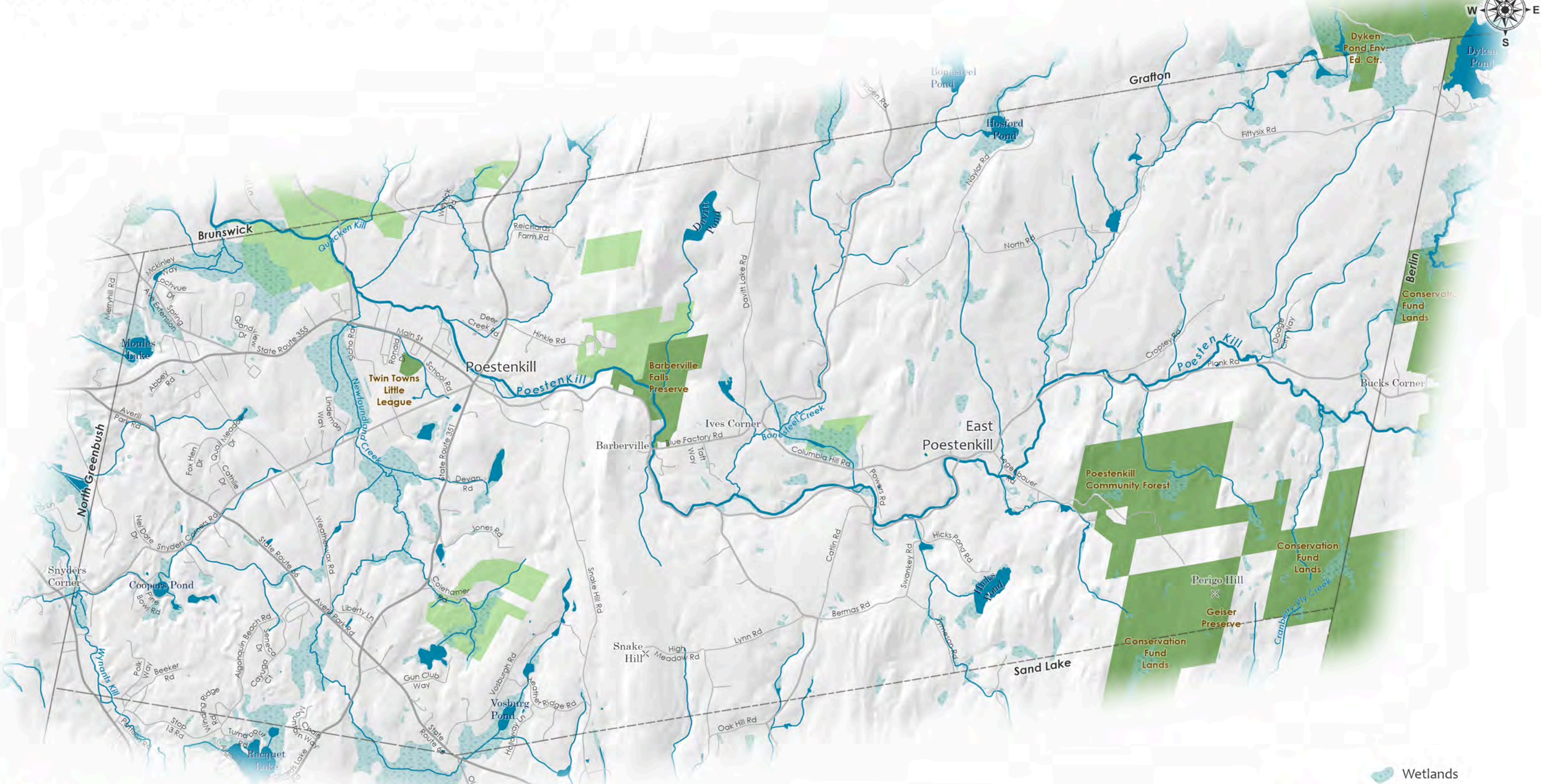


# Town of Poestenkill Natural Resource Inventory



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0 0.25 0.5 1 Miles  
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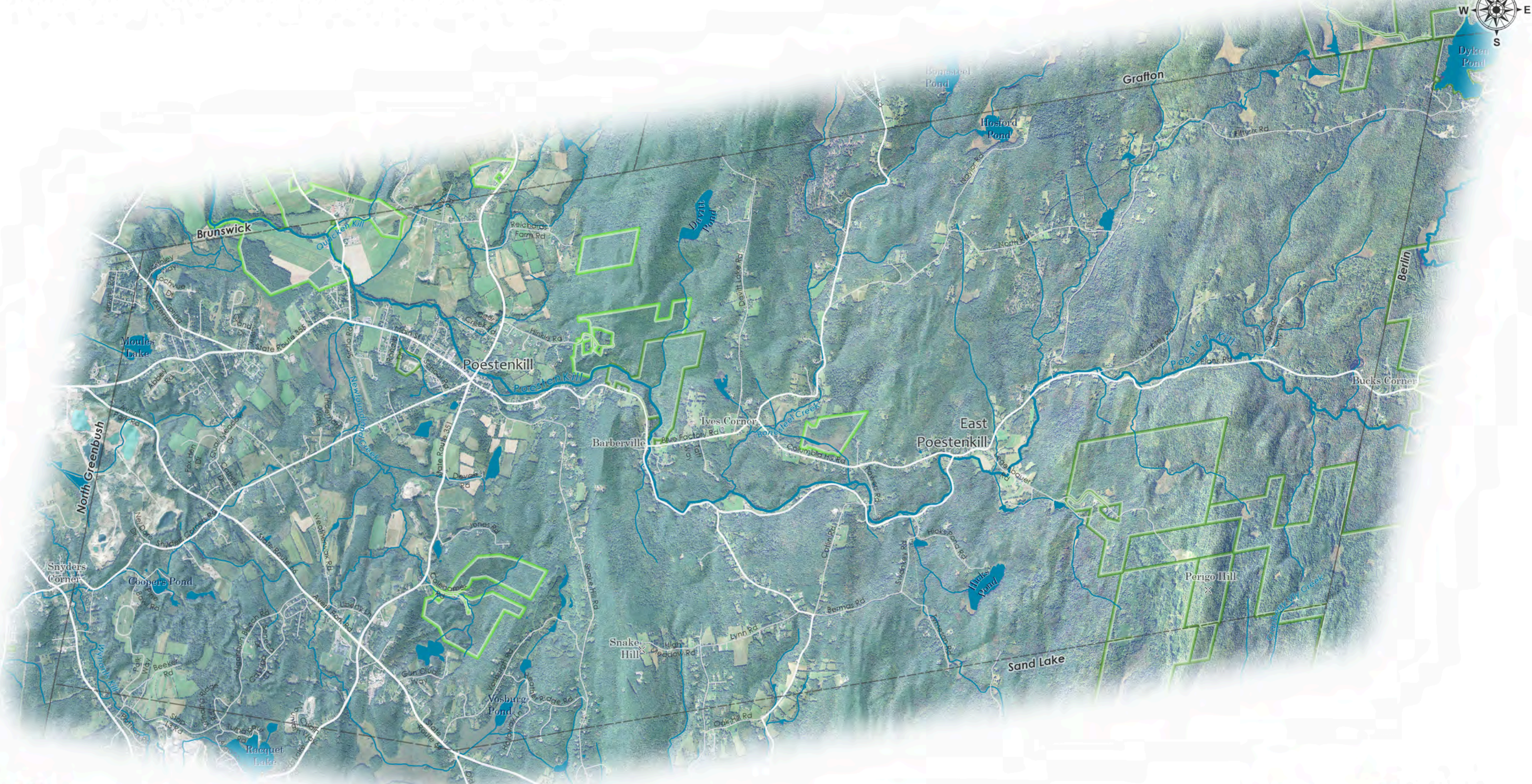

Data Sources - Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.

- Wetlands
- Surface Water
- Rivers & Streams
- Parks and Preserves
- Other Protected Lands




**Map 1: Base Map**


# Town of Poestenkill Natural Resource Inventory

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Data Sources - Orthophotography: USDA NAIP 2017; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.



-  Surface Water
-  Rivers & Streams
-  Parks and Preserves
-  Other Protected Lands

## Map 2: Aerial View

# Town of Poestenkill Natural Resource Inventory



- Wetlands
- Surface Water
- Rivers & Streams
- Parks and Preserves
- Other Protected Lands
- 100ft Contours
- 20ft Contours



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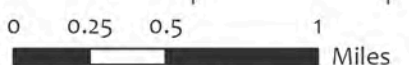
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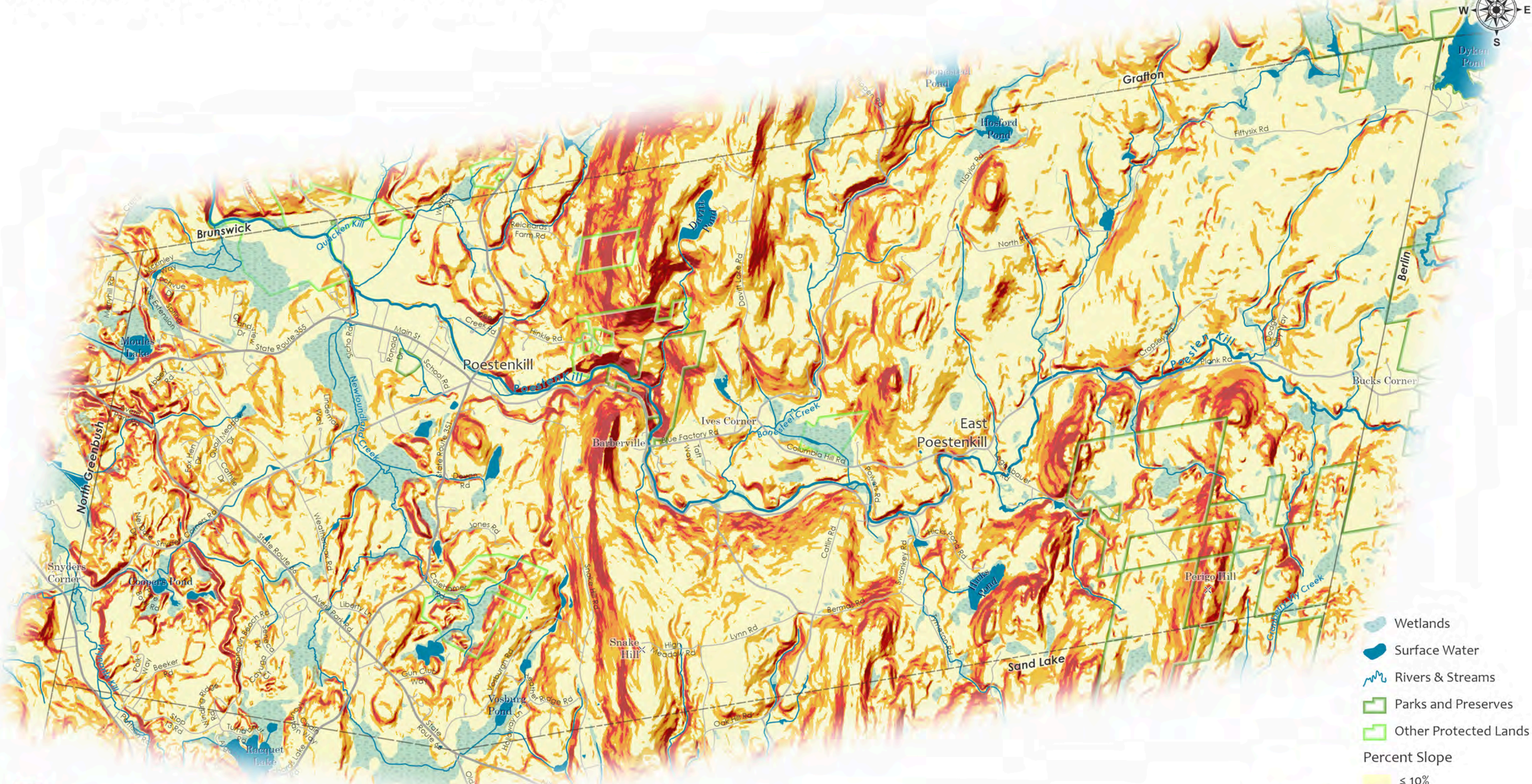
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Data Sources - Contours: NYS GIS Program Office 2015; Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.




