

# **NATURAL RESOURCE INVENTORY ANALYSIS**

Prepared for

## **PROPOSED CLEAR SUBDIVISION**

Located at

**515 Woodstock Road  
Town of Washington, NY**

Date; July 23, 2024

Prepared for

## **Town of Washington Planning Board**

10 Reservoir Drive  
Millbrook, NY 12545

Prepared by:



## **Introduction:**

The Town of Washington via Town Board Resolution adopted an update to its Comprehensive Plan in 2023 that recommended the development of the Natural Resource Inventory. The Town Board subsequently adopted the Natural Resource Inventory on February 15, 2024.

Thereafter, in June 2024, the Town Board adopted an amendment to the Town Zoning Law concerning the Natural Resources Inventory, providing as follows:

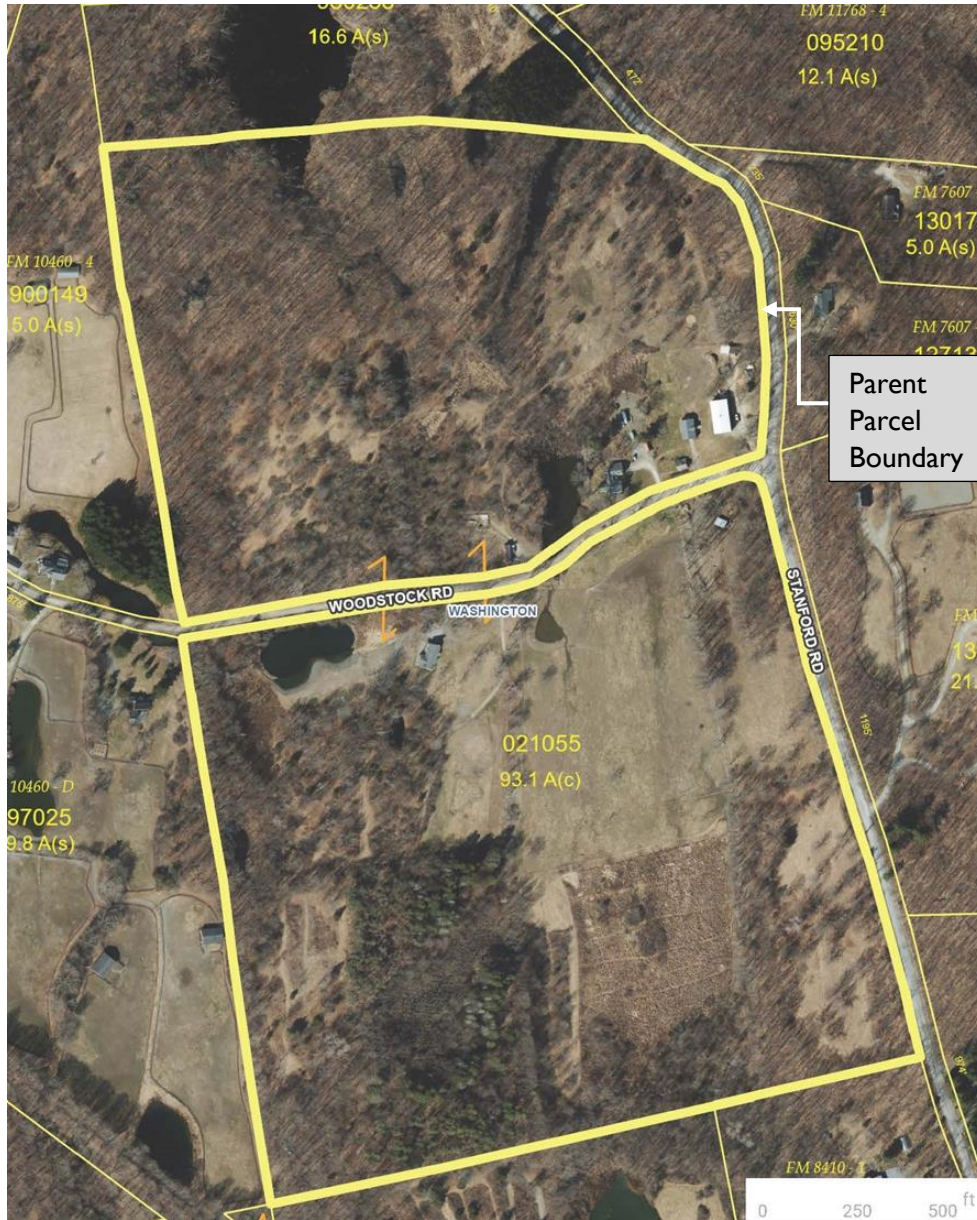
The Natural Resources Inventory (entitled Town of Washington and Village of Millbrook Natural Resources Inventory 2023) (“NRI”), which was adopted by resolution of the Town Board dated February 15, 2024, identifies and describes the naturally occurring resources located in the Town of Washington and Village of Millbrook, including climate, topography, geology and soils, water resources, and habitat, as well as farmland and conserved or publicly owned lands. By bringing this information together in one place, the NRI is a valuable resource to aid in the understanding and appreciation of the community’s natural resources. The NRI provides valuable baseline information for comprehensive and open space planning, zoning updates, identifying critical environmental areas, climate adaptation strategies, and other municipal plans and policies for the Town and Village. The NRI can also inform local land stewardship and conservation. When preparing development proposals, Applicants are directed to consult the NRI to satisfy the requirements and standards of this Local Law. The Planning Board shall consider the NRI to identify and understand natural resources during its review of any application before it, where relevant. Likewise, the NRI shall be used during any SEQRA review conducted by any municipal board. The Town Board hereby adopts these maps as official guidelines to be used in conjunction with this Local Law.

The entirety of the NRI has been consulted by the applicants in preparing their subdivision application, and this Report is submitted to summarize the data from the NRI that is relevant to the land to be subdivided and its environmental setting. The applicants have also supplemented the data in the NRI with site specific studies of the natural features and natural resources on the property. This site-specific analysis is a valuable supplement to the baseline data in the NRI. Accordingly, the applicants request that the Planning Board’s review process include evaluation of the following site-specific studies in addition to the NRI and this Report:

- Full Environmental Assessment Form: Part I and Part F Supplemental Information and attachments
- Habitat and Biodiversity Survey Report
- Wetland Delineation Report
- Land Inventory Report
- Existing Conditions Map
- Preliminary Plat Map
- Constraints Map – with proposed lots, buildable areas and approximate driveway locations

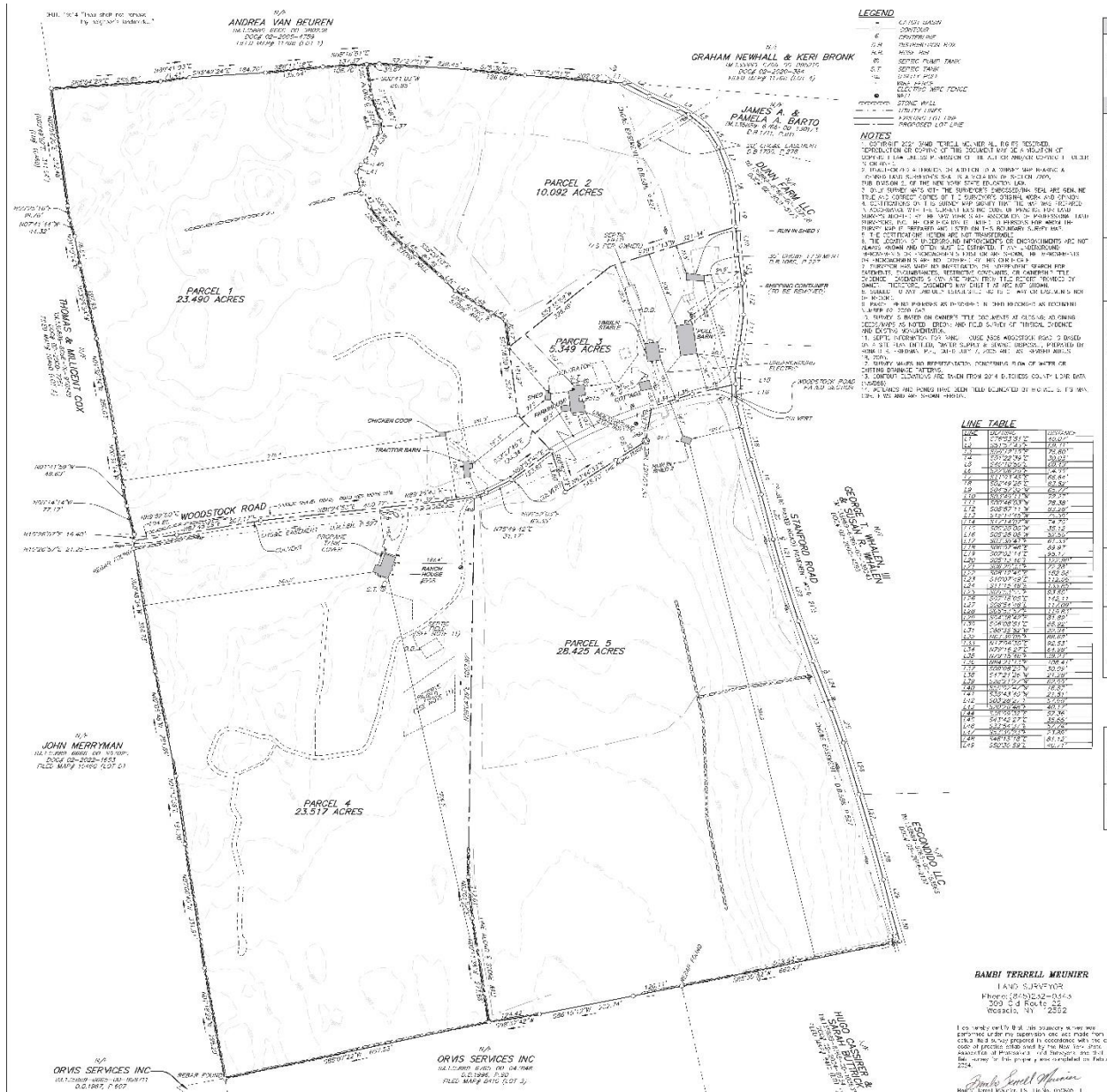
**Existing Conditions:**

The parcel is located at the eastern end of Woodstock Road where it meets Stanford Road. Woodstock Road, which is a designated Town Scenic Road, runs through the parcel in an east-west direction, effectively dividing the parcel into northern and southern portions. Currently, the parcel contains two residential single-family dwellings, a farmhouse and associated outbuildings north of Woodstock Road, near Stanford Road, and a ranch house south of Woodstock Road, in the western half of the property.



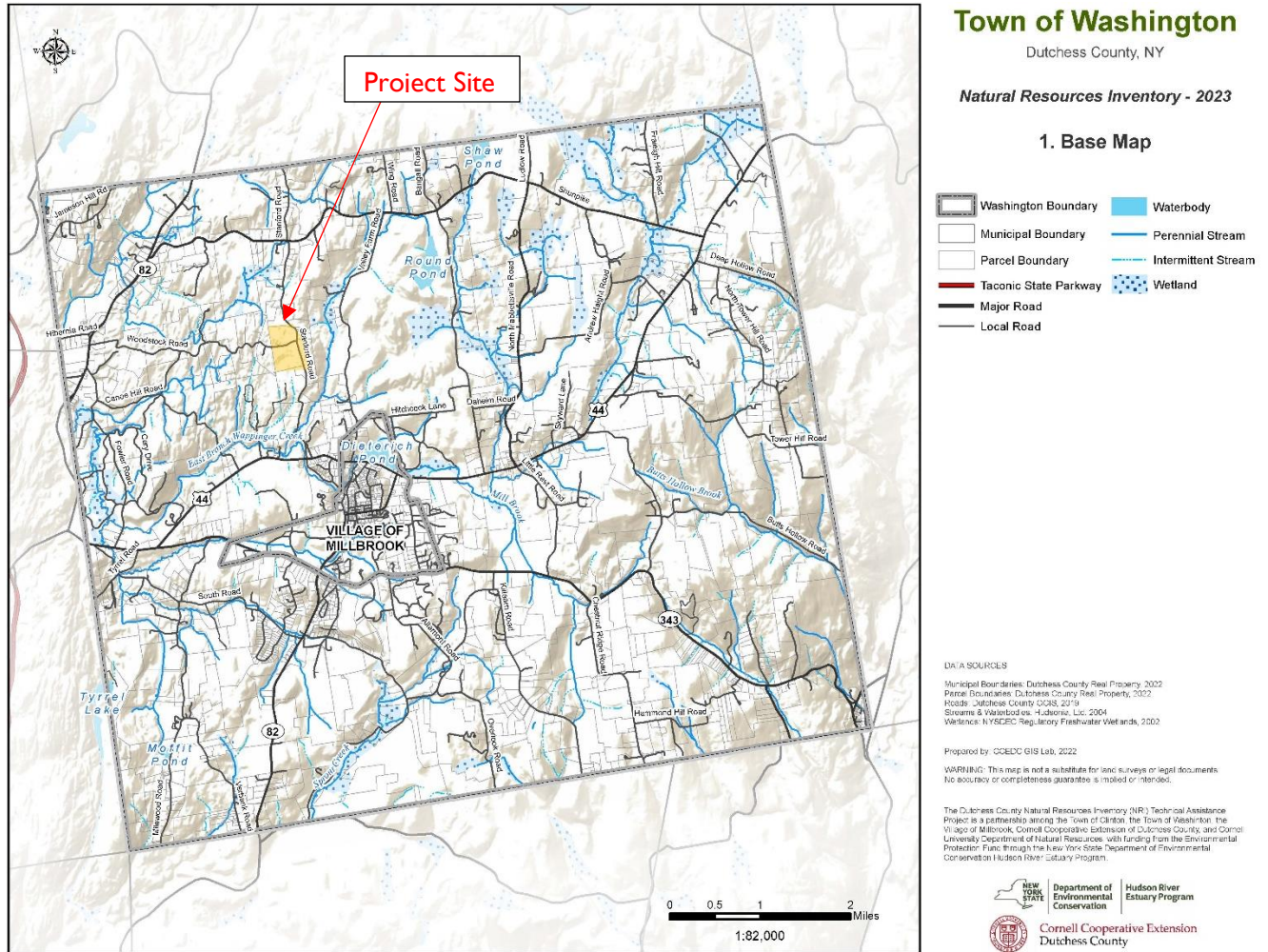
## Proposed Project Summary:

