

TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

DRAFT
1. Base Map

March 2021

LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- County Routes
- Local Roads
- Open Water
- River/Stream

Sources:
Esri, NYS ITS, Dutchess County,
Town of Poughkeepsie

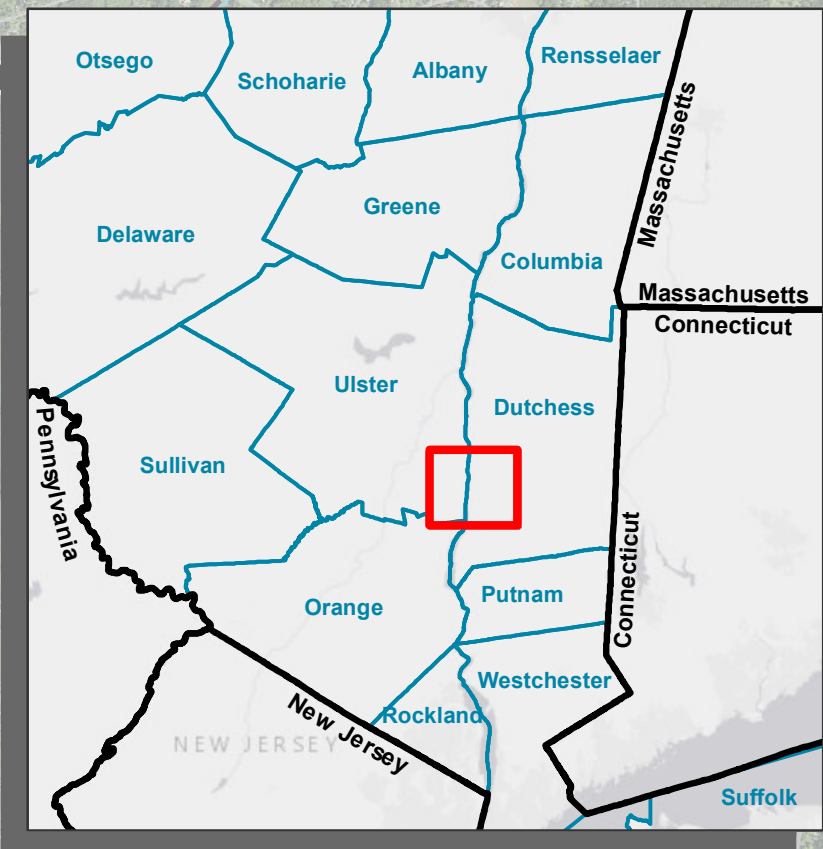
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TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

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2. Aerial Imagery

March 2021


LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- County Routes
- Local Roads
- River/Stream



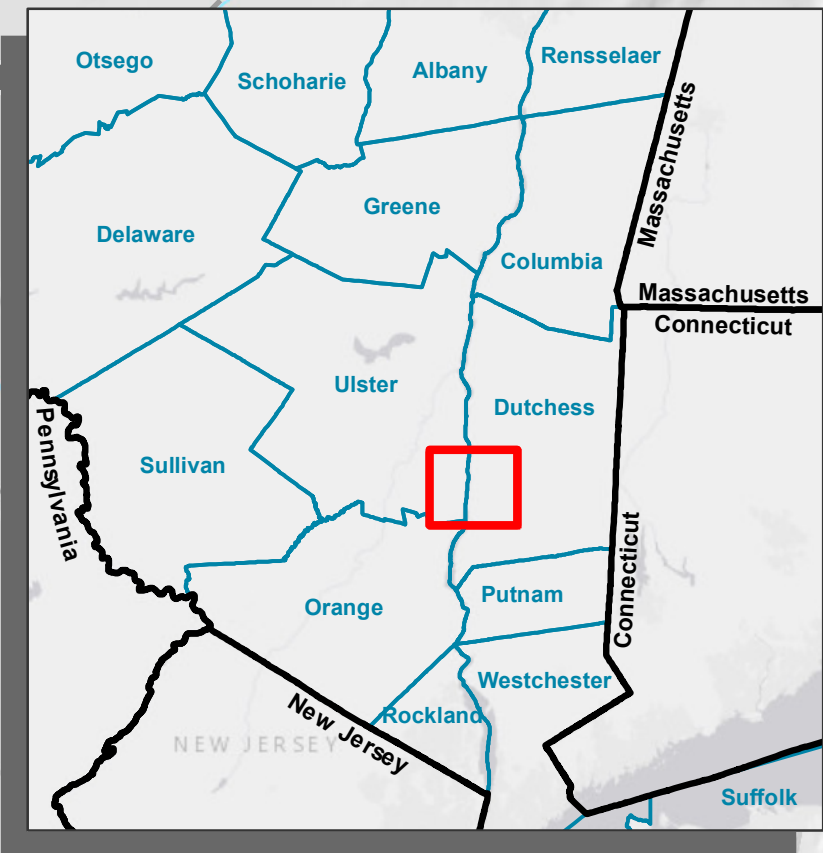
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Sources:
Esri, NYS ITS, NAIP 2019
Imagery, Dutchess County, Town
of Poughkeepsie

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TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

3. **DRAFT** Topography & Steep Slopes March 2021

LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- County Routes
- River/Stream
- Open Water
- Steep Slopes (>15%)

Elevation (ft)	
<50 ft	
50 - 100 ft	
100 - 150 ft	
150 - 200 ft	
200 - 250 ft	
250 - 300 ft	
300 - 350 ft	
350 - 400 ft	
400 - 450 ft	
450 - 500 ft	



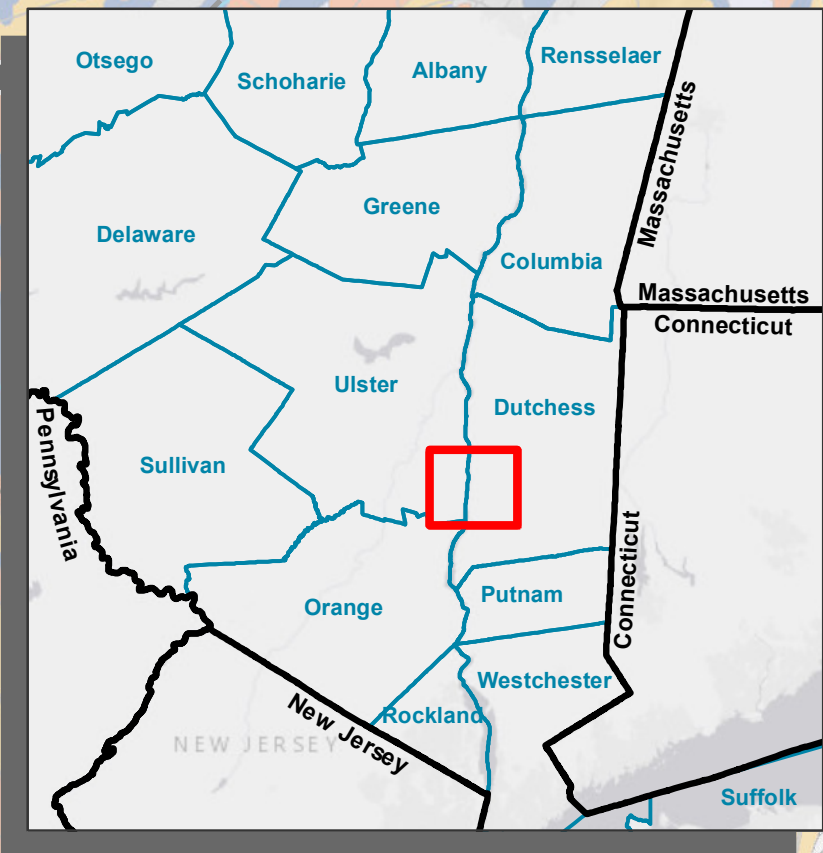
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Sources:
Esri, NYS ITS, USGS, NYSDEC,
Dutchess County, Town of
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Natural Resource Inventory & Open Space Plan

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6. Soils

March 2021

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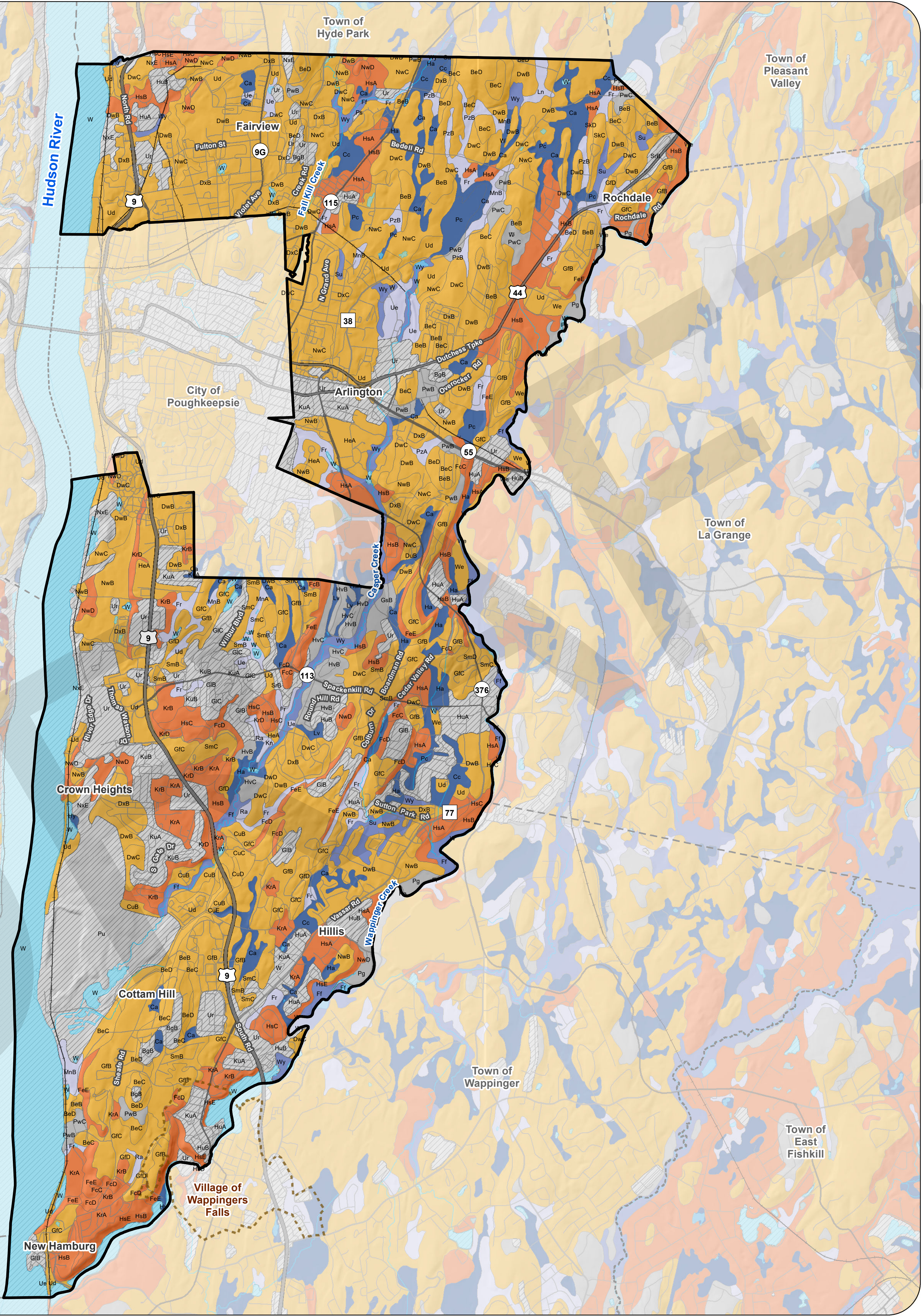
- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- County Routes
- Local Roads
- River/Stream
- Open Water

Soil Drainage Class

- Excessively drained*
- Somewhat excessively drained
- Well drained
- Moderately well drained
- Somewhat poorly drained
- Poorly drained
- Very poorly drained
- Unclassified

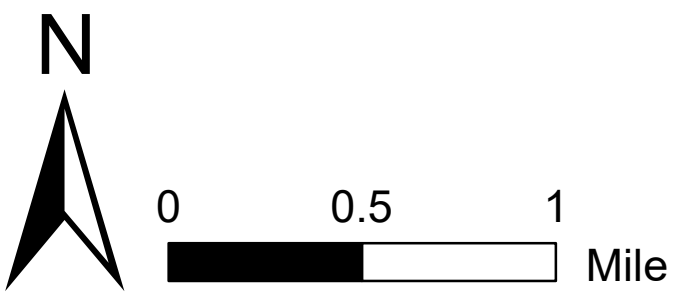
*None present in the Town

Code	Soil Name	Code	Soil Name
BeB	Bernardston silt loam, 3 to 8 percent slopes	HvD	Hudson and Vergennes soils, hilly
BeC	Bernardston silt loam, 8 to 15 percent slopes	Hy	Hydraquents and Medisaprists soils, ponded
BeD	Bernardston silt loam, 15 to 25 percent slopes	Kn	Kingsbury and Rhinebeck soils
BgB	Bernardston-Urban land complex, 3 to 8 percent slopes	KrA	Knickerbocker fine sandy loam, nearly level
Ca	Canandaigua silt loam, neutral substratum	KrB	Knickerbocker fine sandy loam, undulating
Cc	Catden muck, 0 to 2 percent slopes	KrD	Knickerbocker fine sandy loam, hilly
CuB	Copake gravelly silt loam, undulating	KuA	Knickerbocker-Urban land complex, nearly level
CuC	Copake gravelly silt loam, rolling	KuB	Knickerbocker-Urban land complex, undulating
CuD	Copake gravelly silt loam, hilly	Ln	Linlithgo silt loam
CuE	Copake gravelly silt loam, 25 to 45 percent slopes	Lv	Livingston silt clay loam
DuB	Dutchess silt loam, 3 to 8 percent slopes	MnA	Massena silt loam, 0 to 3 percent slopes
DwB	Dutchess-Cardigan complex, undulating, rocky	MnB	Massena silt loam, 3 to 8 percent slopes
DwC	Dutchess-Cardigan complex, rolling, rocky	NwB	Nassau-Cardigan complex, undulating, very rocky
DwD	Dutchess-Cardigan complex, hilly, rocky	NwC	Nassau-Cardigan complex, rolling, very rocky
DxB	Dutchess-Cardigan-Urban land complex, undulating, rocky	NwD	Nassau-Cardigan complex, hilly, very rocky
DxC	Dutchess-Cardigan-Urban land complex, rolling, rocky	NxE	Nassau-Rock outcrop complex, steep
FcB	Farmington-Galway complex, undulating, very rocky	Pc	Natchaug muck, 0 to 2 percent slopes
FcC	Farmington-Galway complex, rolling, very rocky	Pg	Pawling silt loam
FcD	Farmington-Galway complex, hilly, very rocky	Ps	Pits, gravel
FeE	Farmington-Rock outcrop complex, steep	Pu	Pits, quarry
Ff	Fluvaquents-Udifuvents complex, frequently flooded	PwB	Pittstown silt loam, 3 to 8 percent slopes
Fr	Fredon silt loam	PwC	Pittstown silt loam, 8 to 15 percent slopes
GfB	Galway-Farmington complex, undulating, rocky	PzA	Punsit silt loam, 0 to 3 percent slopes
GfC	Galway-Farmington complex, rolling, rocky	PzB	Punsit silt loam, 3 to 8 percent slopes
GfD	Galway-Farmington complex, hilly	Ra	Raynham silt loam
GfB	Galway-Farmington-Urban land complex, undulating, rocky	SkC	Stockbridge silt loam, 8 to 15 percent slopes
GfC	Galway-Farmington-Urban land complex, rolling, rocky	SkD	Stockbridge silt loam, 15 to 25 percent slopes
GfB	Georgia silt loam, 3 to 8 percent slopes	SmB	Stockbridge-Farmington complex, undulating, rocky
Ha	Halsey mucky silt loam	SmC	Stockbridge-Farmington complex, rolling, rocky
HeA	Haven loam, nearly level	SmD	Stockbridge-Farmington complex, hilly, rocky
HsA	Hoosic gravelly loam, nearly level	SrB	Stockbridge-Urban land complex, 3 to 8 percent slopes
HsB	Hoosic gravelly loam, undulating	Su	Sun silt loam
HsC	Hoosic gravelly loam, rolling	Ud	Udorthents, smoothed
HsD	Hoosic gravelly loam, hilly	Ue	Udorthents, wet substratum
HsE	Hoosic gravelly loam, 25 to 45 percent slopes	Ur	Urban land
HuA	Hoosic-Urban land complex, nearly level	W	Water
HuB	Hoosic-Urban land complex, undulating	We	Wappinger loam
HvB	Hudson and Vergennes soils, 3 to 8 percent slopes	Wy	Wayland silt loam
HvC	Hudson and Vergennes soils, 8 to 15 percent slopes		

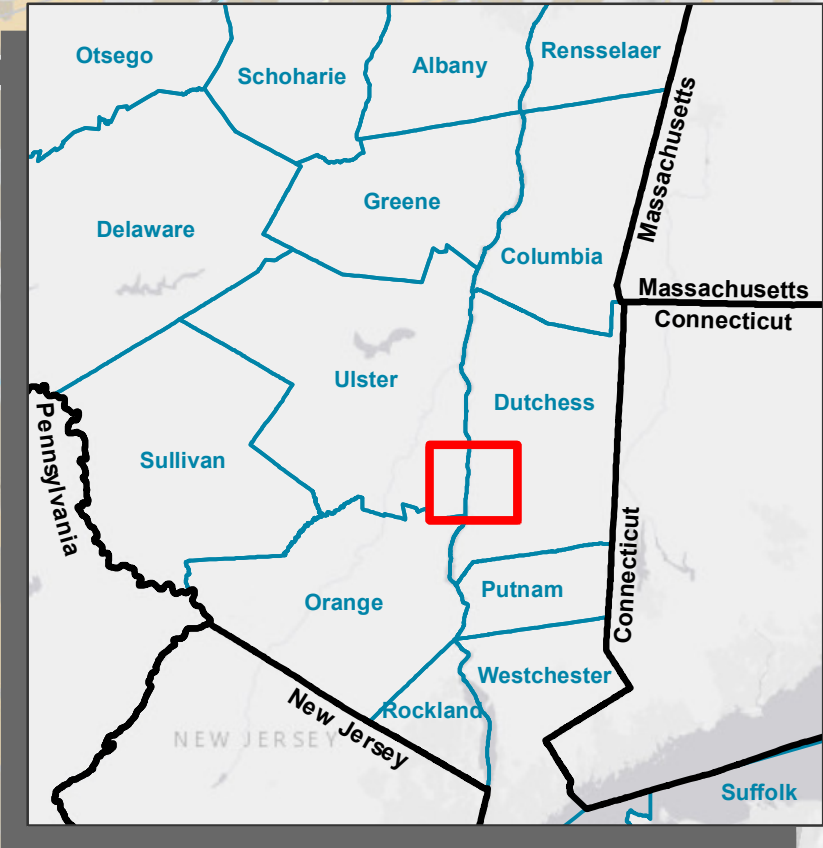


Sources:
Esri, NYS ITS, USDA, Dutchess
County, Town of Poughkeepsie

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Natural Resource Inventory & Open Space Plan

DRAFT 2.1 Agricultural Resources

March 2021

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- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- County Routes
- Local Roads
- Open Water
- River/Stream
- Agricultural Exemption
- County Agricultural District
- Prime Farmland Soils
- Prime Farmland Soils if Drained
- Farmland Soils of Statewide Importance