## Map 3: Topography


# Town of Poestenkill Natural Resource Inventory




-  Wetlands
  -  Surface Water
  -  Rivers & Streams
  -  Parks and Preserves
  -  Other Protected Lands
- Percent Slope
-  ≤ 10%
  -  10 to 15%
  -  15 to 20%
  -  20 to 25%
  -  > 25%




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Data Sources - Slopes: derived from USGS 10m DEM 2009; Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.



## Map 4: Steep Slopes

# Town of Poestenkill Natural Resource Inventory



- Wetlands
  - Surface Water
  - Rivers & Streams
  - Parks and Preserves
  - Other Protected Lands
- Bedrock Types**
- Cr: Rensselaer Graywacke - minor shale
  - Cn: Germantown Formation - shale, conglomerate, limestone
  - Cn: Nassau Formation - slate, shale, quartzites, conglomerate and graywacke

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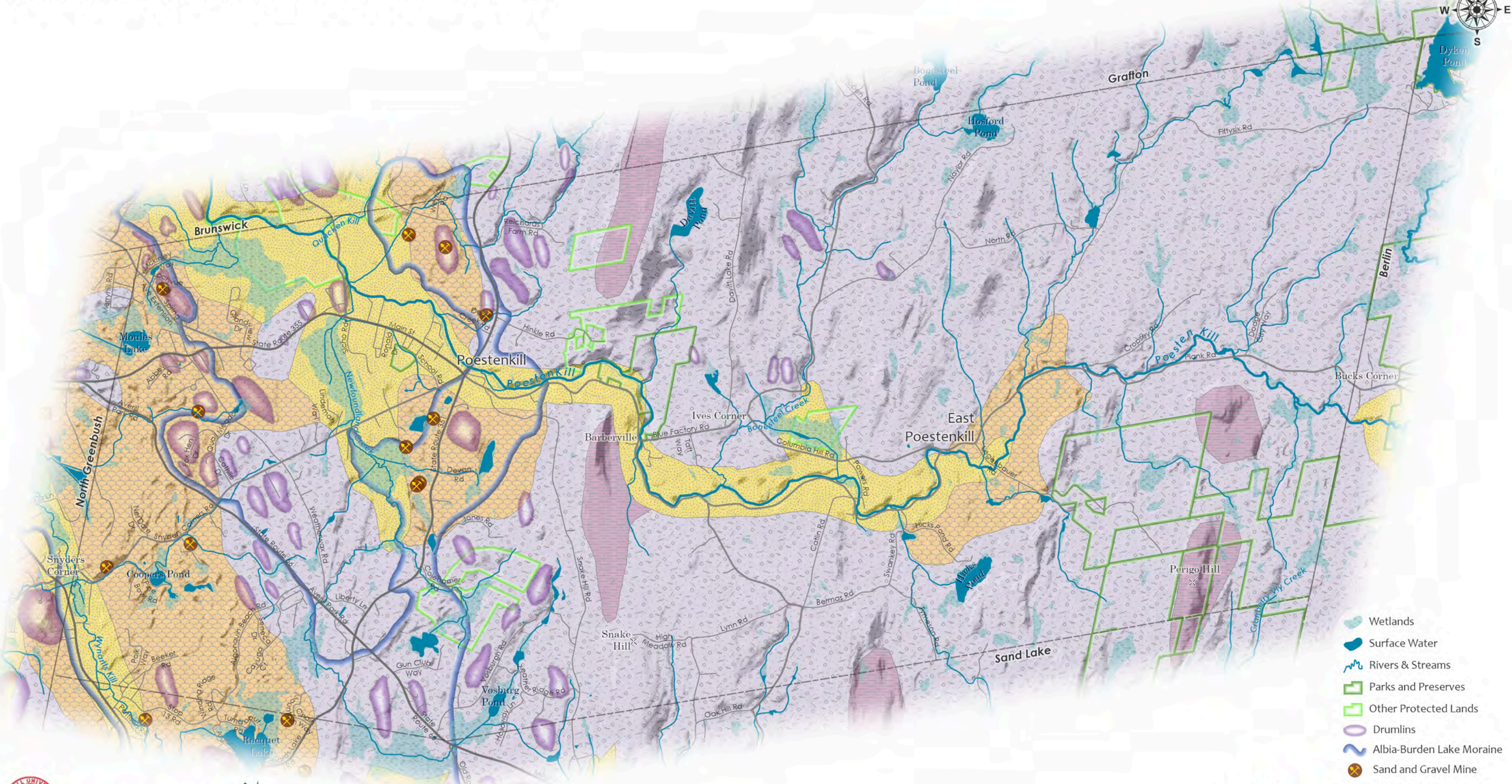
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Data Sources - Bedrock Geology: NYSDEC 1970; Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.



## Map 5: Bedrock Geology

# Town of Poestenkill Natural Resource Inventory



- Wetlands
- Surface Water
- Rivers & Streams
- Parks and Preserves
- Other Protected Lands
- Drumlins
- Albia-Burden Lake Moraine
- Sand and Gravel Mine
- Surficial Geology**
- Till
- Kame deposits
- Outwash sand and gravel
- Bedrock

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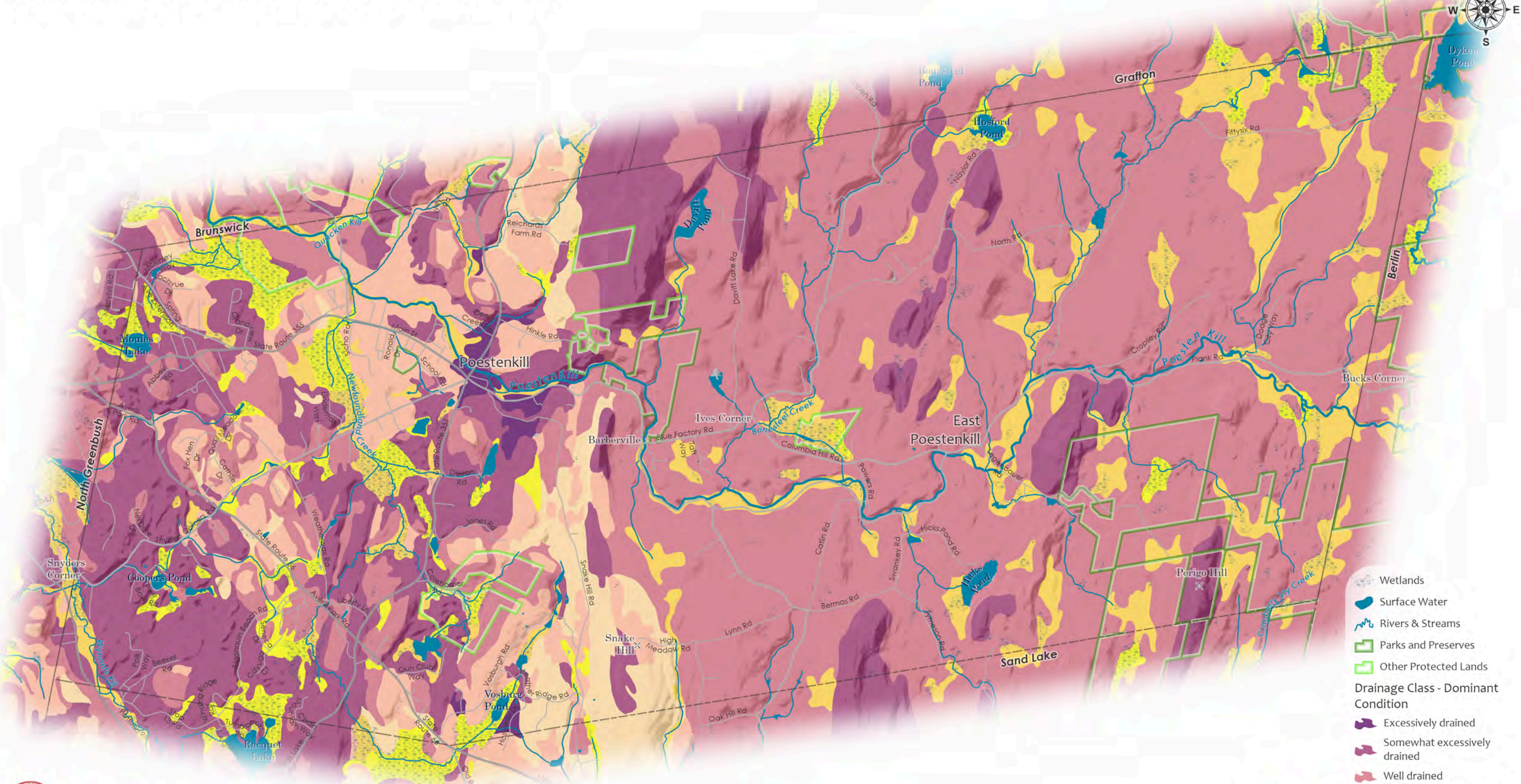
For Conceptual Planning Purposes Only

Data Sources - Surficial Geology: NYSDEC 1987; Mines: NYSDEC 2018; Drumlins and Moraine: Robert LaFleur 1961; Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.