Subdivision of existing 90.87-acre parcel, bisected by Woodstock Road and bounded on the east by Stanford Road, into 5 total parcels for single-family residential use. The existing farmhouse, its associated barns, and cottage (existing kitchen to be removed) will occupy one of the three lots north of Woodstock Road. The existing ranch house will occupy one of the two lots south of Woodstock Road. The three vacant lots will be improved over time with single-family dwellings and individual well and septic. The proposed lots range in size from 5.349 acres to 28.425 acres, with an average lot size of 18.17 acres. The lots are depicted on the proposed preliminary plat. A more detailed description accompanies the application cover letter dated July 23, 2024.



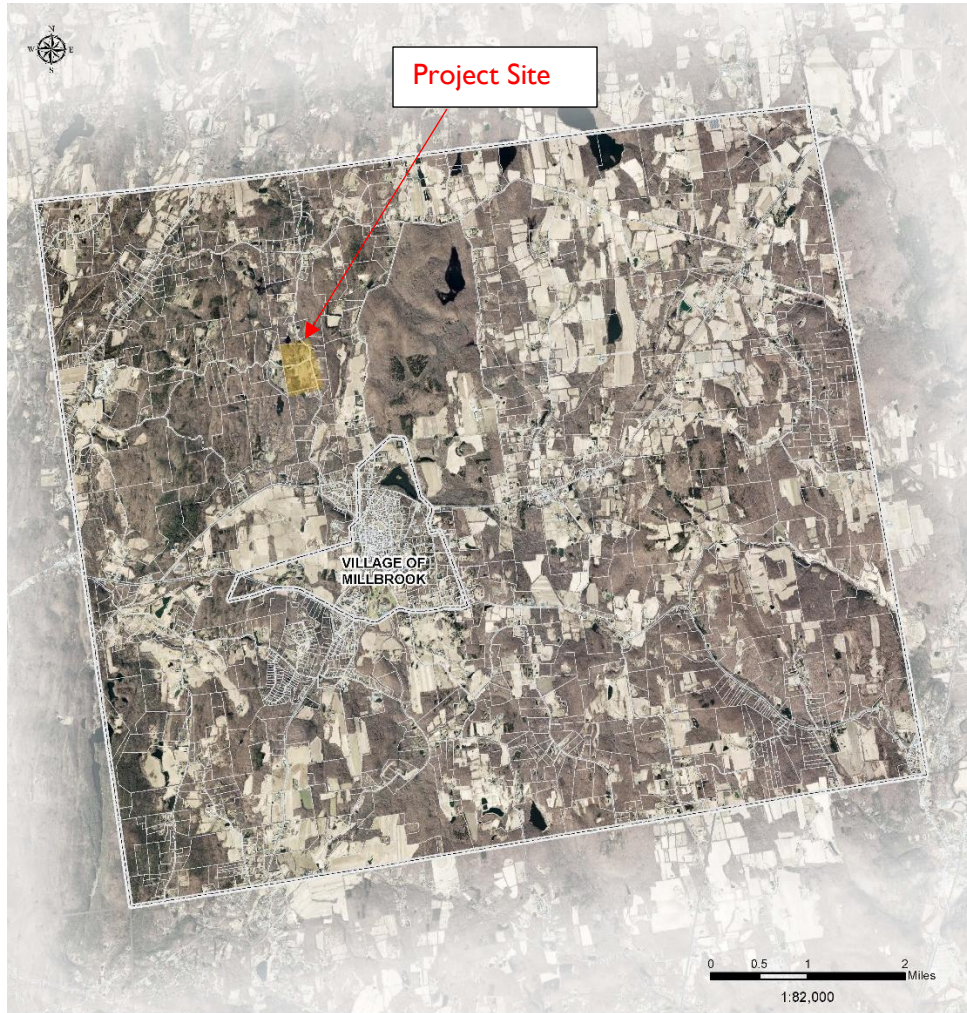
The adopted NRI's purpose is to assist the Town, its agencies, and board and the public identify and consider natural resources in making local planning and zoning decisions. The following report addresses each of the adopted NRI Maps and how they relate to the proposed project.

## NRI Base Map:



The Base Map above depicts the Town boundary, parcel boundaries, Taconic State Parkway, Major roads, Local roads, waterbodies, perennial streams, intermittent streams and wetland. The subject property is highlighted in yellow.

# NRI Aerial Imagery:



## Town of Washington

Dutchess County, NY

Natural Resources Inventory - 2023

### 2. Aerial Imagery

- Washington Boundary
- Municipal Boundary
- Parcel Boundary

#### DATA SOURCES

Municipal Boundaries: Dutchess County Real Property, 2022  
Parcel Boundaries: Dutchess County Real Property, 2022  
Aerial Imagery: Dutchess County OGS, 2020

Prepared by: CGEDC GIS Lab, 2022

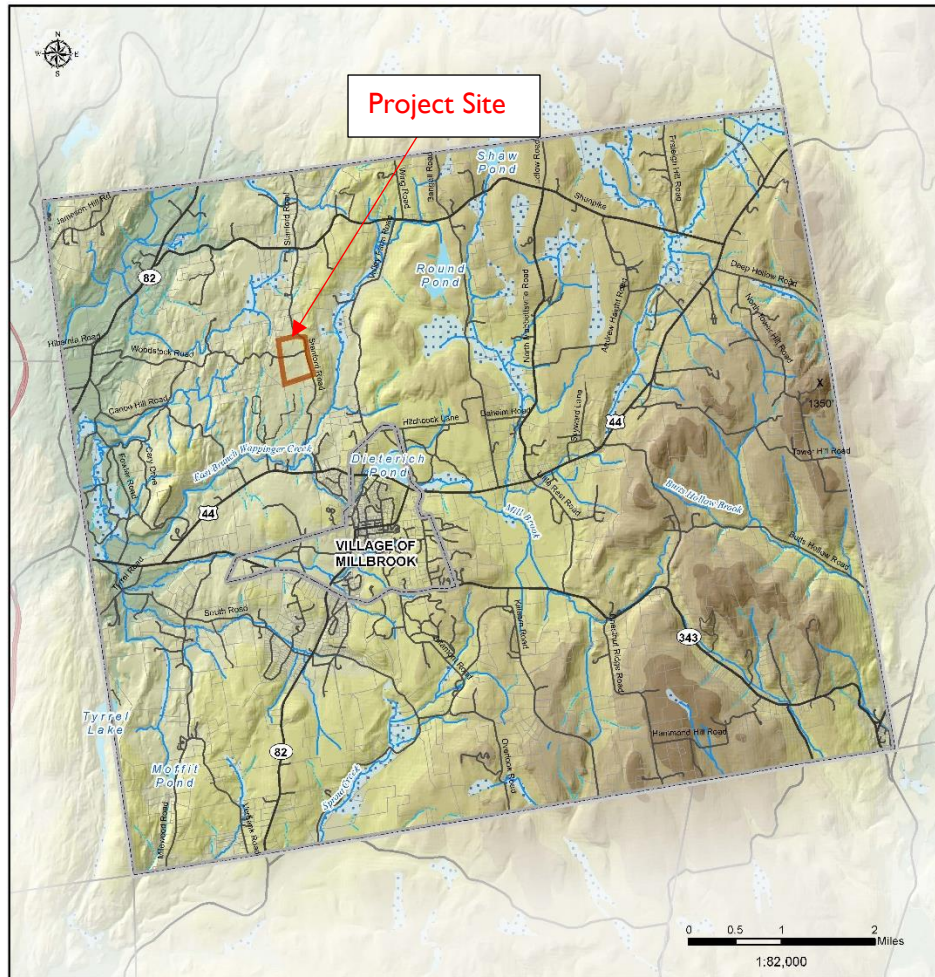
WARNING: This map is not a substitute for land surveys or legal documents. No accuracy or completeness guarantee is implied or intended.

The Dutchess County Natural Resources Inventory (NRI) Technical Assistance Project is a partnership among the Town of Clinton, the Town of Washington, the Village of Millbrook, Cornell Cooperative Extension of Dutchess County, 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.



The Aerial Imagery Map above depicts the Town Boundary and Parcel Boundary. The subject property is highlighted in yellow.

# NRI Topography & Elevation:



## Town of Washington Dutchess County, NY

Natural Resources Inventory - 2023

### 3. Topography & Elevation

- Washington Boundary
- Municipal Boundary
- Parcel Boundary
- Taconic State Parkway
- Major Road
- Local Road
- Waterbody
- Perennial Stream
- Intermittent Stream
- Wetland

X - Town High Point

Elevation (ft)

- 201-400
- 401-600
- 601-800
- 801-1000
- 1001-1200
- 1201-1400

DATA SOURCES

Municipal Boundaries: Dutchess County Real Property, 2022  
 Parcel Boundaries: Dutchess County Real Property, 2022  
 Roads: Dutchess County OCIS, 2019  
 Streams & Waterbodies: Hudsonia, LLC, 2004  
 Wetlands: NYSDDEC Regulatory Freshwater Wetlands, 2002  
 Elevation (DEM): USGS National Map 3D Elevation, 2017

Prepared by: CGEDC GIS Lab, 2022

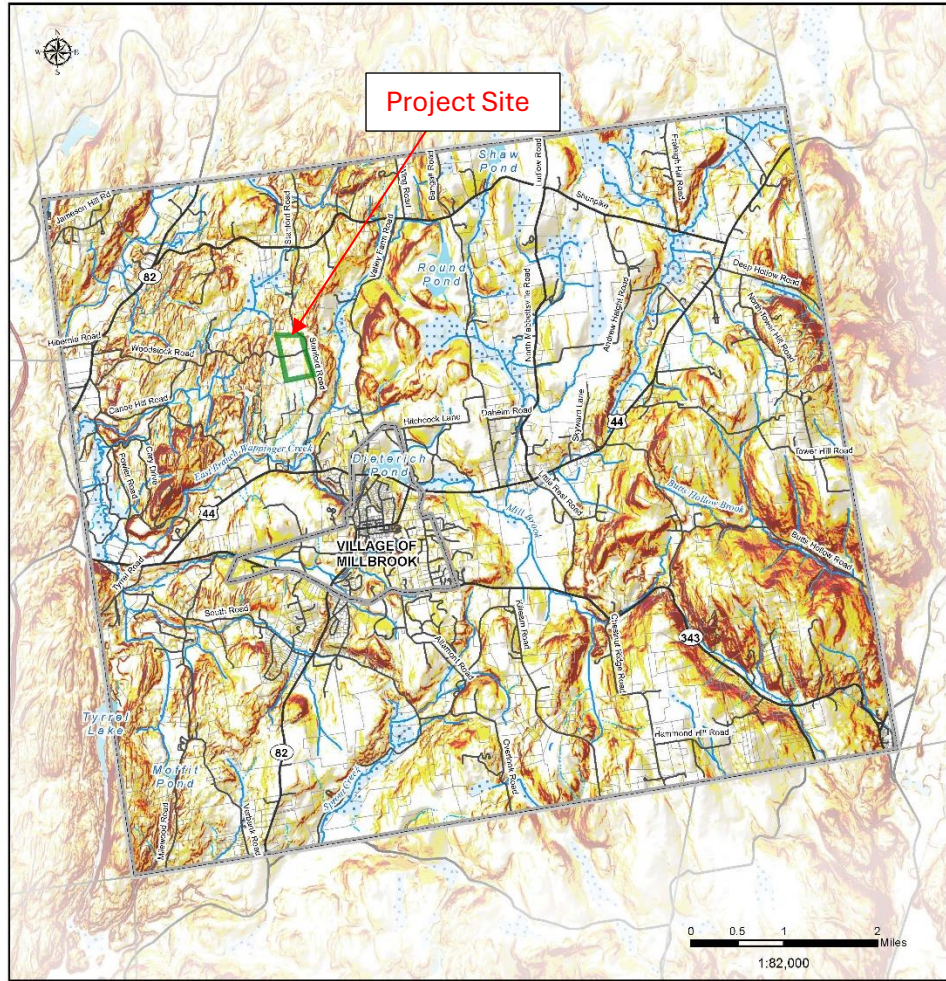
WARNING: This map is not a substitute for land surveys or legal documents. No accuracy or completeness guarantee is implied or intended.

