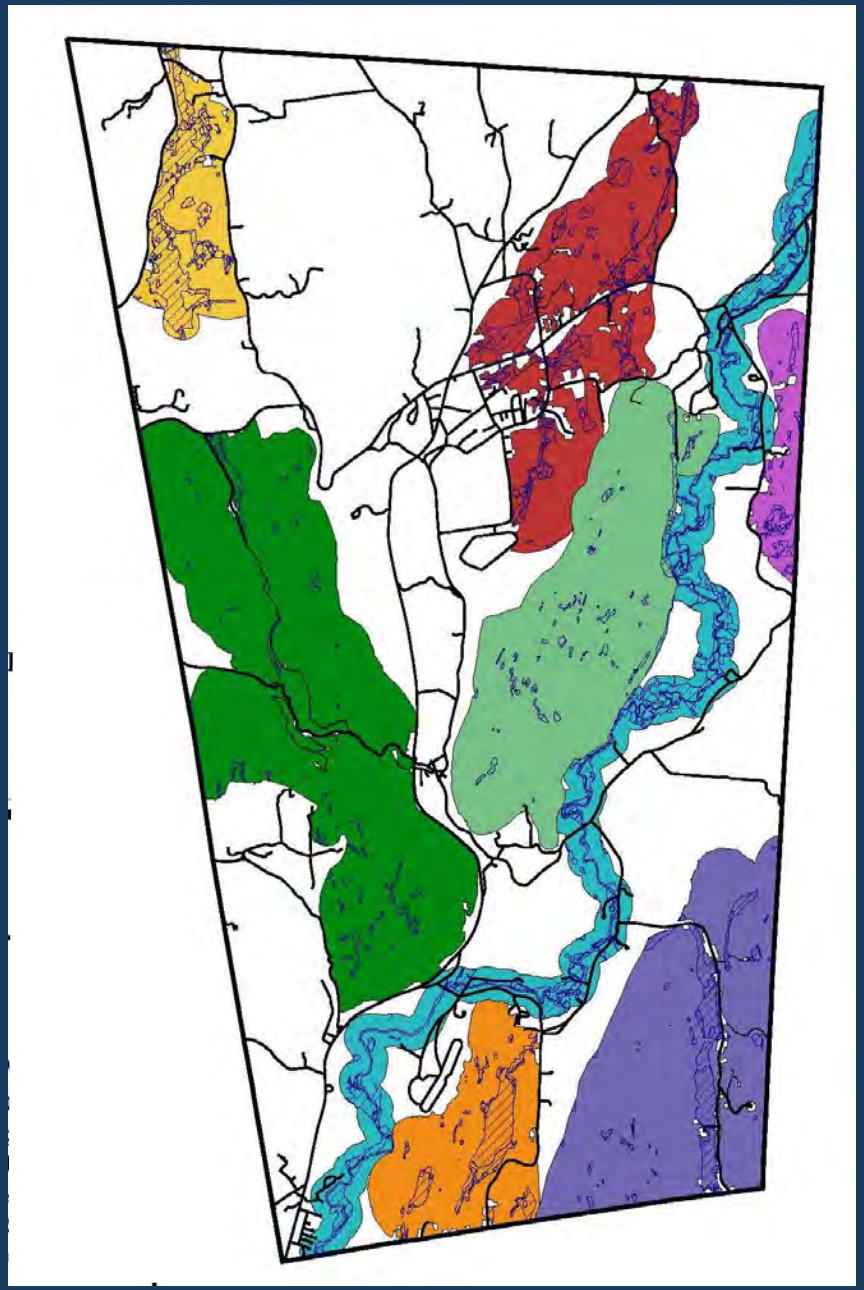
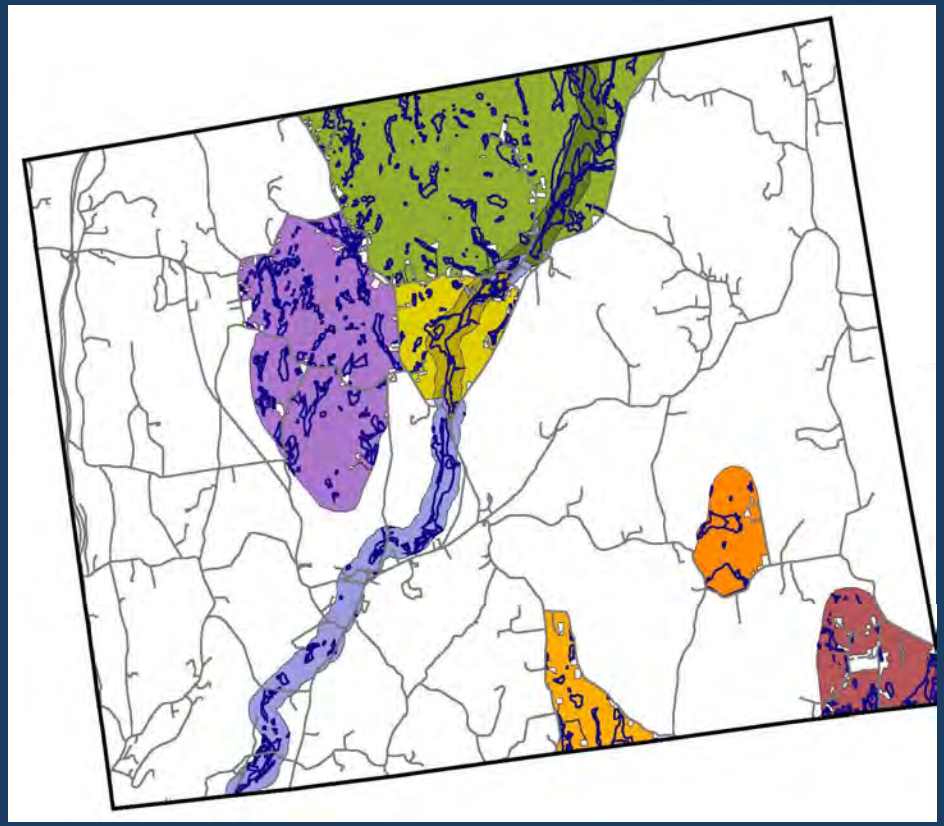