## Map 6: Surficial Geology

# Town of Poestenkill Natural Resource Inventory



- Wetlands
- Surface Water
- Rivers & Streams
- Parks and Preserves
- Other Protected Lands
- Drainage Class - Dominant Condition**
- Excessively drained
- Somewhat excessively drained
- Well drained
- Moderately well drained
- Somewhat poorly drained
- Poorly drained
- Very poorly drained
- No Data

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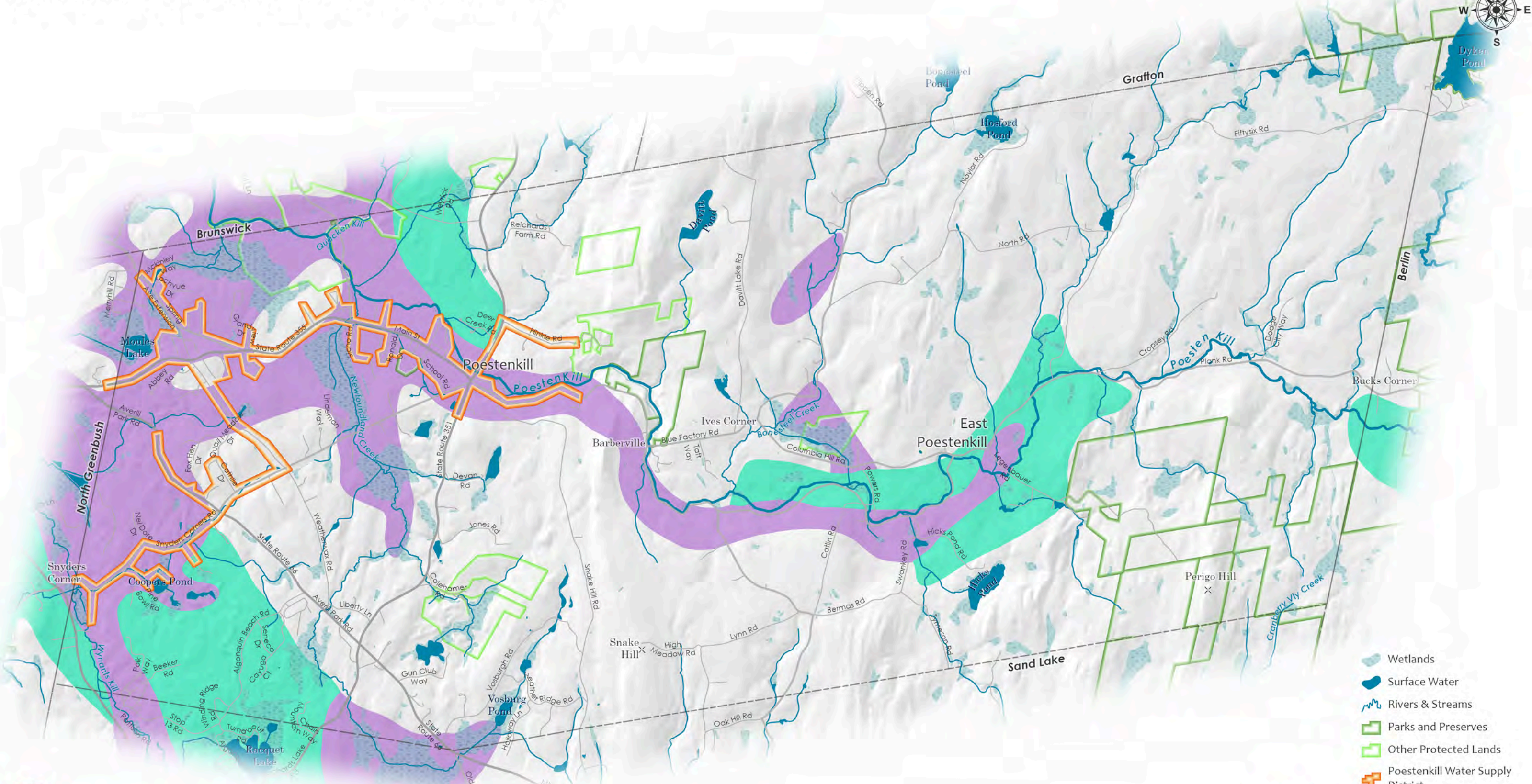
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Data Sources - Soils: USDA NRCS 2017; Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, USGS PAD-US, Rensselaer County Real Property.


## Map 7: Soils




# Town of Poestenkill Natural Resource Inventory




- Wetlands
- Surface Water
- Rivers & Streams
- Parks and Preserves
- Other Protected Lands
- Poestenkill Water Supply District
- Aquifers**
- Unconfined, Mid Yield
- Kame, Kame Terrace, Kame Moraine, Outwash or Alluvium




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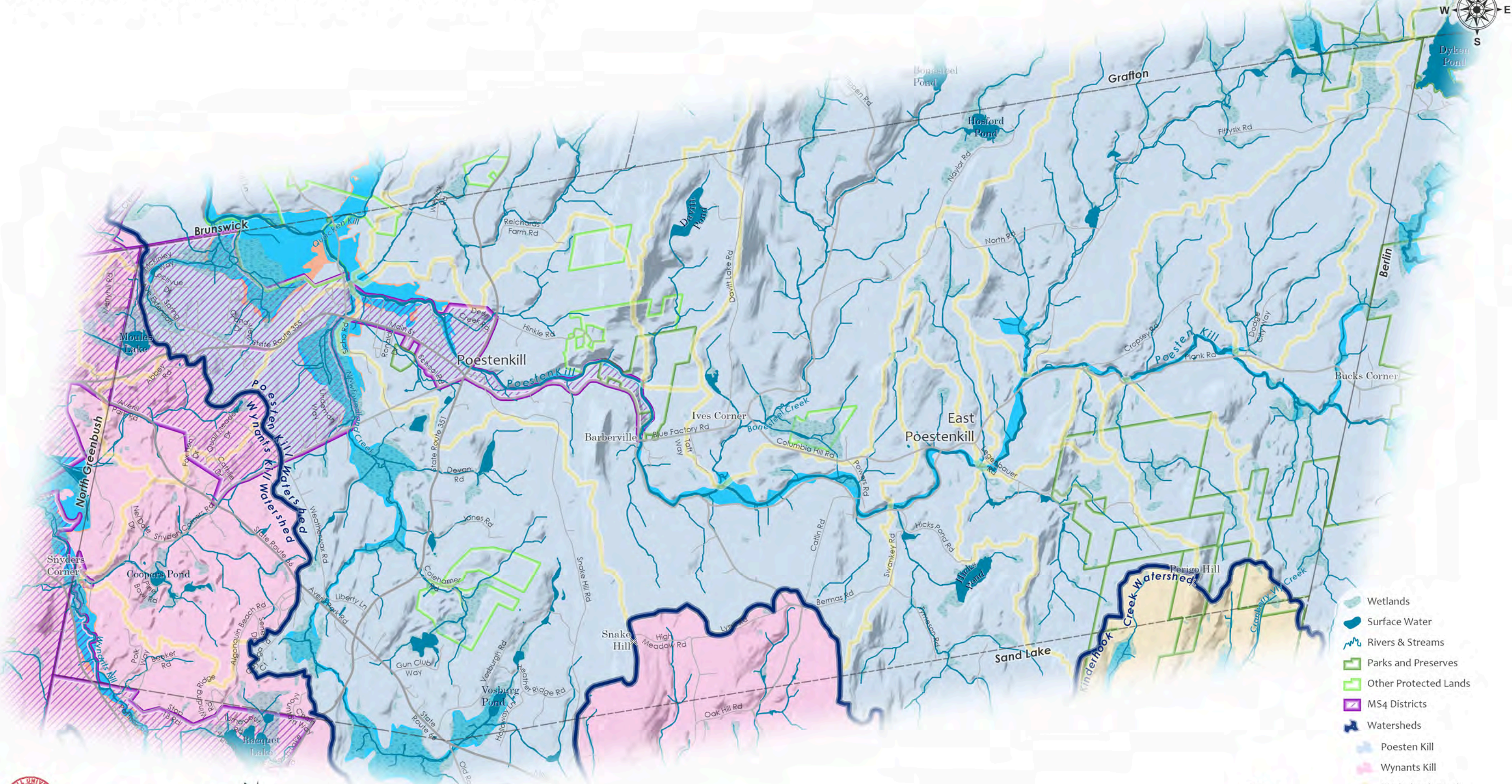
Data Sources - Unconsolidated Aquifers: NYSDEC 2008; Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.



## Map 8: Drinking Water



# Town of Poestenkill Natural Resource Inventory



- Wetlands
- Surface Water
- Rivers & Streams
- Parks and Preserves
- Other Protected Lands
- MS4 Districts
- Watersheds
  - Poesten Kill
  - Wynants Kill
  - Kinderhook Creek
- Sub Watershed Boundaries
- Flood Zones**
  - 1% Annual Flood Risk
  - 0.2% Annual Flood Risk

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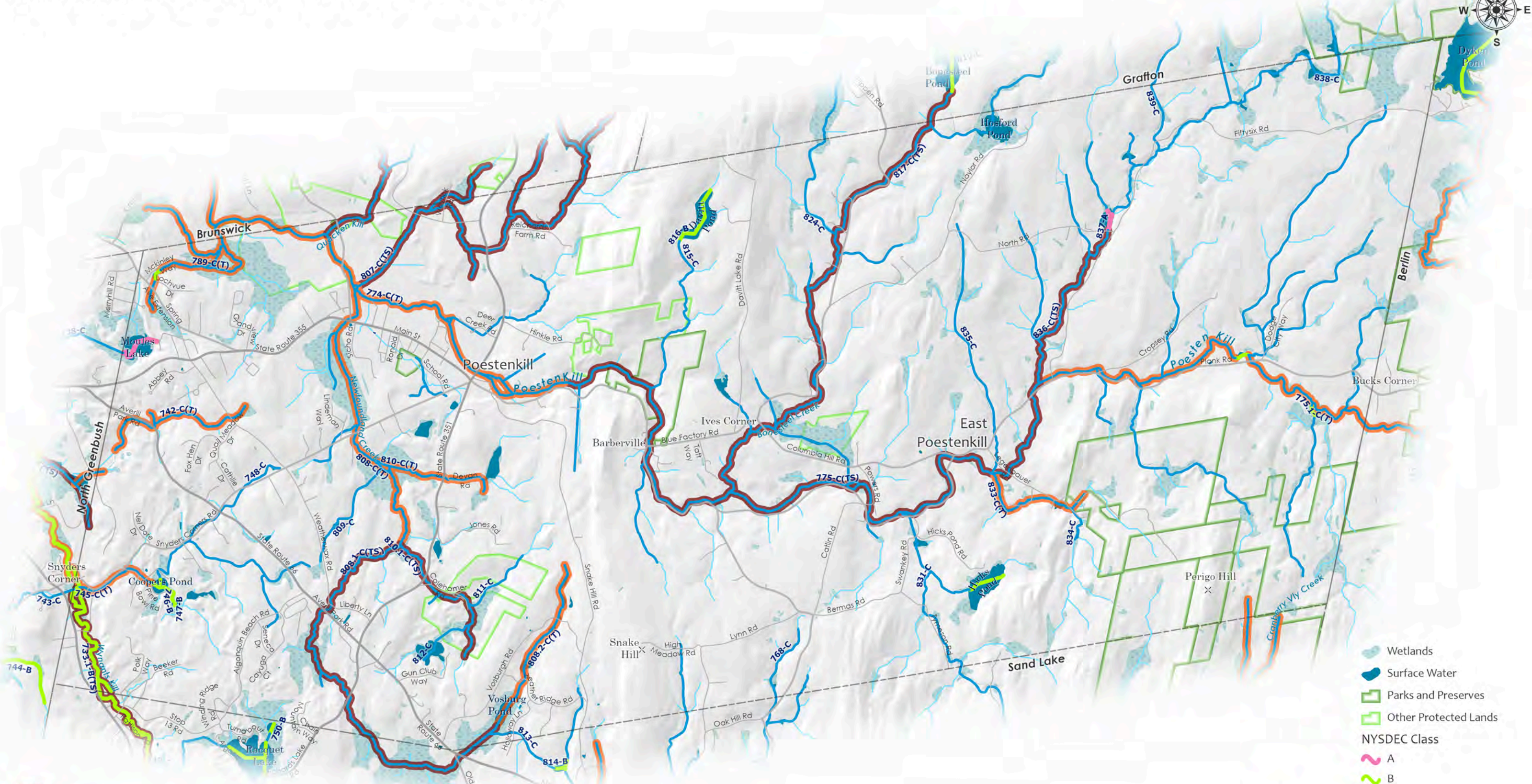
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Data Sources - Watersheds: USDA NRCS; Sub Watersheds: USGS Streamstats 2019; Flood Zones: FEMA 1981; MS4: NYSDEC 2019; Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.