Sources:
Esri, NYS ITS, Dutchess County,
Town of Poughkeepsie, USDA

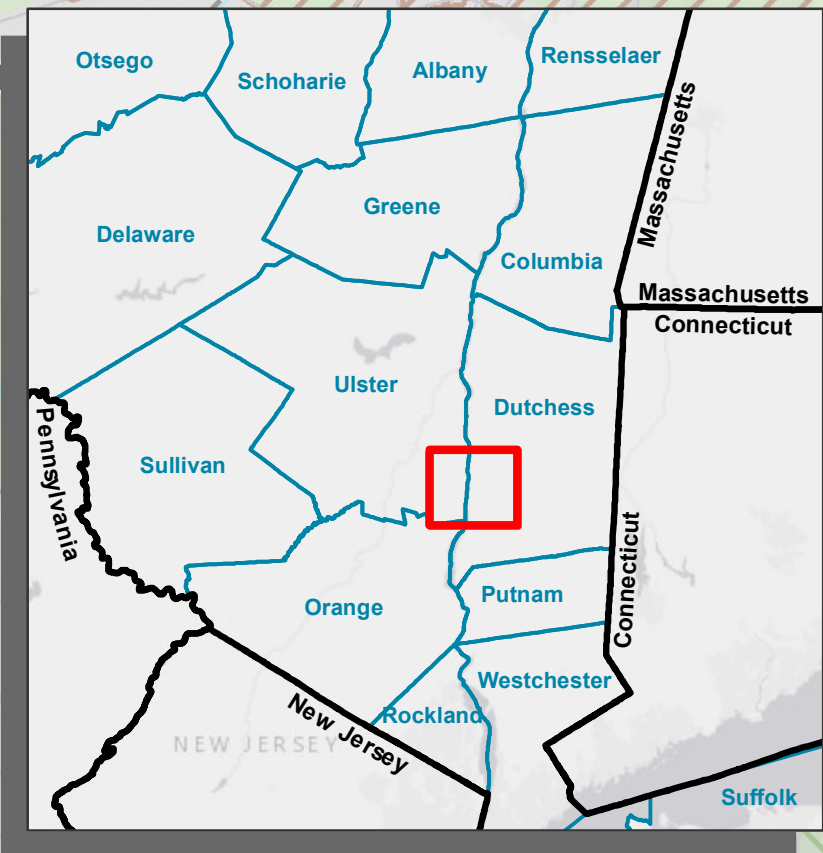
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TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

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17. Large Forests

March 2021

LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- County Routes
- Local Roads
- Open Water
- River/Stream
- Limestone Woodland Forest Community
- Matrix Forest Blocks*
- Regional Forest Linkage Zone*
- Floodplain Forests (Dutchess County)
- Forests < 200 Acres
- Stepping Stone Forest (200-1999 Acres)
- Locally Significant Forest (2000-5999 Acres)*
- Regionally Significant Forest (>6000 Acres)*

*None present in study area

Sources:
Esri, NYS ITS, Dutchess County,
Town of Poughkeepsie, NYSDEC,
NYNHP, Hudsonia, The Nature
Conservancy, Hawthorne Valley
Farmscape Ecology Program

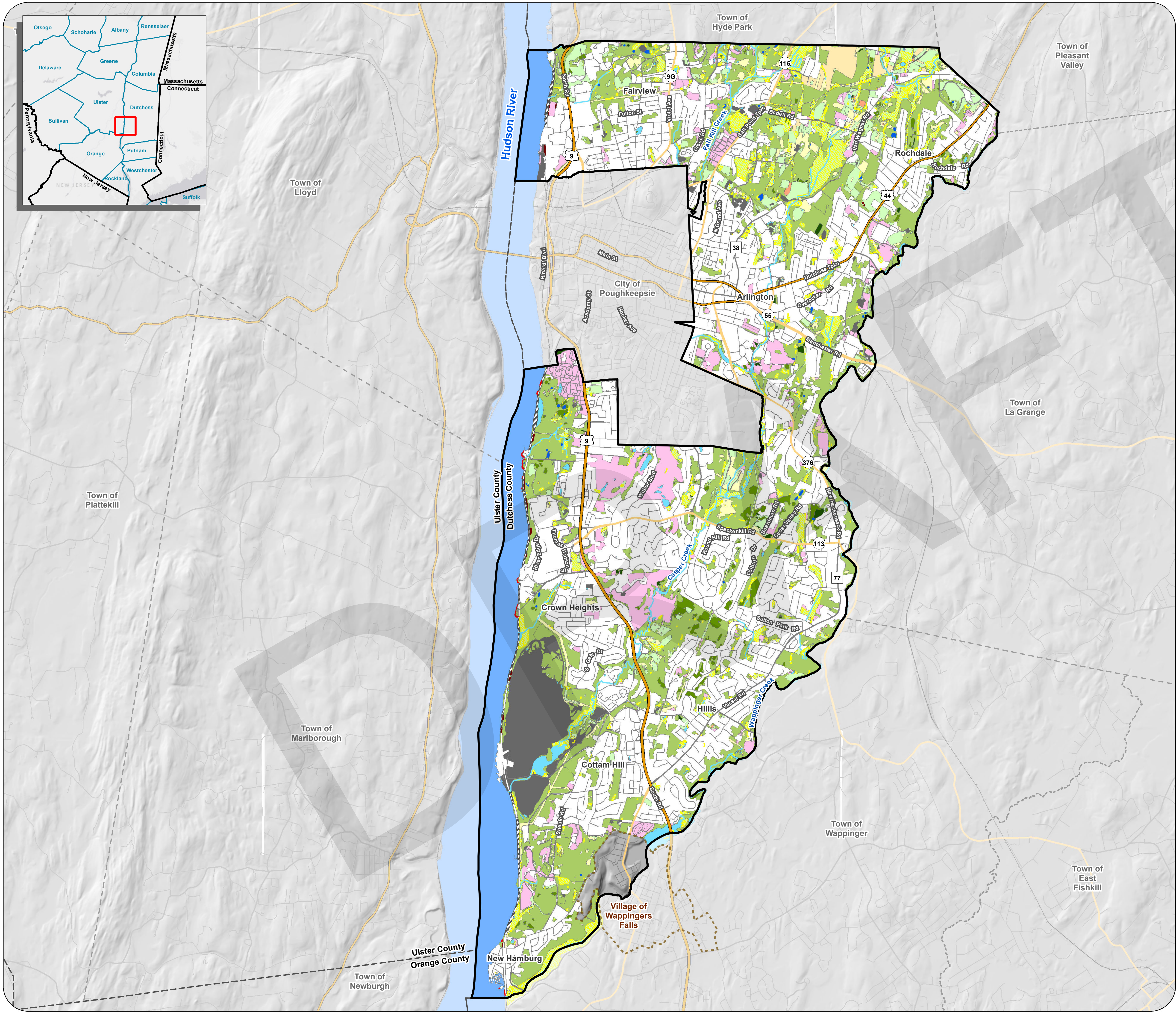
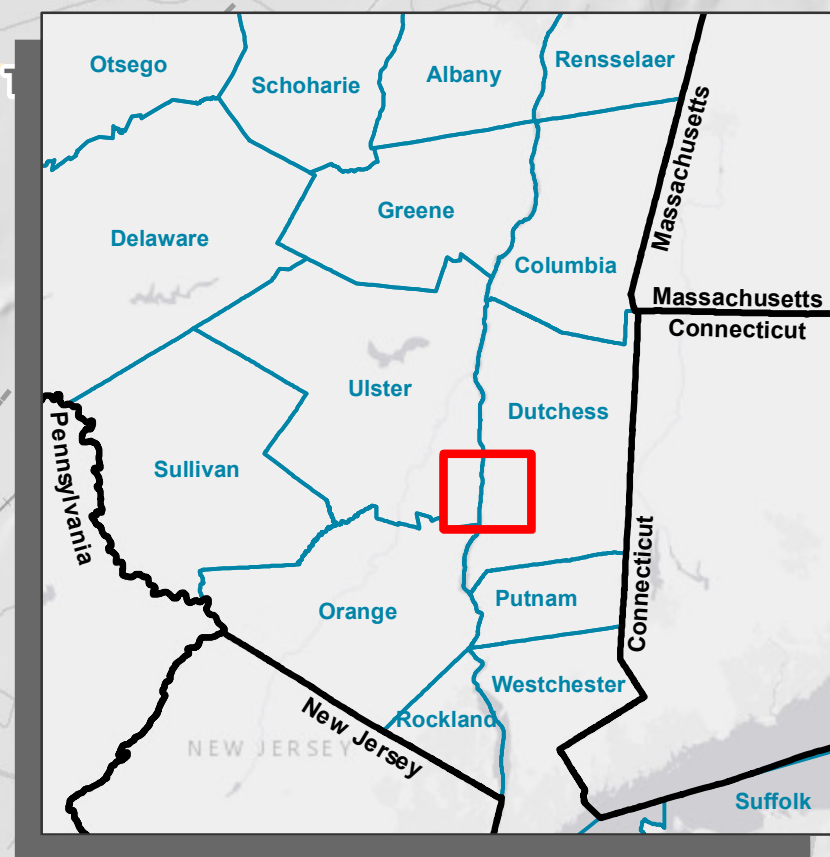
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TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

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13. Habitats

March 2021

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	Town of Poughkeepsie		Cultural
	County Boundary		Developed
	City/Town Boundary		Waste Ground
	Village Boundary		Estuarine Rocky Shore
	Railroad		Crest/ Ledge/Talus
	US Routes		Gravel Bar
	State Routes		Riprap & Native Rock Shore
	County Routes		Supratidal Railroad Causeway
	Local Roads		Crop land/ Orchard/ Plantation
	Perennial Stream		Red Cedar Woodland
			Upland Shrubland
			Upland Meadow
			Upland Hardwood Forest
			Upland Mixed Forest
			Upland Conifer Forest
			Pools
			Open Water/ Pond
			Hudson River
			Wetland Habitat

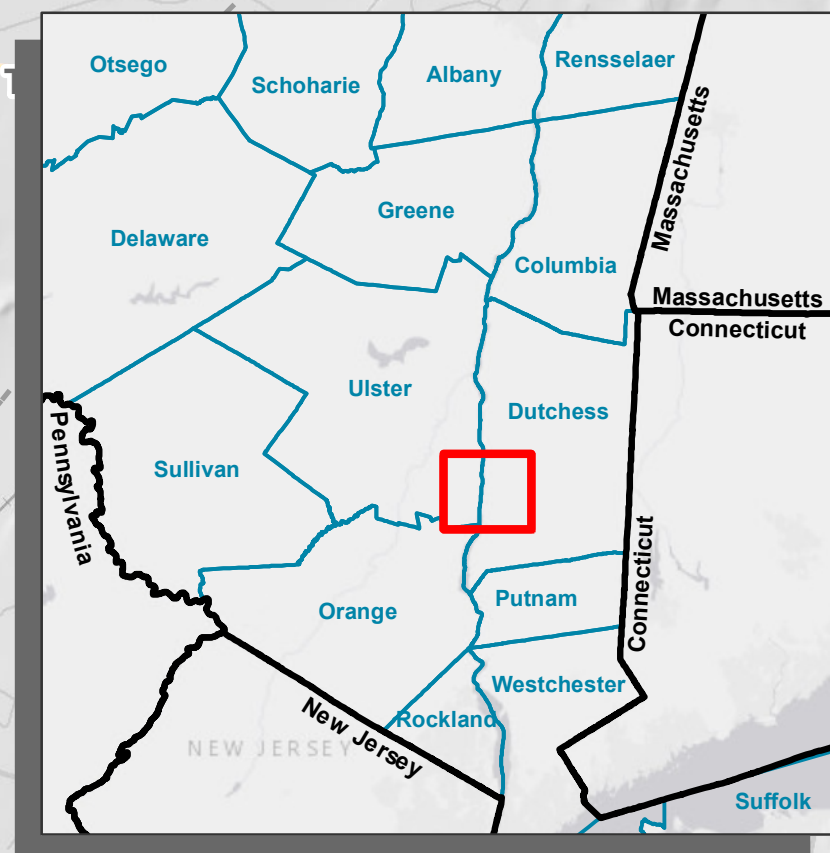
Sources:
Esri, NYS ITS, Dutchess County,
Town of Poughkeepsie, Hudsonia

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TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

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12. Wetland Habitats

March 2021

LEGEND

Town of Poughkeepsie	Wetland Habitat Type
County Boundary	Hardwood & Shrub Swamp
City/Town Boundary	Marsh
Village Boundary	Calcareous Wet Meadow
Railroad	Wet Meadow
US Routes	Tidal Tributary Mouth
State Routes	Tidal Mudflat
County Routes	Tidal Marsh
Local Roads	Tidal Swamp
Perennial Stream	Subtidal Shallows
Hudson River	Pools
	Open Water/ Pond

Sources:
Esri, NYS ITS, Dutchess County,
Town of Poughkeepsie, Hudsonia

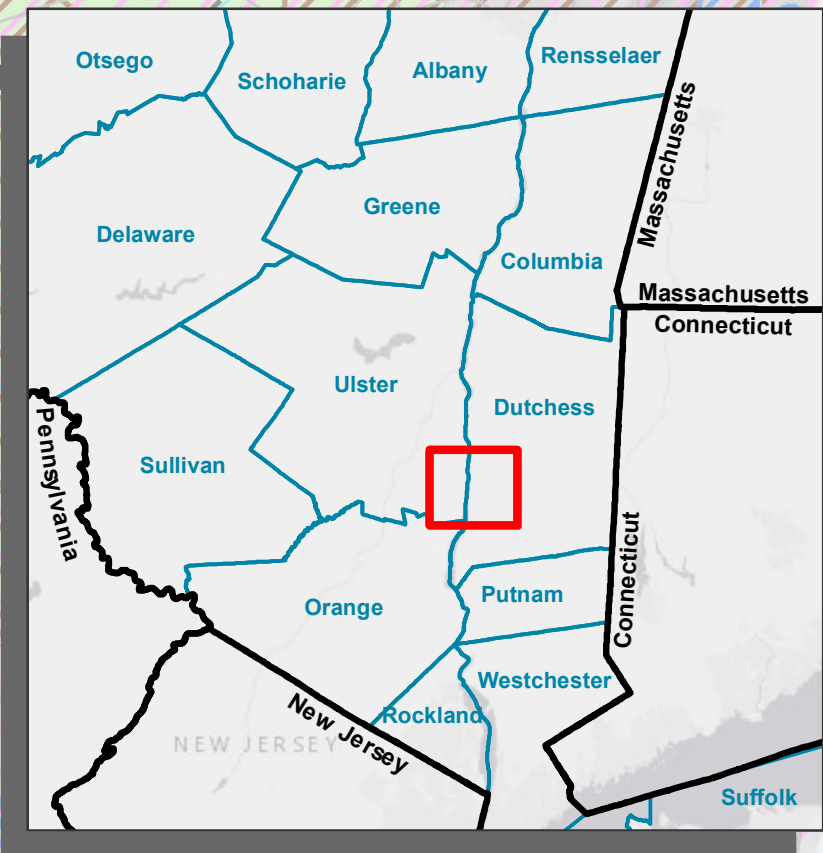
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TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

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14. Important Biodiversity Areas

March 2021

LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- County Routes
- Local Roads
- River/Stream
- Open Water
- Significant Biodiversity Area
- Important Areas: Aquatic Animals & Diadromous Fish
- Important Areas: Terrestrial Animals
- Important Areas: Plants
- Important Areas: Wetland Animals
- Important Areas: Bat Foraging

Sources:
Esri, NYS ITS, Dutchess County,
Town of Poughkeepsie, NYSDEC,
NYNHP, Hudsonia

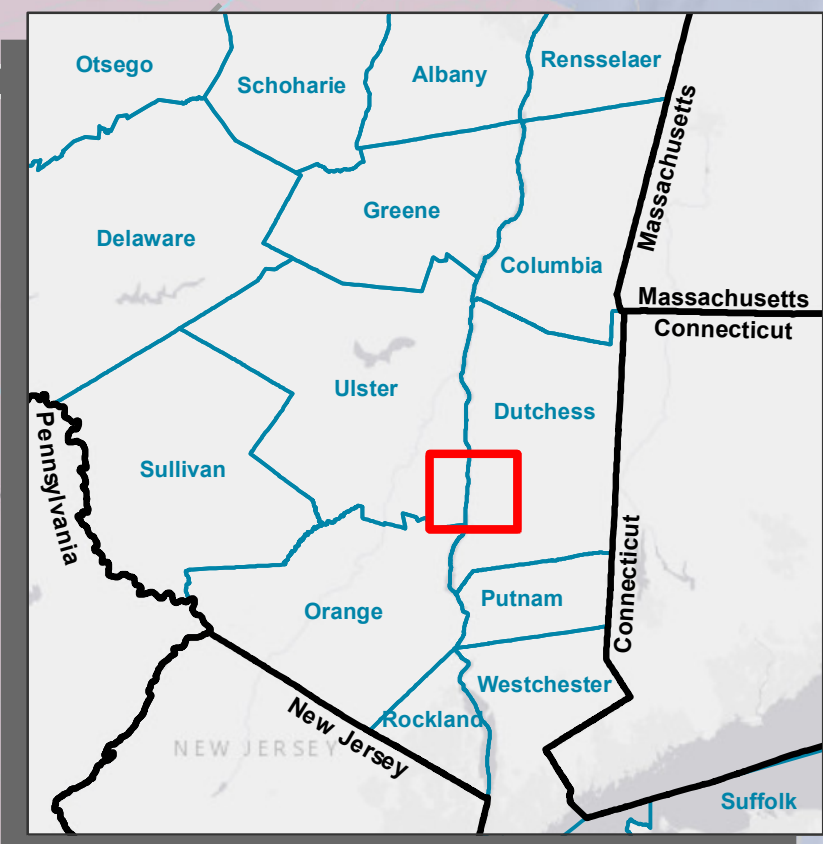
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TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

DRAFT 4. Bedrock Geology

March 2021

LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- County Routes
- Local Roads
- River/Stream
- Open Water

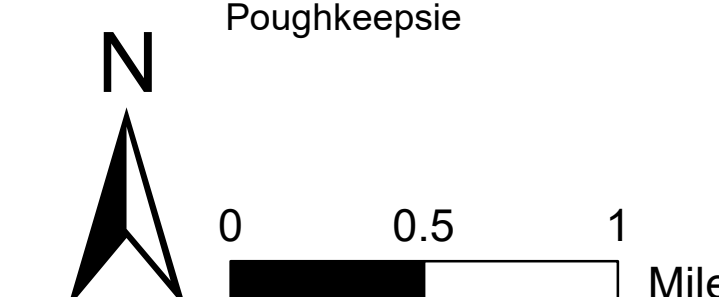
Bedrock Geology Unit - Primary Materials

- Cev - Everett Schist - schist, meta-graywacke, quartzite *
- Cg - Germantown Formation - shale, conglomerate, limestone *
- Cn - Nassau Formation - shale, argillite quartzite, sandstone *
- OCw - Wappinger Group - Limestone, dolostone
- Oag - Austin Glen Formation - graywacke, shale
- Oba - Balmville Limestone - limestone
- Omi - Mount Merino Formation - shale, slate, argillite
- On - Normanskill Shale - shale, argillite
- Oqu - Quassaic Quartzite - quartzite, sandstone, shale, limestone*
- Osf - Stuyvesant Falls Formation - shale, chert, limestone
- Otm - Taconic Melange - mixed materials
- Owl - Walloomsac Formation - slate, phyllite, schist*
- h2o - Water

*None present in the Town

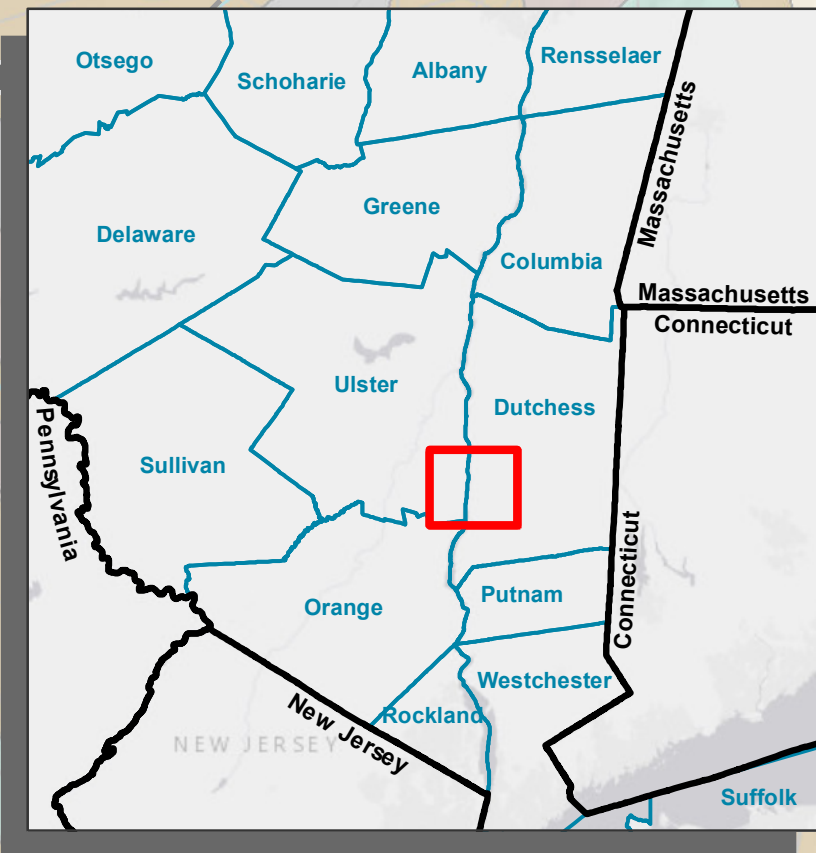
Sources:
Esri, NYS ITS, NYS Museum,
Dutchess County, Town of
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TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

