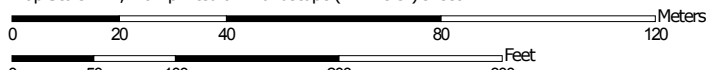


Soil Map—Albany County, New York



Soil Map may not be valid at this scale.

Map Scale: 1:1,410 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84



## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

**Warning:** Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Albany County, New York

Survey Area Data: Version 16, Sep 1, 2018

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 7, 2013—Sep 22, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BuB	Burdett silt loam, 3 to 8 percent slopes	1.1	17.6%
NuC	Nunda silt loam, 8 to 15 percent slopes	4.2	70.5%
NuD	Nunda silt loam, 15 to 25 percent slopes	0.7	11.9%
<b>Totals for Area of Interest</b>		<b>6.0</b>	<b>100.0%</b>

## Albany County, New York

### BuB—Burdett silt loam, 3 to 8 percent slopes

#### Map Unit Setting

*National map unit symbol:* 9pdt  
*Elevation:* 400 to 1,600 feet  
*Mean annual precipitation:* 36 to 41 inches  
*Mean annual air temperature:* 45 to 48 degrees F  
*Frost-free period:* 100 to 170 days  
*Farmland classification:* Prime farmland if drained

#### Map Unit Composition

*Burdett and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Burdett

##### Setting

*Landform:* Till plains, hills, drumlinoid ridges  
*Landform position (two-dimensional):* Footslope, summit  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Concave  
*Across-slope shape:* Linear  
*Parent material:* A thin silt mantle overlying till that is strongly influenced by shale

##### Typical profile

*H1 - 0 to 8 inches:* silt loam  
*H2 - 8 to 13 inches:* silt loam  
*H3 - 13 to 43 inches:* gravelly silty clay loam  
*H4 - 43 to 68 inches:* gravelly silty clay loam

##### Properties and qualities

*Slope:* 3 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat poorly drained  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to moderately high (0.06 to 0.20 in/hr)  
*Depth to water table:* About 6 to 18 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 15 percent  
*Available water storage in profile:* Moderate (about 7.4 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3w  
*Hydrologic Soil Group:* C/D  
*Hydric soil rating:* No

### Minor Components

#### **Nunda**

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

#### **Ilion**

*Percent of map unit:* 5 percent

*Landform:* Depressions

*Hydric soil rating:* Yes

#### **Madalin**

*Percent of map unit:* 5 percent

*Landform:* Depressions

*Hydric soil rating:* Yes

## Data Source Information

Soil Survey Area: Albany County, New York

Survey Area Data: Version 16, Sep 1, 2018

## Albany County, New York

### NuC—Nunda silt loam, 8 to 15 percent slopes

#### Map Unit Setting

*National map unit symbol:* 9ph3

*Elevation:* 400 to 1,600 feet

*Mean annual precipitation:* 36 to 41 inches

*Mean annual air temperature:* 45 to 48 degrees F

*Frost-free period:* 100 to 170 days

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Nunda and similar soils:* 90 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Nunda

##### Setting

*Landform:* Hills, drumlinoid ridges, till plains

*Landform position (two-dimensional):* Summit

*Landform position (three-dimensional):* Crest

*Down-slope shape:* Concave

*Across-slope shape:* Convex

*Parent material:* A silty mantle over loamy till derived from calcareous shale and siltstone

##### Typical profile

*H1 - 0 to 10 inches:* silt loam

*H2 - 10 to 20 inches:* silt loam

*2B/E - 20 to 28 inches:* silt loam

*2Bt - 28 to 44 inches:* silty clay loam

*2C - 44 to 64 inches:* clay loam

##### Properties and qualities

*Slope:* 8 to 15 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Moderately well drained

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.03 to 0.20 in/hr)

*Depth to water table:* About 18 to 24 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 5 percent

*Available water storage in profile:* Moderate (about 7.6 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* C/D

*Hydric soil rating:* No

**Minor Components**

**Burdett**

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

**Angola**

*Percent of map unit:* 3 percent

*Hydric soil rating:* No

**Unnamed soils**

*Percent of map unit:* 1 percent

**Ilion**

*Percent of map unit:* 1 percent

*Landform:* Depressions

*Hydric soil rating:* Yes

**Data Source Information**

Soil Survey Area: Albany County, New York

Survey Area Data: Version 16, Sep 1, 2018

## Albany County, New York

### NuD—Nunda silt loam, 15 to 25 percent slopes

#### Map Unit Setting

*National map unit symbol:* 9ph4

*Elevation:* 400 to 1,600 feet

*Mean annual precipitation:* 36 to 41 inches

*Mean annual air temperature:* 45 to 48 degrees F

*Frost-free period:* 100 to 170 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Nunda and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Nunda

##### Setting

*Landform:* Till plains, hills, drumlinoid ridges

*Landform position (two-dimensional):* Summit

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Concave

*Across-slope shape:* Convex

*Parent material:* A silty mantle over loamy till derived from calcareous shale and siltstone

##### Typical profile

*H1 - 0 to 10 inches:* silt loam

*H2 - 10 to 20 inches:* silt loam

*2B/E - 20 to 28 inches:* silt loam

*2Bt - 28 to 44 inches:* silty clay loam

*2C - 44 to 64 inches:* clay loam

##### Properties and qualities

*Slope:* 15 to 25 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Moderately well drained

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.03 to 0.20 in/hr)

*Depth to water table:* About 18 to 24 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 5 percent

*Available water storage in profile:* Moderate (about 7.6 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* C/D



*Hydric soil rating:* No

### **Minor Components**

#### **Unnamed soils**

*Percent of map unit:* 8 percent

#### **Arnot**

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

#### **Ilion**

*Percent of map unit:* 2 percent

*Landform:* Depressions

*Hydric soil rating:* Yes

## **Data Source Information**

Soil Survey Area: Albany County, New York  
Survey Area Data: Version 16, Sep 1, 2018