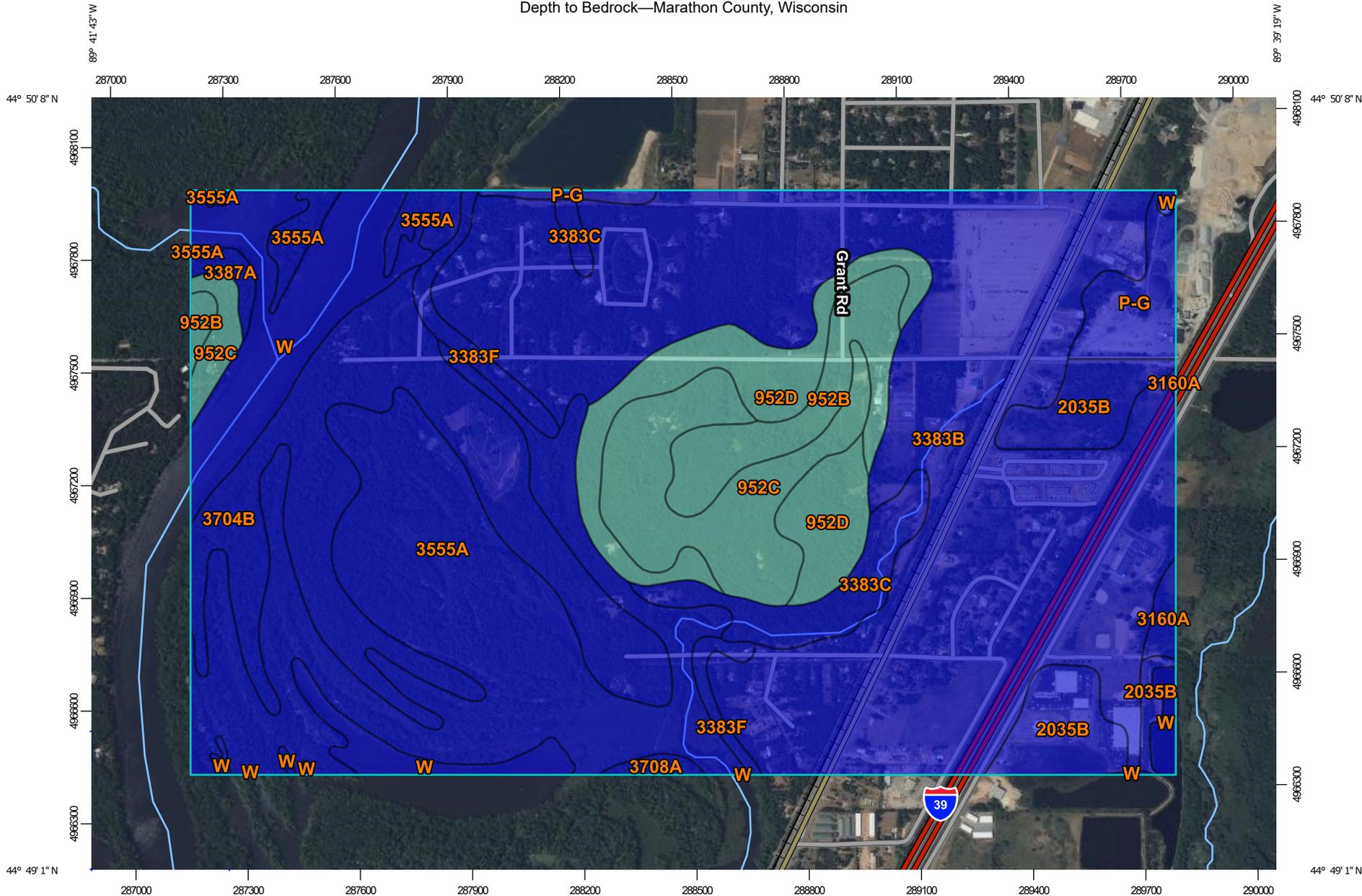


Depth to Bedrock—Marathon County, Wisconsin



Map Scale: 1:14,500 if printed on A landscape (11" x 8.5") sheet.