DRAFT 5. Surficial Geology

March 2021

LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- County Routes
- Local Roads
- River/Stream
- Open Water
- Active or Reclaimed Mine

Surficial Geology

- Recent Alluvium
- Kame Deposits
- Lacustrine Delta
- Lacustrine Sand
- Lacustrine Silt and Clay
- Outwash Sand and Gravel
- Swamp Deposits
- Bedrock
- Till

Sources:
Esri, NYS ITS, NYS Museum,
Dutchess County, Town of
Poughkeepsie

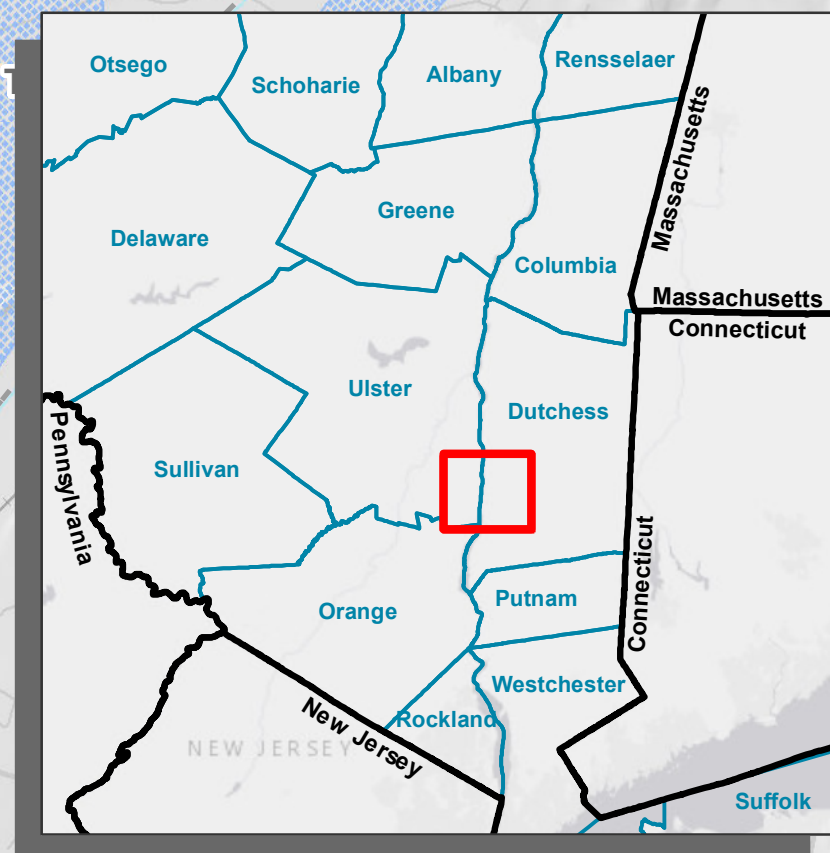
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TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

7. Drinking Water Resources

March 2021

LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- County Routes
- Local Roads
- Open Water
- River/Stream
- Poughkeepsie Water Intake
- NYSDEC Drinking Water Wells
- Unconsolidated Aquifers

Sources:
Esri, NYS ITS, Dutchess County,
Town of Poughkeepsie, NYSDEC

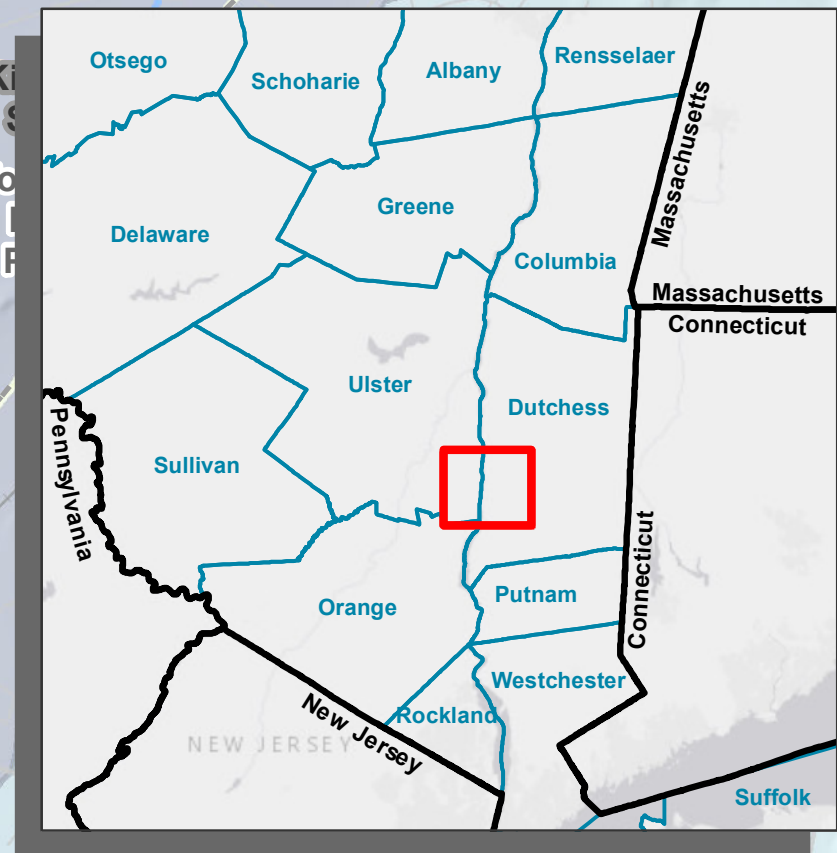
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TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

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DEC Stream Class and
Watersheds

March 2021

LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- County Routes
- Local Roads
- Class B Streams
- Class C Streams
- Other Stream Classes*
- Open Water**
- Subwatershed

Watersheds

- Fishkill Creek Watershed*
- Landsman Kill-Hudson River Watershed
- Lower Wallkill River Watershed*
- Quassaic Creek-Hudson River Watershed
- Wappinger Creek Watershed

*None present in the Town

**Open water inside the Town with a classification class provided by the NYSDEC has been labeled on the map.

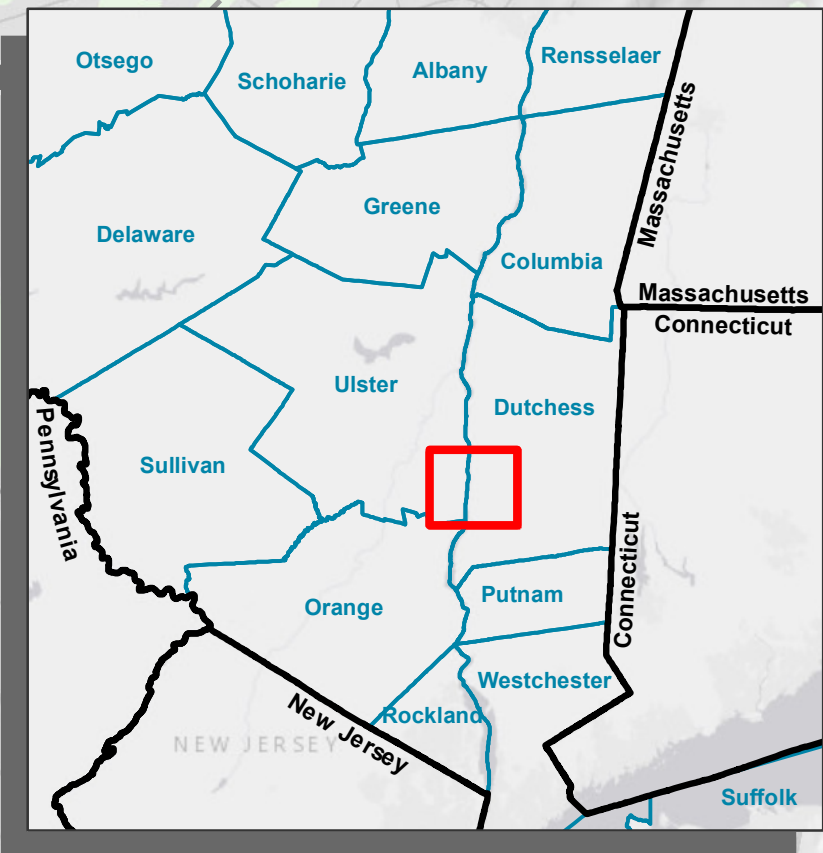
Sources:
Esri, NYS ITS, Dutchess County,
Town of Poughkeepsie, NYSDEC,
NYNHP, Hudsonia

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TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

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10. Stream Habitats

March 2021

LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- County Routes
- Local Roads
- Dams
- Large Culverts
- Perennial Stream
- Intermittent Stream
- Trout/Trout Spawning Waters
- Open Water
- Riparian Buffer (NYNHP)

Sources:
Esri, NYS ITS, Dutchess County,
Town of Poughkeepsie, NYSDEC,
NYNHP, Hudsonia

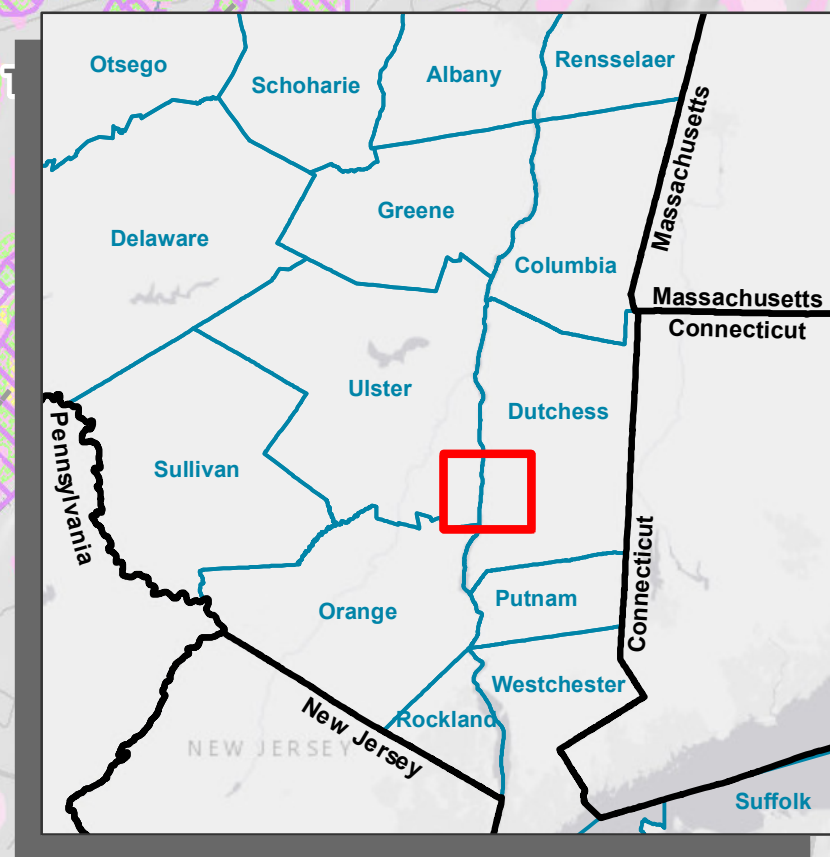
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11. Wetlands

March 2021

LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- County Routes
- Local Roads
- NYSDEC Wetland
- Possible Wetland
- Probable Wetland

Federal Wetland Type

- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond/Lake
- River/Estuary

Sources:
Esri, NYS ITS, Dutchess County,
Town of Poughkeepsie, NYSDEC,
NYNHP, Hudsonia

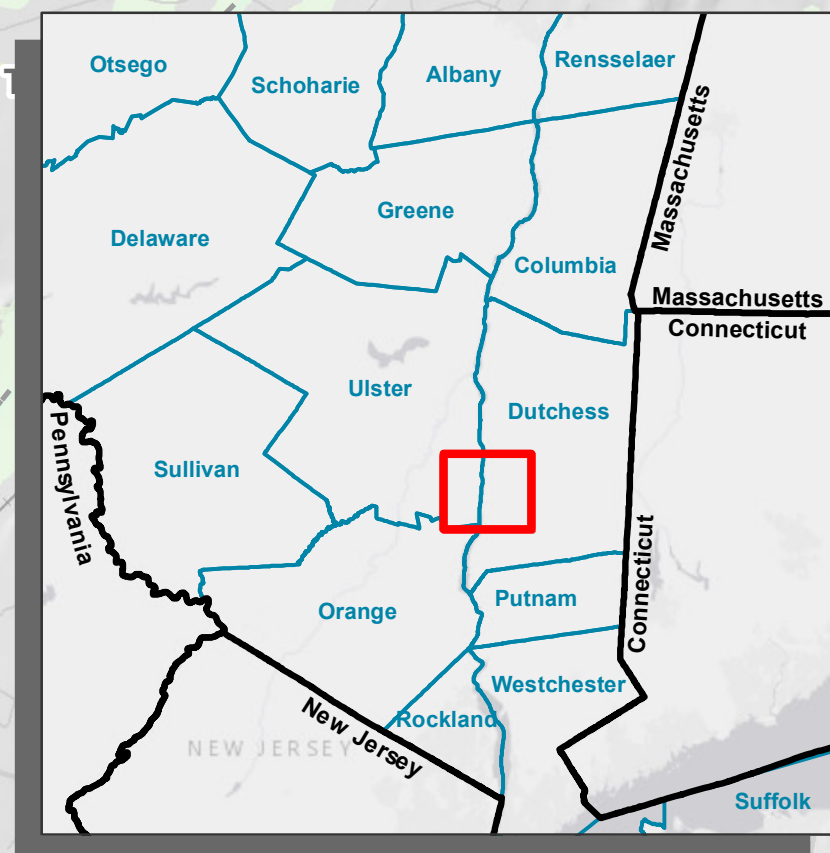
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TOWN OF POUGHKEEPSIE

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9. Flood Hazard Areas

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LEGEND

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- County Boundary
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- US Routes
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- County Routes
- Local Roads
- River/Stream
- Open Water

FEMA Flood Hazard Areas

- 1% (100-Year) Flood Zone
- 0.2% (500-Year) Flood Zone
- Riparian Buffer (NYNHP)

