RUTGERS
New Jersey Agricultural Experiment Station

Examination of Snyder Farm Quakertown Silt Loam Soil

Daniel Ward


LbmB
HdyC2
LbmD
HdyB
QukC2
LbmB
AbrB
LbmB
LbmC2
LbmB
QukC2
QukB
Pittstown Rd
Baker Rd
Locust Grove Rd
Wolverton Rd
Pleasant View Manor Rd
0
997ft

Hunterdon County, New Jersey

QukB—Quakertown silt loam, 2 to 6 percent slopes

Map Unit Setting

Elevation: 300 to 1,000 feet
Mean annual precipitation: 40 to 48 inches
Mean annual air temperature: 48 to 55 degrees F
Frost-free period: 150 to 200 days

Map Unit Composition

Quakertown and similar soils: 85 percent
Minor components: 15 percent

Description of Quakertown

Setting

Landform: Hills
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Fine-grained fine-loamy residuum weathered from sandstone and siltstone

Properties and qualities

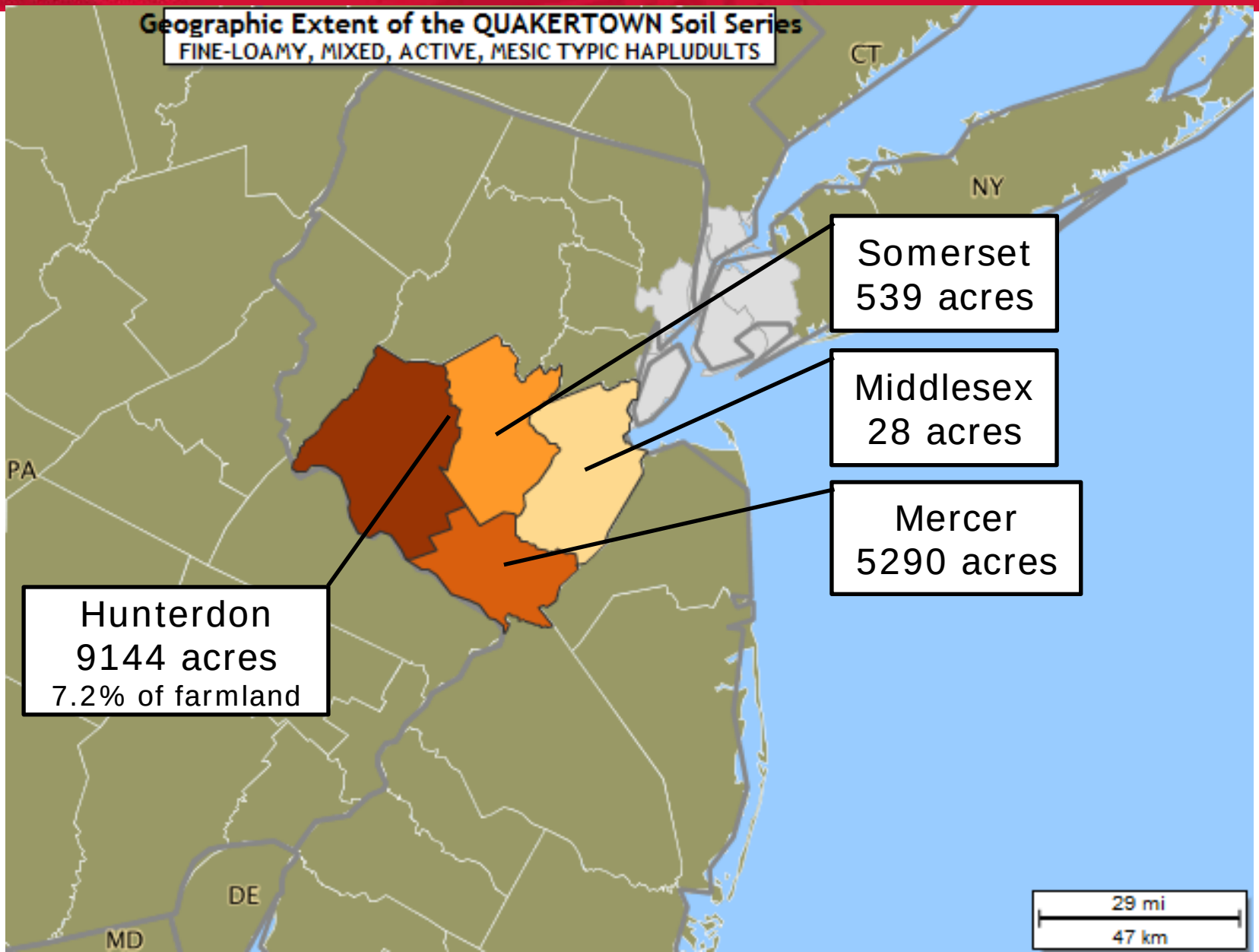
Slope: 2 to 6 percent
Depth to restrictive feature: 40 to 60 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: High (about 9.7 inches)