## Map 9: Watersheds and Flood Zones

# Town of Poestenkill Natural Resource Inventory



- Wetlands
- Surface Water
- Parks and Preserves
- Other Protected Lands
- NYSDEC Class**
- A
- B
- C
- Other Mapped Stream\*
- NYSDEC Standard**
- (T) Trout
- (TS) Trout Spawning

\*From USGS NHD and/or StreamStats

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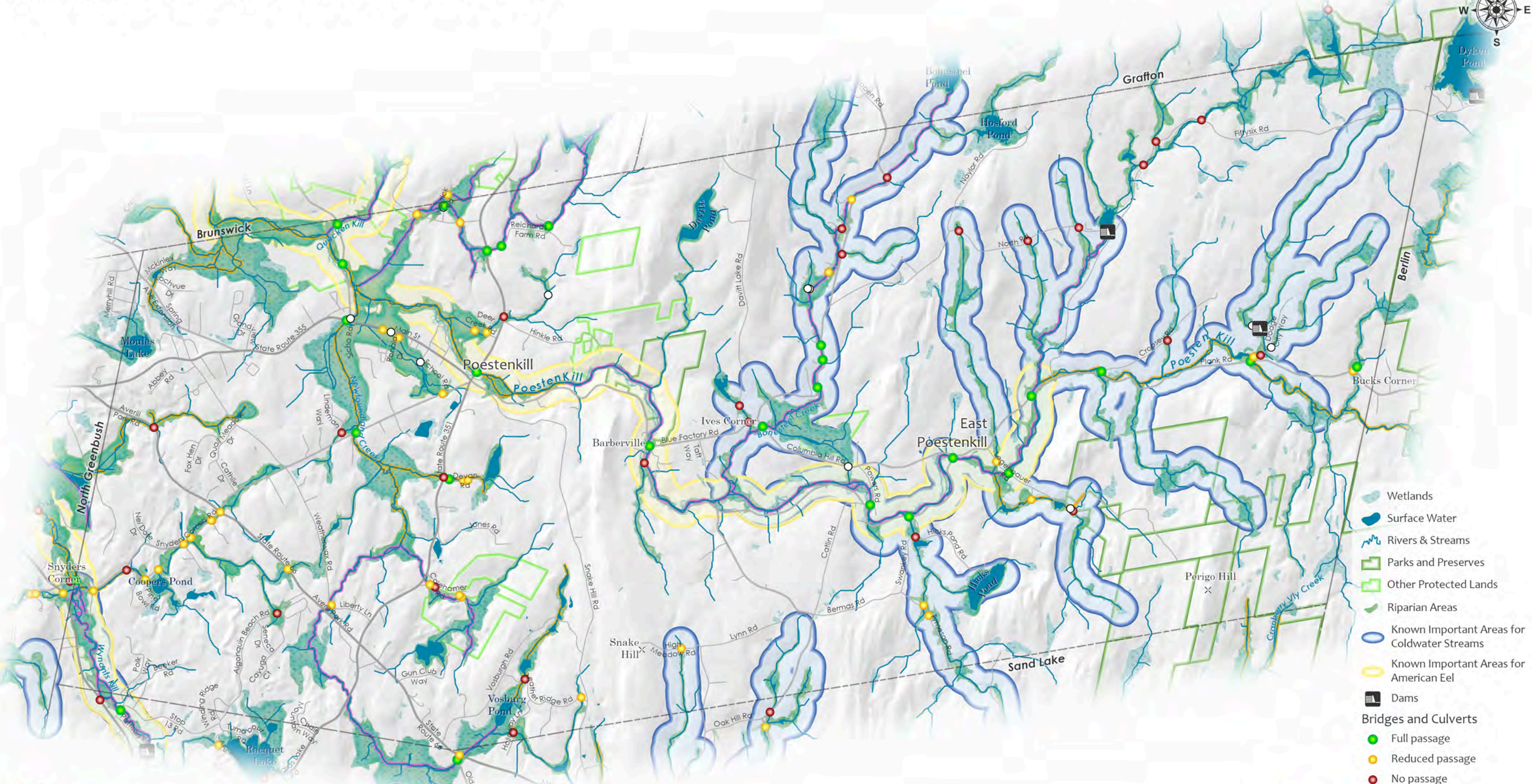
For Conceptual Planning Purposes Only

Data Sources - Stream Class: NYSDEC 2018; Wetlands: NYSDEC 2013; USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017, StreamStats 2018; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.

## Map 10: Stream Classifications



# Town of Poestenkill Natural Resource Inventory



- Wetlands
- Surface Water
- Rivers & Streams
- Parks and Preserves
- Other Protected Lands
- Riparian Areas
- Known Important Areas for Coldwater Streams
- Known Important Areas for American Eel
- Dams
- Bridges and Culverts**
- Full passage
- Reduced passage
- No passage
- No score
- NYSDEC Standard**
- (T) Trout
- (TS) Trout Spawning
- Other Mapped Stream

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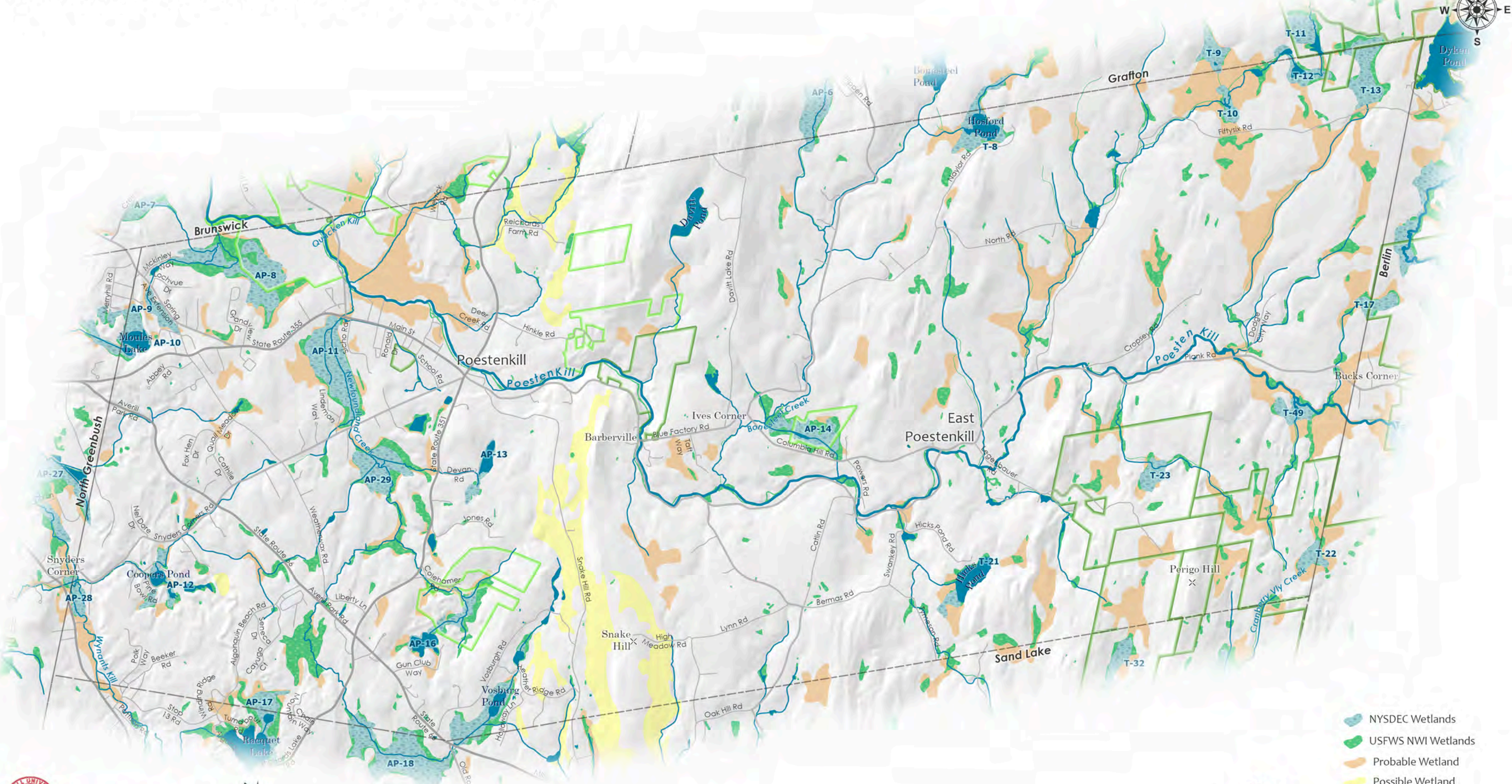
For Conceptual Planning Purposes Only

Data Sources - Stream Habitat: NYNHP 2019; Trout Class: NYSDEC 2018; Riparian: NYNHP 2018; Dams: NYSDEC 2017 (modified 2018); Barriers: North Atlantic Aquatic Connectivity Collaborative 2019; Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017, StreamStats 2018; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.