Sources:
Esri, NYS ITS, FEMA, Dutchess
County, NYNHP, Town of
Poughkeepsie

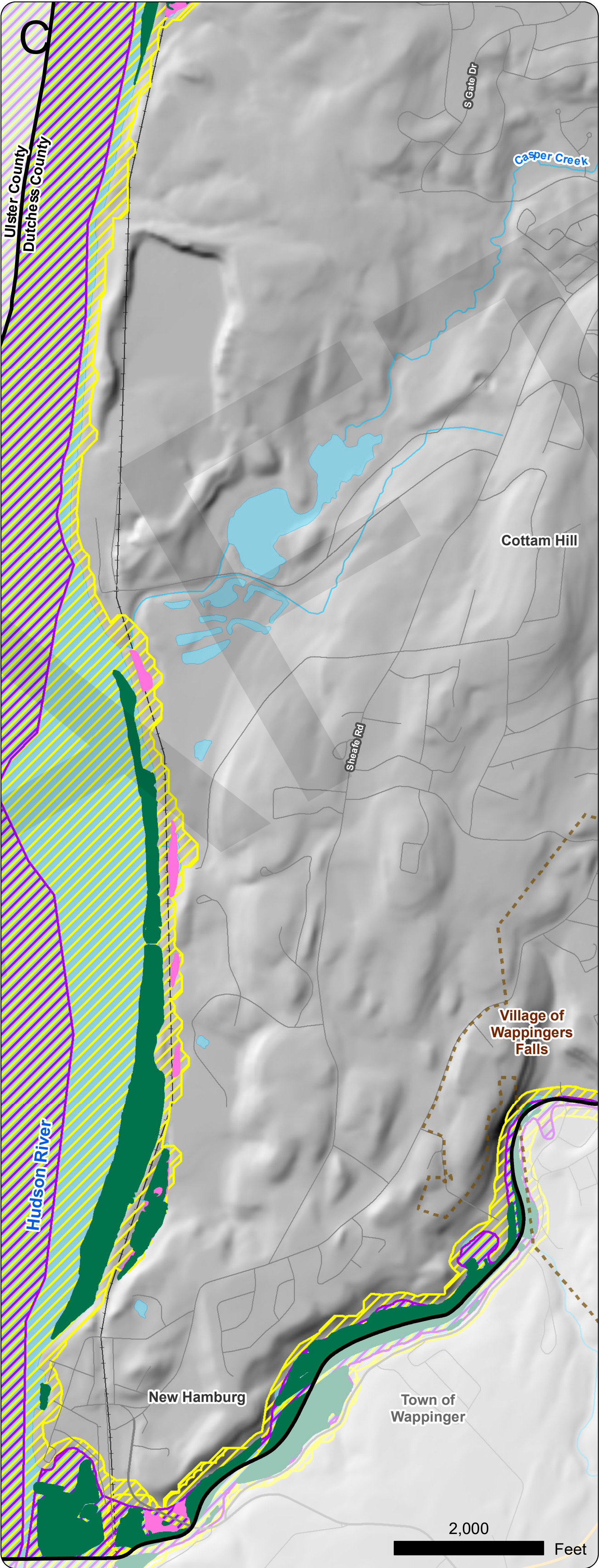
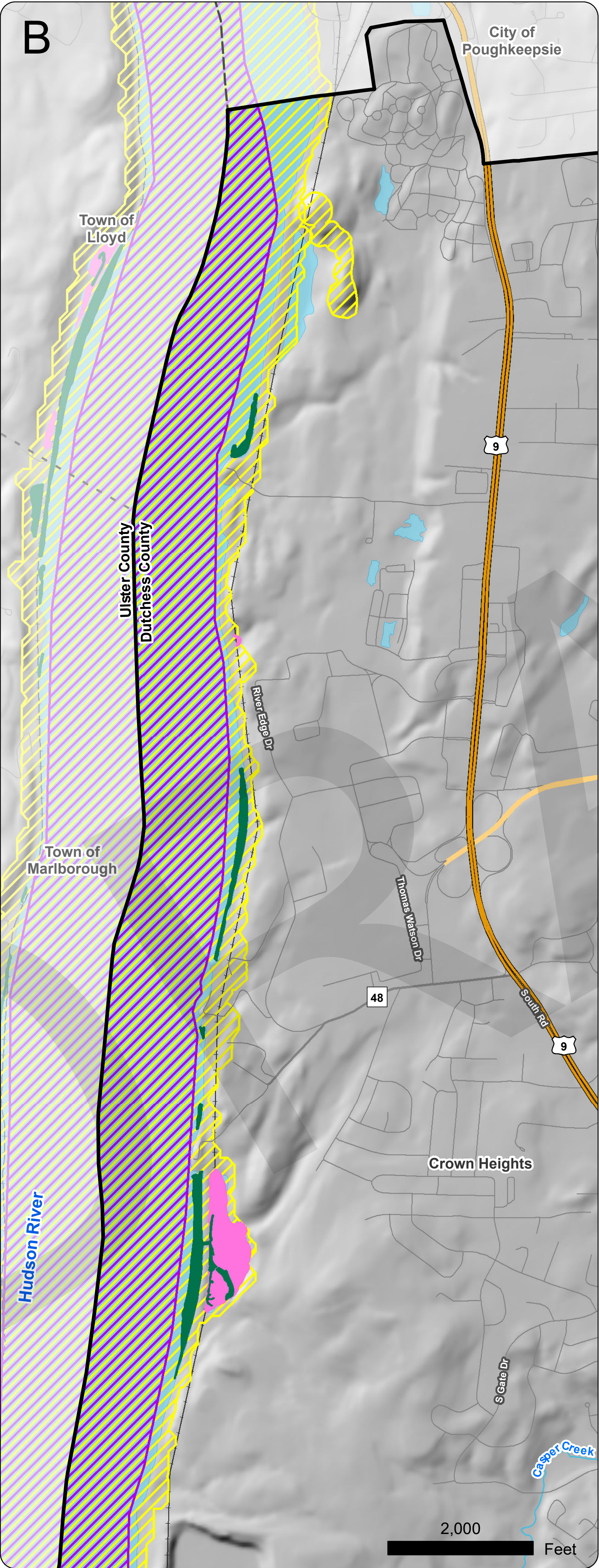
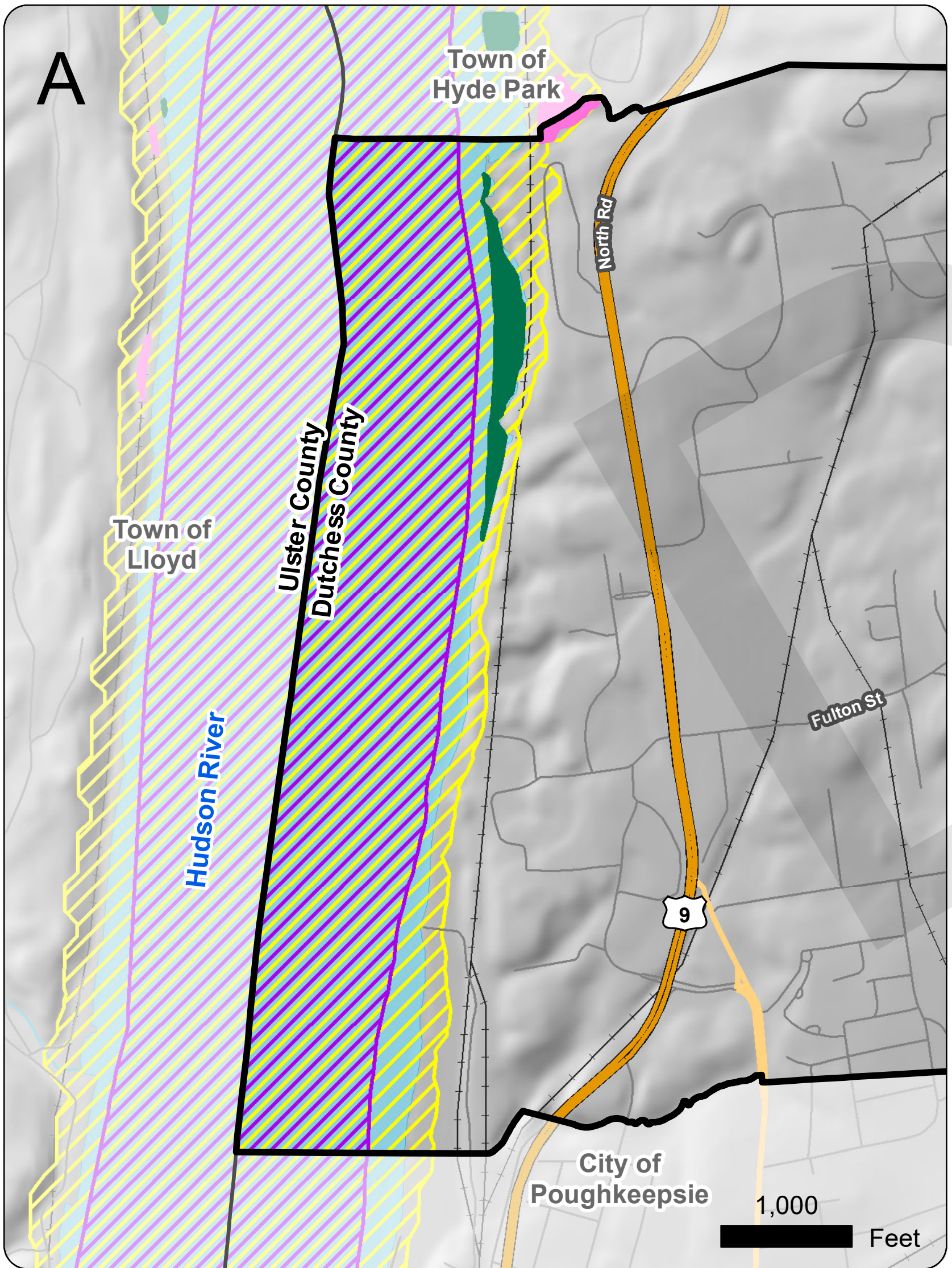
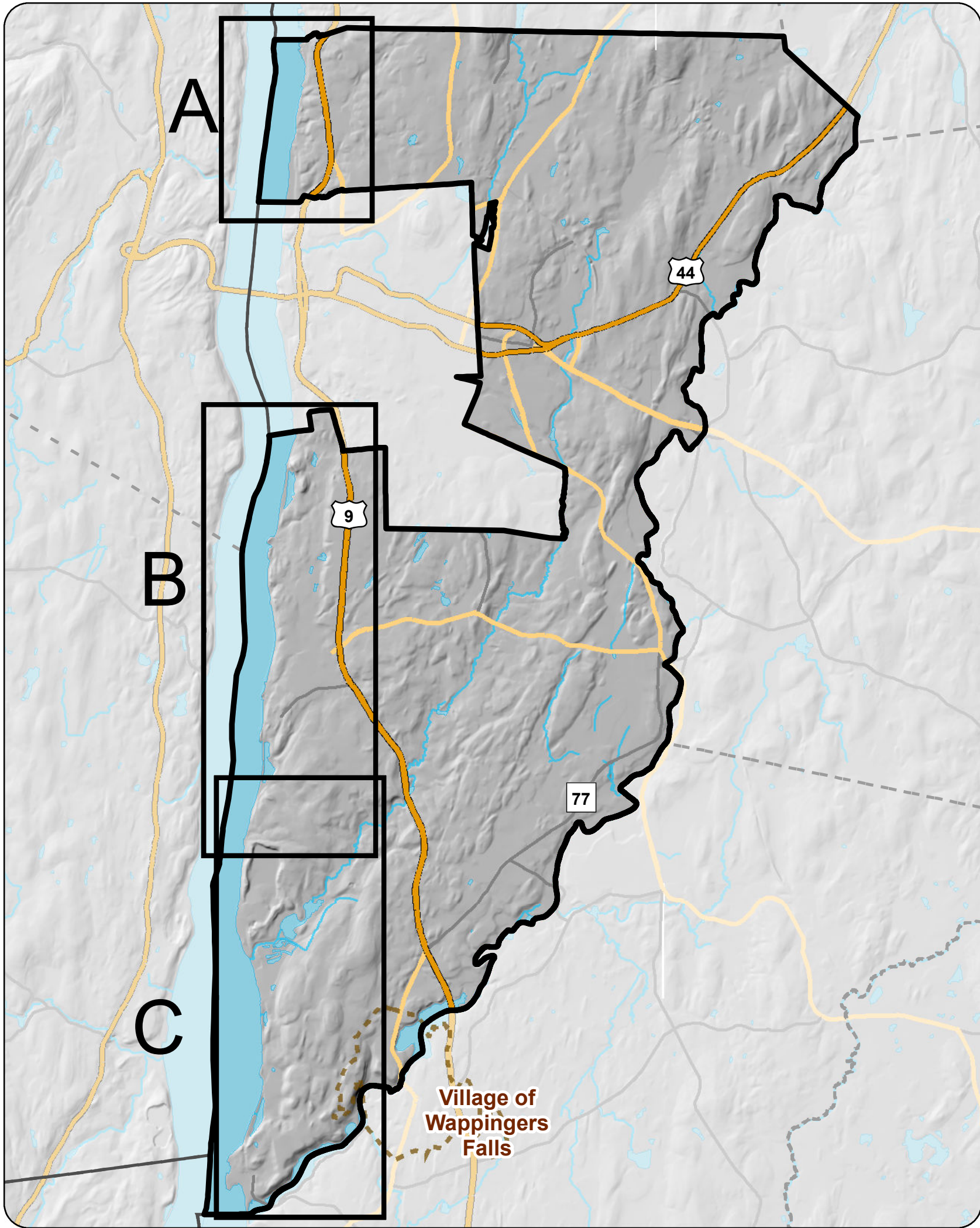
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TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

DRAFT 15. Coastal Habitats

March 2021

LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- Local Roads
- Open Water
- River/Stream
- Submerged Aquatic Vegetation
- Tidal Wetlands
- Significant Coastal Fish and Wildlife Habitat
- Significant Natural Communities

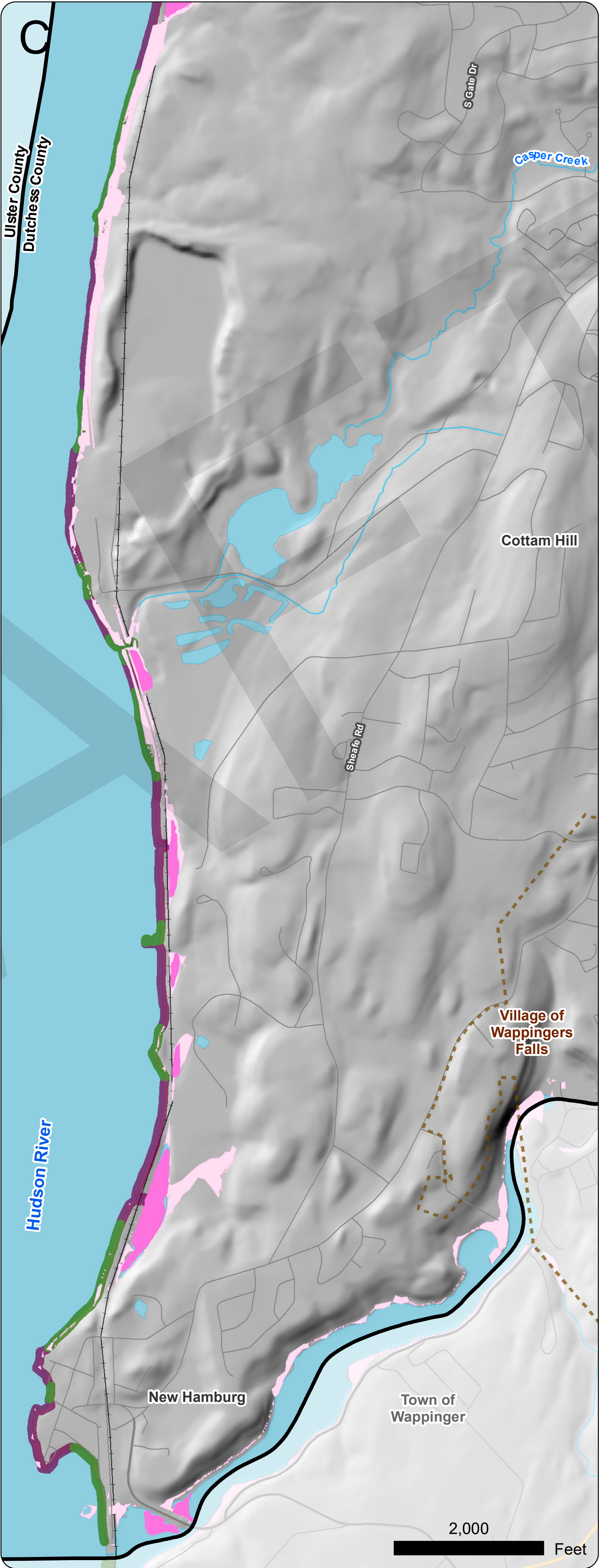
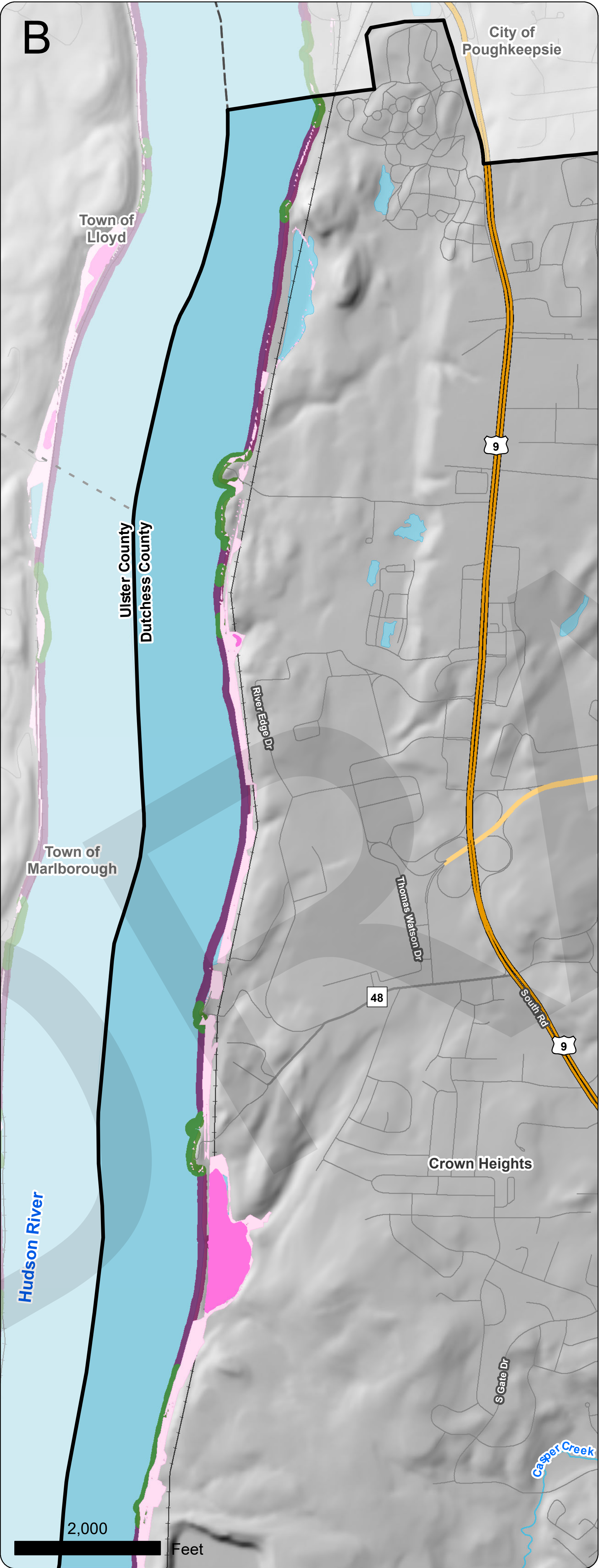
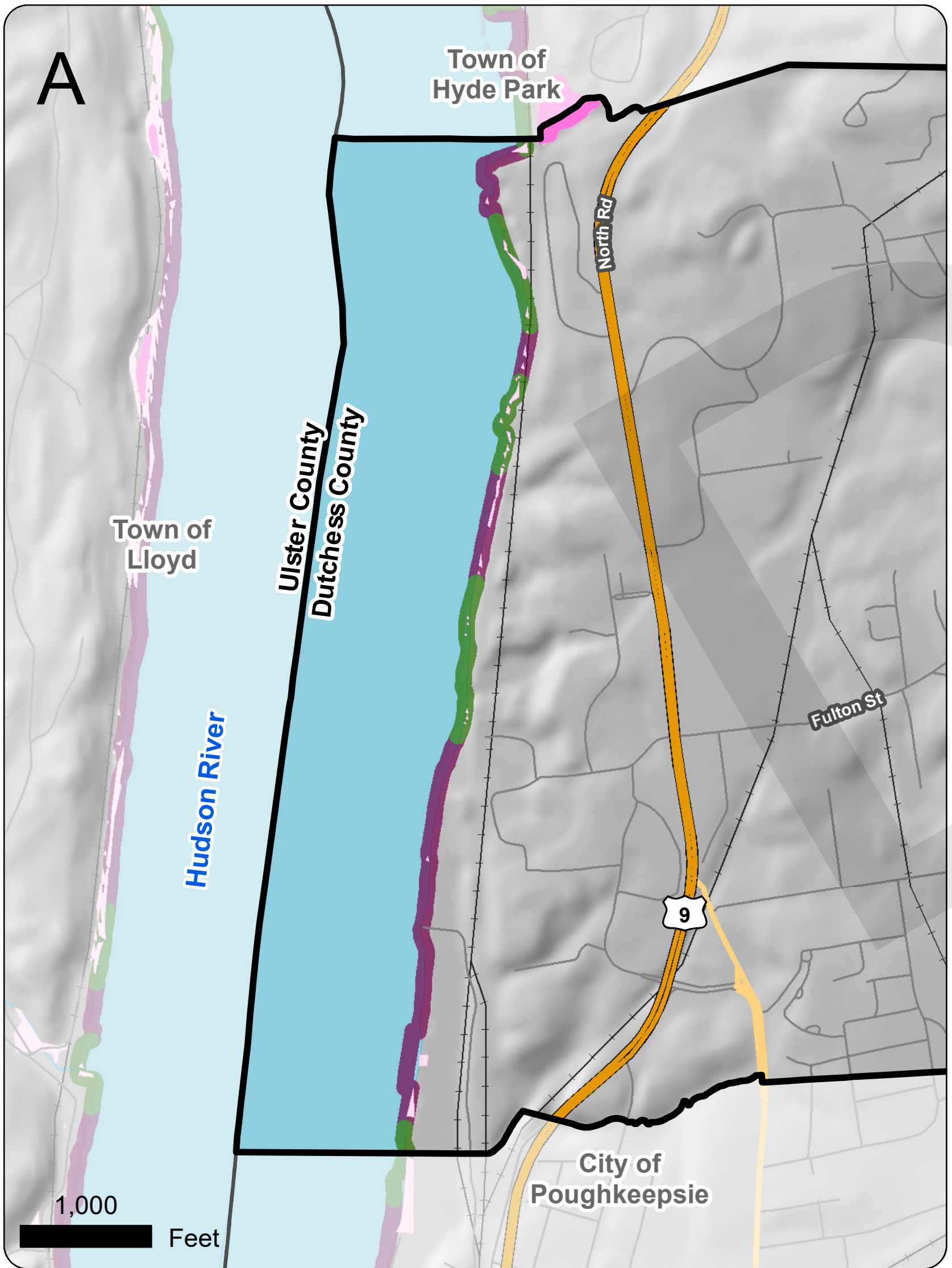
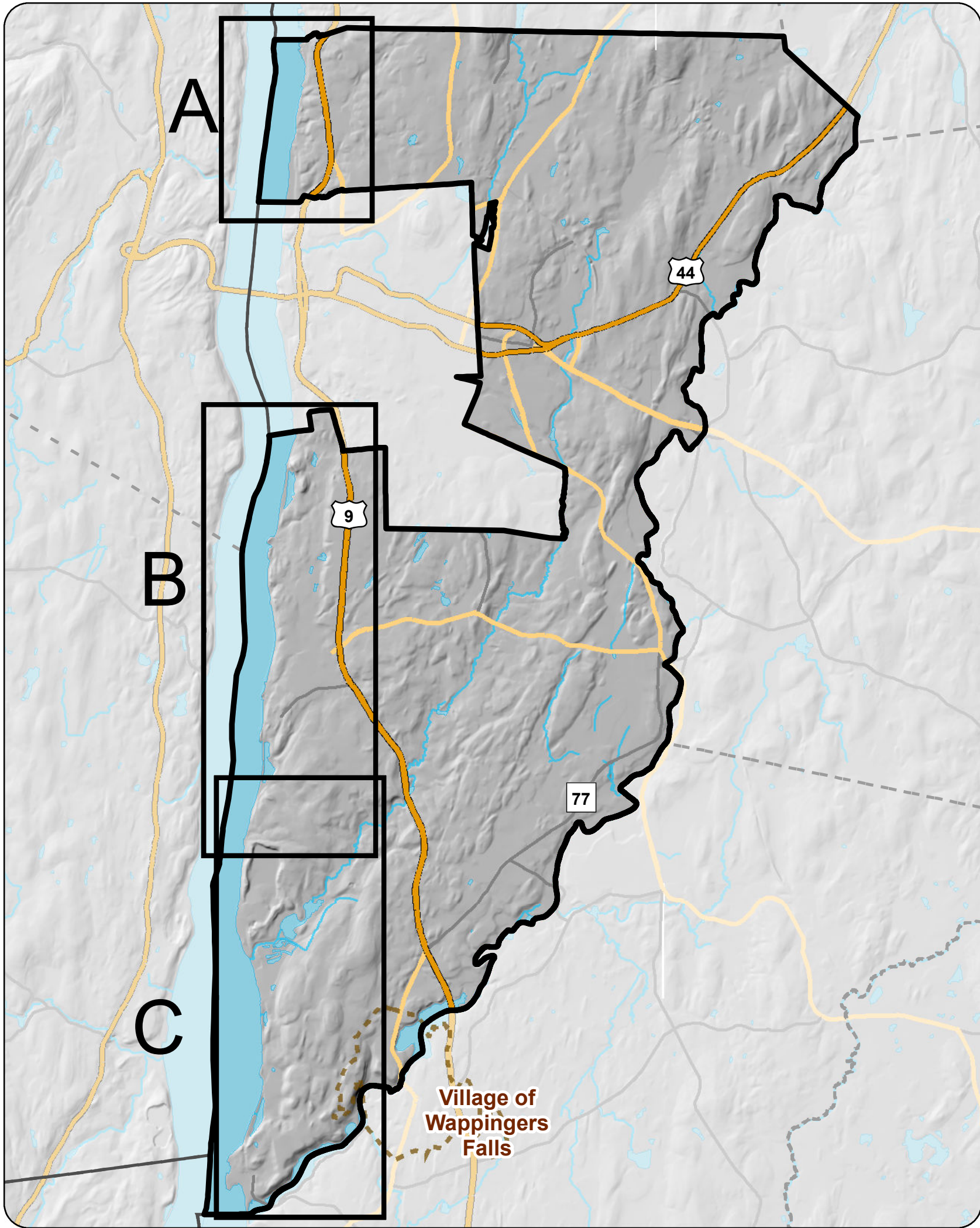
Sources:
Esri, NYS ITS, Dutchess County,
Town of Poughkeepsie, NYSDEC

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TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

DRAFT 10. Hudson River Shoreline

March 2021

LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- Local Roads
- Open Water
- River/Stream
- Tidal Wetlands
- Tidal Wetland Pathways

Hudson River Shoreline Type

- Hard Engineered
- Soft Engineered*
- Natural Shoreline

*None present in study area

Sources:
Esri, NYS ITS, Dutchess County,
Town of Poughkeepsie, NYSDEC,
Hudson River Estuary Program,
Scenic Hudson.

