


NRCS Website

<https://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/survey/>






**USDA** Natural Resources Conservation Service
Soils
United States Department of Agriculture

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Soil Survey

- Soil Survey - Home
- Soil Surveys by State
-  Partnerships
- Publications**
-  Soil Classification
- Soil Geography
- Tools
-  Soil Survey Regional Offices
- Soil Climate Research Stations

Web Soil Survey Information


- Version 3.1 New Features
- Tips and Shortcuts
- Frequently Asked Questions
- Updated Surveys
- Status Map of Available Soil Surveys


Web Soil Survey Documents

- Guide to Maps, Reports, and Tables
- Version 3.1 Brochure
- Print-At-Home Version 3.1 Brochure
- Version 3.0 Brochure in Spanish
- Factsheet

Soil Survey

Web Soil Survey

 Online Web Soil Survey – Official USDA soil information as viewable maps and tables for more than 3200 soil surveys.


 [Sign up for E-mail updates on Web Soil Survey](#)

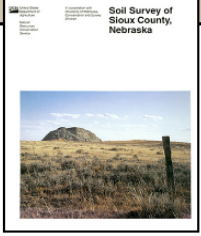
NRCS Improves Soils Data for Growing Customer Base (PDF; 604 KB)

Historical Soil Surveys

How to Use a Soil Survey – basic information on utilizing a soil survey.

Listing of Soil Surveys by State – current and out-of-print soil surveys and contact information for requesting a paper or CD copy.

 [Sign up for E-mail updates on Official Soil Surveys](#)



History of Soil Survey

Area of Interest (AOI)

Soil Map

Soil Data Explorer

Download Soils Data

Shopping Cart (Free)

Search

Area of Interest

Import AOI

Quick Navigation

Address

View

Address

Show location
marker ☒

View

State and County

Soil Survey Area

Latitude and Longitude

PLSS (Section, Township, Range)

