

Onondaga County, New York

WcB—Wassaic silt loam, 0 to 8 percent slopes

Map Unit Setting

National map unit symbol: 9v18

Elevation: 800 to 1,750 feet

Mean annual precipitation: 38 to 42 inches

Mean annual air temperature: 45 to 48 degrees F

Frost-free period: 110 to 190 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Wassaic and similar soils: 75 percent

Minor components: 25 percent

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

Description of Wassaic

Setting

Landform: Benches, ridges, till plains

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Crest

Down-slope shape: Concave

Across-slope shape: Convex

Parent material: Loamy till derived mainly from limestone, with varying amounts of sandstone, shale, and crystalline rock

Typical profile

H1 - 0 to 11 inches: silt loam

H2 - 11 to 23 inches: channery silt loam

C - 23 to 35 inches: channery loam

R - 35 to 39 inches: unweathered bedrock

Properties and qualities

Slope: 0 to 8 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Natural drainage class: Moderately well drained

Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)

Depth to water table: About 19 to 39 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 1 percent

Available water storage in profile: Low (about 5.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: C

Hydric soil rating: No

Minor Components

Benson

Percent of map unit: 5 percent

Hydric soil rating: No

Palatine

Percent of map unit: 4 percent

Hydric soil rating: No

Mohawk

Percent of map unit: 4 percent

Hydric soil rating: No

Cazenovia

Percent of map unit: 4 percent

Hydric soil rating: No

Honeoye

Percent of map unit: 4 percent

Hydric soil rating: No

Ontario

Percent of map unit: 4 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Onondaga County, New York

Survey Area Data: Version 13, Sep 3, 2018