The Dutchess County Natural Resources Inventory (NRI) Technical Assistance project is a partnership among the Town of Coxsack, the Town of Oysterbay, the Village of Millbrook, Cornell Cooperative Extension of Dutchess County, 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.



The Topography and Elevation Map above depicts Town Boundary, Parcel Boundary, Taconic State Parkway, Major Roads, Local Roads, Waterbodies, Perennial Streams, Intermittent Streams, Wetlands, Town high Point, and Elevation ranges (ft) such as 201-400, 401-600, 601-800, 801-1000, 1001-1200, 1201-1400. The subject property is outlined in red brown. As shown on the map the subject property contains elevations in the 201-400 ft elevation range. The site-specific topography survey performed for this proposed project is consistent with this map.

# NRI Steep Slopes:



## Town of Washington

Dutchess County, NY

### Natural Resources Inventory - 2023

#### 4. Steep Slopes

	Washington Boundary		Waterbody
	Municipal Boundary		Perennial Stream
	Parcel Boundary		Intermittent Stream
	Taconic State Parkway		Wetland
	Major Road		
	Local Road		

**Slope Interval**

	10-15%
	15-20%
	20-25%
	>25%

**DATA SOURCES**  
 Municipal Boundaries: Dutchess County Road Property, 2022  
 Parcel Boundaries: Dutchess County Real Property, 2022  
 Roads: Dutchess County GIS, 2016  
 Streams & Waterbodies: Hydrovia, Ltd. 2004  
 Wetlands: NYSDEC Regulatory Free-water Wetlands, 2022  
 Steep Slopes: USGS National Map, 30' Elevation, 2017

Prepared by: CCEDCO GIS Ltd., 2022  
 WARNING: This map is not a substitute for land surveys or legal documents. No accuracy or completeness guarantee is implied or intended.

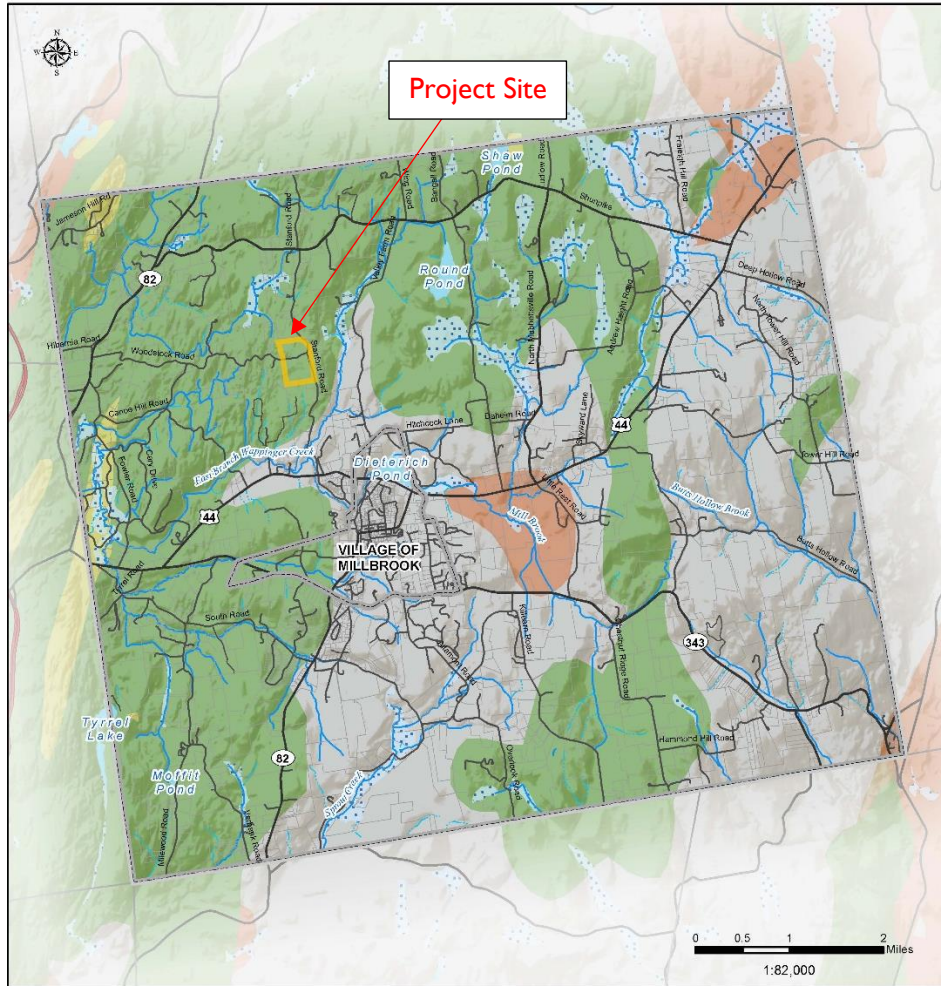
The Dutchess County Natural Resources Inventory (NRI) Technical Assistance Project is a partnership among the Town of Clinton, the Town of Washington, the Village of Millbrook, Cornell Cooperative Extension of Dutchess County, and Cornell University Department of Natural Resources with funding from the Environmental Protection Fund through the New York State Department of Environmental Conservation-Hudson River Estuary Program.



The Steep Slopes Map above depicts Town Boundary, Parcel Boundary, Taconic State Parkway, Major Roads, Local Roads, Waterbodies, Perennial Streams, Intermittent Streams, Wetlands, and Slope Intervals (%) 10-15, 15-20, 20-25, and >25. The subject property is outlined in green. The map indicates the subject property contains a small portion of slopes in the 10-15 and 15-20 intervals. Site-specific topographical study revealed that the property also contains some slopes at the 20-25% interval. See applicant's site-specific Constraints Map. The NRI Map shows that the site is relatively free of sloped area as compared to other areas in Town.



# NRI Bedrock Geology:



## Town of Washington

Dutchess County, NY

Natural Resources Inventory - 2023

### 5. Bedrock Geology

- Washington Boundary
- Municipal Boundary
- Parcel Boundary
- Taconic State Parkway
- Major Road
- Local Road
- Waterbody
- Perennial Stream
- Intermittent Stream
- Wetland

#### Bedrock Formation

- Oag Austin Glen Formation (Sedimentary: shale, graywacke)
- Osh Autochthonous Shale (Sedimentary)
- OCW Autochthonous Limestone (Sedimentary: carbonate/calcareous)
- Et Taconic Sequence (Sedimentary/Metamorphic: slate, graywacke, quartzite, and limestone)

#### DATA SOURCES

Municipal Boundaries: Dutchess County Real Property, 2022  
 Parcel Boundaries: Dutchess County Real Property, 2022  
 Roads: Dutchess County GIS, 2010  
 Streams & Waterbodies: HydroCAD, LLC, 2004  
 Wetlands: NYSDEC Regulatory Free-water Wetlands, 2002  
 Geology: New York State Museum, 1970

Prepared by: COEDC GIS Lab, 2022

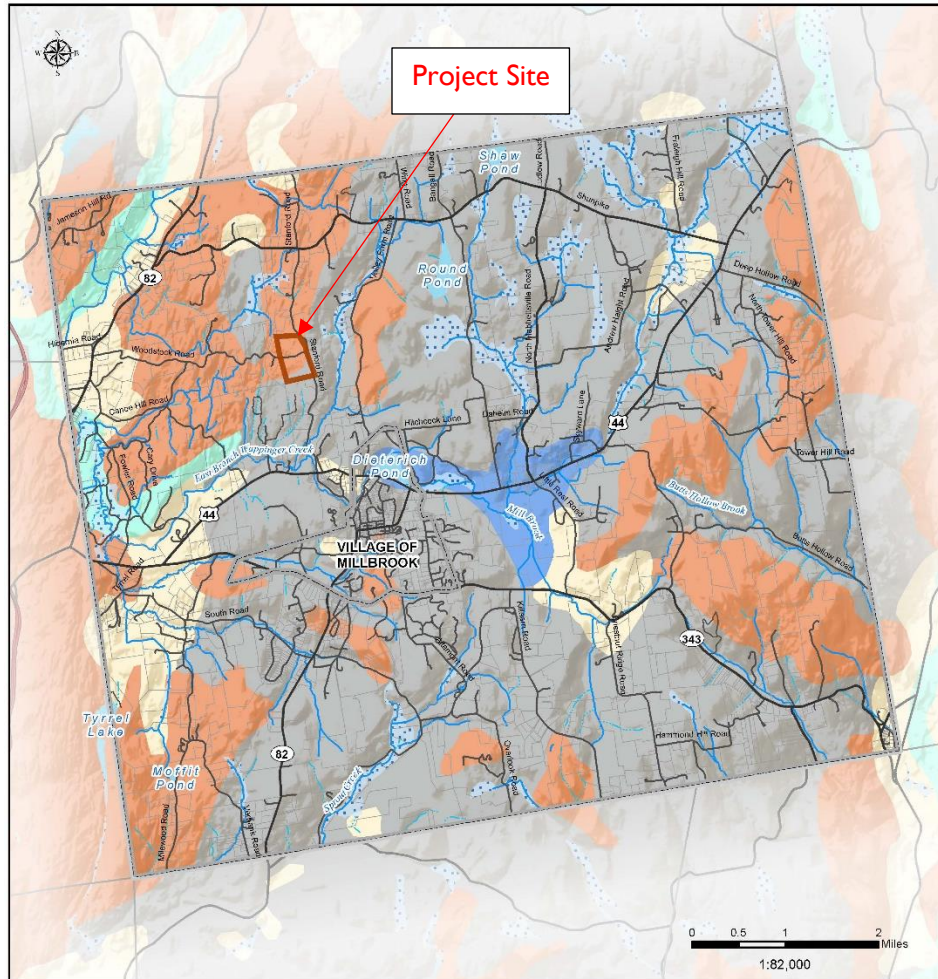
WARNING: This map is not a substitute for land surveys or legal documents. No accuracy or completeness guarantee is implied or intended.

The Dutchess County Natural Resources Inventory (NRI) Technical Assistance Project is a partnership among the Town of Clinton, the Town of Washington, the Village of Millbrook, Cornell Cooperative Extension of Dutchess County, and Cornell University's Department of Natural Resources, with funding from the Environmental Protection Fund through the New York State Department of Environmental Conservation-Hudson River Estuary Program.



The Bedrock Geology Map above depicts the Town Boundary, Parcel Boundary, Taconic State Parkway, Major Roads, Local Roads, Waterbodies, Perennial Streams, Intermittent Streams, Wetlands, and Bedrock Formation i.e. Austin Glen Formation, Autochthonous Shale, Autochthonous Limestone and Taconic Sequence. The subject property is outlined in yellow. As shown on the map, the entirety of the subject property is located in the Taconic Sequence Bedrock Formation and is described as Sedimentary/Metamorphic: slate, graywacke, quartzite, and limestone. This condition is similar to surrounding properties.