**Map 11: Stream Habitats**

# Town of Poestenkill Natural Resource Inventory



- NYSDEC Wetlands
- USFWS NWI Wetlands
- Probable Wetland
- Possible Wetland
- Surface Water
- Rivers & Streams
- Parks and Preserves
- Other Protected Lands

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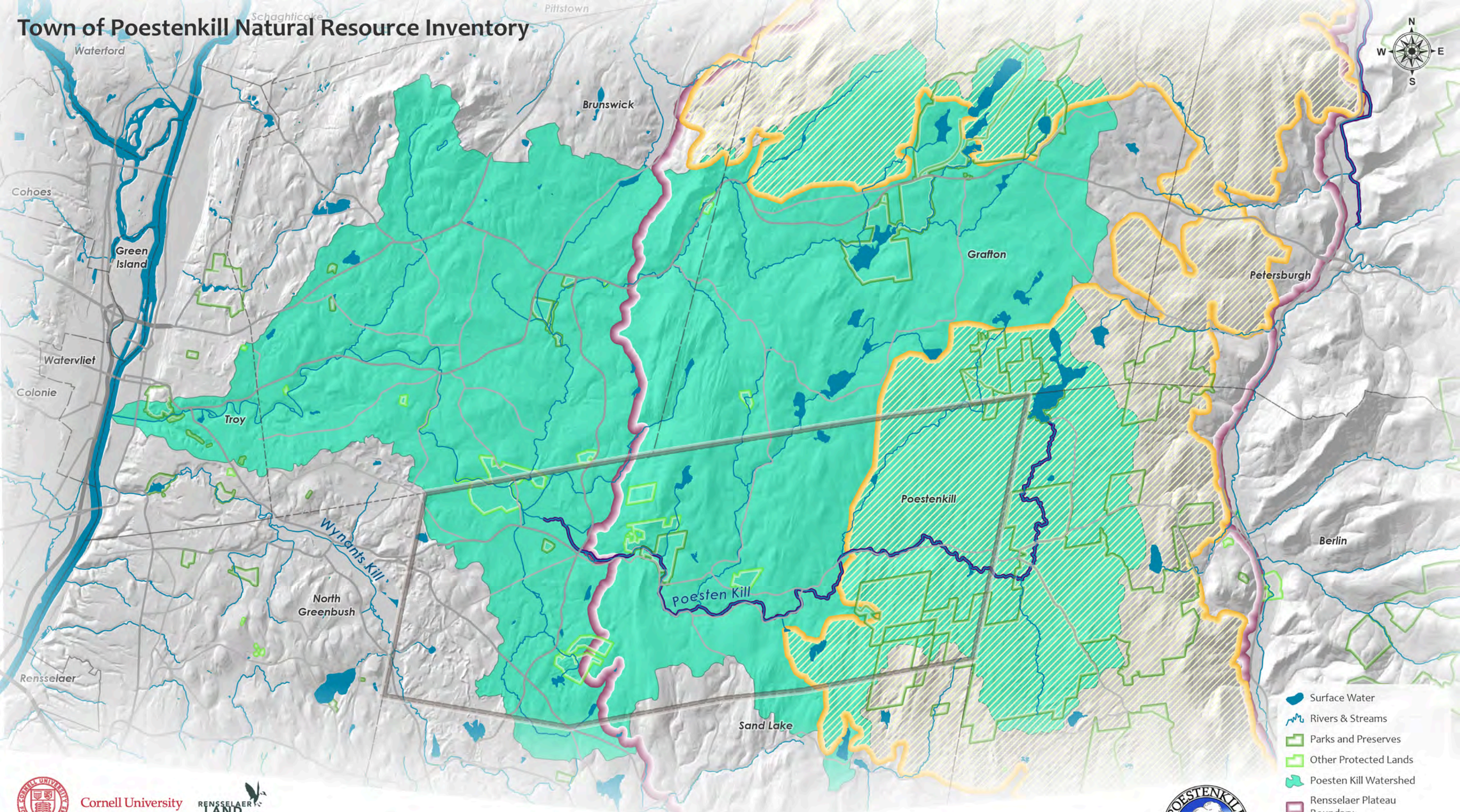
For Conceptual Planning Purposes Only

Data Sources - Wetlands: NYSDEC 2013; USFWS 2018; Possible/Probable Wetlands: USDA NRCS Soil 2017; Important Wetland Complex: Rens. Co. Conservation Plan 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.



## Map 12: Wetlands

# Town of Poestenkill Natural Resource Inventory



- Surface Water
- Rivers & Streams
- Parks and Preserves
- Other Protected Lands
- Poesten Kill Watershed
- Rensselaer Plateau Boundary
- Important Bird Area
- Nationwide Rivers Inventory

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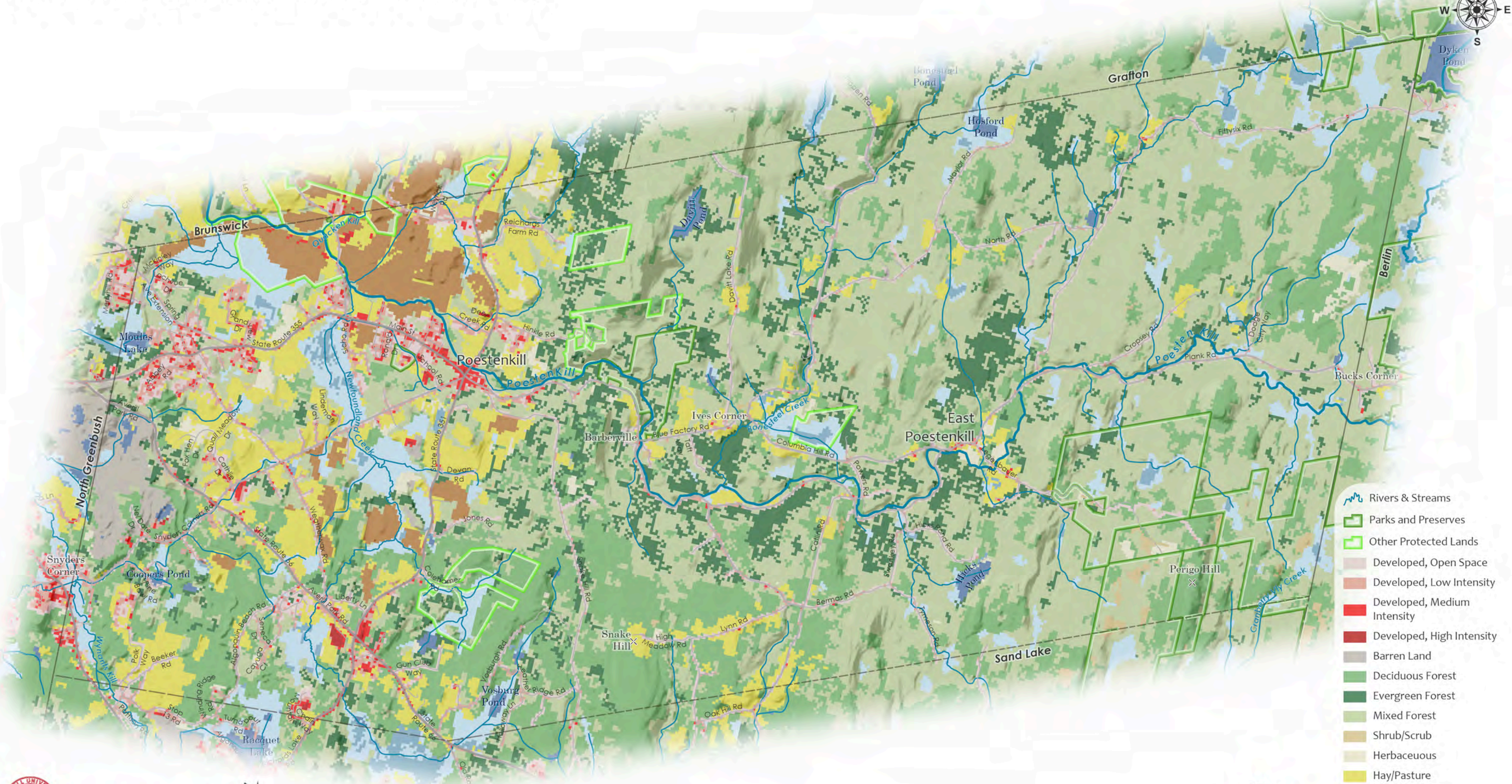
For Conceptual Planning Purposes Only

Data Sources - Watershed: USDA NRCS; Plateau Boundary: Dr. David Hunt 2013; IBA: Audubon Society 2015; NRI: US Park Service 2019; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Parks & Preserves: RL, NYSDEC, NYS OPRHP, Rensselaer County Real Property.



## Map 13: Regional Context

# Town of Poestenkill Natural Resource Inventory



- Rivers & Streams
- Parks and Preserves
- Other Protected Lands
- Developed, Open Space
- Developed, Low Intensity
- Developed, Medium Intensity
- Developed, High Intensity
- Barren Land
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Shrub/Scrub
- Herbaceous
- Hay/Pasture
- Cultivated Crops
- Woody Wetlands
- Emergent Herbaceous Wetlands
- Open Water

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Data Sources - Land Cover: USGS 2016; Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.




## Map 14: Land Cover


# Town of Poestenkill Natural Resource Inventory




- Wetlands
  - Surface Water
  - Rivers & Streams
  - Parks and Preserves
  - Other Protected Lands
  - Significant Natural Communities
  - Rensselaer Plateau
  - Significant Biodiversity Area
  - Important Bird Area
- NYNHP Known Important Areas for:**
- Rare Bats -Foraging Areas
  - Dragonflies
  - Coldwater Streams
  - American Eel
  - Rare Plants




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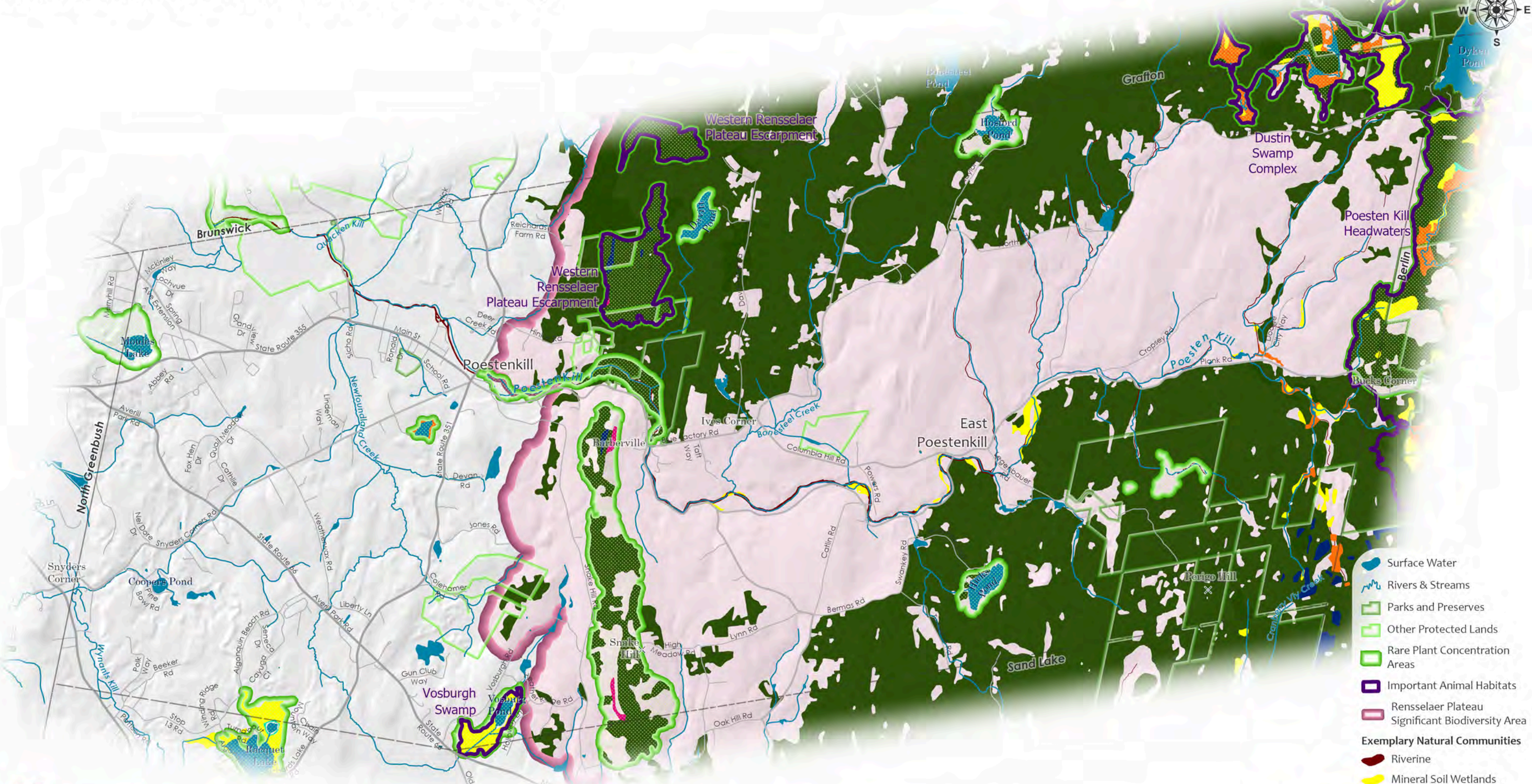
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Data Sources - Natural Heritage Areas: NYNHP 2019; Sig. Natural Communities: NYNHP 2018; IBA: Audubon 2015; Plateau SBA: Dr. David Hunt 2013; Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.




