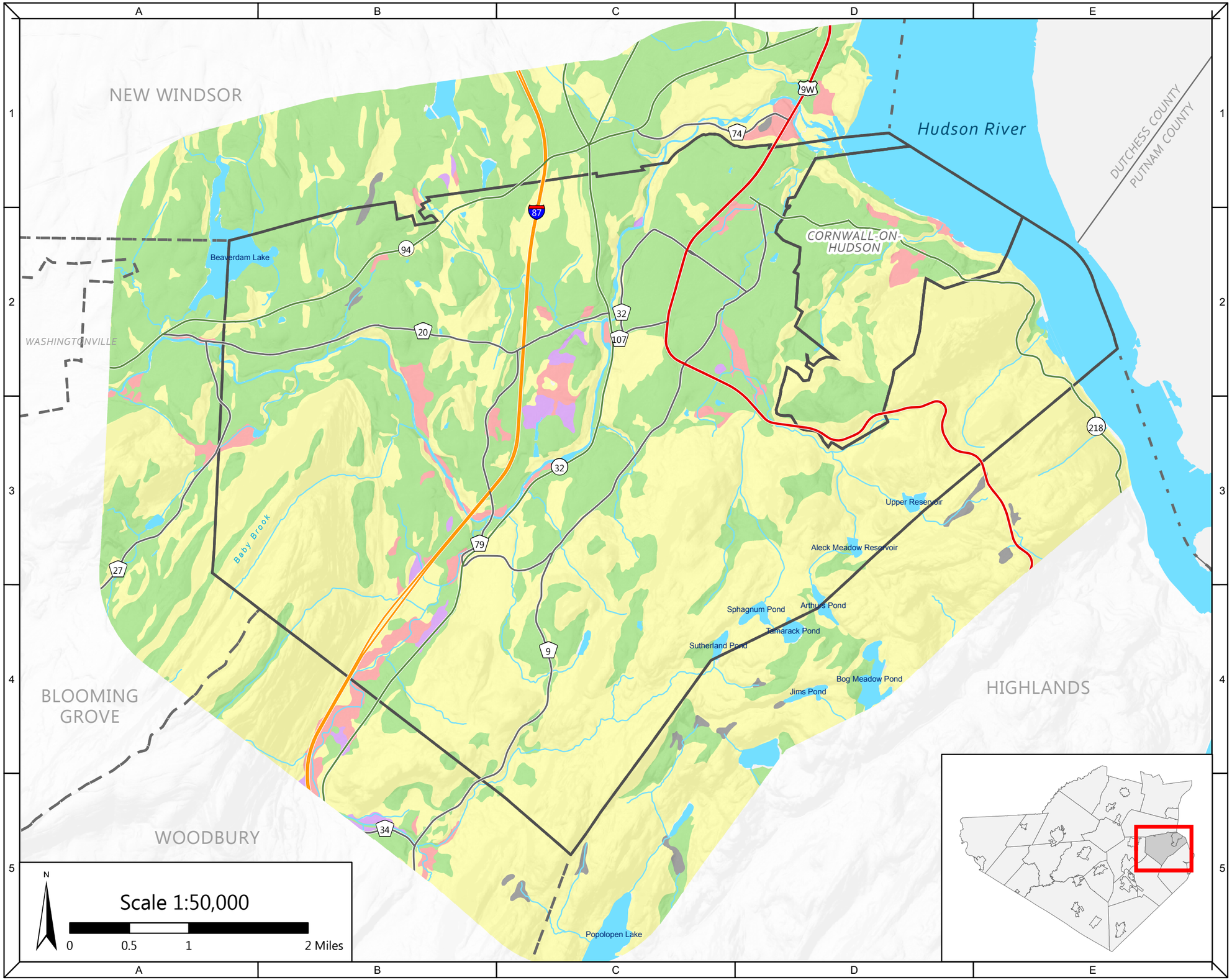
TOWN OF CORNWALL
VILLAGE OF CORNWALL-ON-HUDSON
ORANGE COUNTY, NY

NATURAL RESOURCES INVENTORY

General Soil Classes



Soil Classes

- Prime Farmland
- Prime Farmland If Drained
- Soils of Statewide Importance
- Black Dirt / Organic
- Non-Agricultural

Roads

- Interstate
- Federal Highway
- State Route
- County Road

Hydrology

- Streams
- Water Bodies

DATA SOURCES: United States Dept. of Agriculture Soil Conservation Service, 2017; Soil Survey Geographic Database, 2017; New York State Dept. of Environmental Conservation, 2017; United States Geological Survey, 2017; New York State Dept. of Transportation, 2017; Orange County Dept. of Planning, 2018

PRIME FARMLAND – Soils that possess the most ideal combination of physical and chemical characteristics for producing agricultural products and for growing feed for livestock. These properties include resistance to erosion, infrequent flooding, and the ability to resist oversaturation. Prime Farmland soil criteria are established by the U.S. Dept. of Agriculture.

PRIME FARMLAND IF DRAINED – Soils that meet all criteria for Prime Farmland soil except for depth to seasonal high water table. These soils are suitable for drainage. New York State designates somewhat poorly drained soils as Prime Farmland if Drained as long as they meet all other Prime Farmland soil criteria.

SOILS OF STATEWIDE IMPORTANCE – New York State defines Soils of Statewide Importance as soils that do not meet all criteria for Prime Farmland or Prime Farmland if Drained, but still possess significant mineral loads and fall within land capability classes 2e, 2s, 2w, 3e, 3s, 3w, or 4w (see link below).

BLACK DIRT/ORGANIC – Black Dirt soils originate from the bottoms of ancient glacial lakes. These dark soils are highly fertile and are ideal for agriculture.

NON-AGRICULTURAL – These soils do not meet any of the above criteria for farmland use.

For more information regarding soil classes, the U.S. Dept. of Agriculture, and the Soil Survey Geographic Database (SSURGO), please visit: https://www.nrcs.usda.gov/.

Creating Natural Resources Inventories (NRIs) in Orange County Communities is a partnership project between OCWA 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.

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B. Freiman 6/20/2018

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The Orange County Water Authority

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Cornell University