# NRI Surficial Geology:



## Town of Washington

Dutchess County, NY

Natural Resources Inventory - 2023

### 6. Surficial Geology

- Washington Boundary
- Municipal Boundary
- Parcel Boundary
- Taconic State Parkway
- Major Road
- Local Road
- Waterbody
- Perennial Stream
- Intermittent Stream
- Wetland

#### Surficial Material

- Thin glacial till over bedrock
- Thick glacial till over bedrock
- Glacial Outwash (water laid sand, gravel, and silt or clay)
- Recent Alluvium
- Lake Sediments

#### DATA SOURCES

Municipal Boundaries: Dutchess County Real Property, 2022  
 Parcel Boundaries: Dutchess County Real Property, 2022  
 Roads: Dutchess County GIS, 2019  
 Streams & Waterbodies: Hydrolog, Inc. 2004  
 Wetlands: NYSDEC Regulatory Freshwater Wetlands, 2002  
 Geology: New York State Museum 1940

Prepared by: CCDC GIS Lab, 2022

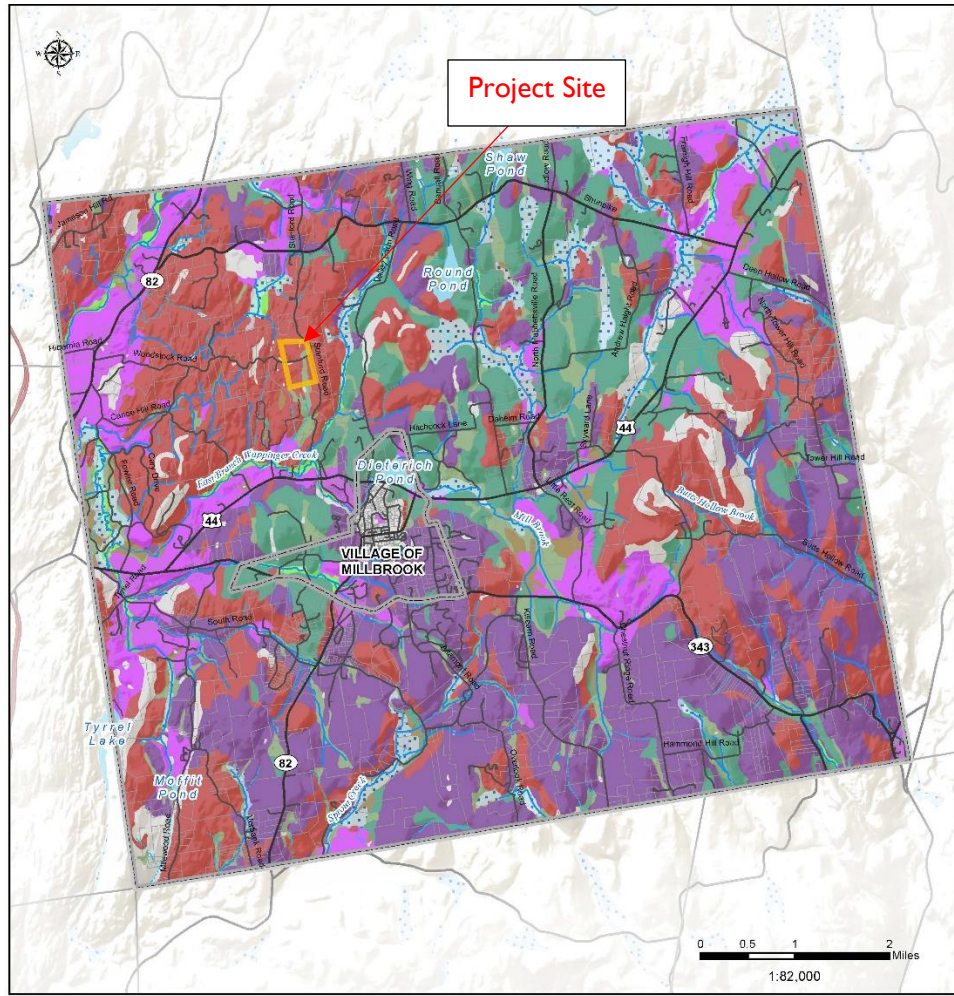
WARNING: This map is not a substitute for land surveys or legal documents. No accuracy or completeness guarantee is implied or intended.

The Dutchess County Natural Resources Inventory (NRI) Technical Assistance Project is a partnership among the Town of Otis, the Town of Washington, the Village of Millbrook, Cornell Cooperative Extension of Dutchess County, 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.



The Surficial Geology Map above depicts Town Boundary, Parcel Boundary, Taconic State Parkway, Major Roads, Local Roads, Waterbodies, Perennial Streams, Intermittent Streams, Wetlands, and Surficial Material i.e. This glacial till over bedrock, Thick glacial till over bedrock, Glacial outwash, Recent Alluvium and Lake Sediments. As shown on the map the subject site contains surficial material consisting of thin glacial till over bedrock and thick glacial till over bedrock. This condition is similar to other surrounding properties.

## NRI Hydrologic Soil Groups:

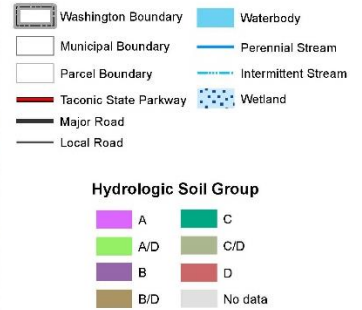


## Town of Washington

Dutchess County, NY

Natural Resources Inventory - 2023

### 7. Hydrologic Soil Groups



#### DATA SOURCES

Municipal Boundaries: Dutchess County Real Property, 2022  
 Parcel Boundaries: Dutchess County Real Property, 2022  
 Roads: Dutchess County OCIS, 2019  
 Streams & Waterbodies: Hydrology, 1st 2004  
 Wetlands: NYSDAC Realistorsy Freshwater Wetlands, 2002  
 Hydrologic Soil Group: USDA Web Soil Survey

Prepared by: CCEDC GIS Lab, 2022

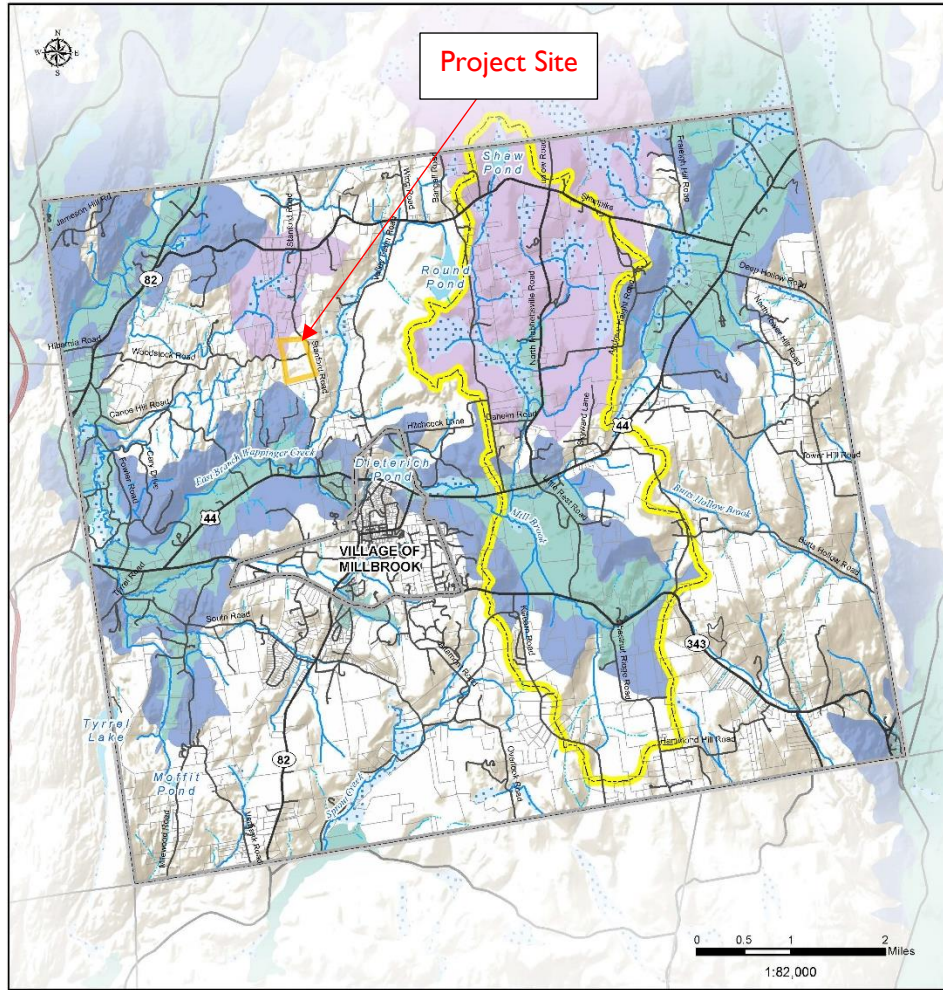
WARNINGS: This map is not a substitute for any surveys or legal documents. No accuracy or completeness guarantee is implied or intended.

The Dutchess County Natural Resources Inventory (NRI) Technical Assistance Project is a partnership among the Town of Clinton, the Town of Washington, the Village of Millbrook, Cornell Cooperative Extension of Dutchess County, 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.



The Hydrologic Soil Groups Map above depicts Town Boundary, Parcel Boundary, Taconic State Parkway, Major Roads, Local Roads, Waterbodies, Perennial Streams, Intermittent Streams, Wetlands, and Hydrologic Soil Groups i.e. A, A/D, B, B/D, C, C/D, D and areas of No Data. The subject property is outlined in orange. As shown on the map the majority of the subject property contains hydrologic soils type D and type C. This condition is similar to other surrounding properties. Although the NRI maps classified the soils as C and D, the USDA Soils Map identified the majority of the soils as part of a gravelly rocky mix with rolling hills. These types of soil are common and will support the design and construction of a septic system meeting code. Furthermore, each proposed lot in the subdivision is 5-acres or greater and the DCDOH has determined that an acceptable septic location can be found on any lot 5-acres or greater in size.

# NRI Drinking Water Resources:



## Town of Washington Dutchess County, NY

Natural Resources Inventory - 2023

### 8. Drinking Water Resources

- Washington Boundary
- Municipal Boundary
- Parcel Boundary
- Taconic State Parkway
- Major Road
- Local Road
- Waterbody
- Perennial Stream
- Intermittent Stream
- Wetland

#### Aquifer Recharge Areas

- 1- Primary Recharge— permeable deposits, directly overlying aquifer
- 2- Secondary Recharge— less permeable deposits, up gradient from aquifer, contributes to recharge through infiltration and groundwater flow
- 3- Tertiary Recharge - contributing area around streams that will subsequently seep into aquifer through infiltration

Village of Millbrook Drinking Water Source Watershed

#### DATA SOURCES

Municipal Boundaries: Dutchess County Real Property, 2022  
 Parcel Boundaries: Dutchess County Real Property, 2022  
 Roads: Dutchess County OCIS, 2016  
 Streams & Wetlands: HydroCAD, 2004  
 Wetlands: NYSDEC Regulatory Freshwater Wetlands, 2000  
 Aquifer Recharge Areas: Water Supply Protection Program for Dutchess County, 1982  
 Drinking Water Source Watershed: NYSDEC, 2006

Prepared by: CCCEDC GIS Lab, 2022

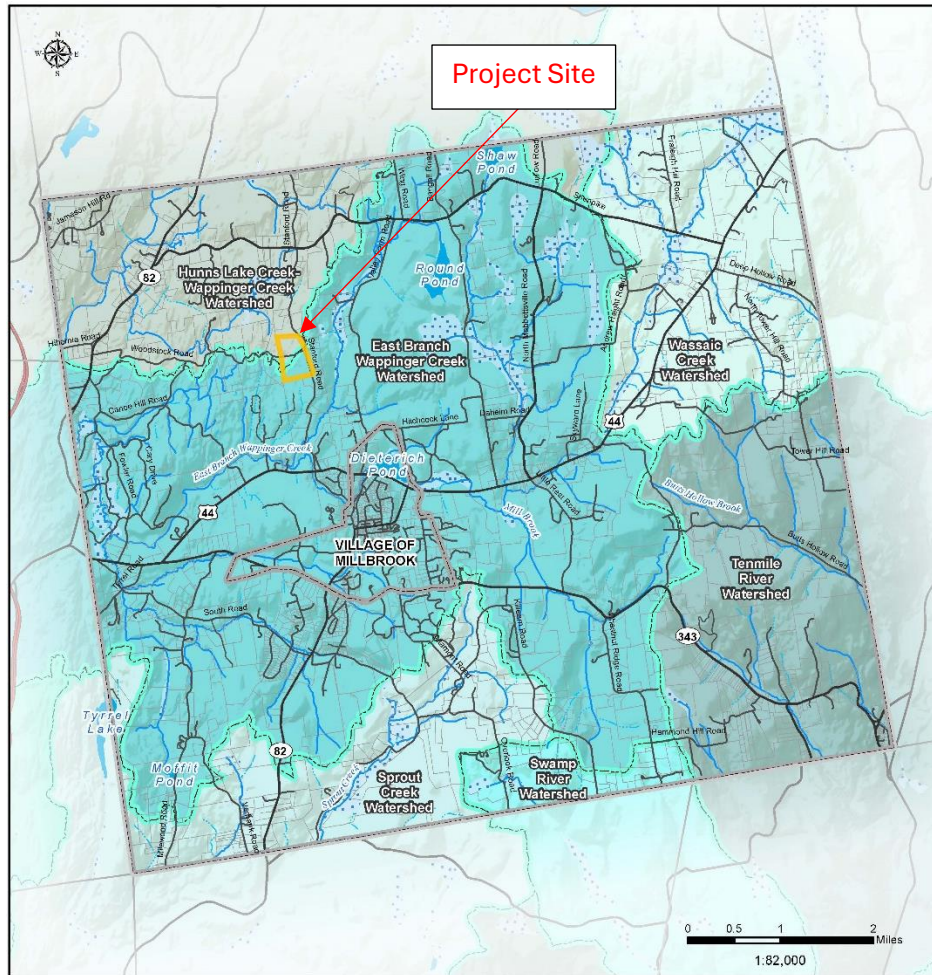
WARNING: This map is not a substitute for land surveys or local documents. No accuracy or completeness guarantee is implied or intended.