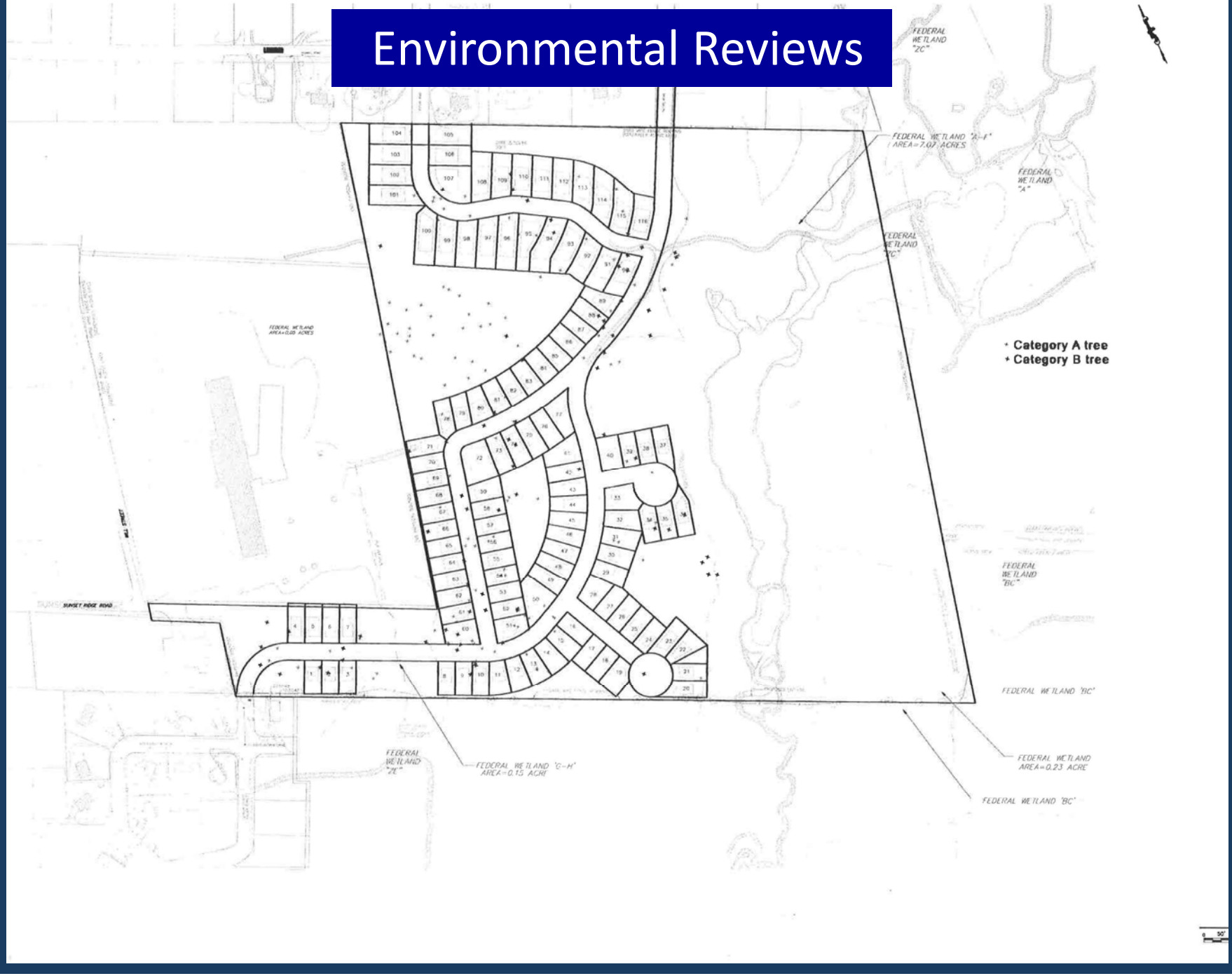
Figure 12. Priority Conservation Areas in the Town of Stanford, Dutchess County, New York. These are examples of areas with high biodiversity value, but not a complete list. Hudsonia Ltd., 2004-2005.