**Map 15: State Important Biodiversity Areas**


# Town of Poestenkill Natural Resource Inventory




- Surface Water
- Rivers & Streams
- Parks and Preserves
- Other Protected Lands
- Rare Plant Concentration Areas
- Important Animal Habitats
- Rensselaer Plateau Significant Biodiversity Area
- Exemplary Natural Communities**
- Riverine
- Mineral Soil Wetlands
- Peatlands
- Lacustrine
- Open Uplands
- Barrens & Woodlands
- Forested Uplands




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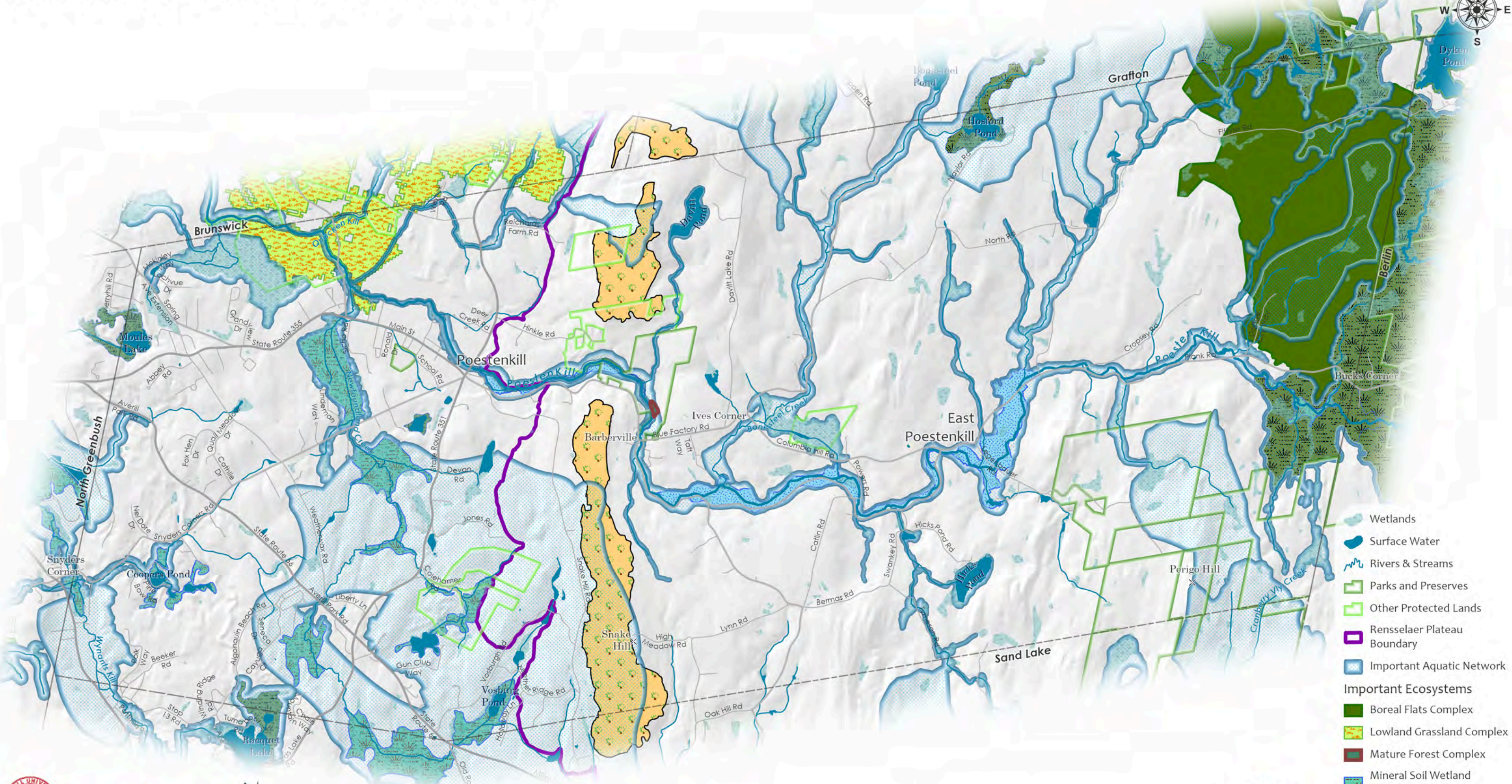
Data Sources - Important Animals, Rare Plant, Exemplary Natural Communities: Rens. Co. Conservation Plan 2018; Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.




**Map 16A: County Important Biodiversity Areas**




# Town of Poestenkill Natural Resource Inventory




- Wetlands
- Surface Water
- Rivers & Streams
- Parks and Preserves
- Other Protected Lands
- Rensselaer Plateau Boundary
- Important Aquatic Network
- Important Ecosystems**
- Boreal Flats Complex
- Lowland Grassland Complex
- Mature Forest Complex
- Mineral Soil Wetland Complex
- Peatland Complex
- Riparian Complex
- Rocky Slope/Summit Complex




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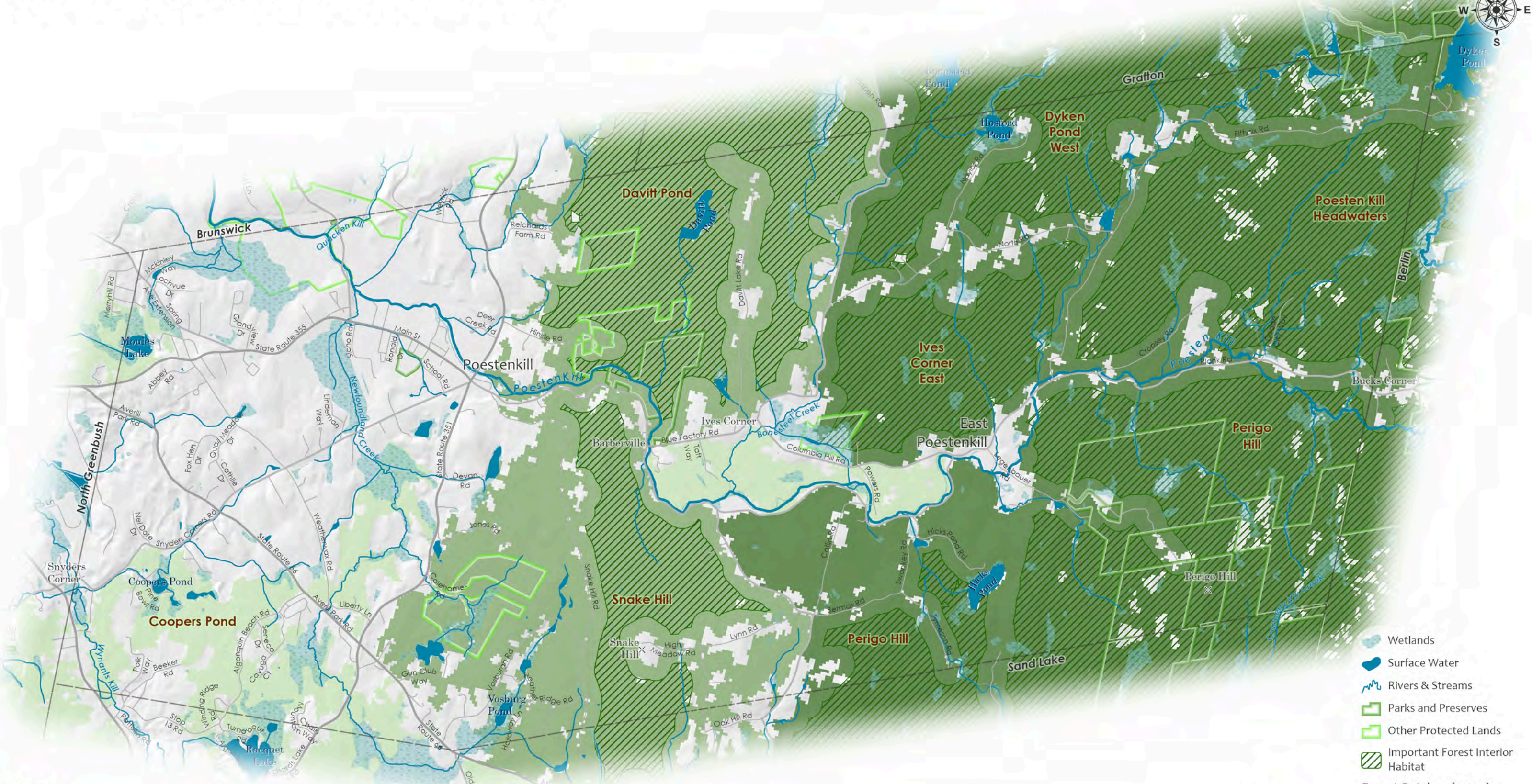
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Data Sources - Important Aquatic Network and Ecological Systems: Rens. Co. Conservation Plan 2018; Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.