The Dutchess County Natural Resources Inventory (NRI) Technical Assistance Project is a partnership among the Town of Clinton, the Town of Washington, the Village of Millbrook, Cornell Cooperative Extension of Dutchess County, and Cornell University's Department of Natural Resources, with funding from the International Production Fund through the New York State Department of Environmental Conservation Hudson River Estuary Program.



The Drinking Water Resources Map above depicts the Town Boundary, Parcel Boundary, Taconic State Parkway, Major Roads, Local Roads, Waterbodies, Perennial Streams, Intermittent Streams, Wetlands, and Aquifer Recharge Areas i.e. Primary Recharge, Secondary Recharge, and Tertiary Recharge. The map also shows the Village of Millbrook Drinking Water Source Watershed. The subject property is outlined in orange. As shown on the map, a small portion of the northwest corner of the property is within the Tertiary Recharge Aquifer Area. This area is described as a contributing area around the streams that will subsequently seep into the aquifer through infiltration. The proposed project would include the installation of three wells for the lots proposed with newly constructed dwellings and have little to no impact on the aquifer.

# NRI Streams & Watersheds :



## Town of Washington Dutchess County, NY

Natural Resources Inventory - 2023

### 9. Streams & Watersheds

- Washington Boundary
- Municipal Boundary
- Parcel Boundary
- Taconic State Parkway
- Major Road
- Local Road
- Waterbody
- Perennial Stream
- Intermittent Stream
- Wetland

DATA SOURCES

Municipal Boundaries: Dutchess Co. City Real Property, 2022  
 Parcel Boundaries: Dutchess Co. City Real Property, 2022  
 Roads: Dutchess County GIS, 2016  
 Streams & Watersheds: International, 1994  
 Wetlands: NYSDEC Regulatory Freshwater Wetlands, 2002  
 Watersheds: National Hydrography Dataset, 2017

Prepared by: ICEDC GIS Lab, 2022

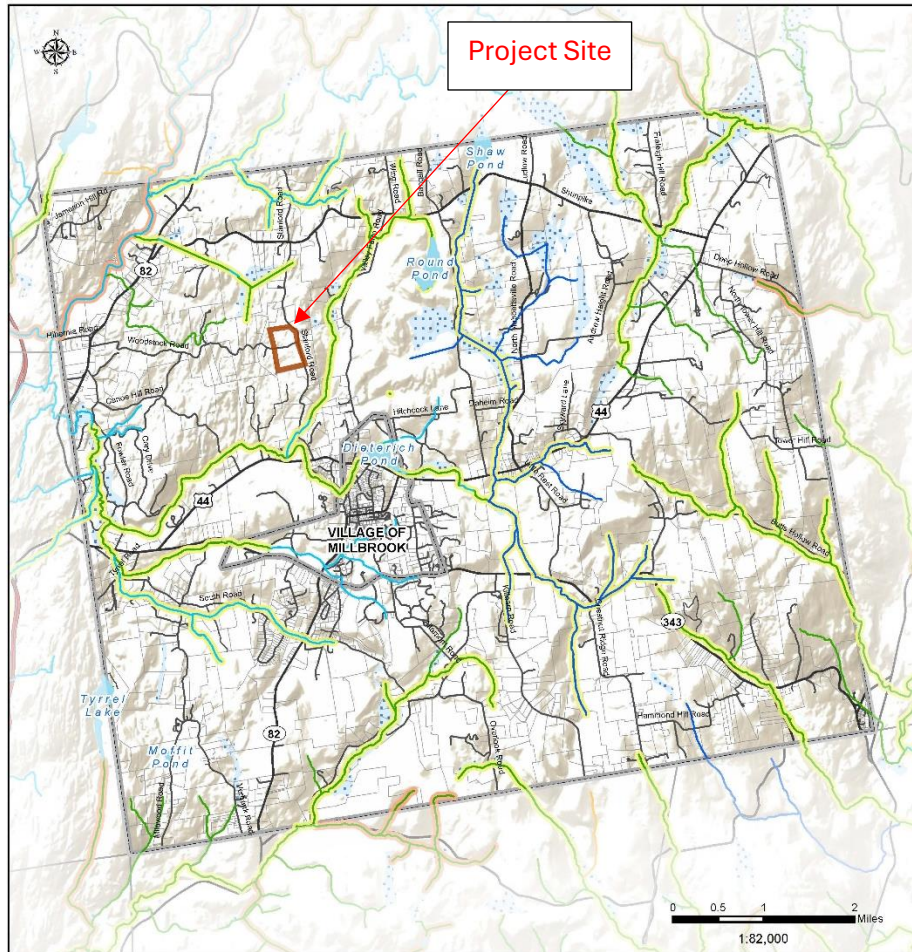
WARNING: This map is not a substitute for land surveys or legal documents. No accuracy or completeness guarantee is implied or intended.

The Dutchess County Natural Resources Inventory (NRI) Technical Assistance Project is a partnership among the Town of Otisville, the Town of Oyster Bay, the Village of Millbrook, Cornell Cooperative Extension of Dutchess County, and Cornell University's Department of Natural Resources, with funding from the Environmental Protection Fund through the New York State Department of Environmental Conservation Hudson River Estuary Program.



The Streams & Watersheds Map above depicts Town Boundary, Parcel Boundary, Taconic State Parkway, Major Roads, Local Roads, Waterbodies, Perennial Streams, Intermittent Streams, Wetlands. The subject property is outlined in yellow. This map shows waterbodies and an intermittent stream on the Clear property. However, site specific study has concluded that there are no streams on the property. See Michael Fishman’s Habitat and Biodiversity report, and Wetland Delineation Report. Several other Town NRI Maps agree with Mr. Fishman’s conclusion and do not designate any streams as being located on the property.

# NRI Water Quality Classifications:



## Town of Washington

Dutchess County, NY

Natural Resources Inventory - 2023

### 10. Water Quality Classifications

- Washington Boundary
- Municipal Boundary
- Parcel Boundary
- Taconic State Parkway
- Major Road
- Local Road
- Waterbody
- Perennial Stream
- Intermittent Stream
- Wetland

#### Stream Classification

- A - water supply, primary and secondary contact recreation and fishing
- B - primary and secondary contact recreation and fishing
- C - fishing, suitable for fish propagation and survival
- D - fishing
- Trout Waters
- Trout Spawning Waters

#### DATA SOURCES

Municipal Boundaries: Dutchess County Real Property, 2022  
 Parcel Boundaries: Dutchess County Real Property, 2022  
 Streets: Dutchess County GIS, 2016  
 Streams & Waterbodies: Hudsonia, Inc. 2004  
 Watershed: NYDEC Regulatory Freshwater Watershed, 2002  
 Water Quality Classifications: NYDEC, 2010

Prepared by: CCEDCO GIS Lab, 2022

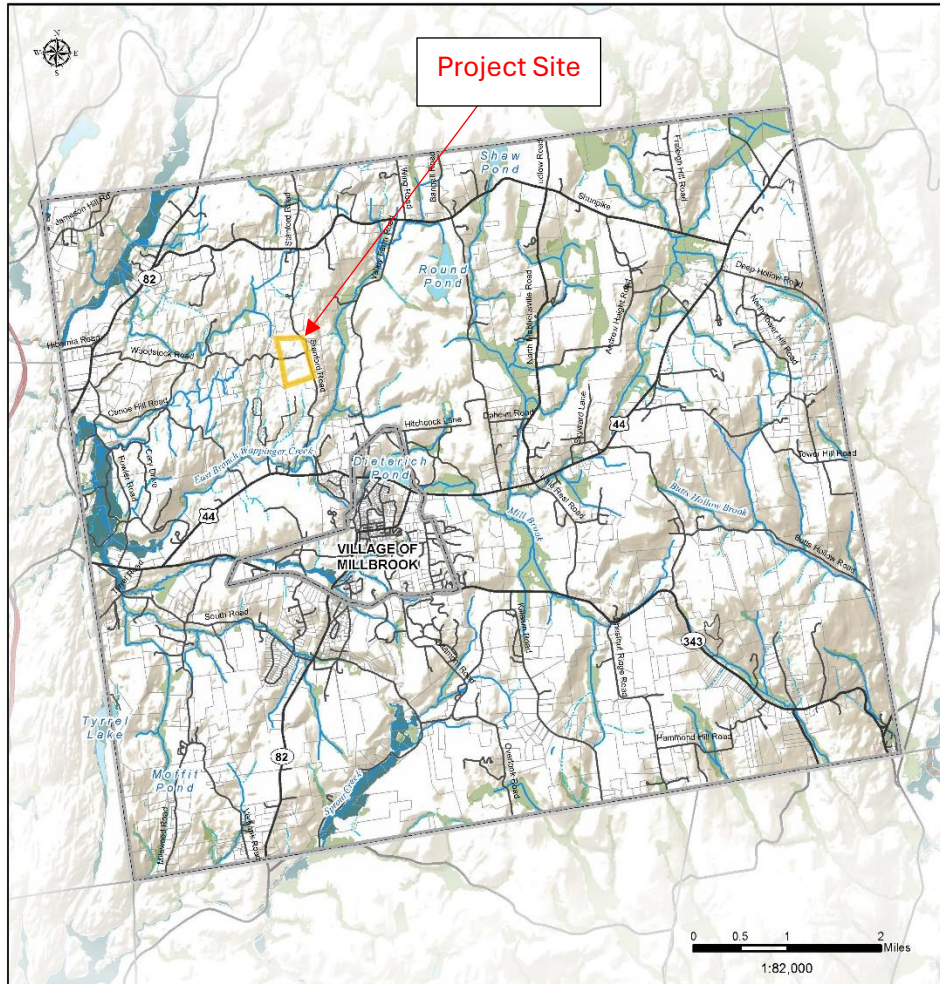
WARNING: This map is not a substitute for land surveys or legal documents. No accuracy or completeness guarantee is implied or intended.

The Dutchess County Natural Resources Inventory (NRI) Technical Assistance Project is a partnership among the Town of Washington, the Town of Washington, the Village of Millbrook, Cornell Cooperative Extension of Dutchess County, 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.



The Water Quality Classifications Map above depicts Town Boundary, Parcel Boundary, Taconic State Parkway, Major Roads, Local Roads, Waterbodies, Perennial Streams, Intermittent Streams, Wetlands, and Stream Classification i.e. A, B, C, D, Trout Waters and Trout Spawning Waters. The subject property is outlined in brown. As shown on the map the subject property does not contain any streams.