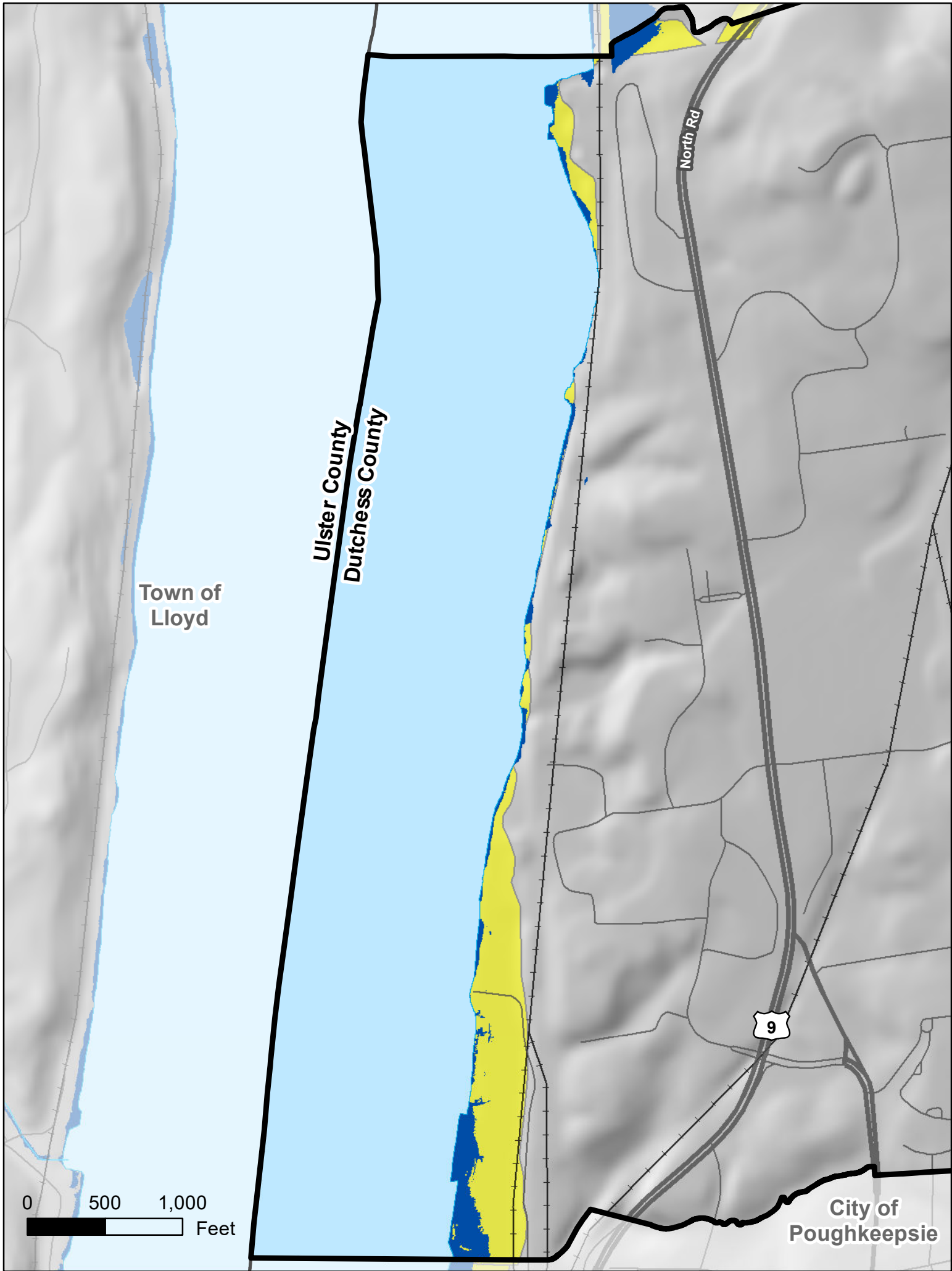
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Consulting Engineering & Land Surveying, P.C.

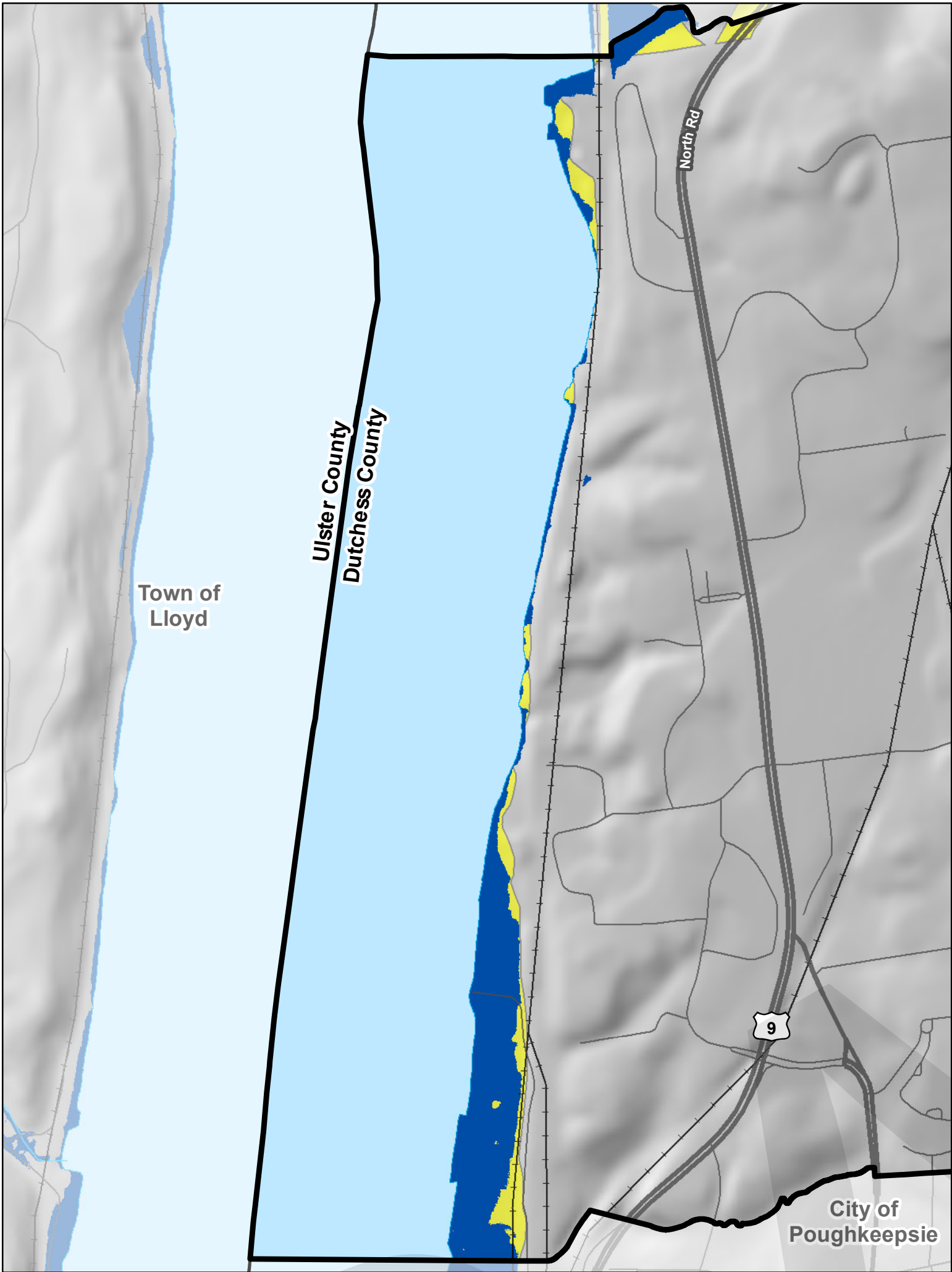


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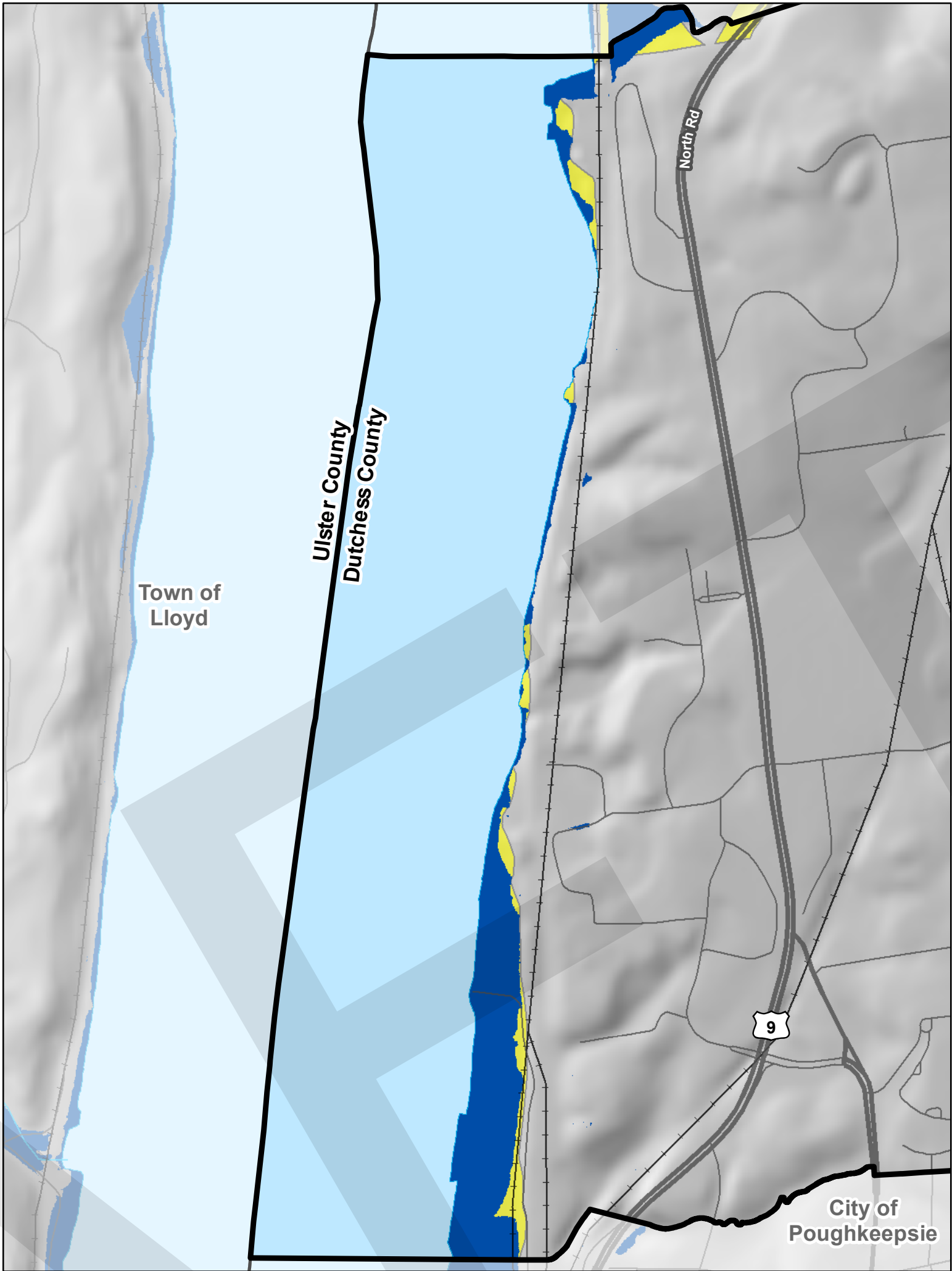
Detail Area 1



Hudson River Flood Decision- 30" Inundation
(compare to the High scenario for 2050s)

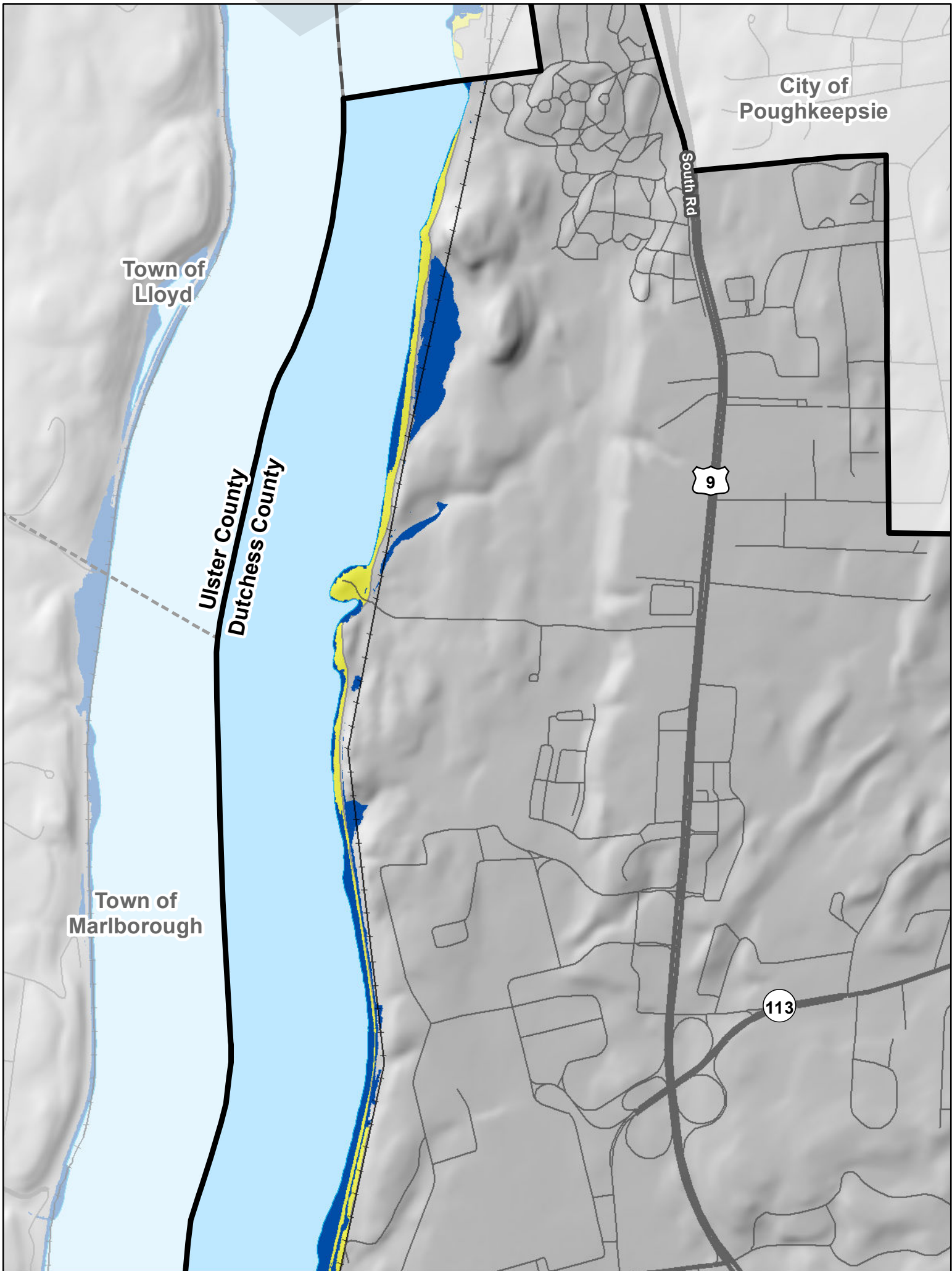
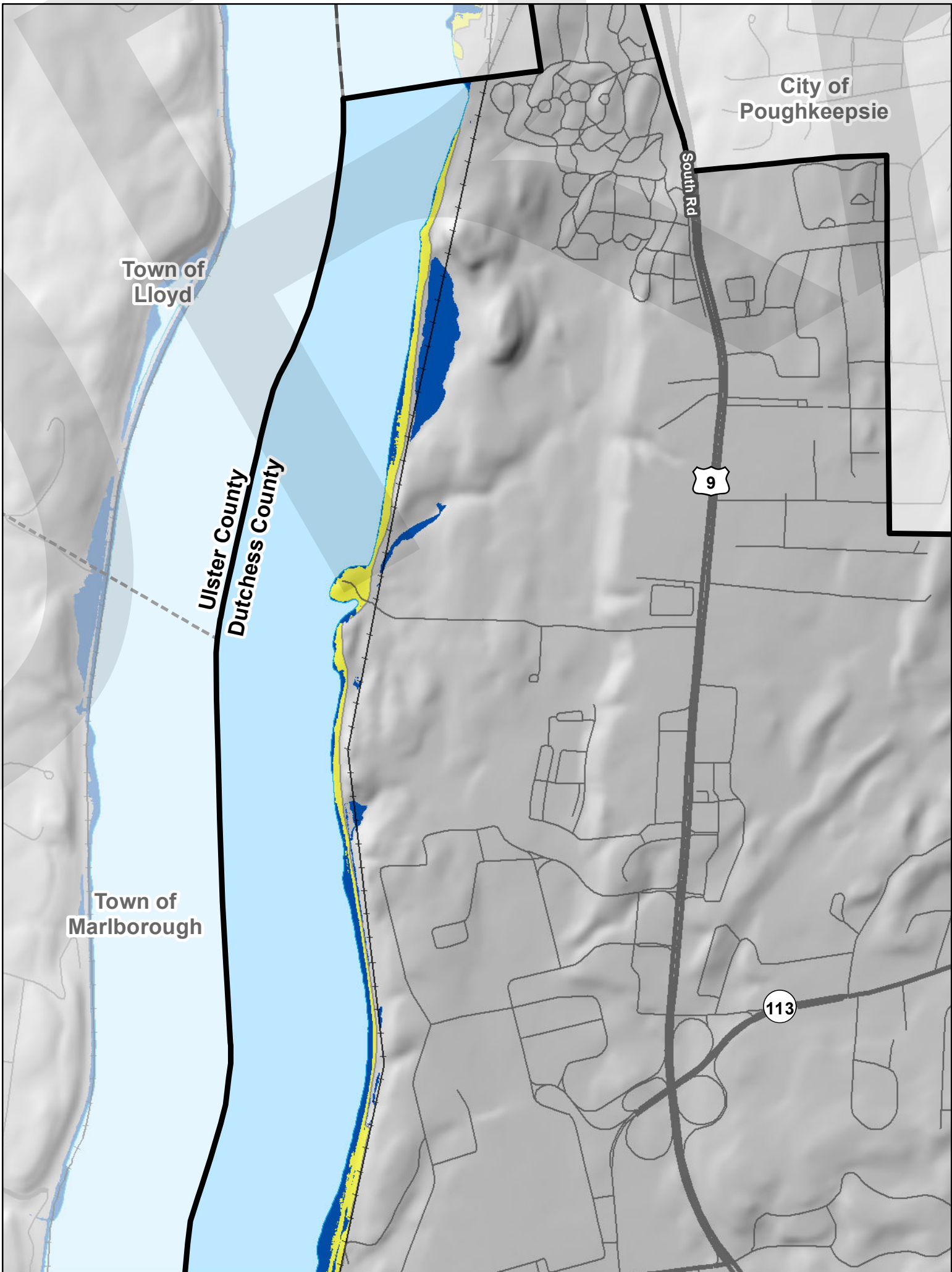
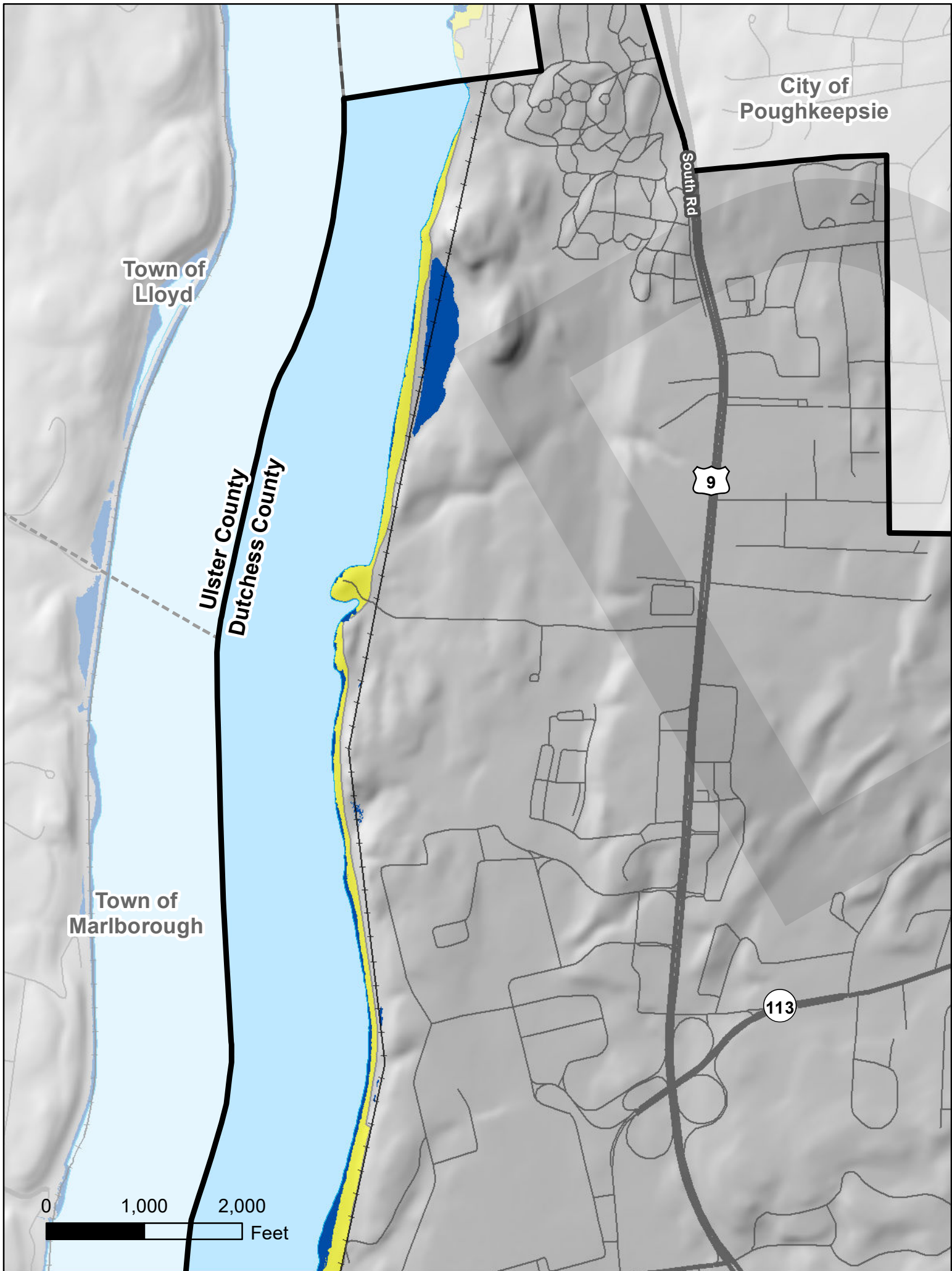


