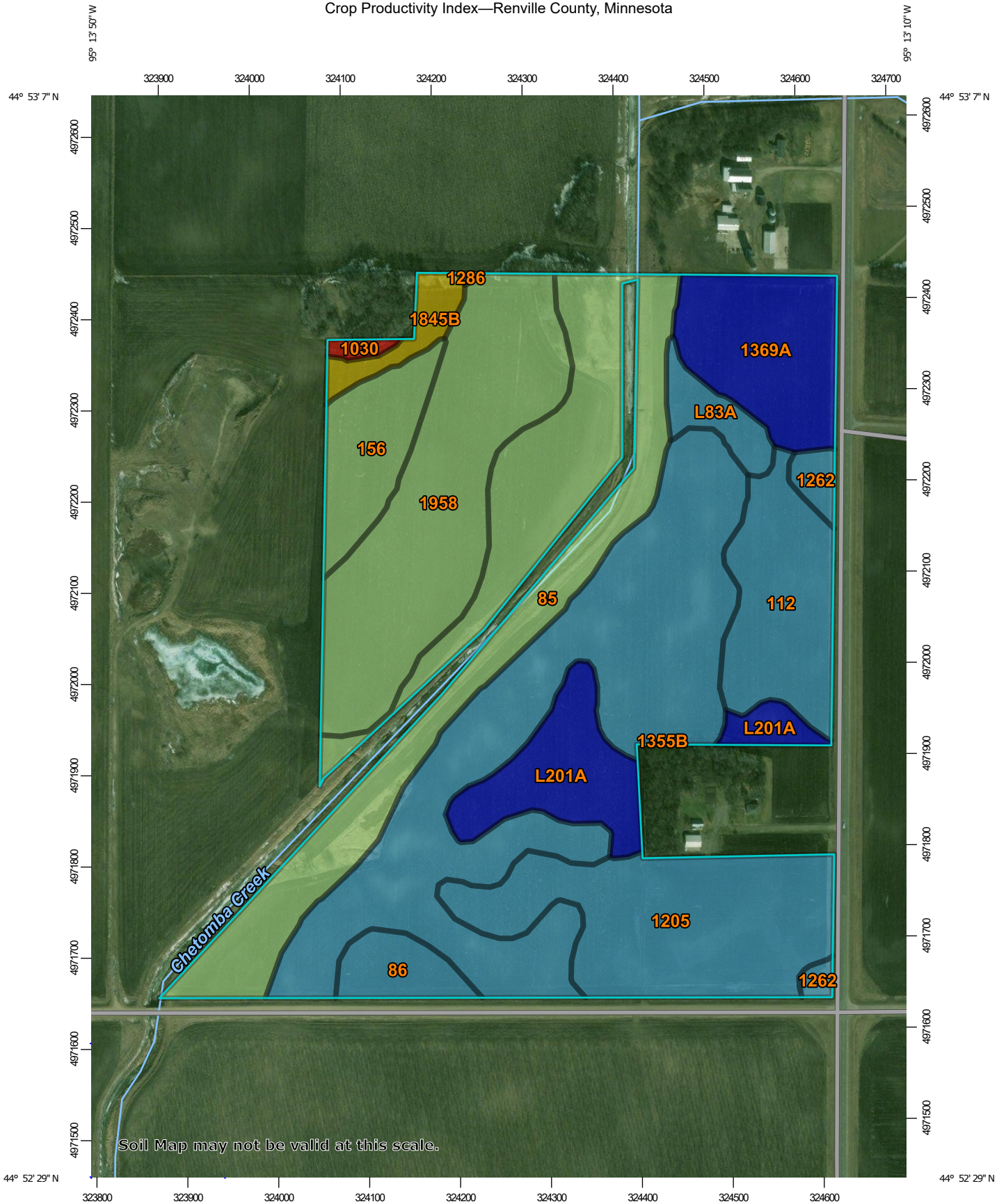


Crop Productivity Index—Renville County, Minnesota



Map Scale: 1:5,780 if printed on A portrait (8.5" x 11") sheet.

0 50 100 200 300 Meters

0 250 500 1000 1500 Feet

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




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

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
MAP LEGEND

Area of Interest (AOI)







 Area of Interest (AOI)

Soils







Soil Rating Polygons

 ≤ 0
 > 0 and ≤ 47
 > 47 and ≤ 81
 > 81 and ≤ 94
 > 94 and ≤ 100
 Not rated or not available


Soil Rating Lines

 ≤ 0
 > 0 and ≤ 47
 > 47 and ≤ 81
 > 81 and ≤ 94
 > 94 and ≤ 100
 Not rated or not available






Soil Rating Points

 ≤ 0
 > 0 and ≤ 47
 > 47 and ≤ 81
 > 81 and ≤ 94
 > 94 and ≤ 100
 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.

Warning: Soil Map may not be valid at this scale.

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.

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: Renville County, Minnesota
 Survey Area Data: Version 16, Sep 16, 2019

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

Date(s) aerial images were photographed: Sep 5, 2013—Nov 4, 2016

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.

Crop Productivity Index

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
85	Calco silty clay loam, 0 to 2 percent slopes, occasionally flooded	81	19.3	18.6%
86	Canisteo clay loam, 0 to 2 percent slopes	92	2.1	2.0%
112	Harps clay loam, 0 to 2 percent slopes	90	7.0	6.8%
156	Fairhaven silt loam, 0 to 2 percent slopes	78	4.3	4.2%
1030	Pits, gravel-Udipsamments complex	0	0.4	0.3%
1205	Leen-Okoboji, depressional, complex, 0 to 2 percent slopes	89	12.6	12.1%
1262	Seaforth silt loam, 1 to 3 percent slopes	94	1.1	1.0%
1286	Prinsburg silty clay loam, 0 to 2 percent slopes	91	0.0	0.0%
1355B	Amiret-Swanlake loams, 2 to 6 percent slopes	90	25.1	24.3%
1369A	Crooksford silt loam, 1 to 3 percent slopes	100	6.8	6.6%
1845B	Estherville sandy loam, 2 to 6 percent slopes	47	1.6	1.5%
1958	Danube silty clay, 0 to 2 percent slopes	74	15.3	14.8%
L83A	Webster clay loam, 0 to 2 percent slopes	93	1.8	1.7%
L201A	Normania loam, 1 to 3 percent slopes	98	6.2	6.0%
Totals for Area of Interest			103.5	100.0%

Description

Crop productivity index ratings provide a relative ranking of soils based on their potential for intensive crop production. An index can be used to rate the potential yield of one soil against that of another over a period of time. Ratings range from 0 to 100. The higher numbers indicate higher production potential. The rating is not crop specific. Minnesota inquiries must use the 'Map Unit Cropland Productivity Report (MN)' soils report from the Soil Reports tab under 'Vegetative Productivity'.

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. Even though predicted average yields will change with time, the productivity indices are expected to remain relatively constant in relation to one another over time.

Rating Options

Aggregation Method: Weighted Average

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Interpret Nulls as Zero: Yes