Bureau of Land Management

Department of Defense

Forest Service

National Park Service

Hydrologic Unit

Area of Interest Interactive Map

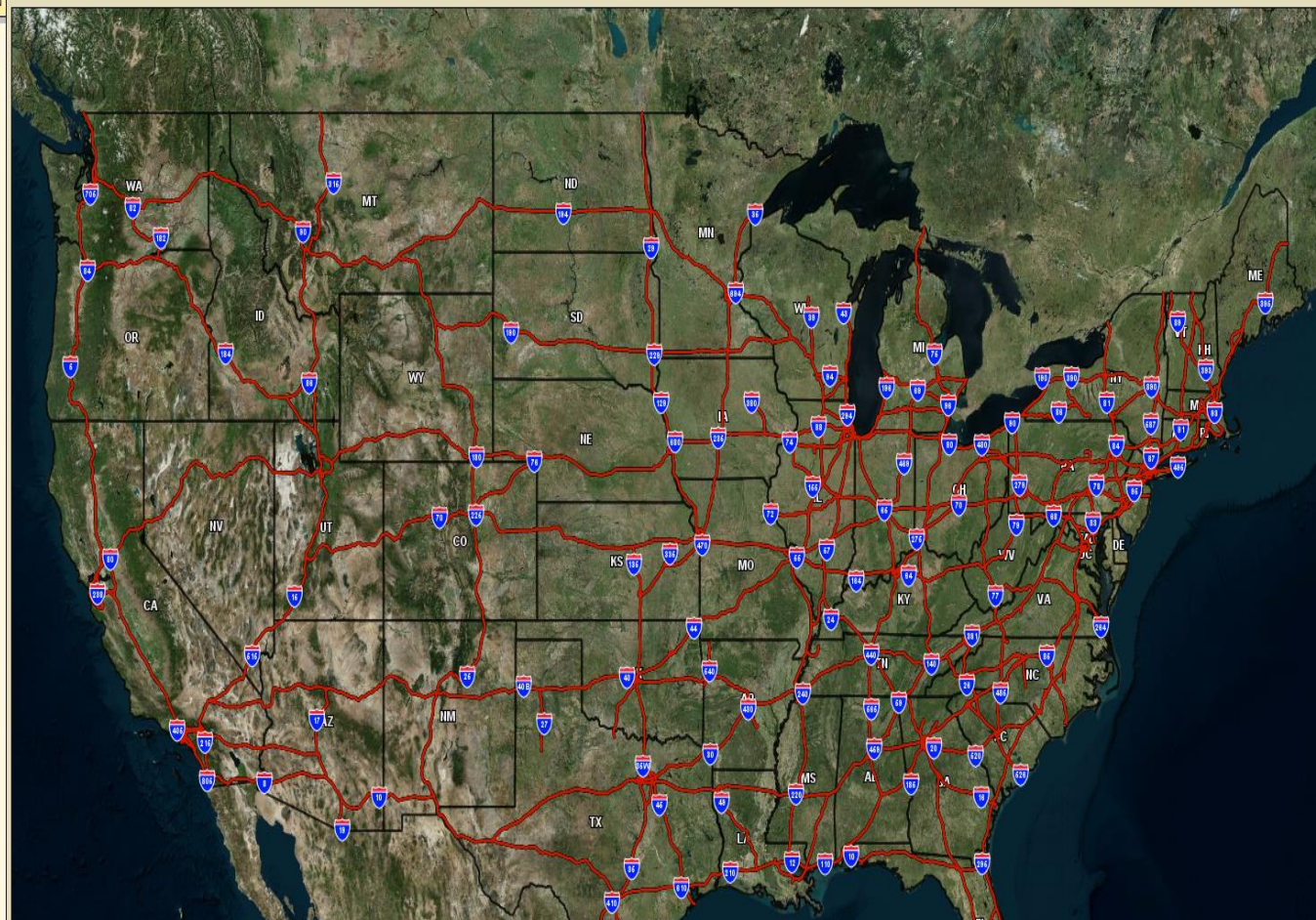


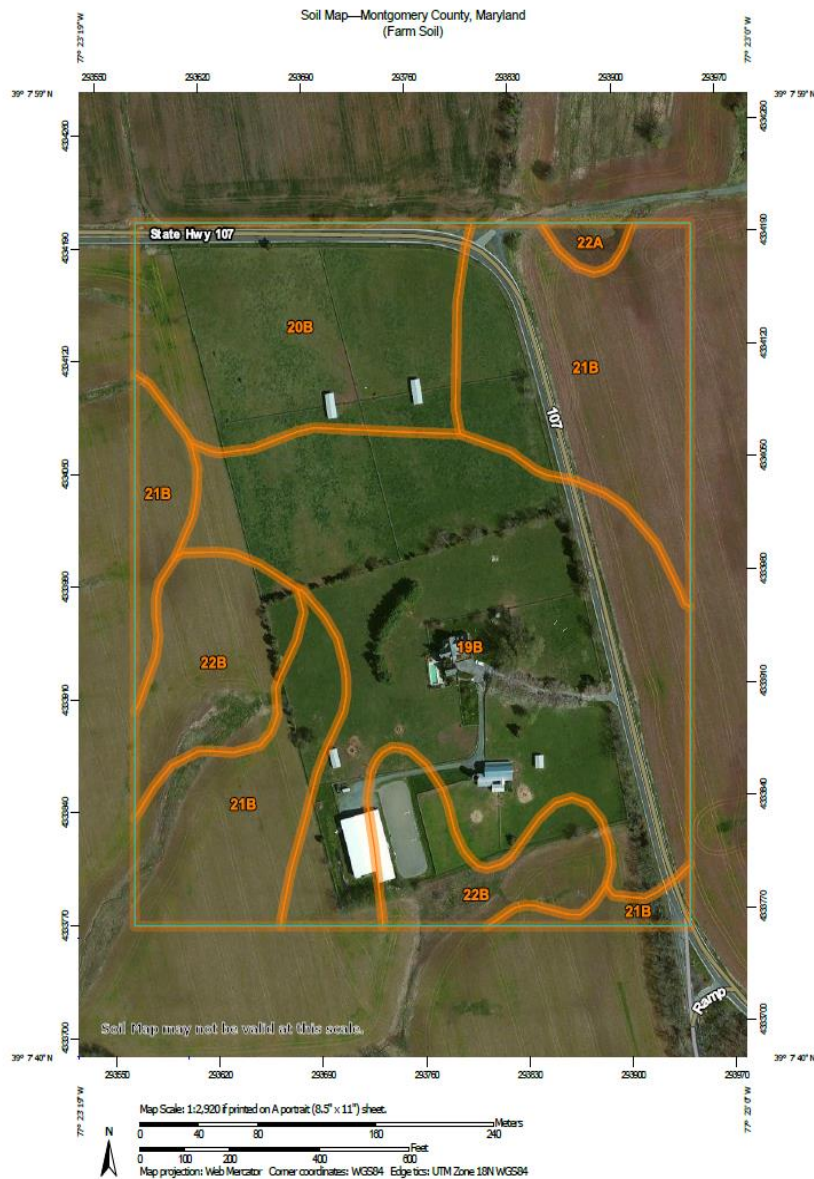
View Extent

Contiguous U.S.

Scale

(not to scale)





Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

1/26/2017
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Map Unit Legend

Montgomery County, Maryland (MD031)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
19B	Bucks silt loam, 3 to 8 percent slopes	16.3	39.9%
20B	Brentsville sandy loam, 3 to 8 percent slopes	7.1	17.3%
21B	Penn silt loam, 3 to 8 percent slopes	11.6	28.5%
22A	Readington silt loam, 0 to 3 percent slopes	0.3	0.8%
22B	Readington silt loam, 3 to 8 percent slopes	5.5	13.5%
Totals for Area of Interest		40.7	100.0%

Montgomery County, Maryland

19B—Bucks silt loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: kx7k
Elevation: 250 to 950 feet
Mean annual precipitation: 37 to 48 inches
Mean annual air temperature: 45 to 55 degrees F
Frost-free period: 145 to 190 days
Farmland classification: All areas are prime farmland

Map Unit Composition

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

Description of Bucks

Setting

Landform: Interfluves, hillslopes
Landform position (two-dimensional): Summit, backslope, shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Linear, convex
Across-slope shape: Convex, linear
Parent material: Loamy residuum weathered from sandstone and shale

Typical profile

Ap - 0 to 12 inches: silt loam
BE, Bt1-2 - 12 to 33 inches: silt loam
C - 33 to 45 inches: channery silt loam
R - 45 to 49 inches: unweathered bedrock

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 40 to 59 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Medium
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: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Moderate (about 7.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Penn

Percent of map unit: 10 percent
Landform: Interfluves, hillslopes
Landform position (two-dimensional): Summit, backslope, shoulder
Landform position (three-dimensional): Side slope
Hydric soil rating: No