Hudson River Flood Decision- 60" Inundation
(compare to the High scenario for 2080s)



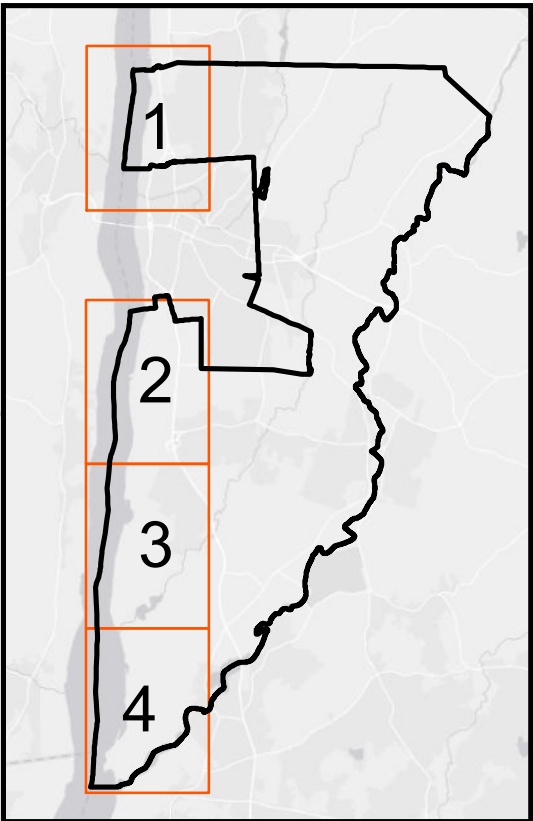
Hudson River Flood Decision- 72" Inundation
(compare to the High scenario for 2100)

Detail Area 2



**TOWN OF
POUGHKEEPSIE**
Natural Resource Inventory
& Open Space Plan
DRAFT
**18A. Sea Level Rise and
Climate Resilience**
March 2021

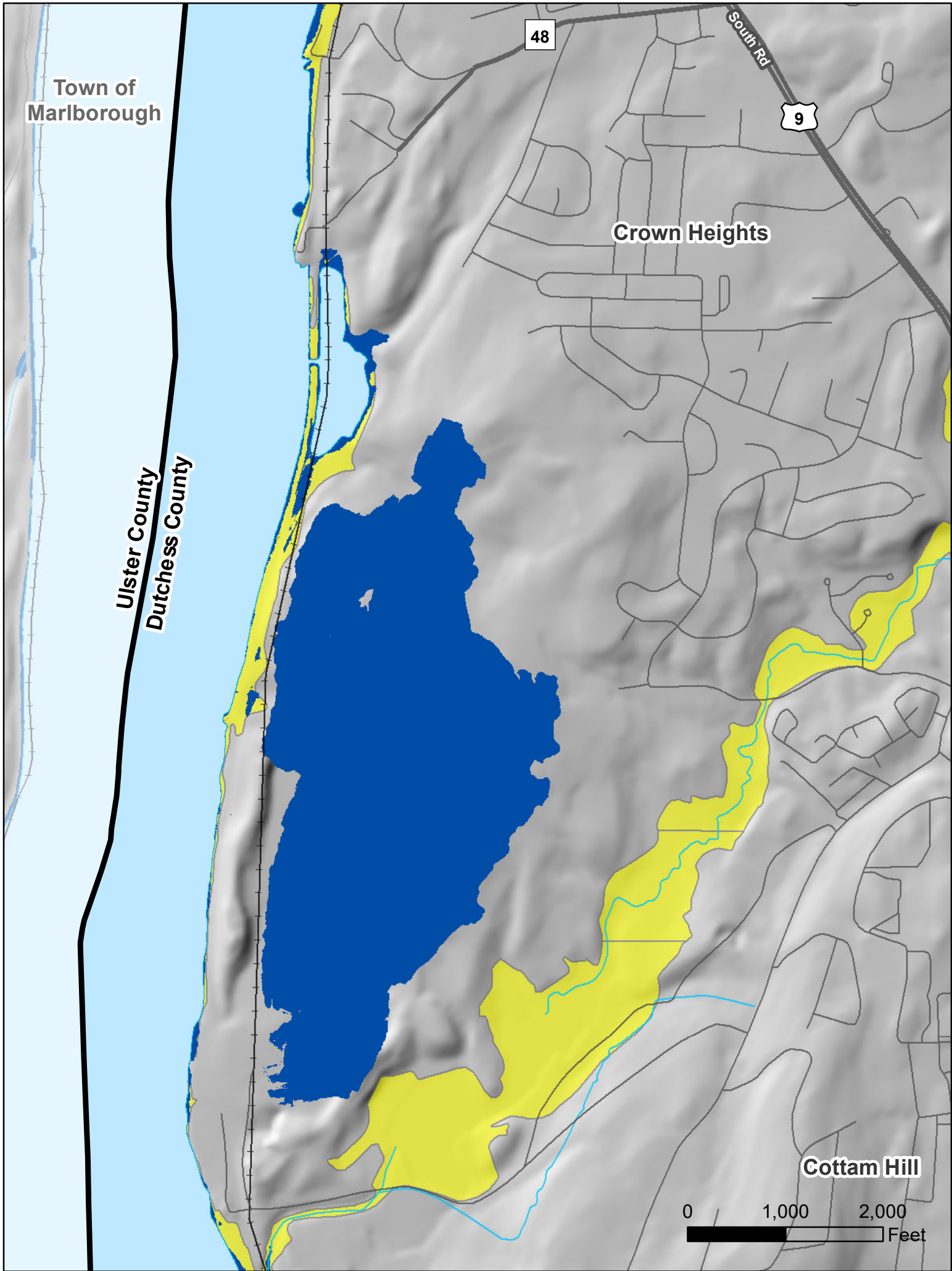
- LEGEND**
- Town of Poughkeepsie
 - County Boundary
 - City/Town Boundary
 - Village Boundary
 - Railroad
 - Local Roads
 - Major Roads
 - River/Stream
 - Current Mean High Water
 - 100Year Floodplain
 - Sea Level Inundation



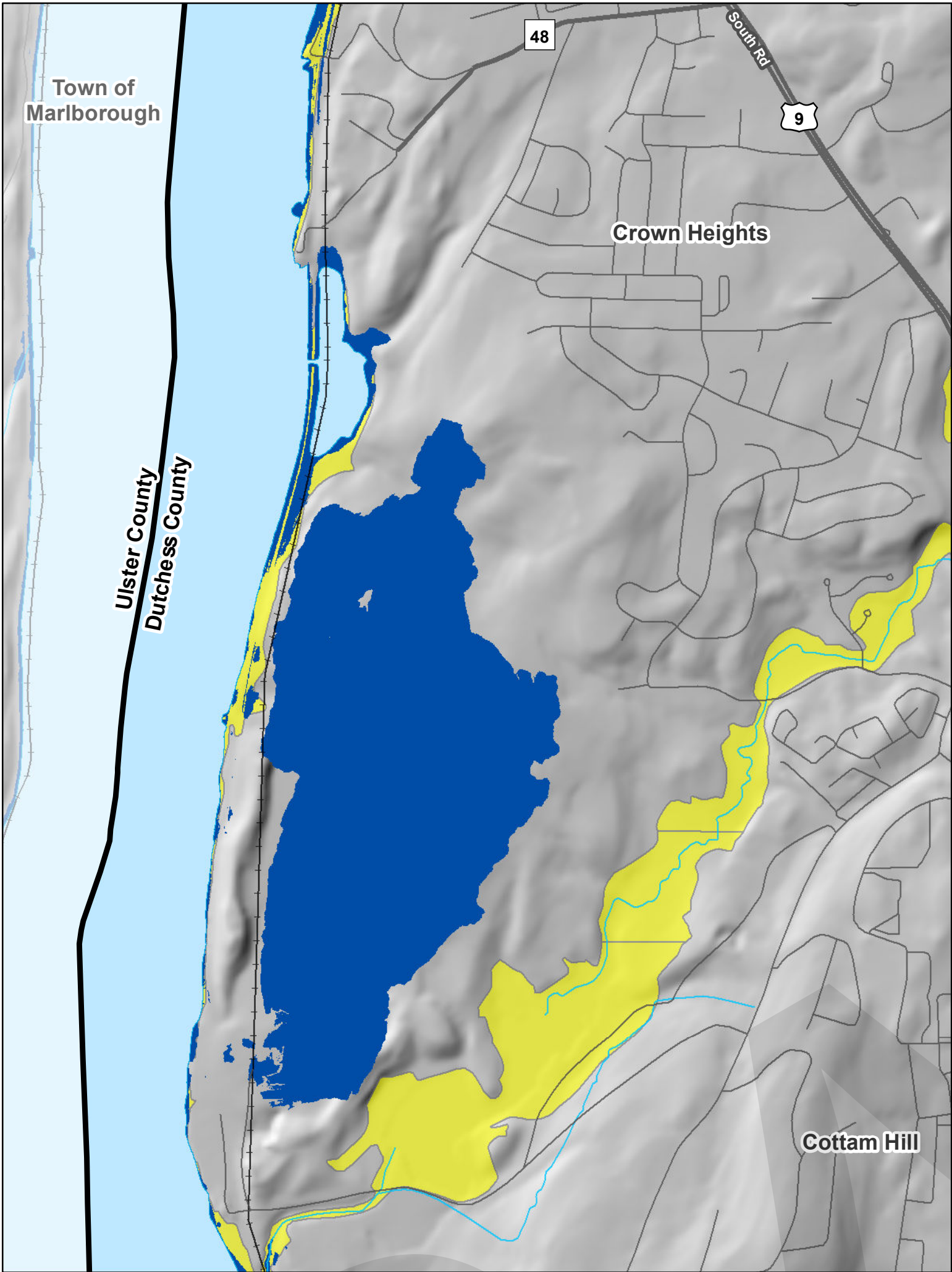
NYSDEC Adopted Sea-Level Rise projections for the Lower- Hudson region, 6NYCRR Part 490

Time Interval	Low Projection	Low-Medium Projection	Medium Projection	High-Medium Projection	High Projection
2020s	2 Inches	4 inches	6 inches	8 inches	10 inches
2050s	8 inches	11 inches	16 inches	21 inches	30 inches
2080s	13 inches	18 inches	29 inches	39 inches	58 inches
2100	15 inches	22 inches	36 inches	50 inches	75 inches

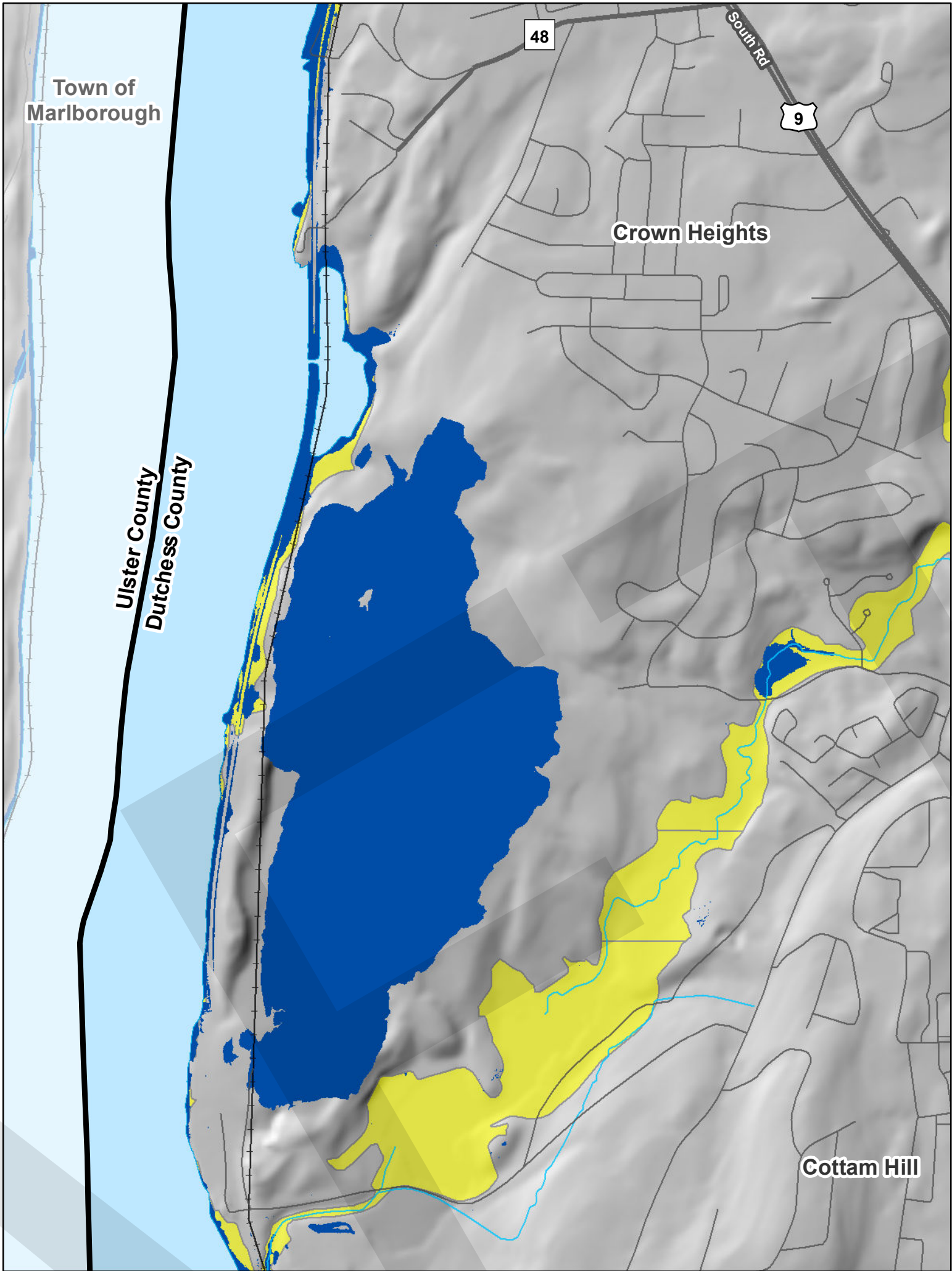
Detail Area 3



Hudson River Flood Decision- 30" Inundation
(compare to the High scenario for 2050s)