Priority Conservation Areas

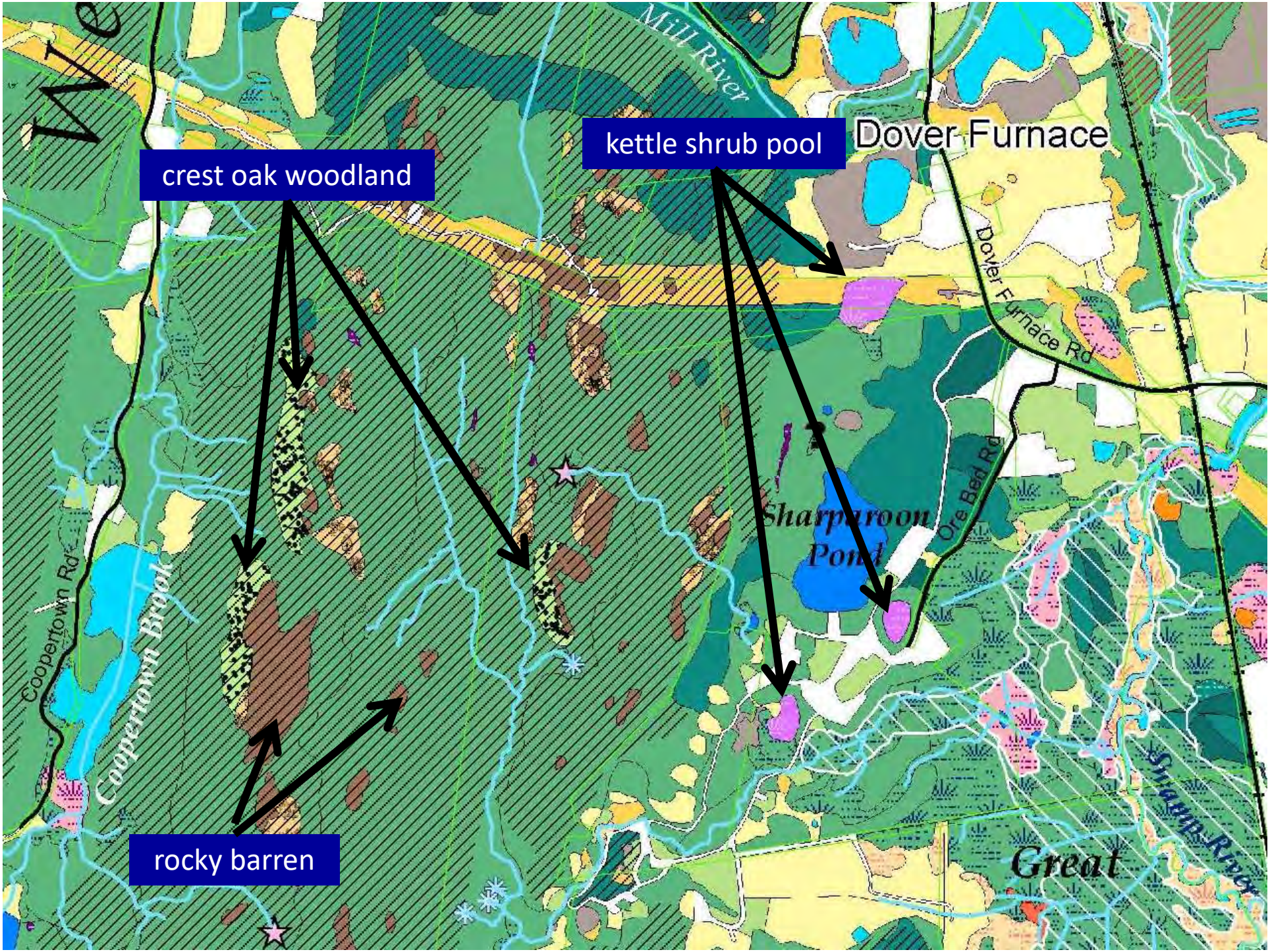


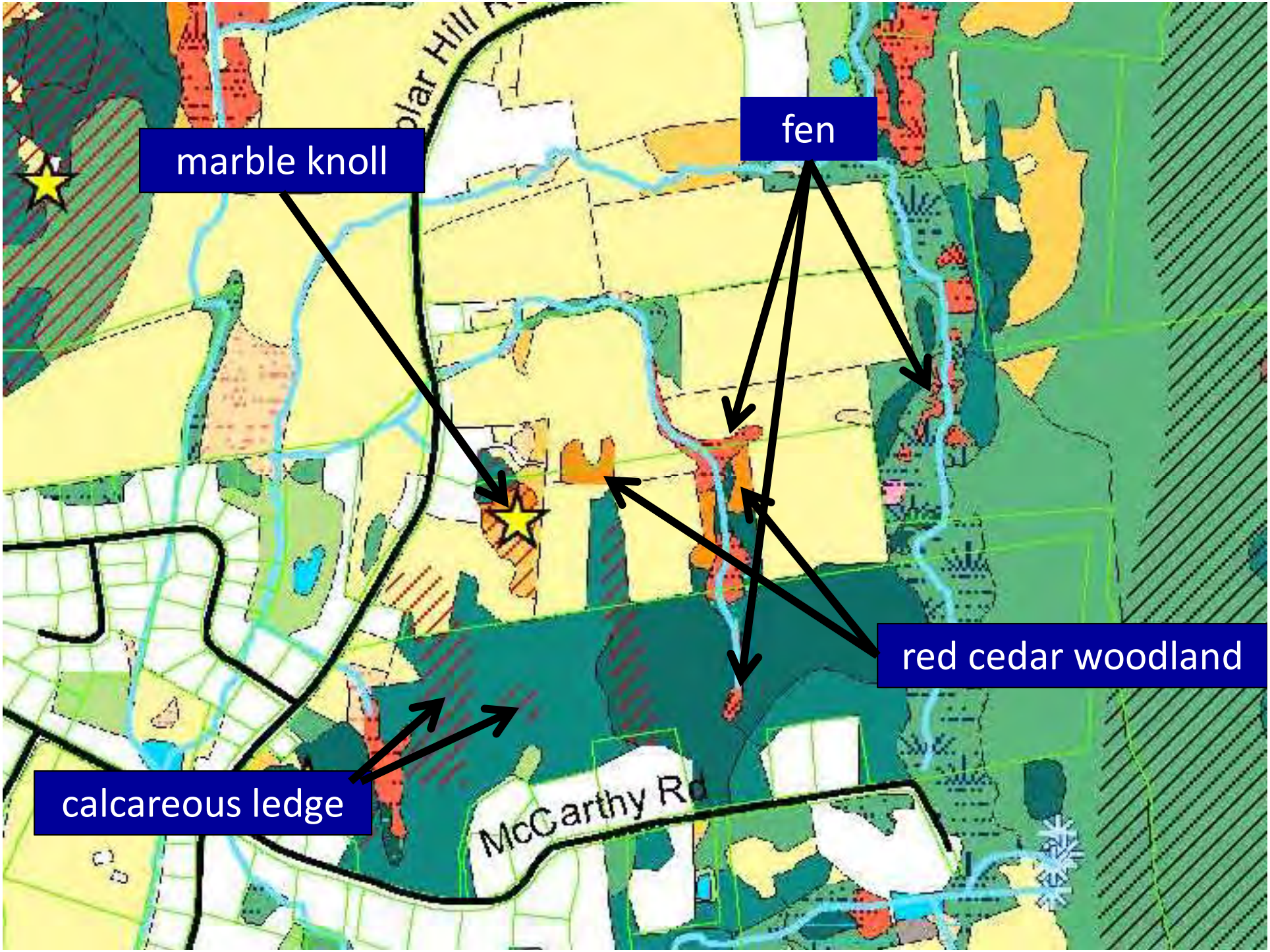


Environmental Reviews



Reviews of Development Projects


crest oak woodland
kettle shrub pool
