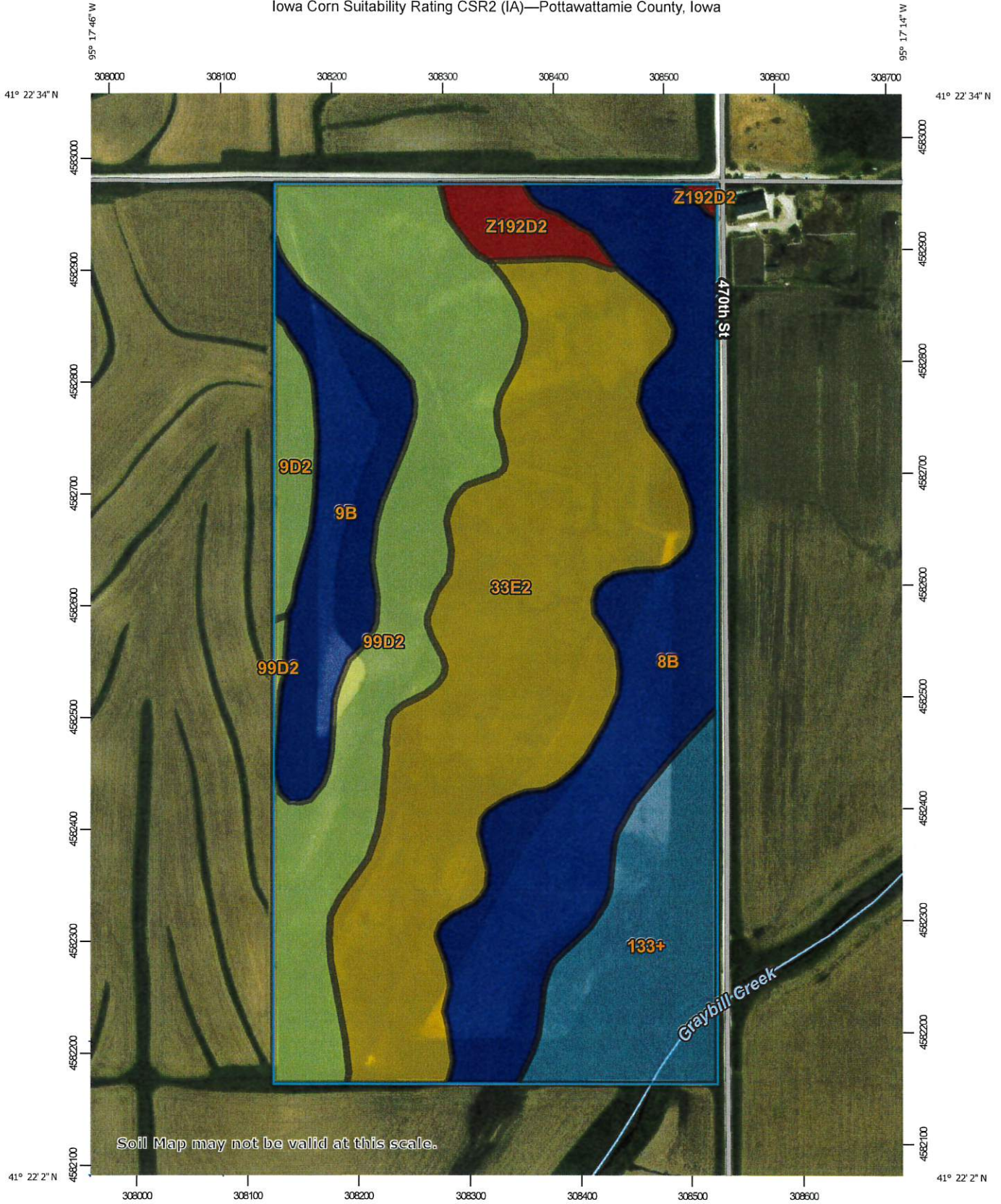
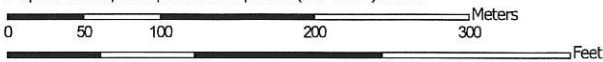


Iowa Corn Suitability Rating CSR2 (IA)—Pottawattamie County, Iowa



Soil Map may not be valid at this scale.