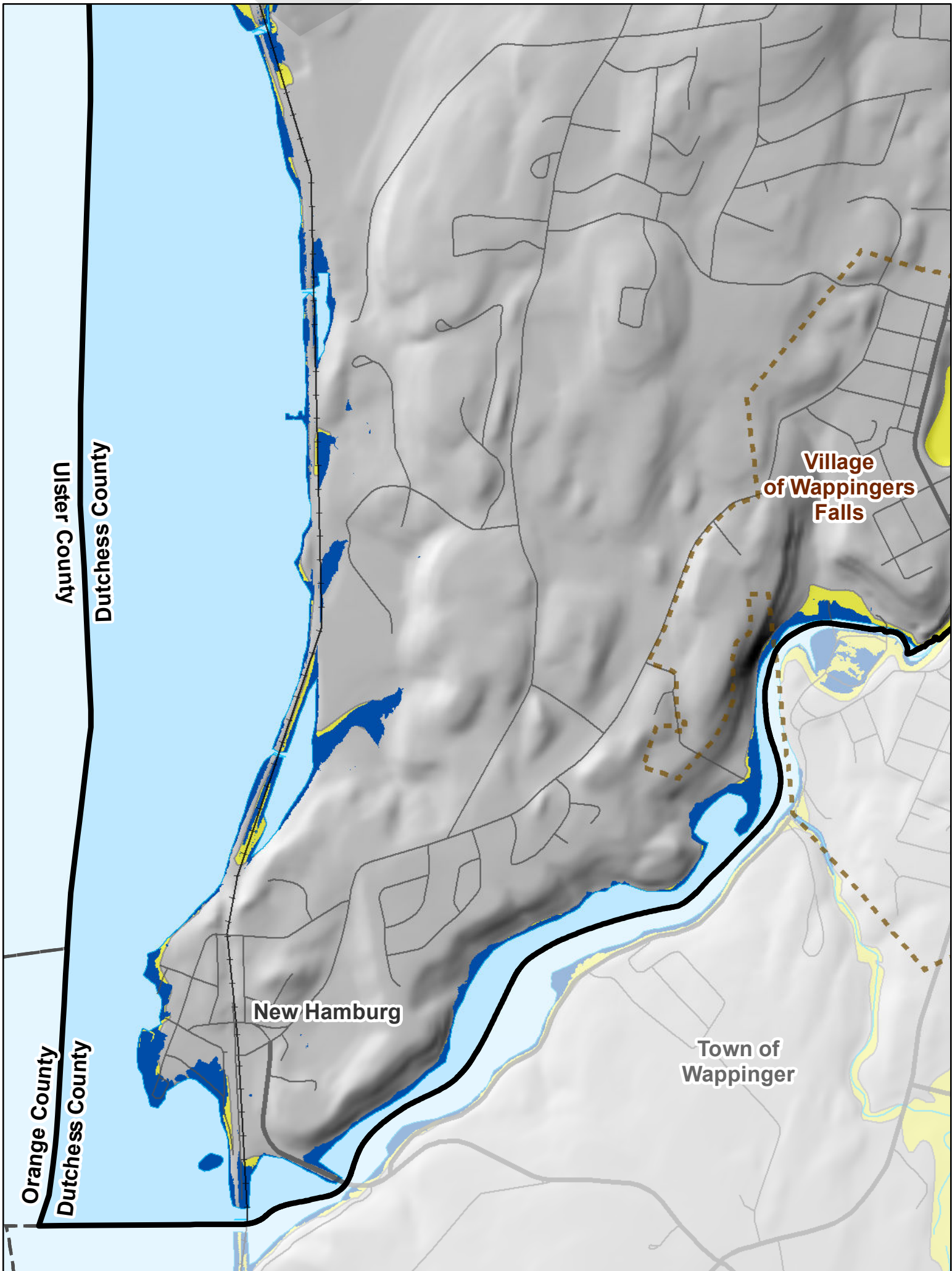
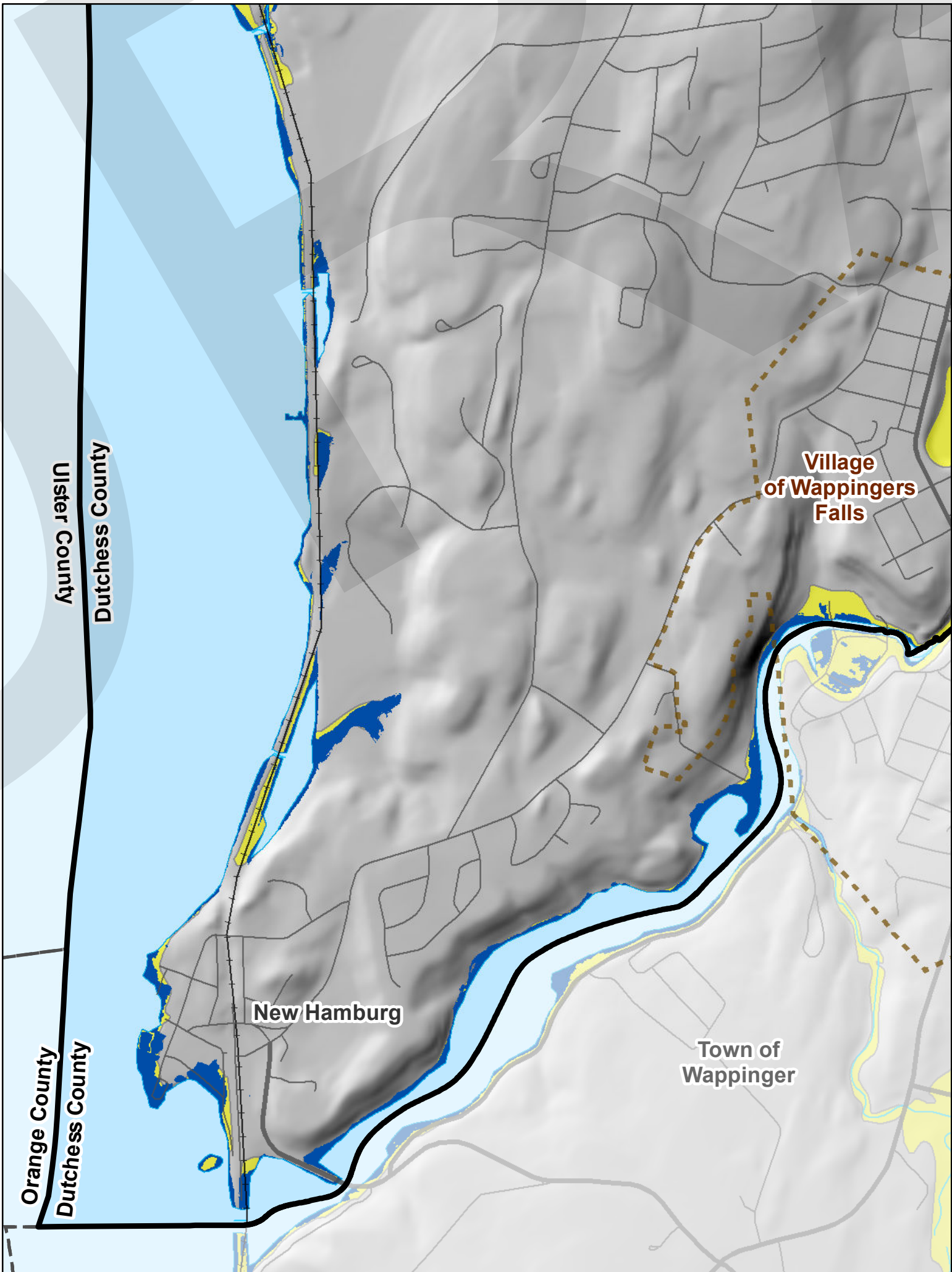
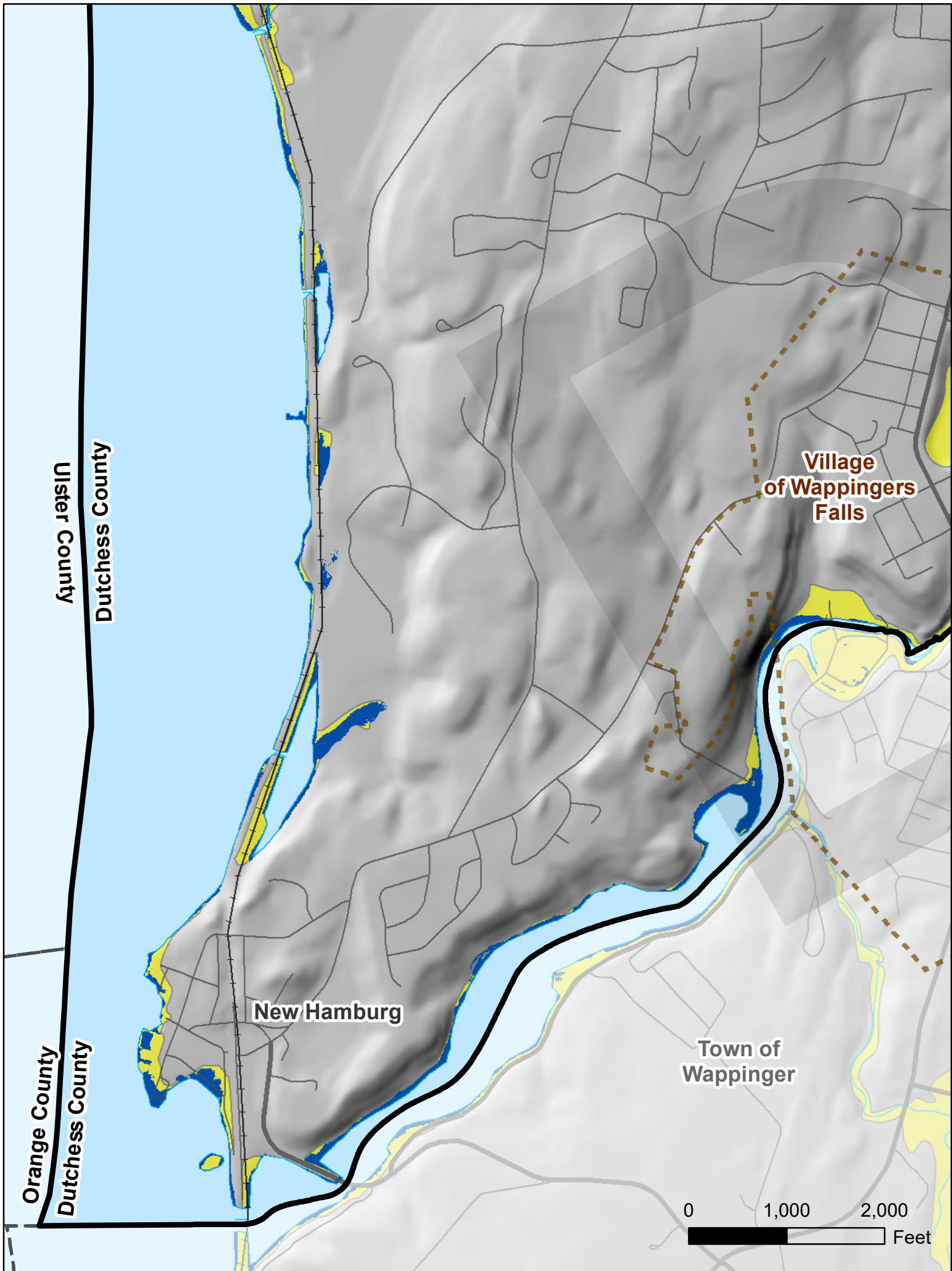


Hudson River Flood Decision- 60" Inundation
(compare to the High scenario for 2080s)



Hudson River Flood Decision- 72" Inundation
(compare to the High scenario for 2100)

Detail Area 4



TOWN OF POUGHKEEPSIE

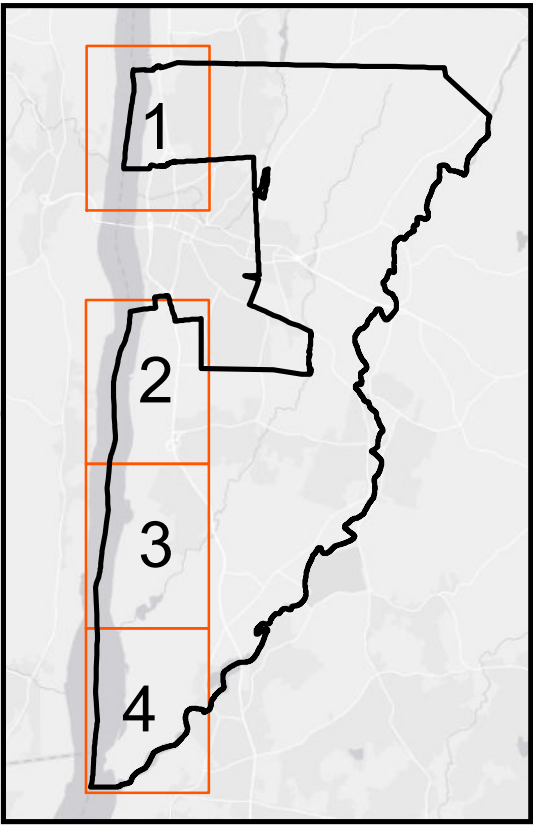
Natural Resource Inventory & Open Space Plan

DRAFT 1.B. Sea Level Rise and Climate Resilience

March 2021

LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Local Roads
- Major Roads
- Railroad
- River/Stream
- Current Mean High Water
- 100 Year Floodplain
- Sea Level Inundation



NYSDEC Adopted Sea-Level Rise projections for the Mid- Hudson region, 6NYCRR Part 490

Time Interval	Low Projection	Low-Medium Projection	Medium Projection	High-Medium Projection	High Projection
2020s	2 inches	4 inches	6 inches	8 inches	10 inches
2050s	8 inches	11 inches	16 inches	21 inches	30 inches
2080s	13 inches	18 inches	29 inches	39 inches	58 inches
2100	15 inches	22 inches	36 inches	50 inches	75 inches