rocky barren
Dover Furnace
Mill River
Dover Furnace Rd
Ore Bed Rd
Cooperstown Rd
Cooperstown Brook
Sharparoon Pond
Great
Swamp River


marble knoll
fen
red cedar woodland
calcareous ledge
McCarthy Rd

Significant Habitats
in the Town of Beekman, Dutchess County, New York

Report to the Town of Beekman

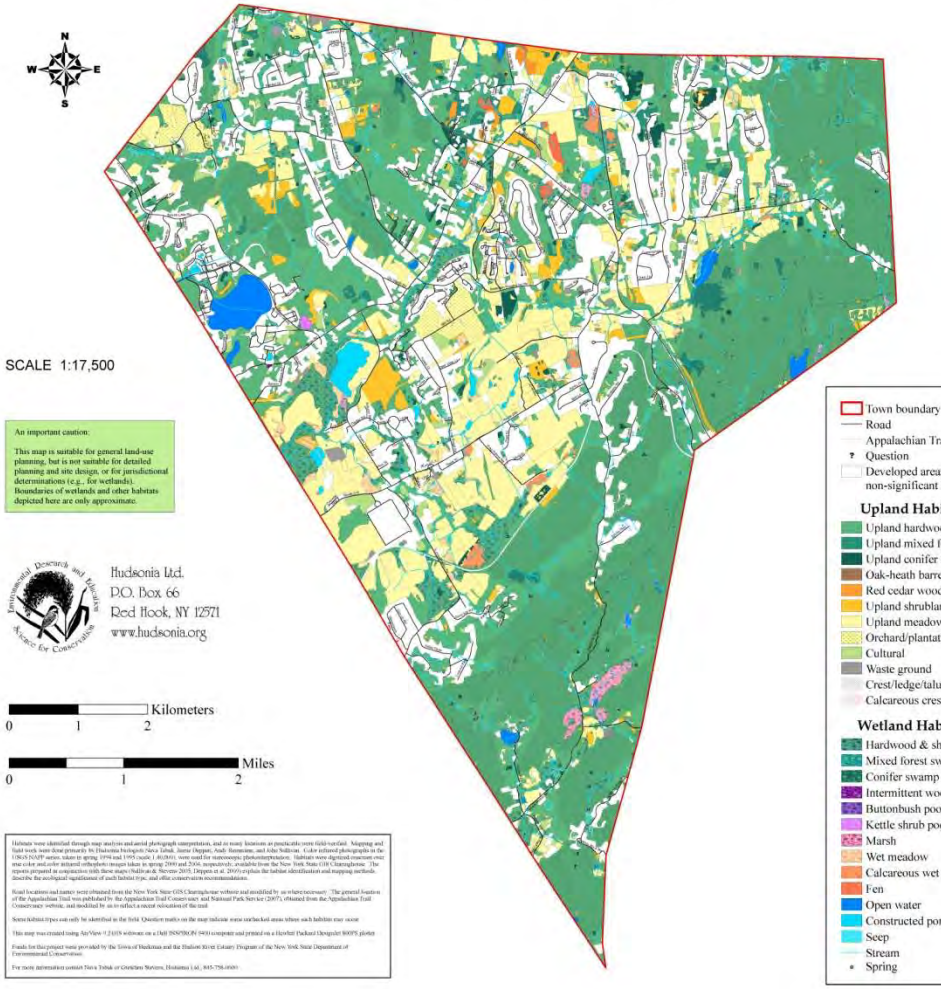
By Jamie Deppen, Nava Tabak,
Gretchen Stevens, and Kristen Bell