Map Scale: 1:4,710 if printed on A portrait (8.5" x 11") sheet.





























Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

10/18/2019
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MAP LEGEND		MAP INFORMATION	
<p>Area of Interest (AOI)</p> <p> Area of Interest (AOI)</p> <p>Soils</p> <p>Soil Rating Polygons</p> <p> ≤ 14</p> <p> > 14 and ≤ 17</p> <p> > 17 and ≤ 61</p> <p> > 61 and ≤ 78</p> <p> > 78 and ≤ 95</p> <p> Not rated or not available</p> <p>Soil Rating Lines</p> <p> ≤ 14</p> <p> > 14 and ≤ 17</p> <p> > 17 and ≤ 61</p> <p> > 61 and ≤ 78</p> <p> > 78 and ≤ 95</p> <p> Not rated or not available</p> <p>Soil Rating Points</p> <p> ≤ 14</p> <p> > 14 and ≤ 17</p> <p> > 17 and ≤ 61</p> <p> > 61 and ≤ 78</p> <p> > 78 and ≤ 95</p> <p> Not rated or not available</p> <p>Water Features</p> <p> Streams and Canals</p>		<p>Transportation</p> <p> Rails</p> <p> Interstate Highways</p> <p> US Routes</p> <p> Major Roads</p> <p> Local Roads</p> <p>Background</p> <p> Aerial Photography</p>	<p>The soil surveys that comprise your AOI were mapped at 1:15,800.</p> <p>Warning: Soil Map may not be valid at this scale.</p> <p>Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.</p> <p>Please rely on the bar scale on each map sheet for map measurements.</p> <p>Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)</p> <p>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.</p> <p>This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.</p> <p>Soil Survey Area: Pottawattamie County, Iowa Survey Area Data: Version 25, Sep 16, 2019</p> <p>Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.</p> <p>Date(s) aerial images were photographed: Oct 8, 2015—Dec 1, 2016</p> <p>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.</p>

Iowa Corn Suitability Rating CSR2 (IA)

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
8B	Judson silty clay loam, deep loess, 2 to 5 percent slopes	92	16.6	20.9%
9B	Marshall silty clay loam, 2 to 5 percent slopes	95	7.4	9.3%
9D2	Marshall silty clay loam, 9 to 14 percent slopes, eroded	61	2.0	2.5%
33E2	Steinauer clay loam, 14 to 18 percent slopes, moderately eroded	17	25.4	31.9%
99D2	Exira silty clay loam, 9 to 14 percent slopes, eroded	59	17.6	22.0%
133+	Colo silt loam, deep loess, 0 to 2 percent slopes, overwash, occasionally flooded	78	8.9	11.1%
Z192D2	Adair clay loam, deep loess, 9 to 14 percent slopes, eroded	14	1.9	2.4%
Totals for Area of Interest			79.8	100.0%

Description

This attribute is only applicable to soils in the state of Iowa. Corn suitability ratings (CSR2) provide a relative ranking of all soils mapped in the State of Iowa according to their potential for the intensive production of row crops. The CSR2 is an index that can be used to rate the potential yield of one soil against that of another over a period of time. Considered in the ratings are average weather conditions and frequency of use of the soil for row crops. Ratings range from 100 for soils that have no physical limitations, occur on minimal slopes, and can be continuously row cropped to as low as 5 for soils that are severely limited for the production of row crops.

When the soils are rated, the following assumptions are made: a) adequate management, b) natural weather conditions (no irrigation), c) artificial drainage where required, d) no frequent flooding on the lower lying soils, and e) no land leveling or terracing. The weighted CSR2 for a given field can be modified by the occurrence of sandy spots, local deposits, rock and gravel outcrops, field boundaries, and noncrossable drainageways. Even though predicted average yields will change with time, the CSR2 values are expected to remain relatively constant in relation to one another over time.