# NRI Floodplains & Riparian Areas



## Town of Washington

Dutchess County, NY

Natural Resources Inventory - 2023

### 11. Floodplains & Riparian Areas

- Washington Boundary
- Municipal Boundary
- Parcel Boundary
- Taconic State Parkway
- Major Road
- Local Road
- Waterbody
- Perennial Stream
- Intermittent Stream
- Riparian Area
- FEMA Flood Hazard Zones**
- Floodway
- 1% annual chance (100-year flood)

#### DATA SOURCES

Municipal Boundaries: Dutchess County Real Property, 2022  
 Parcel Boundaries: Dutchess County Real Property, 2022  
 Roads: Dutchess County GIS, 2016  
 Streams & Microstreams: Aerials, Ltd., 2004  
 Flood Areas: FEMA CF-FM, (Effective May 2012)  
 Riparian Areas: New York Nature Heritage Program, 2016

Prepared by: CGEDC GIS Lab, 2022

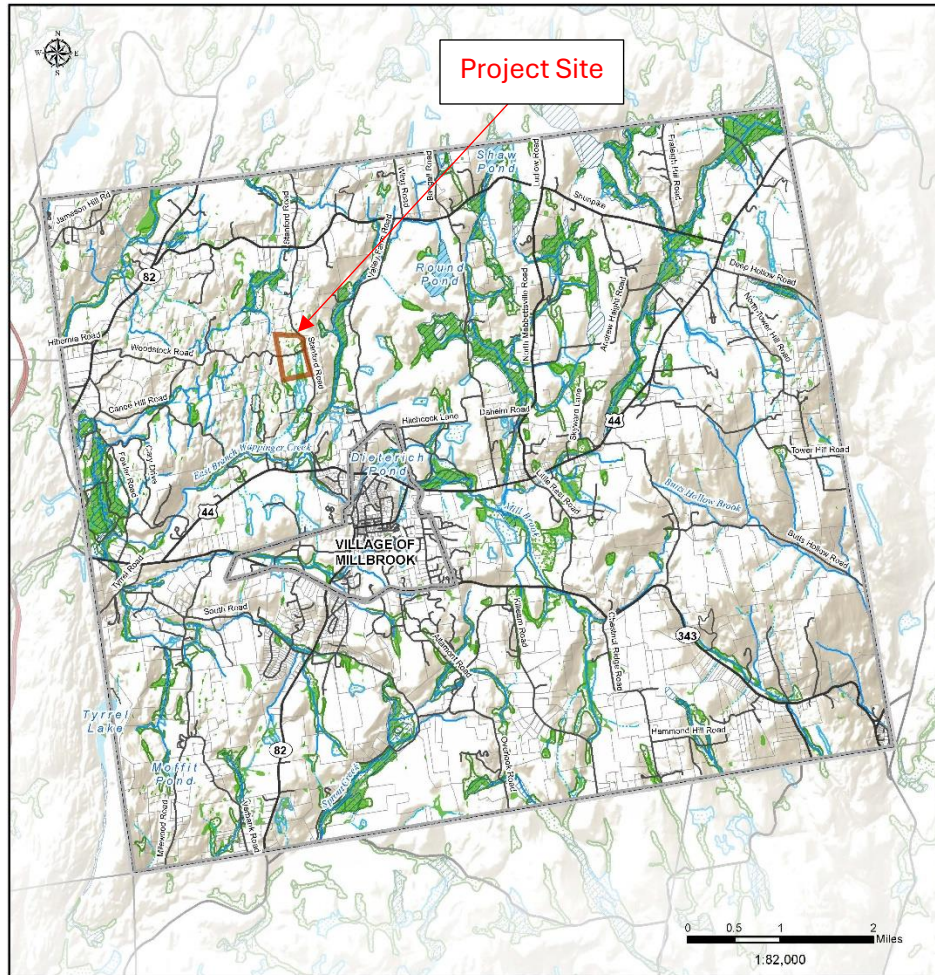
WARNING: This map is not a substitute for field surveys or legal documents. No accuracy or completeness guarantee is implied or intended.

The Dutchess County Natural Resources Inventory (NRI) Technical Assistance Project is a partnership among the Town of Clinton, the Town of Washington, the Village of Millbrook, Cornell College of the Extension of Dutchess County, 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.



The Floodplain & Riparian Areas Map above depicts Town Boundary, Parcel Boundary, Taconic State Parkway, Major Roads, Local Roads, Waterbodies, Perennial Streams, Intermittent Streams, Wetlands, Riparian Areas and FEMA Flood Hazard Zones i.e. Floodways and 1% annual chance (100-year flood). The subject property is outlined in yellow. As shown on the map the subject property is not within the Riparian Area or FEMA Flood Hazard Zones. The site-specific analysis by Mr. Fishman concurred with this conclusion.

# NRI Wetlands:



## Town of Washington

Dutchess County, NY

Natural Resources Inventory - 2023

### 12. Wetlands

- Washington Boundary
- Municipal Boundary
- Parcel Boundary
- Taconic State Parkway
- Major Road
- Local Road
- Waterbody
- Perennial Stream
- Intermittent Stream
- DEC Regulatory Wetland
- Wetland (Hudsonia)
- Probable wetland area
- Possible wetland area

#### DATA SOURCES

Municipal Boundaries: Dutchess County Real Property, 2022  
 Parcel Boundaries: Dutchess County Real Property, 2022  
 Roads: Dutchess County GIS, 2019  
 Wetlands: NYSDCC Regulatory Freshwater Wetlands, 2000 & Hudsonia 1:62,000  
 Probable & Possible Wetlands: USDA Soil Conservation Service 1:50,000

Prepared by: CCEDC GIS Lab, 2022

WARNING: This map is not a substitute for land surveys or legal documents. No accuracy or completeness guarantee is implied or intended.

The Dutchess County Natural Resources Inventory (NRI) Technical Assistance Project is a partnership among the Town of Catskill, the Town of Washington, the Village of Millbrook, Cornell Cooperative Extension of Dutchess County, 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.

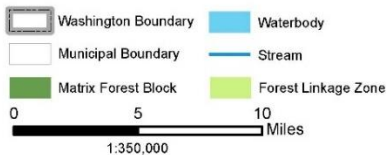
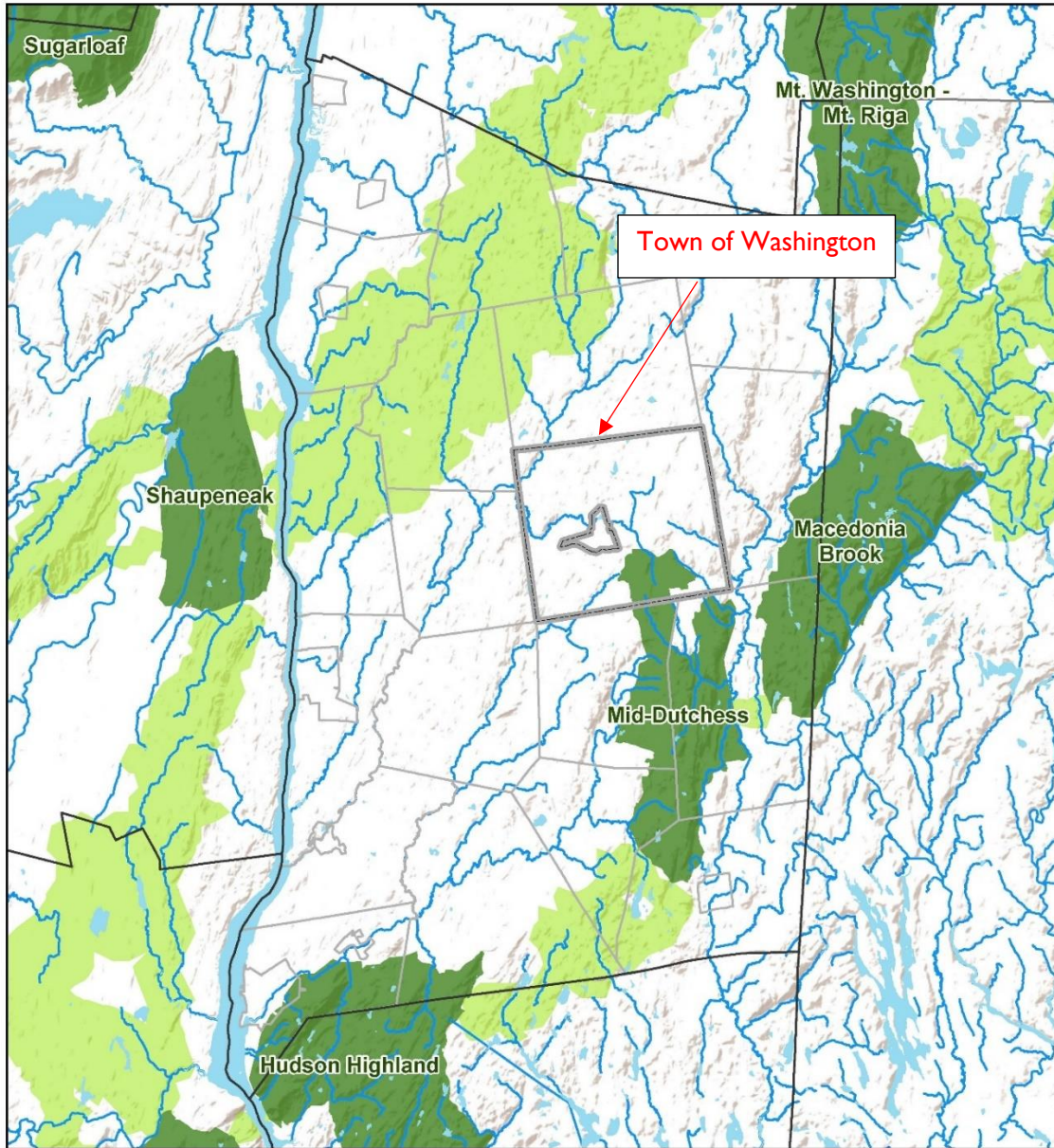


The Wetlands Map above depicts Town Boundary, Parcel Boundary, Taconic State Parkway, Major Roads, Local Roads, Waterbodies, Perennial Streams, Intermittent Streams, and Wetlands i.e. DEC Regulatory Wetland, Wetland (Hudsonia), Probable wetland area, Possible wetland area. The subject site is outlined in brown. As shown on the map the subject property contains probable wetland area and possible wetland area. A site-specific wetland delineation was performed by Michael Fishman of Edgewood Environmental Consulting, LLC. Fishman's Wetland Delineation Report is part of applicant's subdivision application. This site-specific delineation is shown on the proposed preliminary plat and also on the constraints map provided within this submission.



# NRI Regional Forests:

None present on project site. See below map.



## Town of Washington Including Village of Millbrook

Dutchess County, NY

Natural Resources Inventory - 2023

### 13. Regional Forests

The Dutchess County Natural Resources Inventory (NRI) Technical Assistance Project is a partnership among the Town of Clinton, the Town of Washington, the Village of Millbrook, Cornell Cooperative Extension of Dutchess County, 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.

Prepared by: CCEDC GIS Lab, 2023

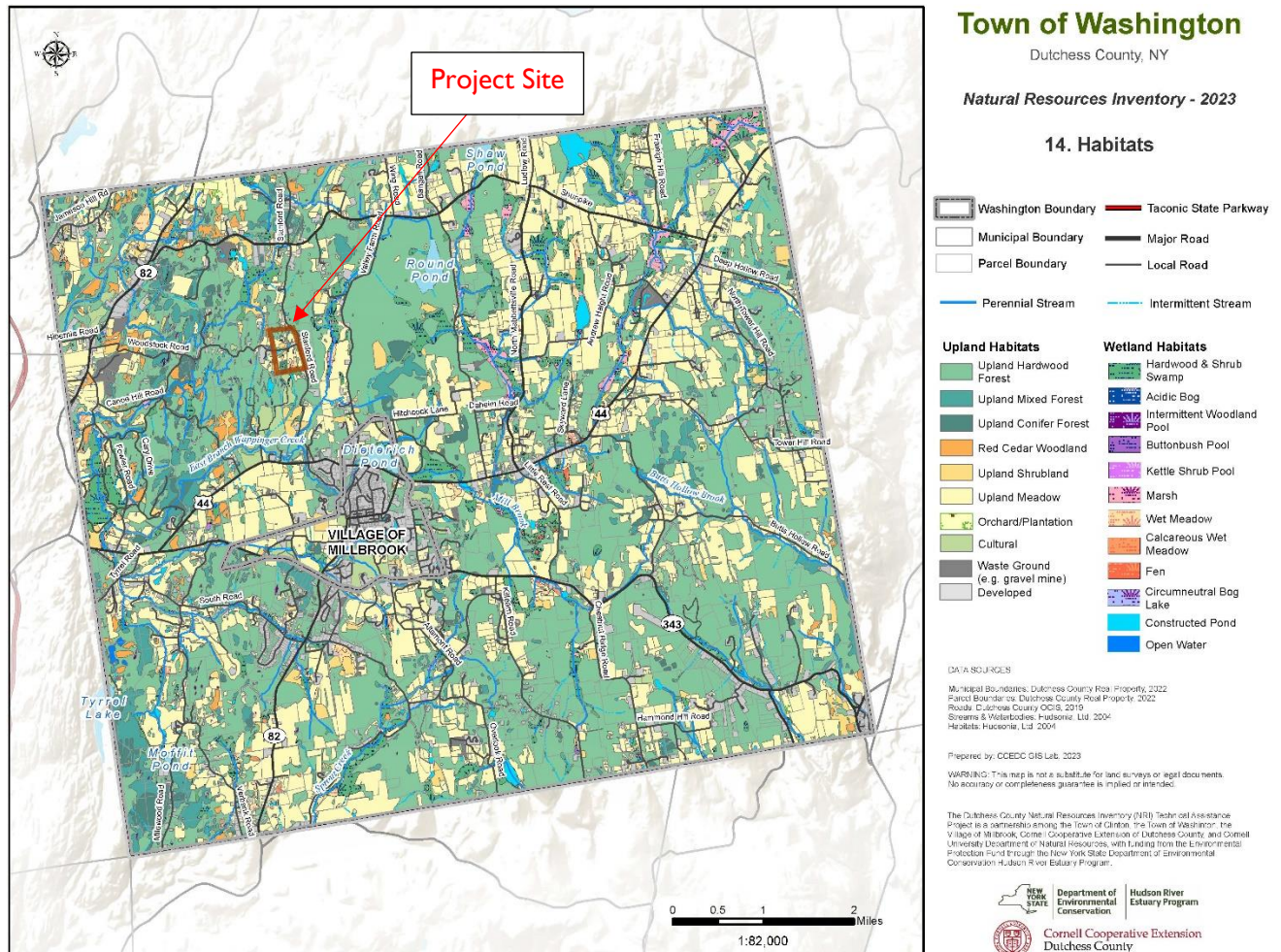
WARNING: This map is not a substitute for land surveys or legal documents. No accuracy or completeness guarantee is implied or intended.