December 2009

Hudsonia Ltd.
P.O. Box 66
Red Hook, NY 12571

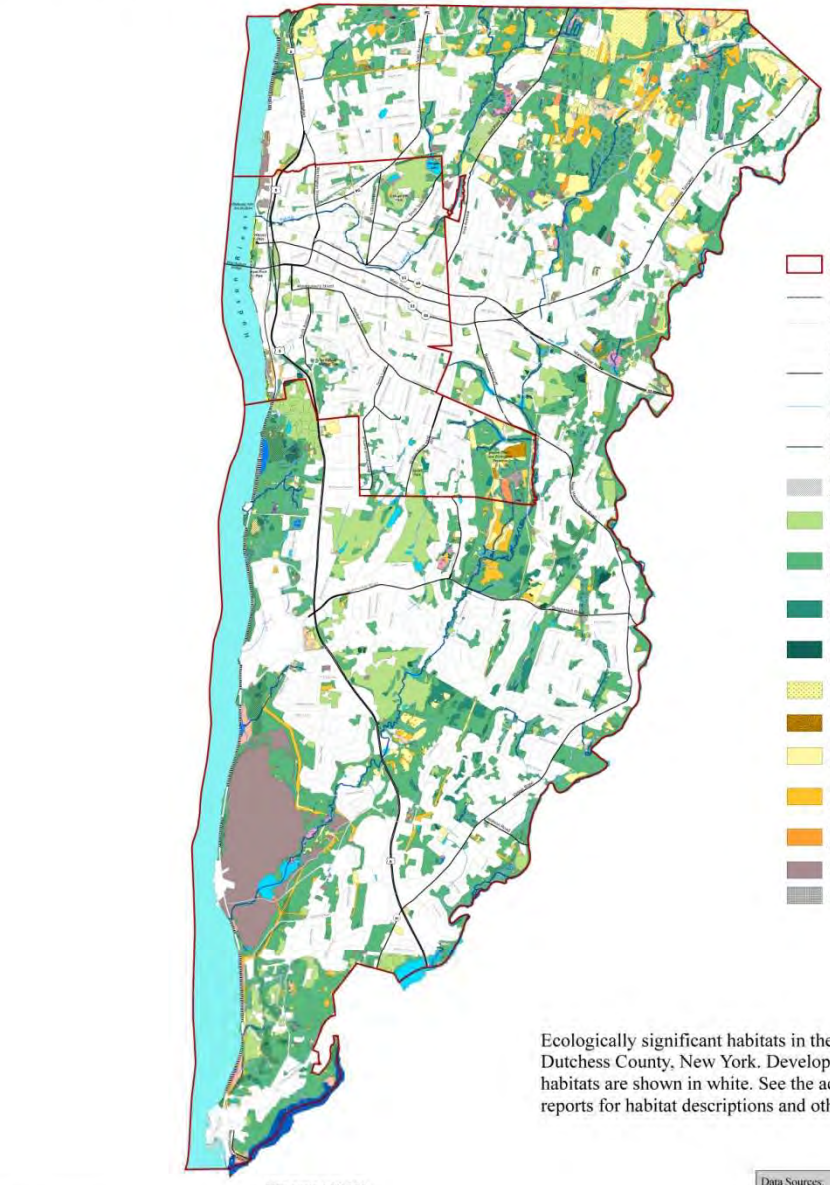
SIGNIFICANT HABITATS IN THE TOWN OF BEEKMAN, NY

(For greater detail see sheets 1-3)



