


MAP LEGEND

Area of Interest (AOI)


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Soils


 Soil Map Units

Soil Ratings

 Very limited

 Somewhat limited

 Not limited


 Not rated or not available

Political Features

 Cities

Water Features

 Oceans

 Streams and Canals


Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

MAP INFORMATION

Map Scale: 1:12,900 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:15,840.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 16N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Dane County, Wisconsin
Survey Area Data: Version 6, May 26, 2009

Date(s) aerial images were photographed: 6/23/2005

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Dwellings With Basements

Dwellings With Basements— Summary by Map Unit — Dane County, Wisconsin						
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
BbB	Batavia silt loam, gravelly substratum, 2 to 6 percent slopes	Somewhat limited	Batavia, gravelly substratum (100%)	Shrink-swell (0.50)	249.8	39.0%
Co	Colwood silt loam	Very limited	Colwood (100%)	Ponding (1.00)	74.2	11.6%
				Depth to saturated zone (1.00)		
DnB	Dodge silt loam, 2 to 6 percent slopes	Not limited	Dodge (100%)		5.4	0.8%
DsB	Dresden silt loam, 2 to 6 percent slopes	Not limited	Dresden (100%)		16.8	2.6%
LDF	Landfill	Not rated	Urban Land, landfill (100%)		14.1	2.2%
MdC2	McHenry silt loam, 6 to 12 percent slopes, eroded	Somewhat limited	McHenry (100%)	Slope (0.04)	33.5	5.2%
MdD2	McHenry silt loam, 12 to 20 percent slopes, eroded	Very limited	McHenry (100%)	Too steep (1.00)	5.1	0.8%
Pa	Palms muck	Very limited	Palms (100%)	Ponding (1.00)	9.2	1.4%
				Subsidence (1.00)		
				Depth to saturated zone (1.00)		
SaA	Sable silty clay loam, 0 to 3 percent slopes	Very limited	Sable (100%)	Ponding (1.00)	51.7	8.1%
				Depth to saturated zone (1.00)		
ScB	St. Charles silt loam, 2 to 6 percent slopes	Somewhat limited	St. Charles (100%)	Shrink-swell (0.50)	3.3	0.5%
				Depth to saturated zone (0.16)		
VwA	Virgil silt loam, gravelly substratum, 0 to 3 percent slopes	Very limited	Virgil, gravelly substratum (100%)	Depth to saturated zone (1.00)	175.2	27.4%
				Shrink-swell (0.50)		
W	Water	Not rated	Water greater than 40 acres (100%)		2.3	0.4%
Totals for Area of Interest					640.5	100.0%

Dwellings With Basements— Summary by Rating Value		
Rating	Acres in AOI	Percent of AOI
Very limited	315.3	49.2%
Somewhat limited	286.7	44.8%
Not limited	22.2	3.5%

Dwellings With Basements— Summary by Rating Value		
Rating	Acres in AOI	Percent of AOI
Null or Not Rated	16.4	2.6%
Totals for Area of Interest	640.5	100.0%

Description

Dwellings are single-family houses of three stories or less. For dwellings with basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of about 7 feet.

The ratings for dwellings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility. Compressibility is inferred from the Unified classification of the soil. The properties that affect the ease and amount of excavation include depth to a water table, ponding, flooding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

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