

Natural Resources Conservation Service

USDA

MAP LEGEND			MAP INFORMATION		
Area of Interest (AOI) Background		Background	The soil surveys that comprise your AOI were mapped at 1:20,00		
A Soils	rea of Interest (AOI)	Aerial Photography	Please rely on the bar scale on each map sheet for map measurements.		
Soil Rating	Polygons /ery limited		Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: Web Mercator (EPSG:3857)		
	lot limited lot rated or not available		Maps from the Web Soil Survey are based on the Web Mercato projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the		
Soil Rating Lines			Albers equal-area conic projection, should be used if more accu calculations of distance or area are required.		
	somewhat limited		This product is generated from the USDA-NRCS certified data as the version date(s) listed below		
~~ N	lot limited		Soil Survey Area: Centre County, Pennsylvania		
,≉⊸≉ N	lot rated or not available		Survey Area Data: Version 8, Dec 16, 2013		
Soil Rating	Points 'ery limited		Soli map units are labeled (as space allows) for map scales 1:50,0 or larger.		
	omewhat limited		Date(s) aerial images were photographed: Jun 18, 2010—Oct		
	lot limited		2011		
	lot rated or not available		compiled and digitized probably differs from the solution were		
Water Featur	es streams and Canals		of map unit boundaries may be evident.		
Transportatio	on				
+++ R	ails				
∼ Ir	nterstate Highways				
🫹 L	IS Routes				
🤝 N	lajor Roads				
	ocal Roads				

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## Paths and Trails

Paths and Trails— Summary by Map Unit — Centre County, Pennsylvania (PA027)						
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
Ch Chagrin soils	Chagrin soils	Somewhat	Chagrin (85%)	Dusty (0.06)	3.7	0.4%
		limited	Lindside (5%)	Dusty (0.03)		
HaA Hagerstown loam, 0 to percent st	Hagerstown silt loam, 0 to 3	n silt Somewhat to 3 limited slopes	Hagerstown (85%)	Dusty (0.04)	94.7	11.2%
	percent slopes		Opequon (5%)	Dusty (0.03)		
			Carbo (5%)	Dusty (0.04)		
			Nolin (3%)	Dusty (0.07)		
HaB Ha	Hagerstown silt loam, 3 to 8	Somewhat limited	Hagerstown (85%)	Dusty (0.04)	222.3	26.4%
	percent slopes		Opequon (5%)	Dusty (0.03)		
			Carbo (5%)	Dusty (0.04)		
			Funkstown (3%)	Flooding (0.40)		
				Dusty (0.03)		
			Timberville (2%)	Flooding (0.40)		
				Dusty (0.03)		
HaC	Hagerstown silt loam, 8 to 15	n silt Very limited o 15 lopes	Hagerstown (85%)	gerstown Water erosion 85%) (1.00)	46.1	5.5%
	percent slopes			Dusty (0.04)		
		Carbo (8%) Clarksburg (2%)	Water erosion (1.00)			
				Dusty (0.04)		
			Clarksburg (2%)	Water erosion (1.00)		
				Dusty (0.09)		
НсВ	Hagerstown silty clay loam, 3 to 8 percent	agerstown silty clay loam, 3 to 8 percent	Hagerstown, Very Deep (77%)	Dusty (0.07)	202.9	24.1%
	slopes		Opequon (9%)	Dusty (0.07)		
			Carbo (9%)	Dusty (0.50)		
HcC	Hagerstown silty clay loam, 8 to	Hagerstown silty clay loam, 8 to 15 percent slopes	Hagerstown, Deep (77%)	Dusty (0.07)	24.3	2.9%
	15 percent slopes		Opequon (9%)	Dusty (0.07)		
HcD	Hagerstown silty	Somewhat	Hagerstown (90%)	Slope (0.50)	10.1	1.2%
	clay loam, 15	clay loam, 15 limited to 25 percent slopes		Dusty (0.06)		
	slopes		Edom (5%)	Slope (0.50)		
				Dusty (0.05)		

