

# **Soil Survey *of Maryland***

**2011 Maryland Soil Survey  
Work Planning Conference**



# MLRA Soil Survey Update

## MLRA 13-6 Staff

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# Traditional County Soil Survey



United States  
Department of  
Agriculture

Natural  
Resources  
Conservation  
Service

In cooperation with  
Board of County  
Commissioners of  
Washington County,  
Maryland; Washington  
County Soil Conservation  
District; Maryland  
Agricultural Experiment  
Station (University of  
Maryland, College Park)

## Soil Survey of Washington County, Maryland



United States  
Department of  
Agriculture

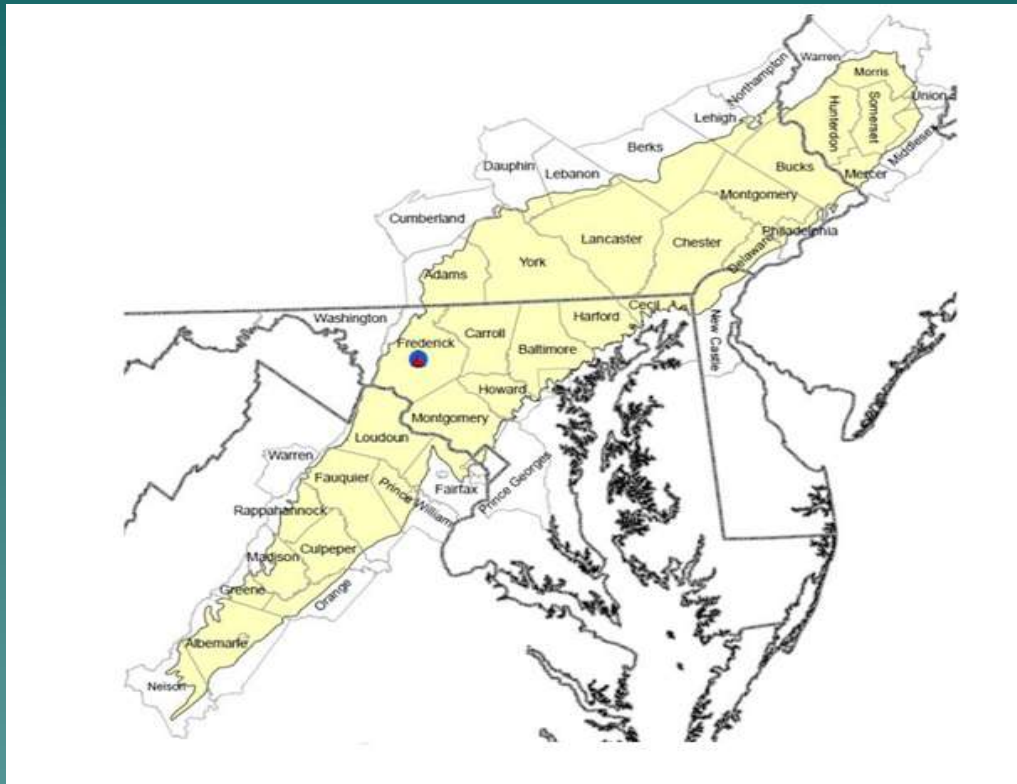
Natural  
Resources  
Conservation  
Service

In cooperation with  
Maryland Agricultural  
Experiment Station  
(University of Maryland),  
Maryland Department of  
Agriculture, Howard  
County Board of  
Commissioners, and  
Howard County Soil  
Conservation District

## Soil Survey of Howard County, Maryland



# MLRA 13-6 Northern Piedmont Administrative Area



- ◆ Portions of 5 States
  - (DE, MD, NJ, PA, VA)
- ◆ 43 Counties
- ◆ 7 million + - acres

# MLRA 13-6 Northern Piedmont Soil Survey Office Function

- ◆ summarizing details from individual non-MLRA soil survey evaluations and integrating them into a long-range plan of needed enhancements for the MLRA soil survey area
- ◆ improving the quality of digital line work to conform to landscape models
- ◆ keeping soil survey maps and data throughout their assigned area current to meet the changing needs of users
- ◆ supporting update of soil surveys within and among MLRA administrative areas
- ◆ providing management and support of soil survey activities over a large geographic region
- ◆ performing investigations throughout their assigned area, maintaining soil survey datasets, and preparing and revising official series descriptions
- ◆ developing project plans and annual plans to address the goals and activities identified by the management team and board of directors as priority work to be accomplished
- ◆ providing leadership for the MLRA soil survey area technical team