Reaville

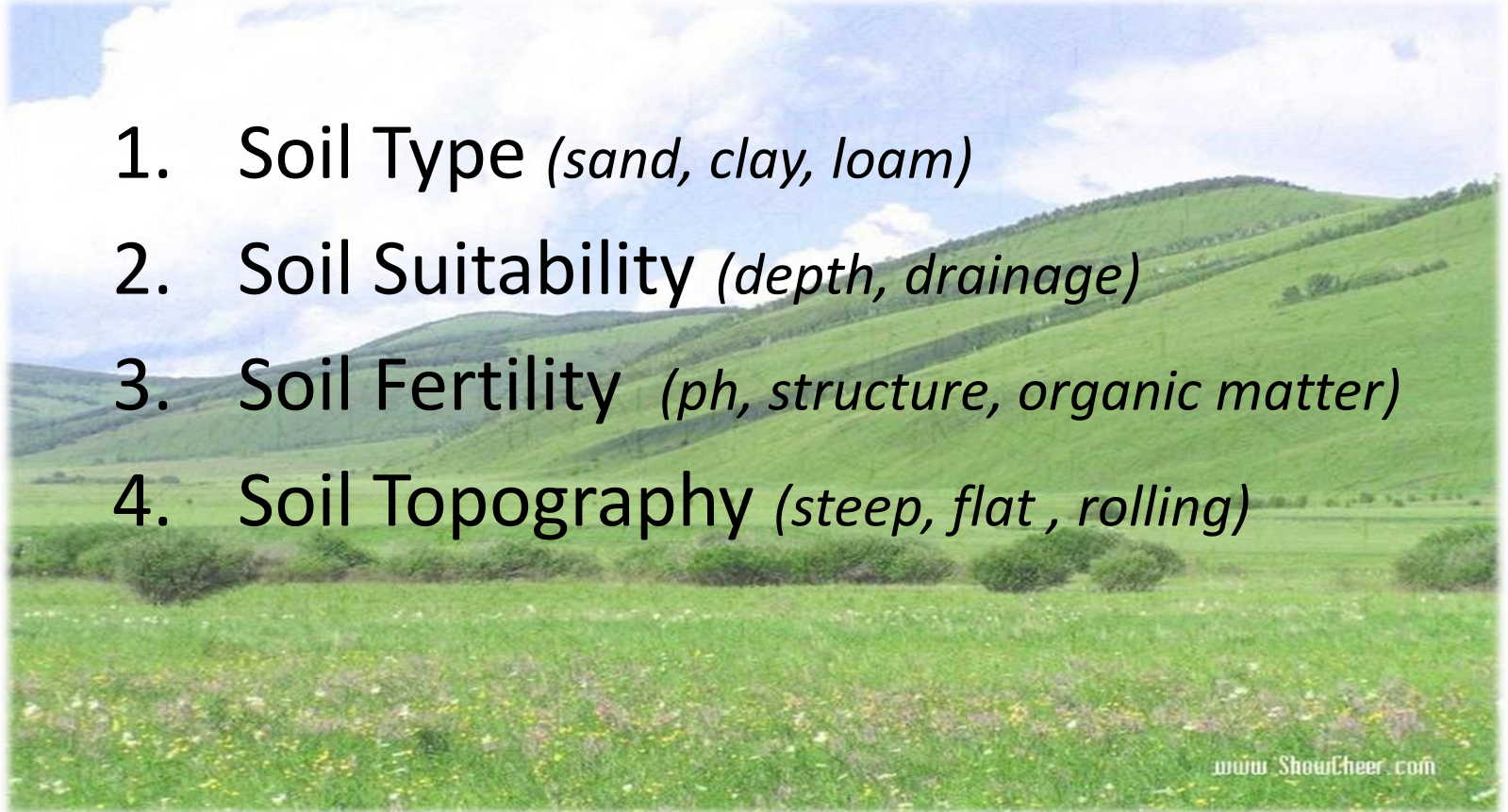
Percent of map unit: 5 percent
Landform: Depressions, interfluves, hillslopes, hillslopes
Landform position (two-dimensional): Summit, backslope, shoulder
Landform position (three-dimensional): Head slope, base slope, side slope
Hydric soil rating: No