0 500 1000 2000 3000 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84



MAP LEGEND

Area of Interest (AOI)
 Area of Interest (AOI)

Soils

Soil Rating Polygons

-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200
-  Not rated or not available

Soil Rating Lines

-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200
-  Not rated or not available

Soil Rating Points

-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200

 Not rated or not available

Water Features

-  Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

-  Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

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

Soil Survey Area: Marathon County, Wisconsin
 Survey Area Data: Version 23, Sep 10, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 7, 2023—Jun 8, 2023

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.

Depth to Bedrock

| Map unit symbol | Map unit name | Rating (centimeters) | Acres in AOI | Percent of AOI |
|------------------------------------|--|----------------------|----------------|----------------|
| 952B | Mosinee sandy loam, 2 to 6 percent slopes | 107 | 33.4 | 3.3% |
| 952C | Mosinee sandy loam, 6 to 12 percent slopes | 107 | 59.5 | 5.9% |
| 952D | Mosinee sandy loam, 12 to 20 percent slopes | 107 | 54.7 | 5.4% |
| 2035B | Udorthents, loamy, gently sloping | >200 | 39.4 | 3.9% |
| 3160A | Oesterle sandy loam, 0 to 3 percent slopes | >200 | 4.1 | 0.4% |
| 3383B | Mahtomedi loamy sand, 0 to 6 percent slopes | >200 | 375.5 | 36.9% |
| 3383C | Mahtomedi loamy sand, 6 to 15 percent slopes | >200 | 25.7 | 2.5% |
| 3383F | Mahtomedi loamy sand, 15 to 45 percent slopes | >200 | 14.1 | 1.4% |
| 3387A | Mahtomedi loamy sand, moderately well drained, 0 to 3 percent slopes | >200 | 4.1 | 0.4% |
| 3555A | Fordum silt loam, 0 to 1 percent slopes | >200 | 198.7 | 19.5% |
| 3704B | Dunnville fine sandy loam, 1 to 4 percent slopes | >200 | 113.2 | 11.1% |
| 3708A | Sturgeon silt loam, 0 to 2 percent slopes | >200 | 2.6 | 0.3% |
| P-G | Pits, gravel | >200 | 20.6 | 2.0% |
| W | Water | >200 | 71.5 | 7.0% |
| Totals for Area of Interest | | | 1,017.0 | 100.0% |

Description

The term bedrock in soil survey refers to a continuous root and water restrictive layer of rock that occurs within the soil profile.

There are many types of restrictions that can occur within the soil profile but this theme only includes the three restrictions that use the term bedrock. These are:

- 1) Lithic Bedrock
- 2) Paralithic Bedrock
- 3) Densic Bedrock

Lithic bedrock and paralithic bedrock are comprised of igneous, metamorphic, and sedimentary rocks, which are coherent and consolidated into rock through pressure, heat, cementation, or fusion. Lithic bedrock represents the hardest type of bedrock, with a hardness of strongly coherent to indurated. Paralithic bedrock has a hardness of extremely weakly coherent to moderately coherent. It can occur as a thin layer of weathered bedrock above harder lithic bedrock. Paralithic bedrock can also be much thicker, extending well below the soil profile.

Densic bedrock represents a unique kind of bedrock recognized within the soil survey. It is non-coherent and consolidated, dense root restrictive material, formed by pressure, heat, and dewatering of earth materials or sediments. Densic bedrock differs from densic materials, which formed under the compaction of glaciers, mudflows, and or human-caused compaction.

If more than one type of bedrock is described for an individual soil type, the depth to the shallowest one is given. If no bedrock is described in a map unit, it is represented by the "greater than 200" depth class.

Depth to bedrock is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No