## Map 16B: County Important Biodiversity Areas


# Town of Poestenkill Natural Resource Inventory




- Wetlands
- Surface Water
- Rivers & Streams
- Parks and Preserves
- Other Protected Lands
- Important Forest Interior Habitat
- Forest Patches (acres)
  - Stepping Stone (200 - 1999)
  - Locally Significant (2000 - 5999)
  - Regionally Significant (6000 - 14999)




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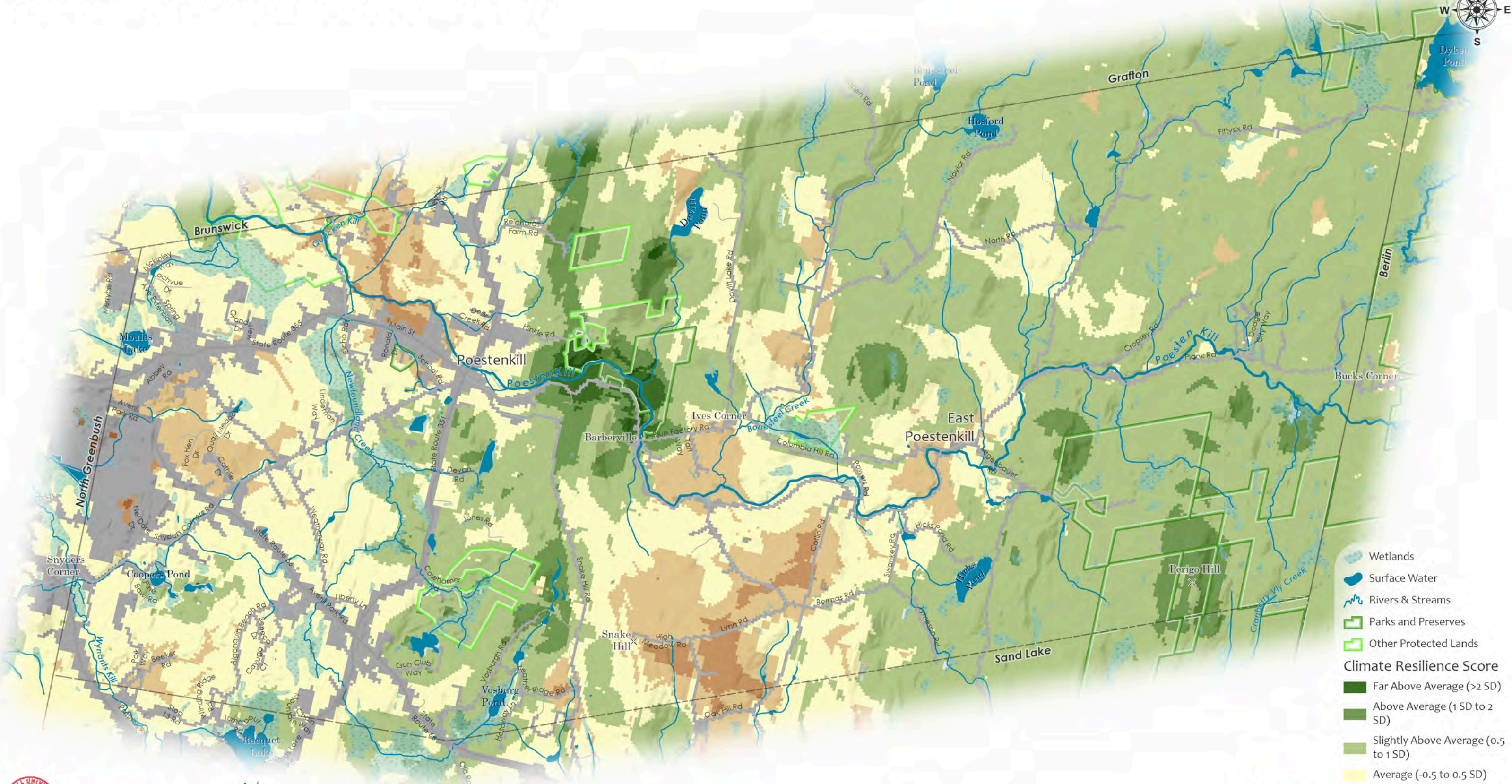
For Conceptual Planning Purposes Only

Data Sources - Large Forests: NYSDEC HREP 2010; Forest Interiors: Rens. Co. Conservation Plan 2018; Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.




**Map 17: Large Forests**


# Town of Poestenkill Natural Resource Inventory




- Wetlands
  - Surface Water
  - Rivers & Streams
  - Parks and Preserves
  - Other Protected Lands
- Climate Resiliency Score**
- Far Above Average (>2 SD)
  - Above Average (1 SD to 2 SD)
  - Slightly Above Average (0.5 to 1 SD)
  - Average (-0.5 to 0.5 SD)
  - Slightly Below Average (-0.5 to -1 SD)
  - Below Average (-1 to -2 SD)
  - Far Below Average (<-2 SD)
  - Developed




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**Department of Environmental Conservation**



**Hudson River Estuary Program**

0 0.25 0.5 1 Miles  
Map prepared by Upstate GIS - September 2019

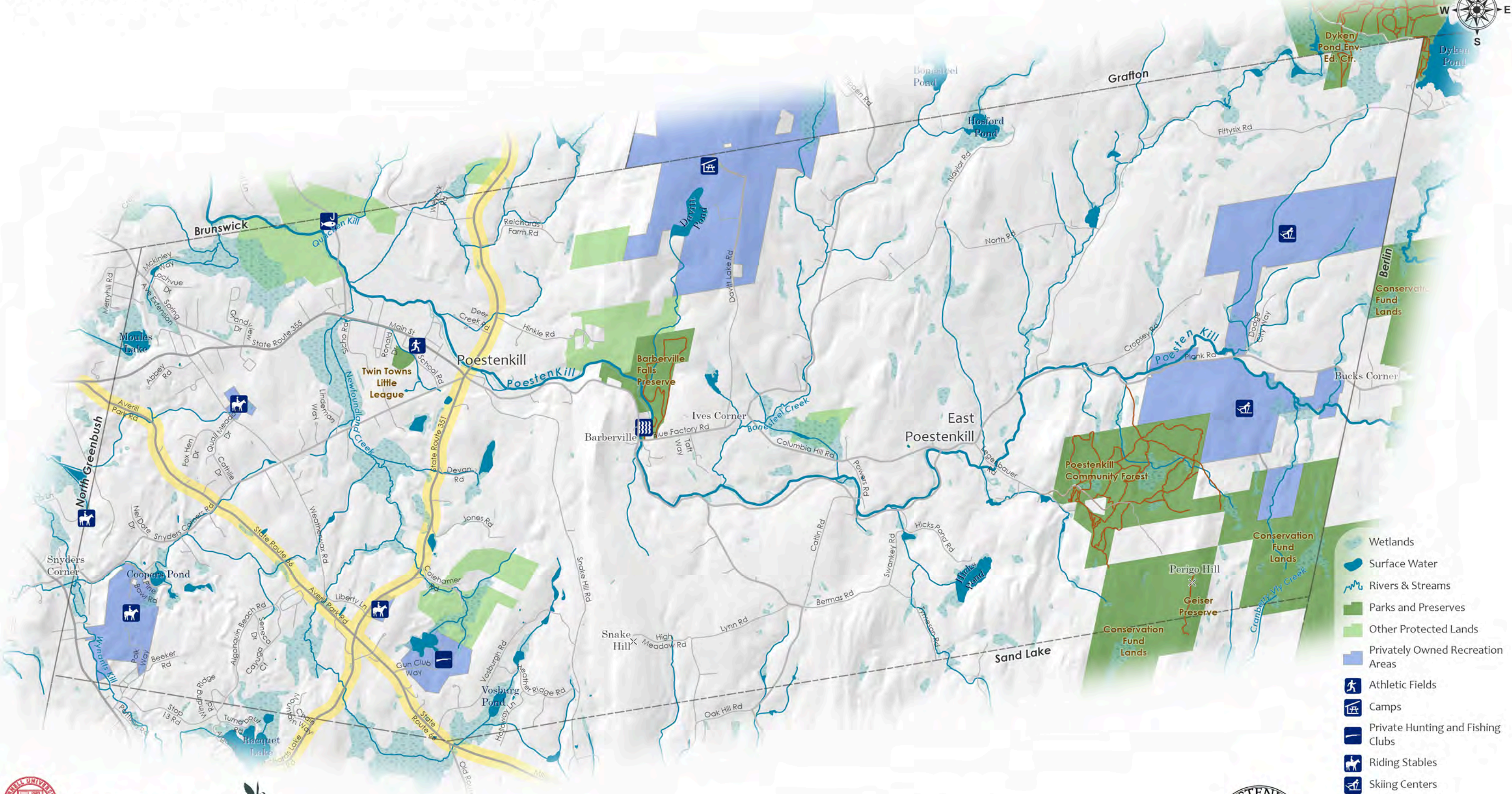
Creating a Natural Resources Inventory (NRI) in the Town of Poestenkill is a partnership project among the Town, Rensselaer Land Trust and Cornell University Department of Natural Resources, with funding from the Environmental Protection Fund through the New York State Department of Environmental Conservation Hudson River Estuary Program.

Data Sources - Climate Resiliency: TNC 2016; Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.


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**Map 18: Climate Resiliency for Biodiversity**


# Town of Poestenkill Natural Resource Inventory




- Wetlands
- Surface Water
- Rivers & Streams
- Parks and Preserves
- Other Protected Lands
- Privately Owned Recreation Areas
- Athletic Fields
- Camps
- Private Hunting and Fishing Clubs
- Riding Stables
- Skiing Centers
- Fishing Sites
- Waterfalls
- Trails
- Scenic Roads




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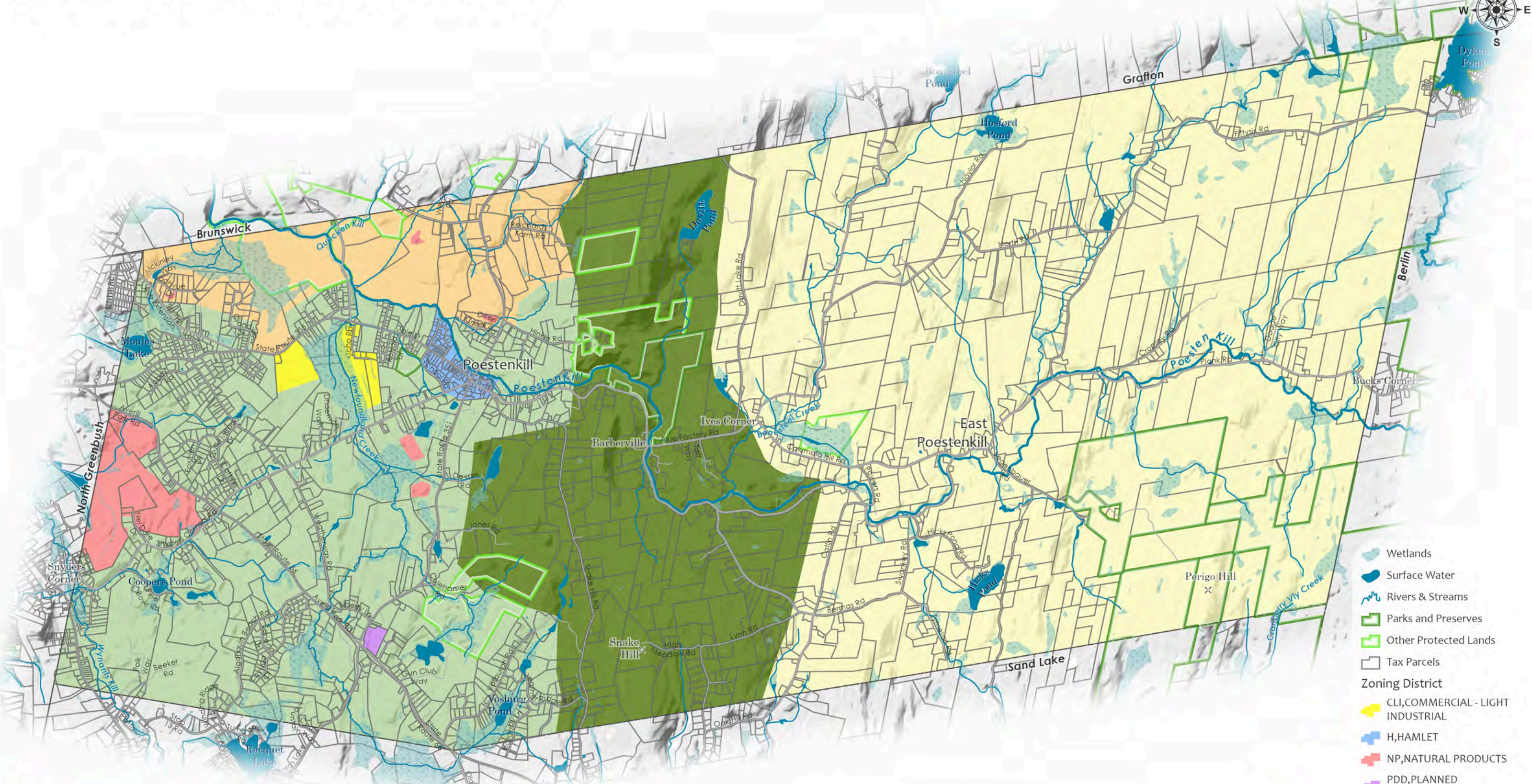
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Data Sources - Scenic and Trails: Rens. Co. Conservation Plan 2018; Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property; Recreation: Rensselaer County Real Property 2017.