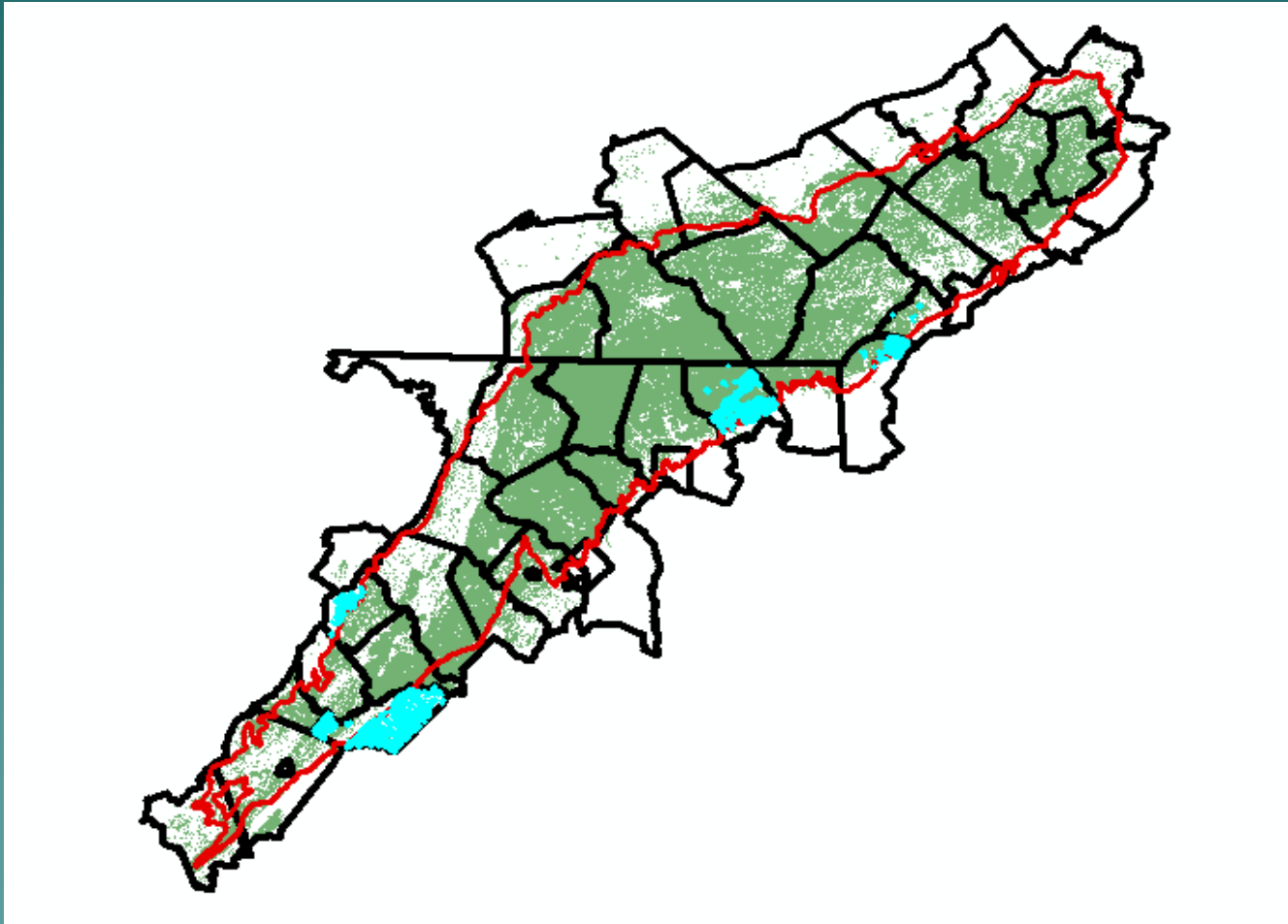
# MLRA Soil Survey Update

## ◆ Series Status