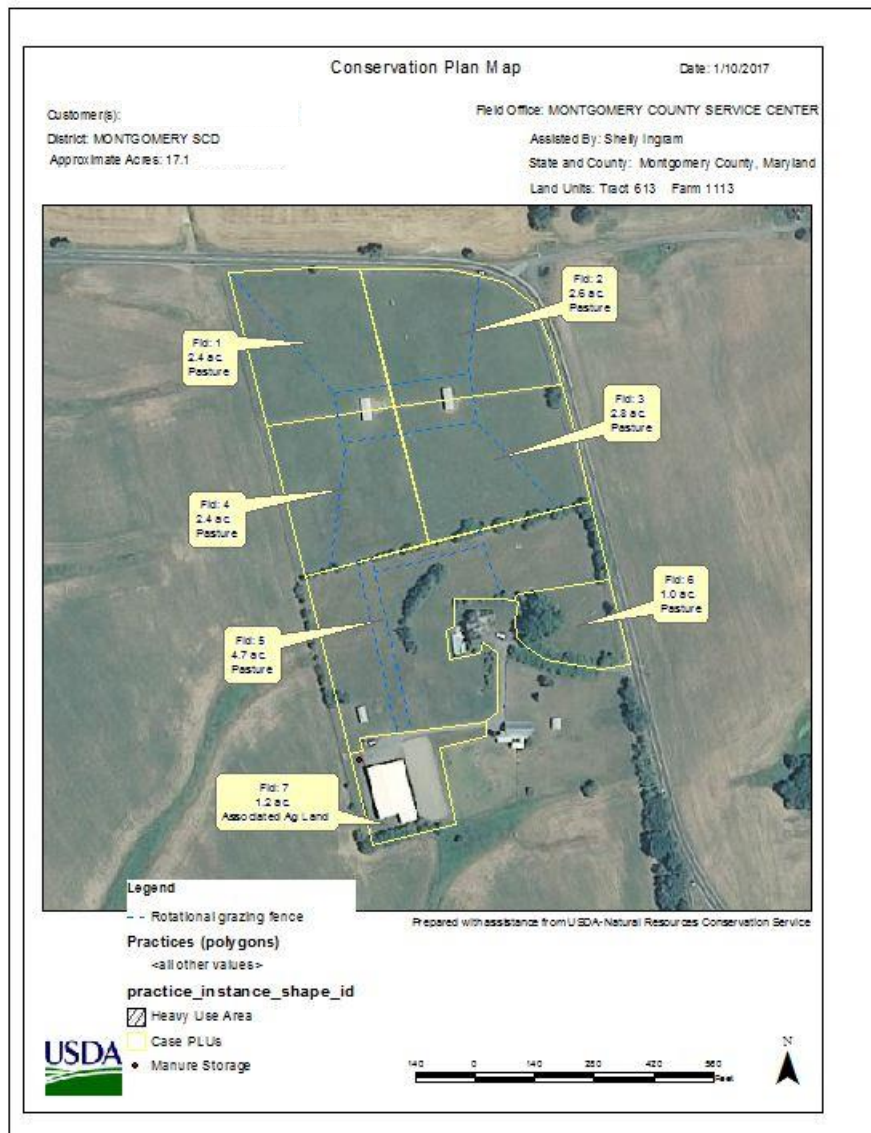
Data Source Information

Soil Survey Area: Montgomery County, Maryland
Survey Area Data: Version 12, Sep 20, 2016

Four Factors to Consider in Soil

1. Soil Type (*sand, clay, loam*)
2. Soil Suitability (*depth, drainage*)
3. Soil Fertility (*ph, structure, organic matter*)
4. Soil Topography (*steep, flat, rolling*)





MSCD can provide you with:

Conservation Plan and Map
Technical Assistance
Cost Share Programs

Shelly Ingram
*Equine Resource
Conservationist
MSCD
18410 Muncaster Rd.
Derwood, MD 20855
301-590-2853*

Online information sites

NRCS soil survey website

<https://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/survey/>

onPasture <http://onpasture.com/>

Canadian info sheets

[http://www1.agric.gov.ab.ca/\\$department/deptdocs.nsf/all/agdex9377](http://www1.agric.gov.ab.ca/$department/deptdocs.nsf/all/agdex9377)

University of Kentucky <http://www.uky.edu/Ag/Forage/>

My horse University <https://www.youtube.com/watch?v=CgE3kmj8aJ4>

NRCS small rancher assistance

https://www.youtube.com/watch?v=n_woSAX0nJM

Alan Savory –lengthy course in land management

<http://savory.global/platform/#online-ed>