Interpretive groups

Land capability (nonirrigated): 2e

Typical profile

0 to 8 inches: Silt loam
8 to 12 inches: Silt loam
12 to 20 inches: Silt loam
20 to 36 inches: Silty clay loam
36 to 56 inches: Channery clay loam
56 to 157 inches: Unweathered bedrock


Geographic Extent of the QUAKERTOWN Soil Series
FINE-LOAMY, MIXED, ACTIVE, MESIC TYPIC HAPLUDULTS
CT
NY
PA
DE
MD
Somerset
539 acres
Middlesex
28 acres
Mercer
5290 acres
Hunterdon
9144 acres
7.2% of farmland
29 mi
47 km

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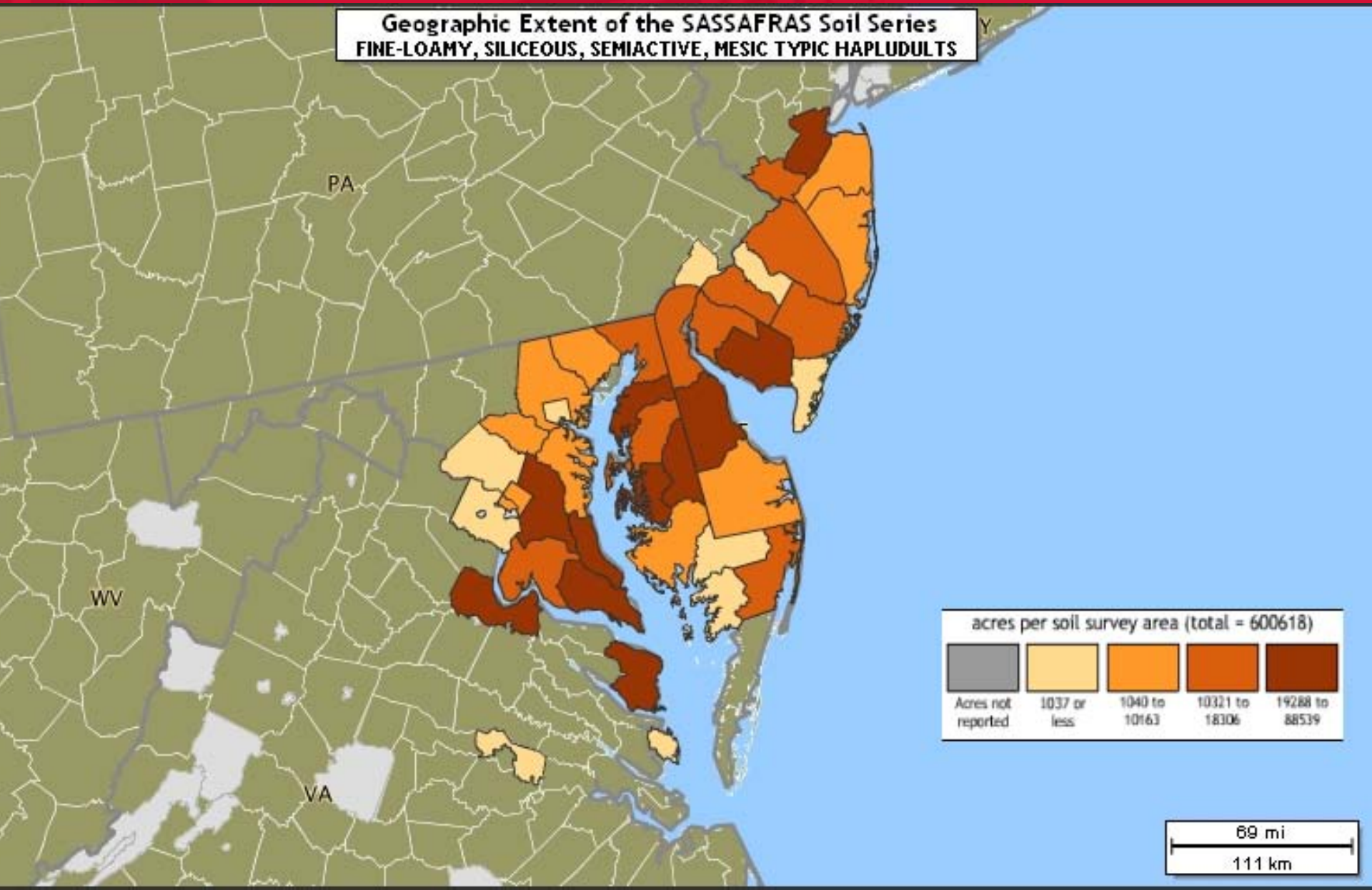

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Play to my Notes from the Pit

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Sassafras sandy loam at RAREC

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