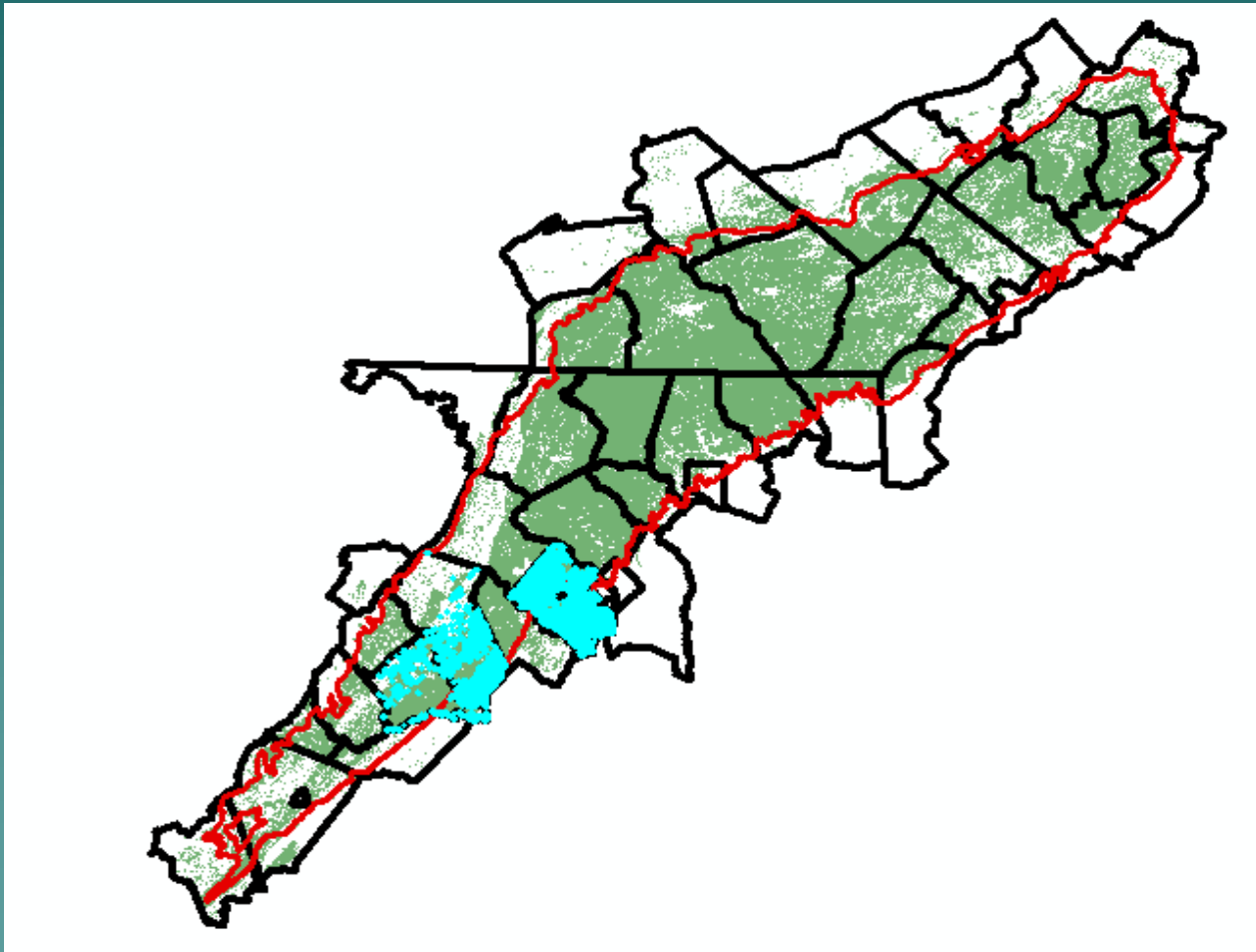
- 395 Soil Series Currently Mapped
- 13 Tentative
- 5 In Active