**Map 19: Recreation and Scenic Resources**


# Town of Poestenkill Natural Resource Inventory




- Wetlands
- Surface Water
- Rivers & Streams
- Parks and Preserves
- Other Protected Lands
- Tax Parcels
- Zoning District**
- CLI, COMMERCIAL - LIGHT INDUSTRIAL
- H, HAMLET
- NP, NATURAL PRODUCTS
- PDD, PLANNED DEVELOPMENT
- R, RESIDENTIAL
- RA, RURAL AGRICULTURAL
- RR-1, RURAL RESIDENTIAL - 1
- RR-2, RURAL RESIDENTIAL - 2




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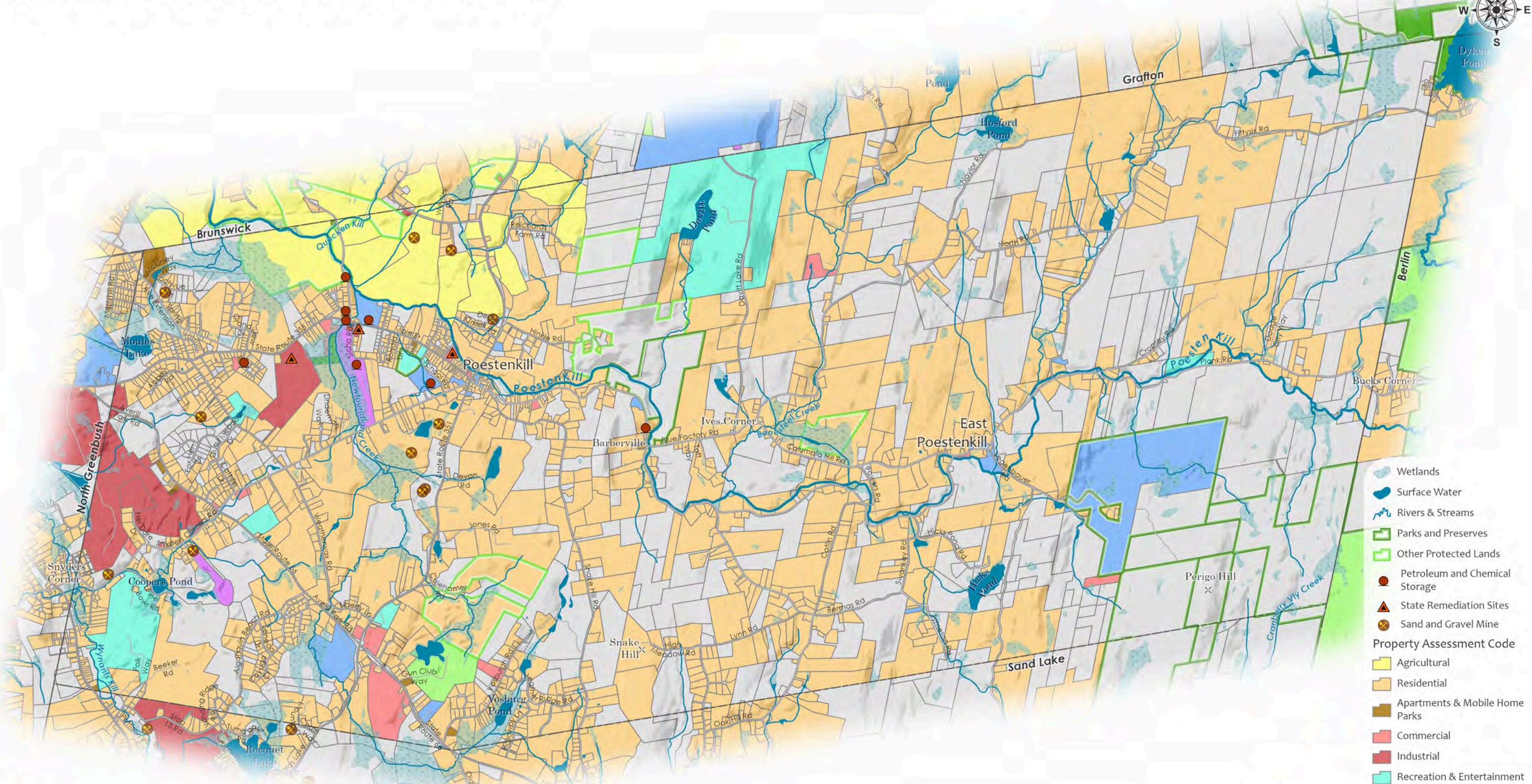
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Data Sources - Zoning: Rensselaer County Planning 2010; Tax Parcels: Rensselaer County Real Property 2018; Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.




## Map 20: Existing Zoning


# Town of Poestenkill Natural Resource Inventory




- Wetlands
- Surface Water
- Rivers & Streams
- Parks and Preserves
- Other Protected Lands
- Petroleum and Chemical Storage
- State Remediation Sites
- Sand and Gravel Mine
- Property Assessment Code**
- Agricultural
- Residential
- Apartments & Mobile Home Parks
- Commercial
- Industrial
- Recreation & Entertainment
- Community Services
- Public Services
- Private Forest
- Parks & Conserved Land
- Vacant




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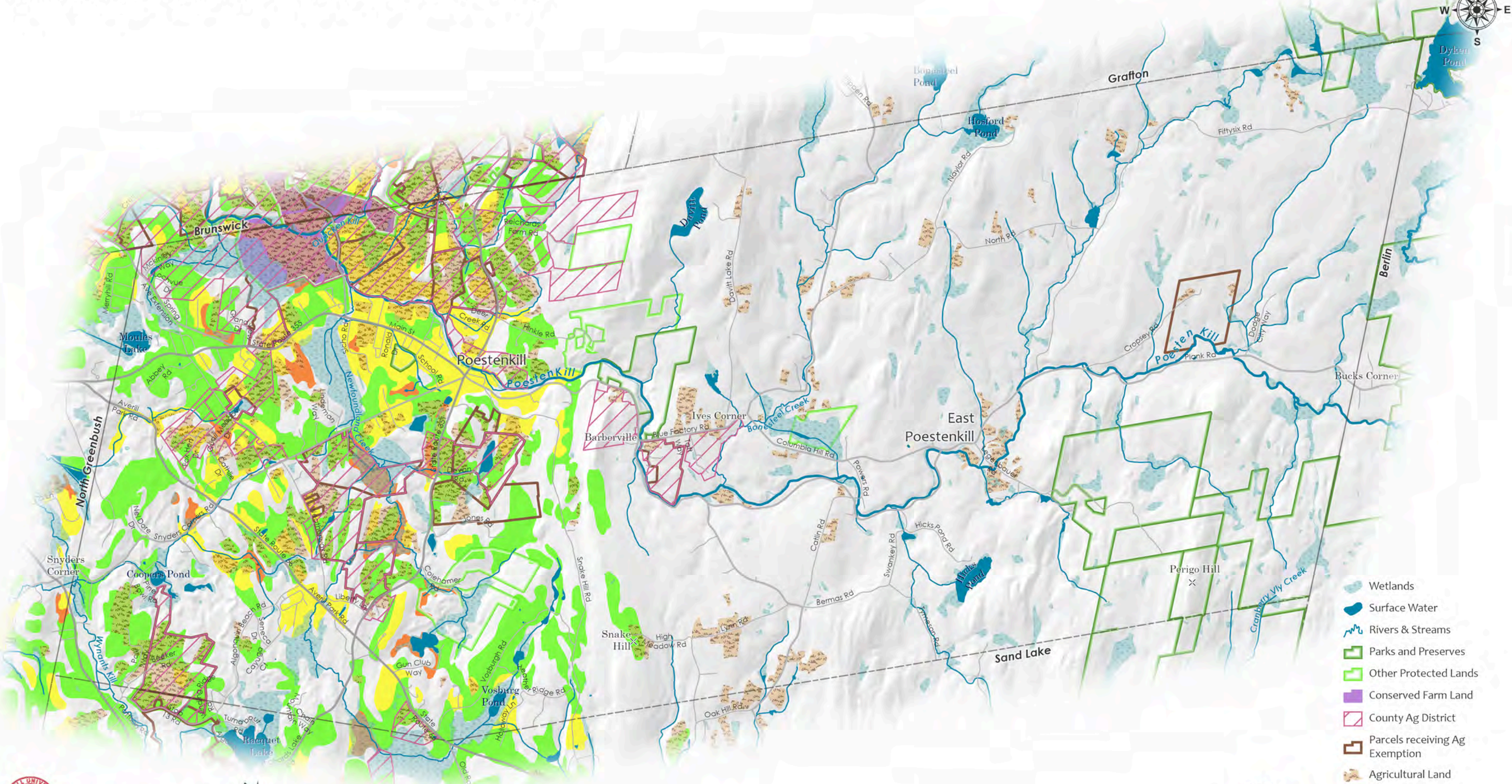
For Conceptual Planning Purposes Only

Data Sources - Land Use: Rensselaer County Real Property 2018; Remediation and Storage Sites: NYSDEC 2019; Mines: NYSDEC 2018; Wetlands: NYSDEC 2013, USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.



## Map 21: Existing Land Use

# Town of Poestenkill Natural Resource Inventory



- Wetlands
- Surface Water
- Rivers & Streams
- Parks and Preserves
- Other Protected Lands
- Conserved Farm Land
- County Ag District
- Parcels receiving Ag Exemption
- Agricultural Land
- Farmland Soils**
- Prime farmland
- Farmland of statewide importance
- Prime farmland if drained

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Data Sources - Ag Districts, Exemptions: Rensselaer County Real Property 2018; Farmland: Rens. Co. Conservation Plan 2018; Conserved Farmland: ASA 2019; Wetlands: NYSDEC 2013; USFWS 2018; Surface Water, Rivers and Streams: USGS National Hydrography Dataset 2017; Road centerlines: NYS GIS Program Office 2018; Feature location names: USGS 2018; Parks & Preserves: RLT, NYSDEC, NYS OPRHP, Rensselaer County Real Property.



## Map 22: Agricultural Resources