#### DATA SOURCES

Municipal Boundaries: Dutchess County Real Property, 2022  
Streams and Waterbodies: National Hydrography Dataset  
Matrix Forest Blocks & Linkages: The Nature Conservancy & NY Natural Heritage Program, 2006

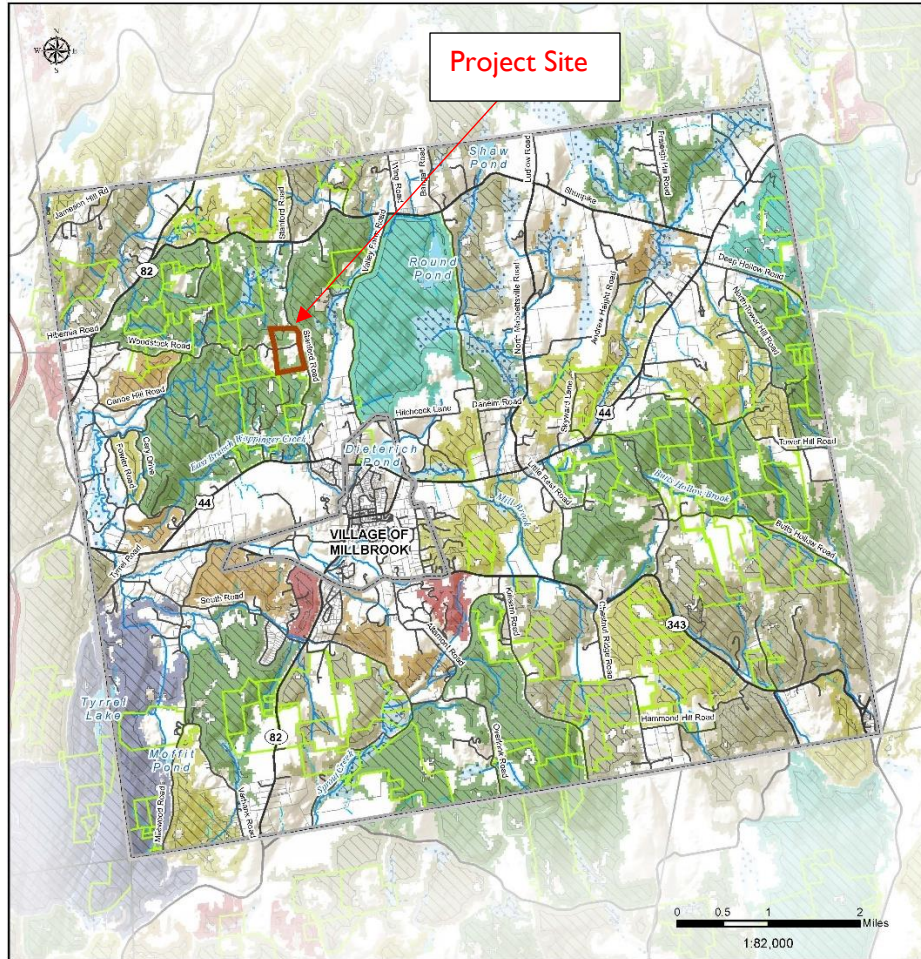


## NRI Habitats:



The Habitats Map above depicts Town Boundary, Parcel Boundary, Taconic State Parkway, Major Roads, Local Roads, Waterbodies, Perennial Streams, Intermittent Streams, and Upland and Wetland Habitats such as; Upland Hardwood Forest, Upland Mixed Forest, Upland Conifer Forest, Red Cedar Woodland, Upland Shrubland, Upland Meadow, Orchard/Plantation, Cultural, Waste Ground, Developed, Hardwood & Shrub Swamp, Acidic Bog, Intermittent Woodland Pool, Buttonbush Pool, Kettle Shrub Pool, March, Wet Meadow, Calcareous Wet Meadow, Fen, Circumneutral Bog Lake, Constructed Pond and Open Water. The subject property is outlined in dark brown. The map shows the subject property as including upland and wetland habitats. A site-specific habitat and diversity study by wetland biologist Michael Fishman more fully describes the species and habitat areas found on the site.

# NRI Large Forests:

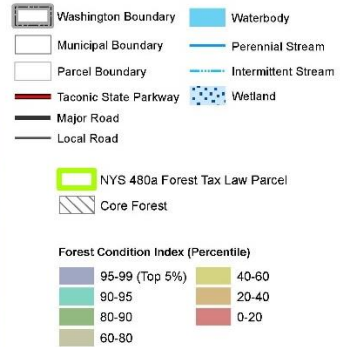


## Town of Washington

Dutchess County, NY

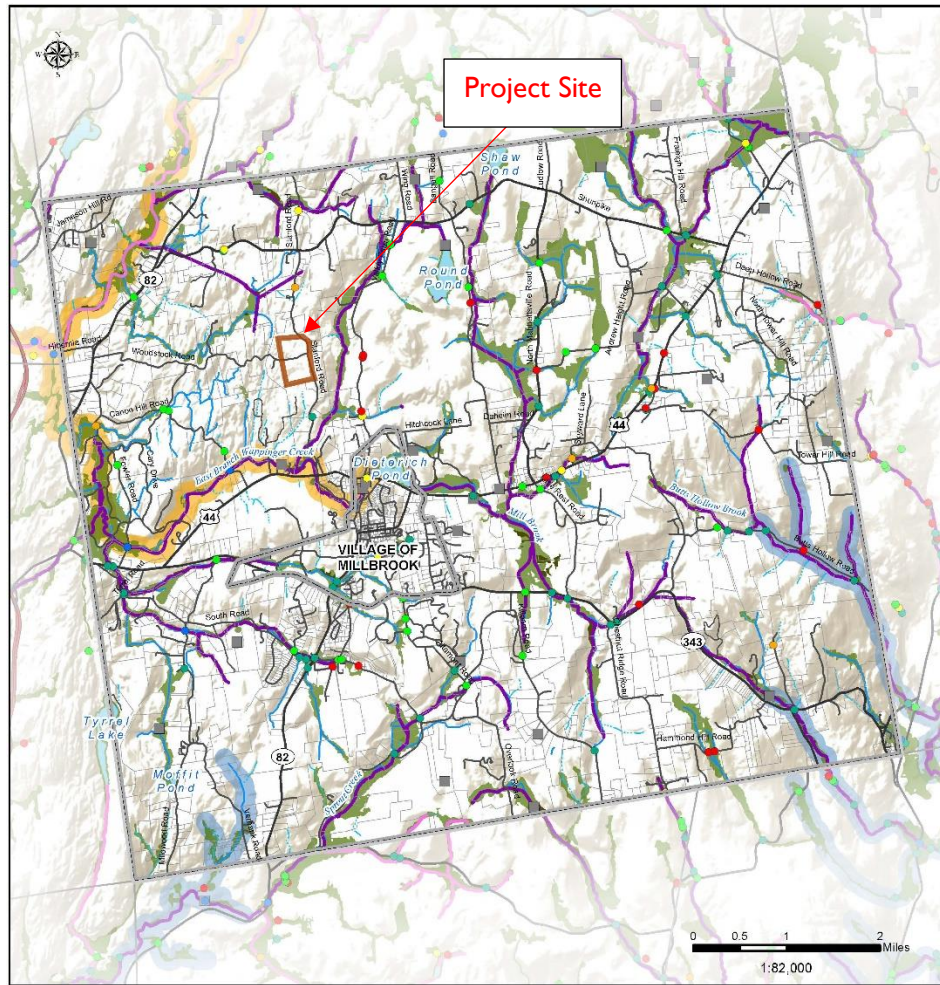
Natural Resources Inventory - 2023

### 15. Large Forests



The Large Forests Map above depicts Town Boundary, Parcel Boundary, Taconic State Parkway, Major Roads, Local Roads, Waterbodies, Perennial Streams, Intermittent Streams, Wetlands, NYS 480a Forest Tax Law Parcel, Core Forest, and Forest Condition Index (%) i.e. 95-99, 90-95, 80-90, 60-80, 40-60, 20-40, and 0-20. The subject property is outlined in dark brown. As shown on the map a portion of the subject property Forest Condition Index is 80-90%. See Constraints Map for information on areas of disturbance.

# NRI Stream Habitats:

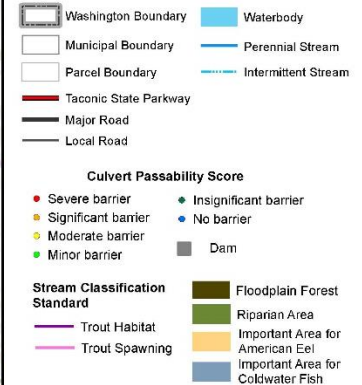


## Town of Washington

Dutchess County, NY

Natural Resources Inventory - 2023

### 16. Stream Habitats



**DATA SOURCES:**

Municipal Boundaries: Dutchess County Real Property, 2022  
 Parcel Boundaries: Dutchess County Real Property, 2022  
 Roads: Dutchess County OCIS, 2019  
 Cuivella, N/AACD, 2020  
 Cams: NYSDOC, 2019  
 Streams & Waterbodies: Hudsonic, Ltd. 2007  
 Stream Classification Standard: NYSDOC, 2010  
 Floodplain: Fovels: Farmacops Ecology Program, 2010  
 Riparian Areas & Important Areas: New York Natural Heritage Program, 2019

Prepared by: CCEDC GIS Lab, 2023

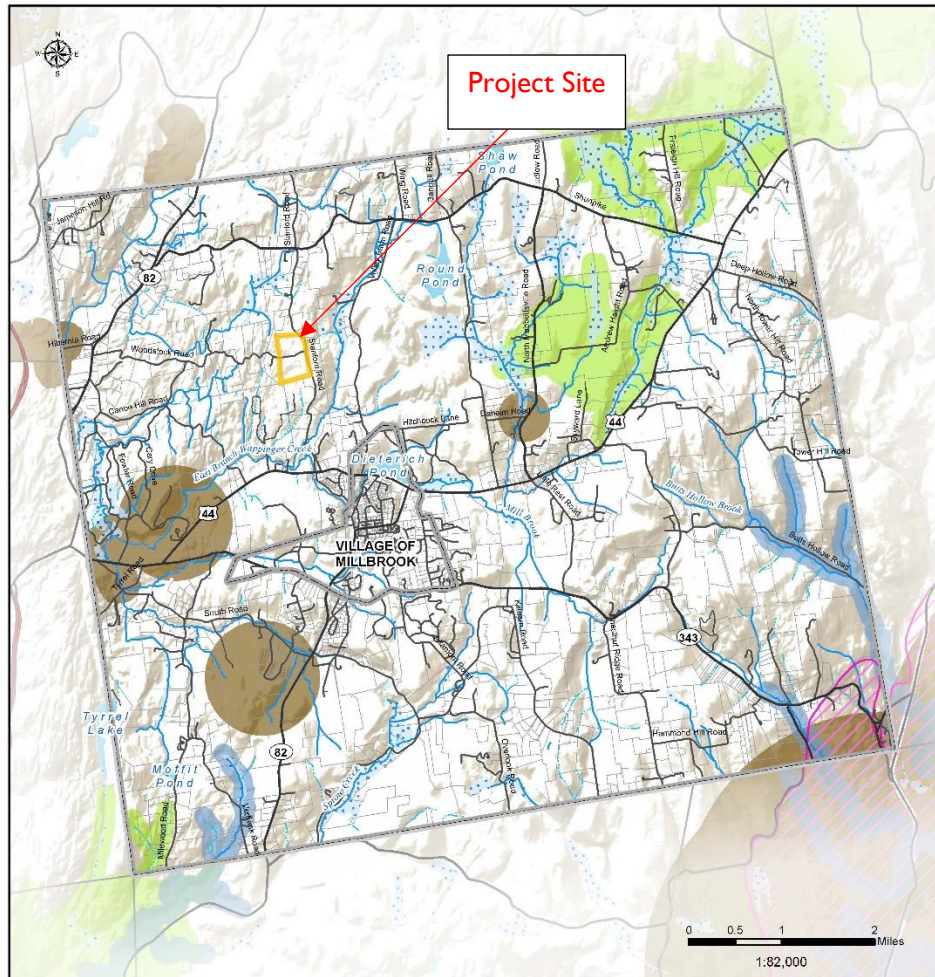
WARNING: This map is not a substitute for land surveys or legal documents. No accuracy or completeness guarantee is implied or intended.