# Inactive Soil Series

2,569 polygons



# Tentative Soils 6,835 Polygons





# Benchmark Soils

Baile	Fine-Loamy, Mixed, Semiactive, Mesic Typic Endoaquults
Bucks	Fine-Loamy, Mixed, Active, Mesic Typic Hapludults
Chester	Fine-Loamy, Mixed, Semiactive, Mesic Typic Hapludults
Croton	Fine-Silty, Mixed, Active, Mesic Typic Fragiaqualfs
Eubanks	Fine-Loamy, Mixed, Semiactive, Mesic, Typic Hapludults
Fauquier	Fine, Mixed, Active, Mesic Ultic Hapludalfs
Glenville	Fine-Loamy, Mixed, Active, Mesic, Aquic Fragiudults
Hazel	Coarse-Loamy, Mixed, Active, Mesic, Typic Dystrudepts
Legore	Fine-Loamy, Mixed, Active, Mesic, Ultic Hapludalfs
Manor	Coarse-Loamy, Micaceous, Mesic, Typic Dystrudepts
Montalto	Fine, Mised, Semiactive, Mesic, Ultic Hapludalfs
Penn	Fine-Loamy, Mixed, Superactive, Mesic, Ultic Hapludalfs
Readington	Fine-Loamy, Mixed, Active, Mesic, Oxyaquic Fragiudults

# Current Legend

- ◆ 2,978 map units old and new
- ◆ Polygon count 778,362 total
- ◆ Acre count ranges from
  - 0.14 Glenelg very stony silt loam 15 to 25
  - 456,236 Water

# Legend Issues

## ◆ Miscellaneous Areas

- Rough Broken Land
- Alluvial land, loamy
- Colluvial land
- Rock land Porters and Hazel material
- Rock land, Myersville and Catoctin materials
- Rock land, basic, moderately steep phase
- Rock land basic, sloping
- Rock land basic, steep
- Rock outcrop
- Rubble land
- Stony Colluvial land

# Legend Issues


- ◆ Miscellaneous Areas
  - Stony land, steep
  - Stony local alluvial land gently sloping phase
- ◆ Phase 83
  - Sloping phase
  - Eroded phase
- ◆ Variants approximately 52
- ◆ Terrace Soil Complexes with Flooding identified
- ◆ Soils with Flooding and No Flooding

# Legend Issues

## Slope Classes

A Slope	B Slope	C Slope	D Slope	E Slope	F Slope
0-2	2-6	6-12	8-12	18-30	25-65
0-3	2-5	8-15	12-18	18-35	45-65
0-4	3-8	0-12	15-25	12-30	25-60
0-5	0-6	7-15	2-25?	18-40	25-40
	0-8	3-15	12-25	25-45	45-60
	2-7	4-12	7-25	15-45	25-75
	2-12	6-18	8-25	25-75	25-70
	1-4	6-15	15-30	25-80	
	3-10	8-18		25-70	
				15-35	
				25-50	
				35-45	

# Official Copy



USDA United States Department of Agriculture  
Natural Resources Conservation Service

## Web Soil Survey

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You are here: Web Soil Survey Home


### Search

### Browse by Subject

- Soils Home
- National Cooperative Soil Survey (NCSS)
- Archived Soil Surveys
- Status Maps
- Official Soil Series Descriptions (OSD)
- Soil Series Extent Mapping Tool
- Soil Data Mart
- Geospatial Data Gateway
- eFOTG
- National Soil Characterization Data
- Soil Geochemistry Spatial Database


The simple yet powerful way to access and use soil data.



### I Want To...

- [Start Web Soil Survey \(WSS\)](#)
- [Know the requirements for running Web Soil Survey](#)
- [Know whether Web Soil Survey works in my web browser](#)
- [Know the Web Soil Survey hours of operation](#)
- [Find what areas of the U.S. have soil data](#)

### Welcome to Web Soil Survey (WSS)




Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 95 percent of the nation's counties and

anticipates having 100 percent in the near future. The site is updated and maintained online as the single authoritative source of soil survey information.

### Three Basic Steps

**1** Define.



**Use the Area of Interest tab** to define your area of interest.

### Announcements/Events

- [Web Soil Survey Release History](#)

### I Want Help With...

- [How to use Web Soil Survey](#)
- [How to use Web Soil Survey Online Help](#)

# Wrap UP / Questions

- ◆ Facilitate a Seamless Join
  - ◆ Provide quality control / quality assurance
  - ◆ Provide over all management of soil survey activities throughout the region
  - ◆ Limited Technical soil services
- 