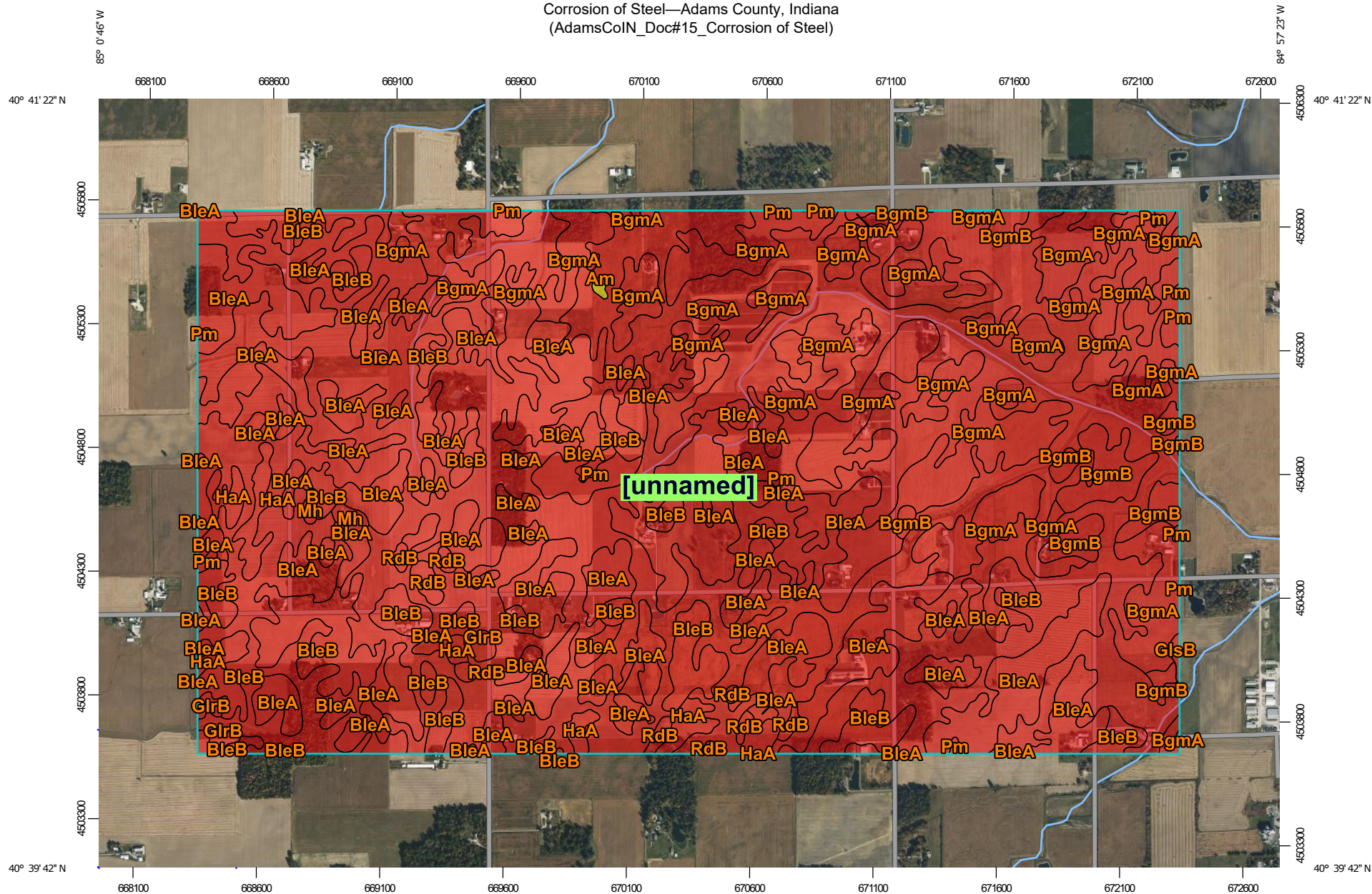


Corrosion of Steel—Adams County, Indiana
(AdamsCoIN_Doc#15_Corrosion of Steel)



Map Scale: 1:21,900 if printed on A landscape (11" x 8.5") sheet.

0 300 600 1200 1800 Meters

0 1000 2000 4000 6000 Feet

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



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

5/11/2021
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MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Background

 Aerial Photography

Soils

Soil Rating Polygons

-  High
-  Moderate
-  Low
-  Not rated or not available

Soil Rating Lines

-  High
-  Moderate
-  Low
-  Not rated or not available

Soil Rating Points

-  High
-  Moderate
-  Low
-  Not rated or not available

Water Features

 Streams and Canals

Transportation

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

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

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: Adams County, Indiana
Survey Area Data: Version 23, Jun 2, 2020

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

Date(s) aerial images were photographed: Oct 14, 2019—Oct 23, 2019

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.

Corrosion of Steel

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Am	Armiesburg silty clay loam, frequently flooded	Moderate	0.9	0.0%
BgmA	Blount silt loam, ground moraine, 0 to 2 percent slopes	High	343.2	15.8%
BgmB	Blount silt loam, ground moraine, 2 to 4 percent slopes	High	48.2	2.2%
BleA	Blount silt loam, end moraine, 0 to 2 percent slopes	High	535.0	24.7%
BleB	Blount silt loam, end moraine, 2 to 4 percent slopes	High	148.7	6.9%
GlrB	Glynwood silt loam, end moraine, 2 to 6 percent slopes	High	6.6	0.3%
GlsB	Glynwood silt loam, ground moraine, 2 to 6 percent slopes	High	1.3	0.1%
HaA	Haskins loam, 0 to 3 percent slopes	High	29.7	1.4%
Mh	Milford silty clay loam, 0 to 2 percent slopes	High	4.2	0.2%
Pm	Pewamo silty clay, 0 to 2 percent slopes	High	1,034.8	47.7%
RdB	Rawson loam, 2 to 6 percent slopes	High	14.5	0.7%
Totals for Area of Interest			2,167.3	100.0%

Description

"Risk of corrosion" pertains to potential soil-induced electrochemical or chemical action that corrodes or weakens uncoated steel. The rate of corrosion of uncoated steel is related to such factors as soil moisture, particle-size distribution, acidity, and electrical conductivity of the soil. Special site examination and design may be needed if the combination of factors results in a severe hazard of corrosion. The steel in installations that intersect soil boundaries or soil layers is more susceptible to corrosion than the steel in installations that are entirely within one kind of soil or within one soil layer.

The risk of corrosion is expressed as "low," "moderate," or "high."