The Dutchess County Natural Resources Inventory (NRI) Technical Assistance Project is a partnership among the Town of Clinton, the Town of Washington, the Village of Millbrook, Cornell Cooperative Extension of Dutchess County, 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.



The Stream Habitats Map above depicts Town Boundary, Parcel Boundary, Taconic State Parkway, Major Roads, Local Roads, Waterbodies, Perennial Streams, Intermittent Streams, Wetlands, Culvert Passability Score showing dams and ranging from no barrier to severe barrier, and Stream Classification Standard i.e. Trout Habitat, Trout Spawning, Floodplain Forest, Riparian Area, Important for American Eel, Important Area for Coldwater Fish. The subject property is outlined in dark brown. As shown on the map, no stream habitats exist on the property.

# NRI Important Biodiversity Areas:



## Town of Washington Dutchess County, NY

Natural Resources Inventory - 2023

### 17. Important Biodiversity Areas

- Washington Boundary
- Municipal Boundary
- Parcel Boundary
- Taconic State Parkway
- Major Road
- Local Road
- Waterbody
- Perennial Stream
- Intermittent Stream
- Wetland
- Harlem Valley Calcareous Wetlands Significant Biodiversity Area (SBA)
- Important Coldwater Stream Habitat
- Important Area for Rare Terrestrial Animals
- Important Area for Rare Wetland Animals

**DATA SOURCES**

Municipal Boundaries: Dutchess County Real Property, 2022  
 Parcel Boundaries: Dutchess County Real Property, 2022  
 Roads: Dutchess County GIS, 2019  
 Streams & Waterbodies: Hydrobas, s.c., 2004  
 Wetlands: NYSDEC Regulatory Freshwater Wetlands, 2002  
 Significant Biodiversity Areas: NYSDEC, 2008  
 Important Areas: NY Natural Heritage Program, 2016

Prepared by: COEDC GIS Lab, 2023

**WARNING:** This map is not a substitute for land surveys or legal documents. No accuracy or completeness guarantee is implied or warranted.

The Dutchess County Natural Resources Inventory (NRI) Technical Assistance Project is a partnership among the Town of Coxsack, the Town of Basherden, the Village of Millbrook, Cornell Cooperative Extension of Dutchess County, 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.



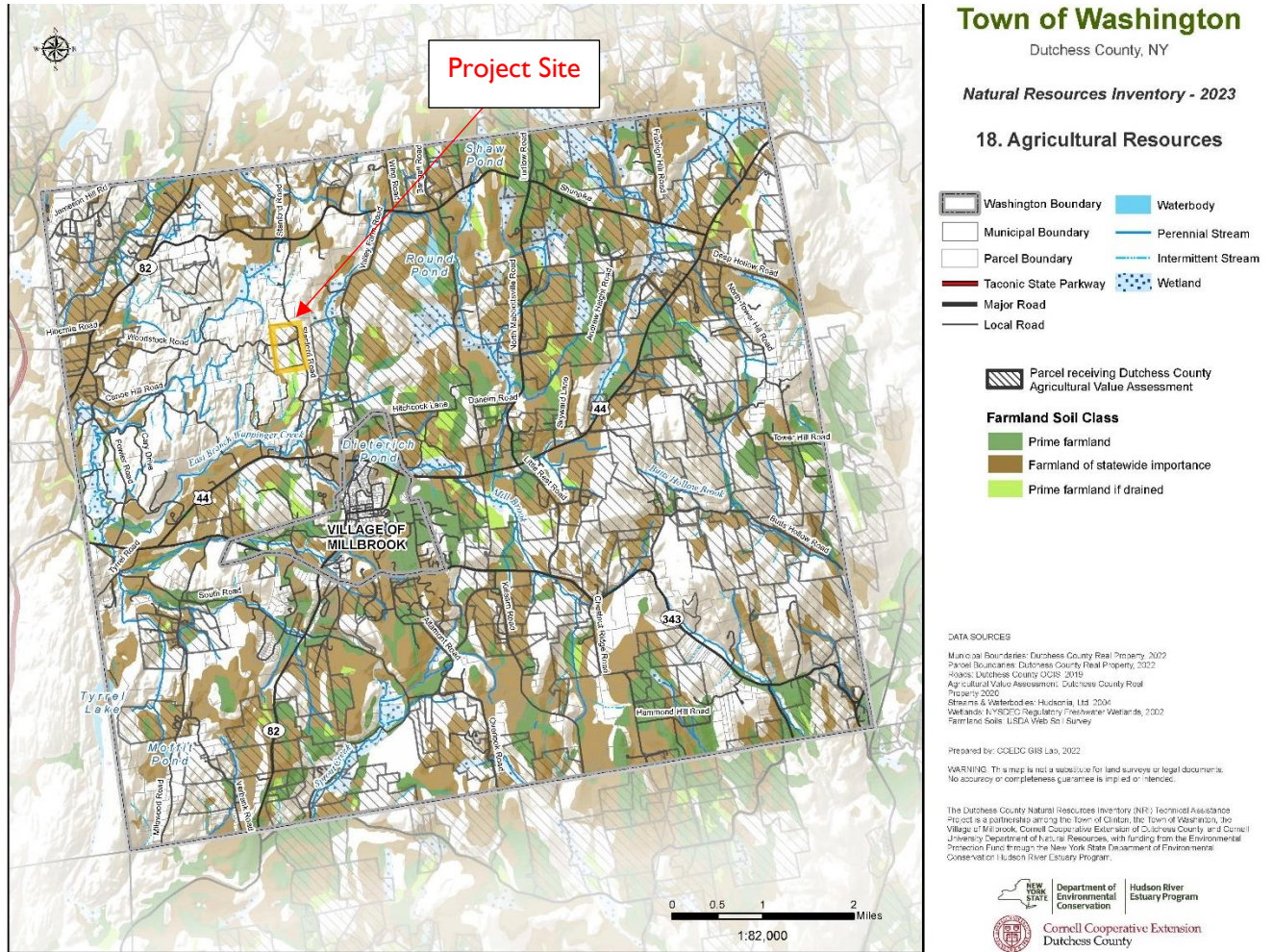
Department of Environmental Conservation  
Hudson River Estuary Program



Cornell Cooperative Extension  
Dutchess County

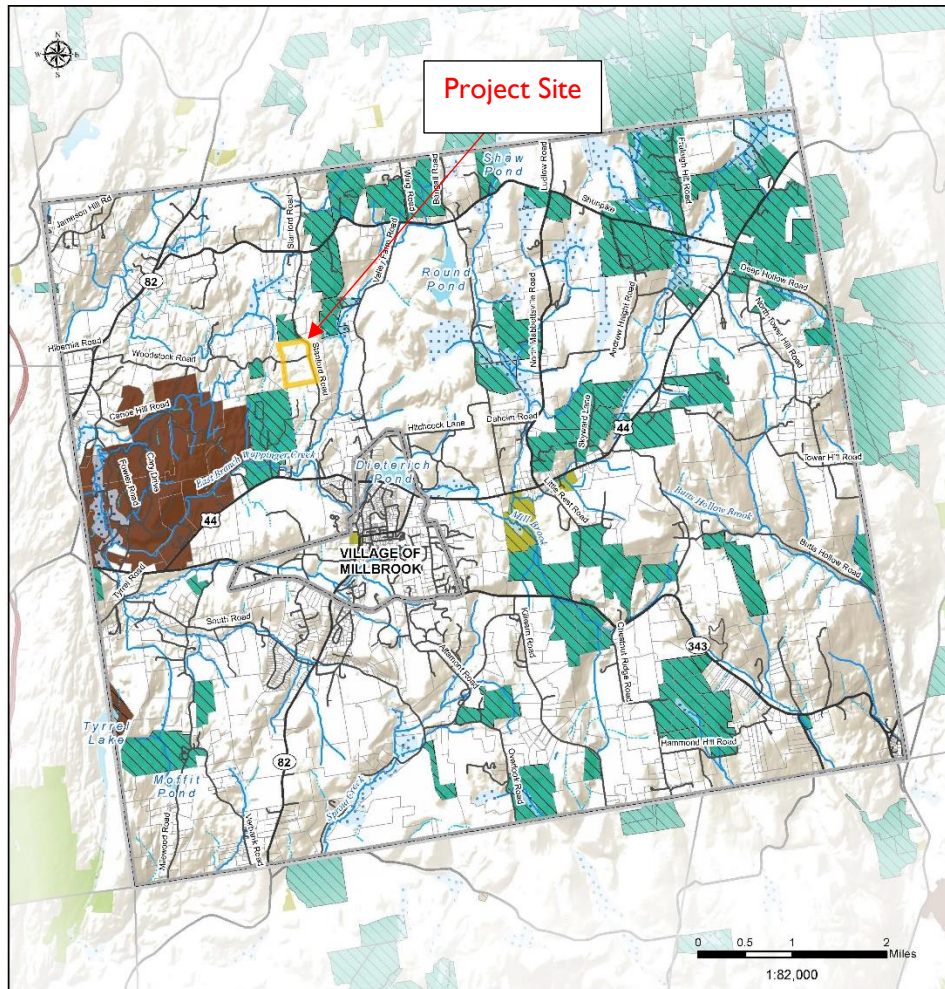
The Important Biodiversity Areas Map above depicts Town Boundary, Parcel Boundary, Taconic State Parkway, Major Roads, Local Roads, Waterbodies, Perennial Streams, Intermittent Streams, Wetlands, and Important Biodiversity Areas i.e. Harlem Valley Calcareous Wetlands Significant Biodiversity Area (SBA), Important Coldwater Stream Habitat, Important Rare Terrestrial Animals and Important Area for Rare Wetland Animals. The subject property is outlined in orange. No Important Biodiversity Areas are shown on the subject property. A site-specific habitat and biodiversity study has been prepared by Michael Fishman CWB, FTWS, which assesses the habitat and biodiversity on the Clear property.

# NRI Agricultural Resources:



The Agricultural Resource Map above depicts the Town Boundary, Parcel Boundary, Taconic State Parkway, Major Roads, Local Roads, Waterbodies, Perennial Streams, Intermittent Streams, Wetland, and Farmland Soil Classes i.e. Prime farmland, Farmland of statewide importance and Prime farmland if drained. The subject property is outlined in yellow. As shown on the map, the property contains some Farmland of statewide importance and Prime if drained soils, constituting less than 20% of the parcel. . The majority of the soils identified as agricultural are located within wetlands and are not in constructable areas or proposed constructable areas. See Constraints Map. The existing farmhouse complex is located in an area containing Soils of Statewide importance. However, none of the proposed building envelopes on lots 1, 2 and 5 are within areas containing soils of either classification. See proposed preliminary subdivision plat and designated building envelopes on Constraints Map.

# NRI Conservation & Public Land:



## Town of Washington

Dutchess County, NY

Natural Resources Inventory - 2023

### 19. Conservation & Public Land

- Washington Boundary
- Municipal Boundary
- Parcel Boundary
- Taconic State Parkway
- Major Road
- Local Road
- Waterbody
- Perennial Stream
- Intermittent Stream
- Wetland
- Nonprofit Organization
- Town/Village property
- Conservation Easement
- No Public Access

**DATA SOURCES**

Municipal Boundaries: Dutchess County Real Property, 2022  
 Parcel Boundaries: Dutchess County Real Property, 2022  
 Roads: Dutchess County OCIS, 2019  
 Streams & Waterbodies: Hudsons, Ltd. 2004  
 Wetlands: NYDEC's Regulatory Freshwater Wetlands, 2002  
 Conservation Lands: NYPA's 2017, State of Hudson 2020  
 Watershed Land Trust 2020, & Dutchess Land Conservancy 2023

Prepared by: CCEDC GIS Lab, 2022

**WARNING:** This map is not a substitute for land surveys or legal documents. No accuracy or completeness guarantee is implied or intended.

The Dutchess County Natural Resources Inventory (NRI) Technical Assistance Project is a partnership among the Town of Clinton, the Town of Washington, the Village of Millbrook, Cornell Cooperative Extension of Dutchess County, 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.



The Conservation & Public Land Map above depicts the Town Boundary, Parcel Boundary, Taconic State Parkway, Major Roads, Local Roads, Waterbodies, Perennial Streams, Intermittent Streams, Wetlands and, Publica and Protected Lands i.e. Nonprofit Organization, Town/Village property, Conservation Easement and No Public Access. The property is outlined in yellow. As shown on the map the subject property is not conservation or public land.