Paths and Trails— Summary by Map Unit — Centre County, Pennsylvania (PA027)						
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
HuC Hublersburg loam, 8 to percent sl	Hublersburg silt loam, 8 to 15	Somewhat limited	Hublersburg (90%)	Dusty (0.04)	40.5	4.8%
	percent slopes		Nolin (3%)	Dusty (0.05)		
HuD	Hublersburg silt	Somewhat	Hublersburg	Slope (0.50)	5.8	0.7%
loam,	percent slopes	limited	(90%)	Dusty (0.04)		
			Nolin (3%)	Dusty (0.05)		
MrB	Morrison sandy	Somewhat limited	Morrison (90%)	Dusty (0.00)	1.0	0.1%
	percent slopes		Vanderlip (5%)	Too sandy (0.79)		
			Murrill (5%)	Dusty (0.05)		
MrC	Morrison sandy	Somewhat	Morrison (90%)	Dusty (0.00)	4.3	0.5%
	percent slopes	limited	Vanderlip (5%)	Too sandy (0.79)		
			Murrill (5%)	Dusty (0.05)		
MrD	Morrison sandy	Somewhat limited	Morrison (90%)	Slope (0.50)	5.5	0.7%
	percent slopes			Dusty (0.00)		
			Vanderlip (5%)	Too sandy (0.79)		
			Murrill (5%)	Slope (0.50)		
				Dusty (0.05)		
MsD	Morrison very stony sandy loam, 8 to 25 percent slopes	Somewhat limited	Morrison (90%)	Large stones content (0.53)	3.5	0.4%
				Slope (0.08)		
				Dusty (0.00)		
			Vanderlip (5%)	Too sandy (0.79)		
			Murrill (5%)	Large stones content (0.53)		
				Slope (0.08)		
				Dusty (0.05)		
MuC	Murrill channery silt loam, 8 to 15 percent slopes	nery Somewhat 8 to limited nt	Murrill (85%)	Dusty (0.04)	3.9	0.5%
			Hagerstown (10%)	Dusty (0.06)		
			Opequon (5%)	Dusty (0.07)		
No	Nolin silt loam,	olin silt loam, local alluvium, 0 to 5 percent slopes	Nolin (85%)	Dusty (0.05)	25.8	3.1%
	local alluvium, 0 to 5 percent slopes		Clarksburg (5%)	Dusty (0.06)		
OhB	Opequon-	quon- gerstown mplex, 3 to 8 rcent slopes	Opequon (50%)	Dusty (0.07)	26.1	3.1%
	Hagerstown complex, 3 to 8 percent slopes		Hagerstown (30%)	Dusty (0.06)		
			Hagerstown (5%)	Dusty (0.06)		
			Edom (5%)	Dusty (0.05)		

Paths and Trails— Summary by Map Unit — Centre County, Pennsylvania (PA027)						
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
OhC Opequon- Hagerstown complex, 8 to 15 percent slopes	Opequon-	Somewhat	Opequon (55%)	Dusty (0.07)	14.0	1.7%
	Hagerstown complex, 8 to 15 percent	limited	Hagerstown (25%)	Dusty (0.06)		
	slopes		Edom (5%)	Dusty (0.05)		
			Hagerstown (5%)	Dusty (0.06)		
OhD	Opequon-	Somewhat limited	Opequon (60%)	Slope (0.50)	2.7	0.3%
	complex, 15 to			Dusty (0.07)		
	25 percent slopes		Hagerstown (20%)	Slope (0.50)		
	clopee			Dusty (0.06)		
			Edom (5%)	Slope (0.50)		
				Dusty (0.05)		
			Hagerstown (5%)	Dusty (0.06)		
ORF	Opequon- Hagerstown complex, steep	Very limited	Opequon (40%)	Slope (1.00)	7.1	0.8%
				Dusty (0.07)		
			Hagerstown (25%)	Slope (1.00)		
				Dusty (0.06)		
OxB	Opequon-Rock outcrop complex, 0 to 8 percent slopes	Somewhat limited	Opequon (65%)	Dusty (0.07)	48.1	5.7%
			Hagerstown (7%)	Dusty (0.06)		
			Nolin (3%)	Dusty (0.05)		
OxD	Opequon-Rock outcrop complex, 8 to 25 percent slopes	Somewhat limited	Opequon (65%)	Slope (0.08)	31.3	3.7%
				Dusty (0.06)		
			Edom (10%)	Slope (0.08)		
				Dusty (0.06)		
URB	Urban land-	ban land- Hagerstown complex, gently sloping	Urban land (40%)		19.2	2.3%
	Hagerstown complex, gently sloping		Shale areas (5%)			
Totals for Area of Interest					842.9	100.0%

Paths and Trails— Summary by Rating Value					
Rating	Acres in AOI	Percent of AOI			
Somewhat limited	770.5	91.4%			
Very limited	53.2	6.3%			
Null or Not Rated	19.2	2.3%			
Totals for Area of Interest	842.9	100.0%			

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## Description

Paths and trails for hiking and horseback riding should require little or no slope modification through cutting and filling.

The ratings are based on the soil properties that affect trafficability and erodibility. These properties are stoniness, depth to a water table, ponding, flooding, slope, and texture of the surface layer.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the specified use. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

## **Rating Options**

Aggregation Method: Dominant Condition Component Percent Cutoff: None Specified Tie-break Rule: Higher