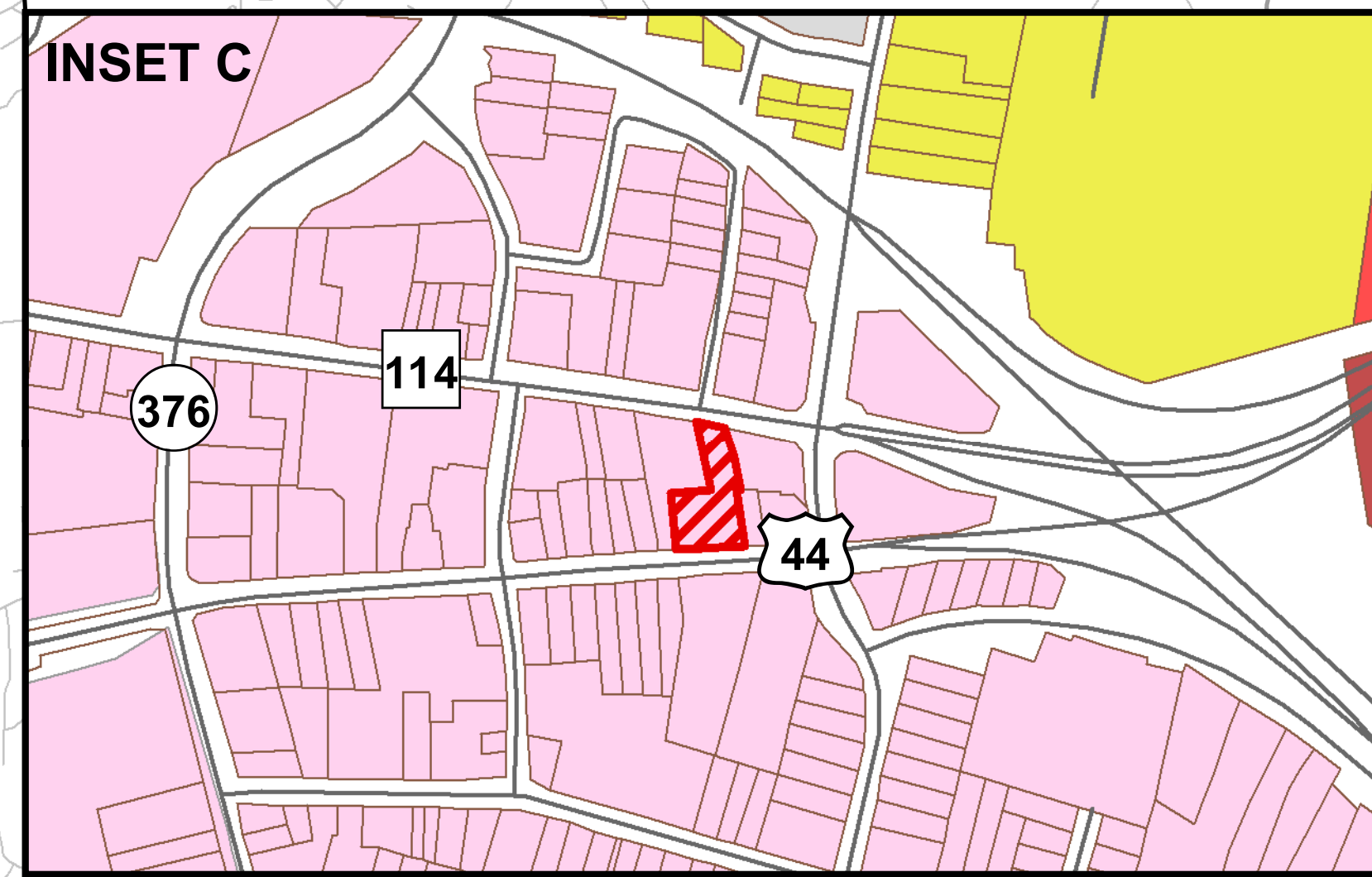
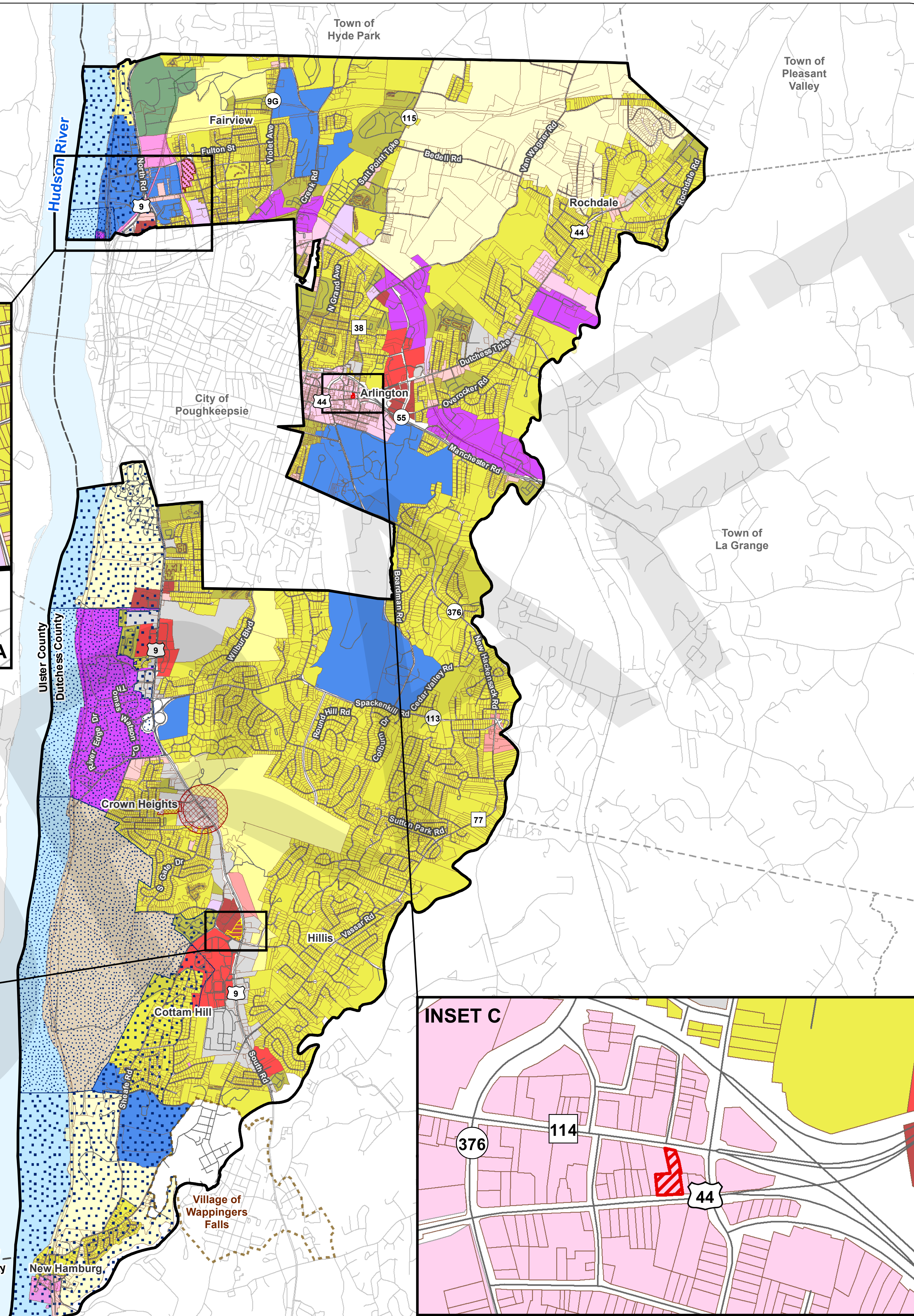
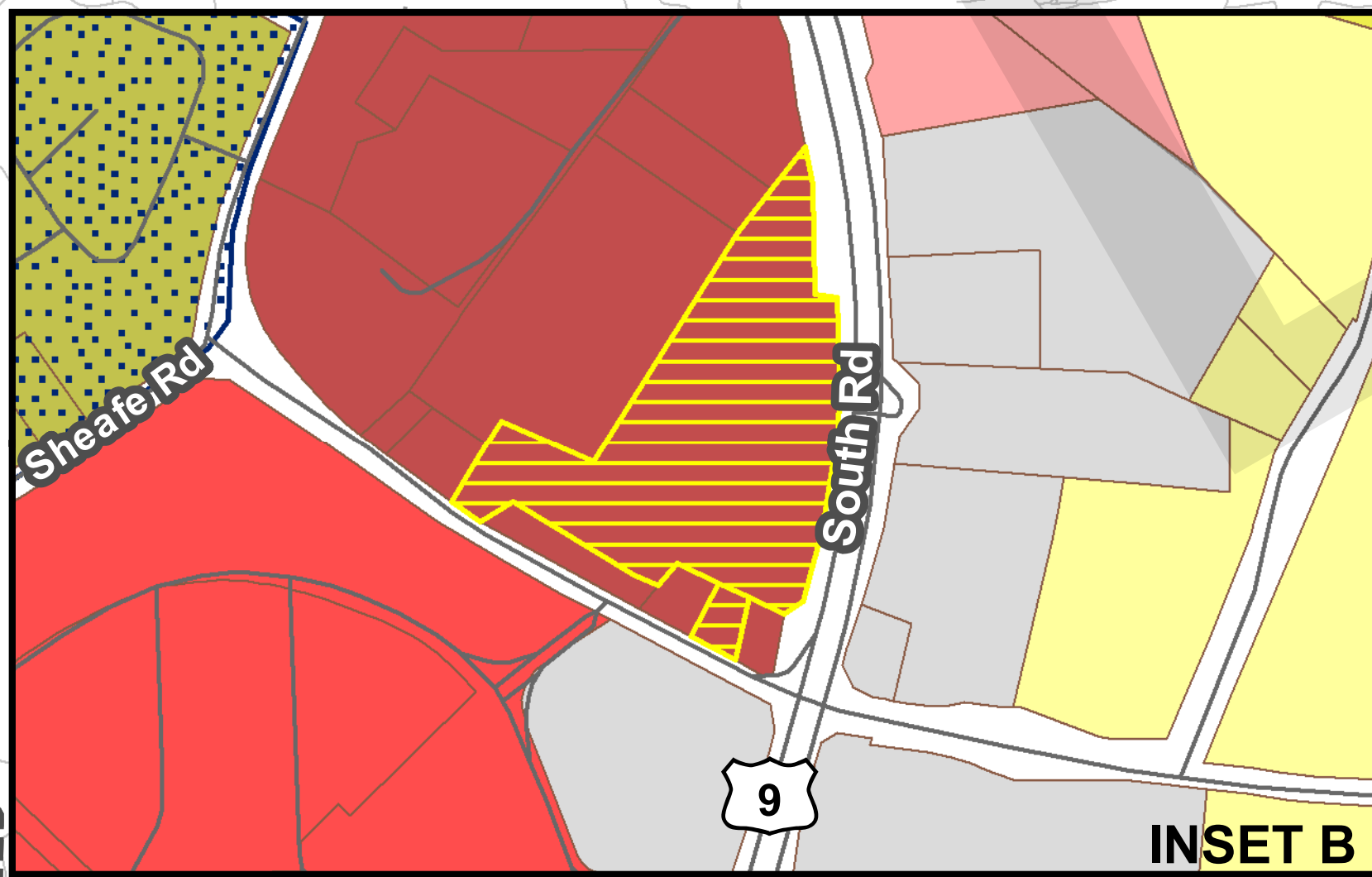
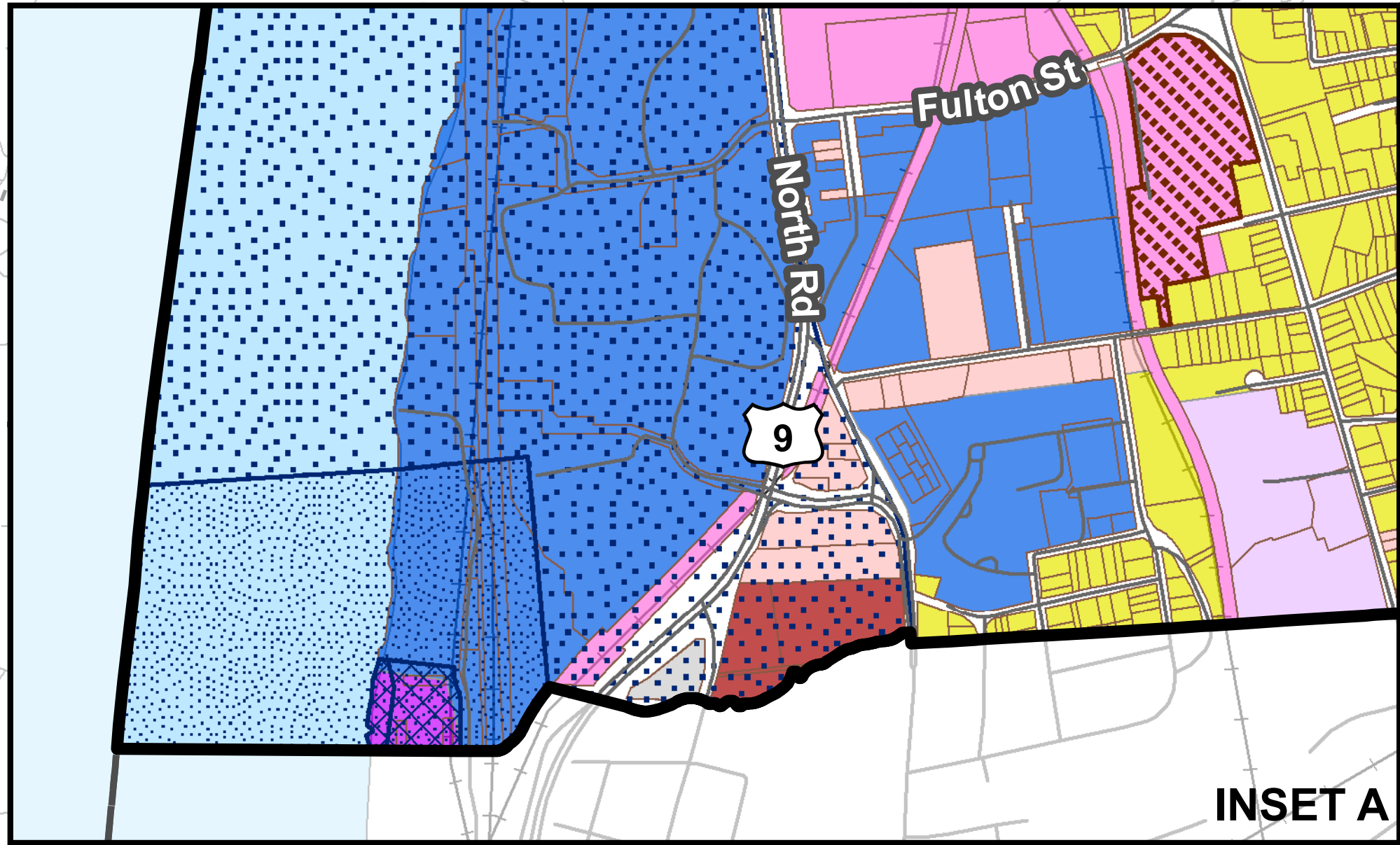
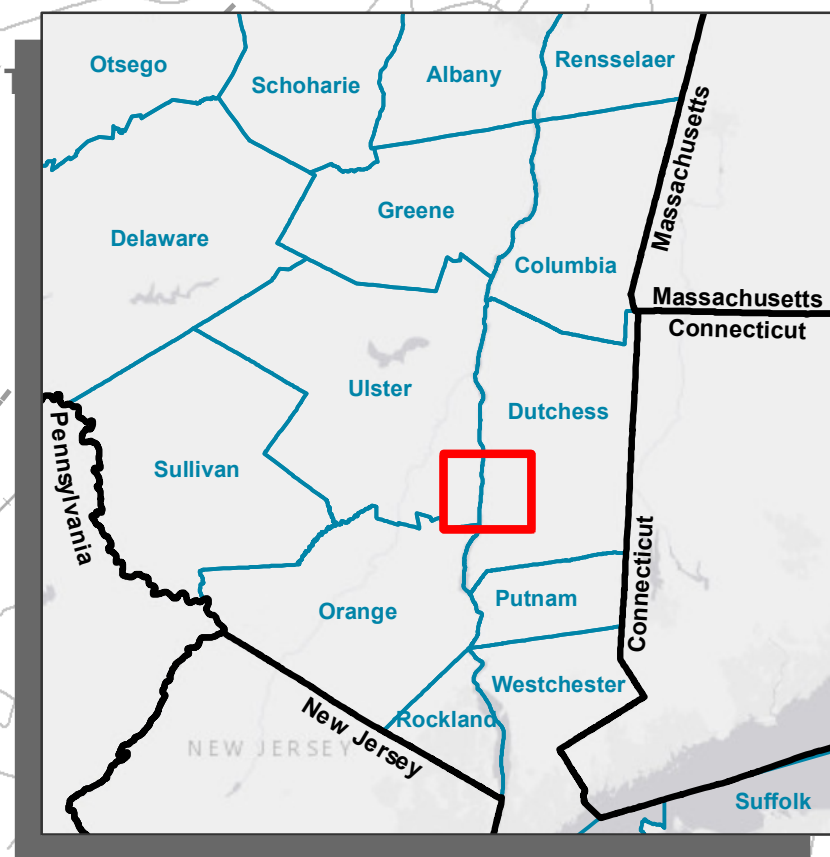


Sources:
Esri, NYS ITS, Columbia
University Hudson River
Flood Decision, Dutchess
County, NYSDEC, Town of
Poughkeepsie

**Engineering and
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TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

DRAFT 19. Zoning and Tax Parcels March 2021

LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- Roads
- Hudson River
- Tax Parcel Boundaries

Overlay District

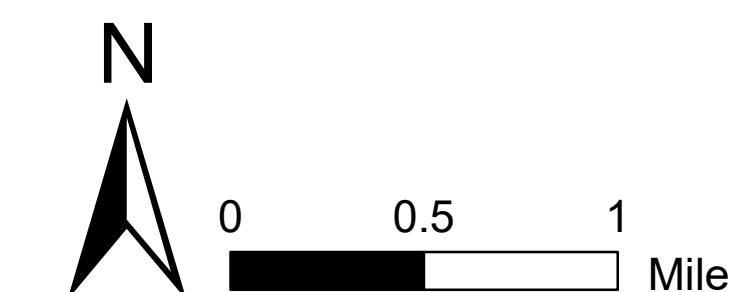
- Coastal Zone 1
- Coastal Zone 2
- Crown Heights Center Overlay
- CHCO Extended Overlay District
- Planned Residential Overlay District
- Main Street Drive-thru Overlay District
- Senior Housing Overlay District
- Waterfront Housing Overlay District

Zoning District

- Commercial - Neighborhood
- Commercial - General Business
- Commercial - Shopping Center
- Commercial - Highway Business
- Hamlet Core / Mixed Use
- Hamlet Residential
- Historic Preservation
- Industrial - Extractive
- Industrial - Light
- Industrial - Heavy
- Institutional / Medical
- Office / Research Planned Development
- Residential Multi-Family
- Residential Under 1
- Residential 1-3
- Residential 4-5

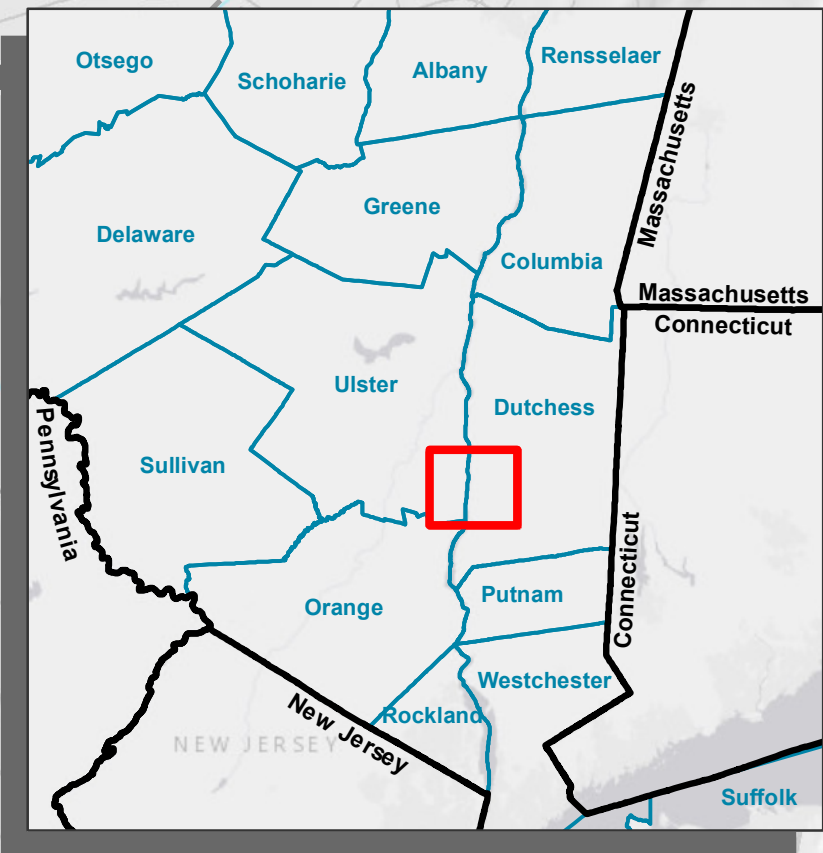
Sources:
Esri, NYS ITS, Dutchess County,
Town of Poughkeepsie

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TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

20. **DRAFT** Brownfields, Waste Sites & Regulated Facilities

March 2021

LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- County Routes
- Local Roads
- Open Water
- River/Stream
- SPDES Permit Sites
- Chemical Bulk Storage Facility
- Major Oil Storage Facility
- Petroleum Bulk Storage Facility
- Industrial Sites
- Waste Sites
- Remediation Sites**
 - Brownfield Cleanup Program
 - Environmental Restoration Program*
 - Resource Conservation and Recovery
 - State Superfund Program
 - Voluntary Cleanup Program

*None present in study area

Sources:
Esri, NYS ITS, Dutchess County,
Town of Poughkeepsie, NYSDEC

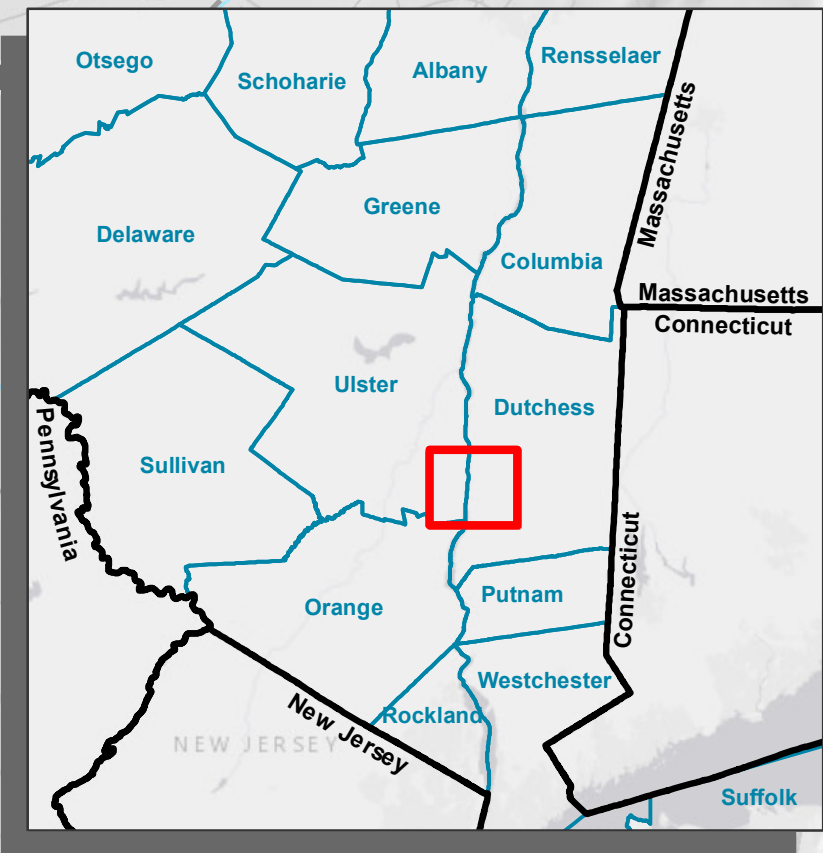
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TOWN OF POUGHKEEPSIE

Natural Resource Inventory & Open Space Plan

DRAFT 22 Cultural & Historic Sites

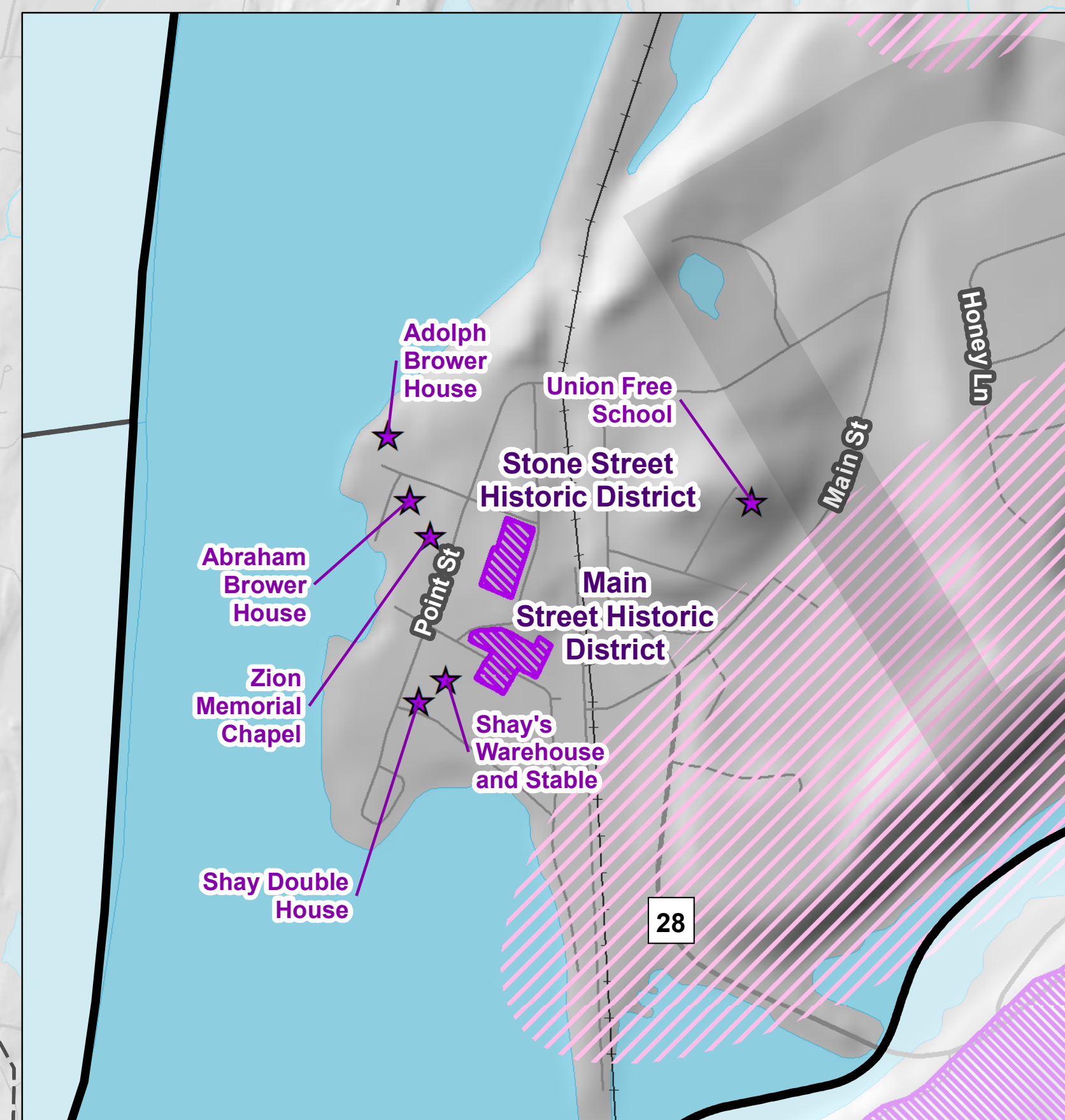
March 2021

LEGEND

- Town of Poughkeepsie
- County Boundary
- City/Town Boundary
- Village Boundary
- Railroad
- US Routes
- State Routes
- County Routes
- Local Roads
- Open Water
- River/Stream
- Town Hall
- Colleges
- Schools
- Local Historic Site
- National Register Site
- National Register Historic District
- Cemeteries
- Native American Sites*

*Generalized site locations (not exact)

INSET A



Sources:
Esri, NYS ITS, Dutchess County,
Town of Poughkeepsie,
NYSOPRHP

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