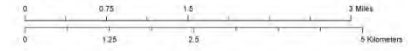
Kristen Bell

Significant Habitats in the City and Town of Poughkeepsie



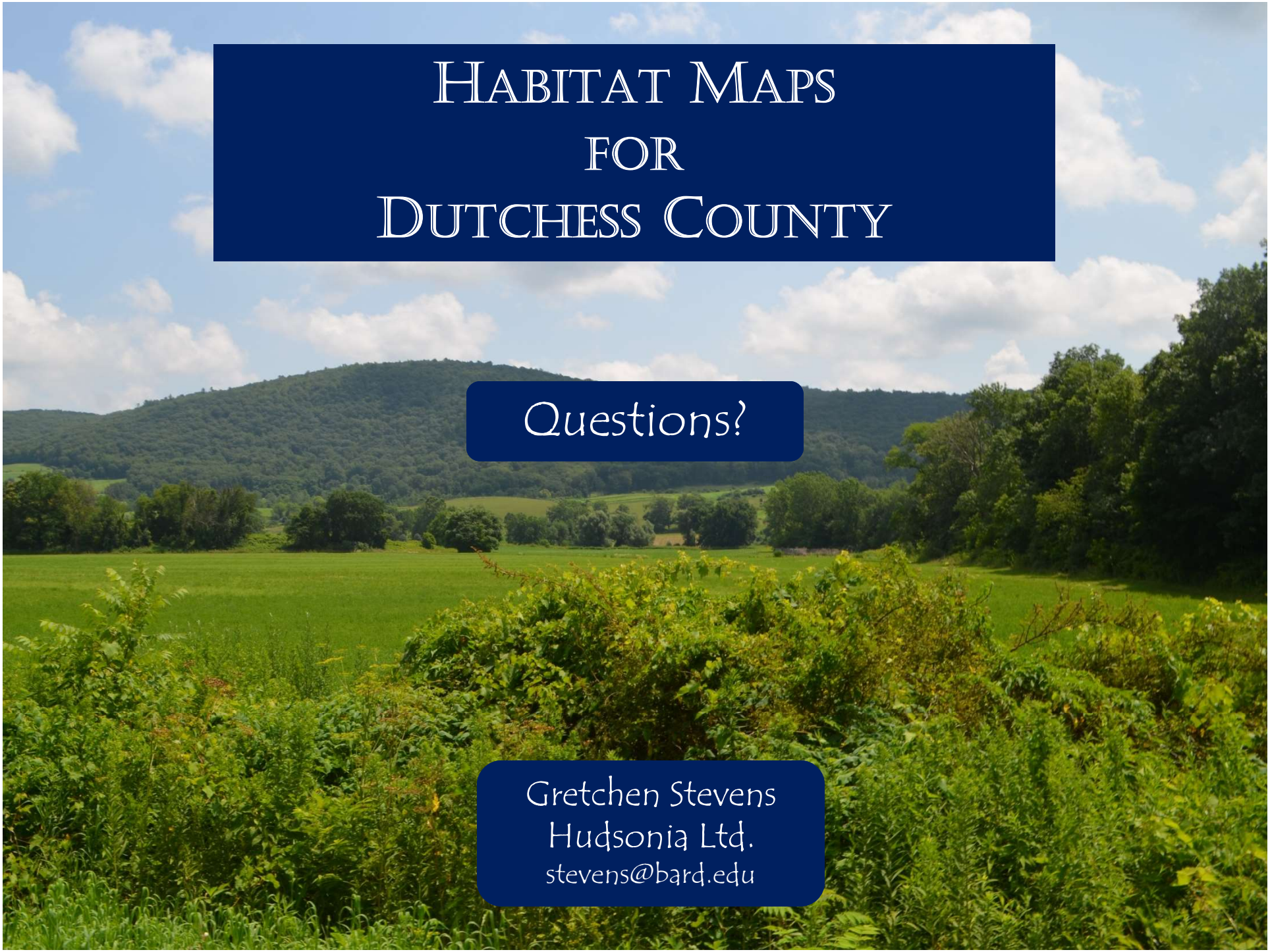
Ecologically significant habitats in the City and Town of Poughkeepsie, Dutchess County, New York. Developed areas and other non-significant habitats are shown in white. See the accompanying *Significant Habitats* reports for habitat descriptions and other information.

Map scale 1:20,000



Hudsonia Ltd.

Data Sources:
Habitats for the City of Poughkeepsie were delineated from 2013 orthoimagery, downloaded from NYS GIS Clearinghouse (https://gis.ny.gov/), and field observations. Methods and habitats are described in *Significant Habitats in the Town of Poughkeepsie, Dutchess County, New York* (Tabak and Stevens 2008) and *Significant Habitats in the City of Poughkeepsie, Dutchess County, New York* (Hefferman and Stevens 2018). Road, boundary and railroad data from NYS GIS Clearinghouse. Map created by Hudsonia Ltd, Annandale, NY.



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Questions?

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