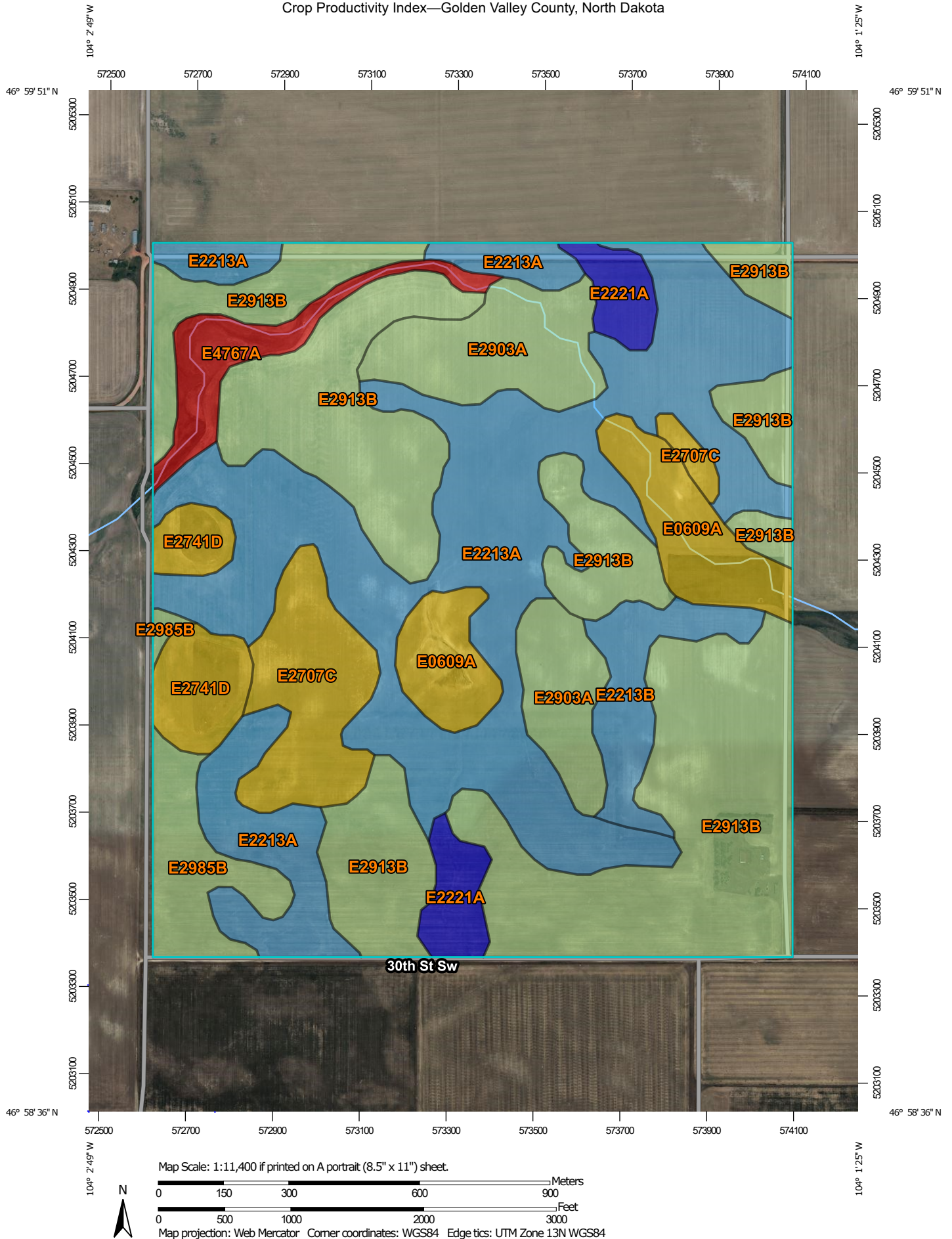


Crop Productivity Index—Golden Valley County, North Dakota



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

Soil Rating Polygons

 ≤ 26
 > 26 and ≤ 44
 > 44 and ≤ 76
 > 76 and ≤ 86
 > 86 and ≤ 96
 Not rated or not available

Soil Rating Lines

 ≤ 26
 > 26 and ≤ 44
 > 44 and ≤ 76
 > 76 and ≤ 86
 > 86 and ≤ 96
 Not rated or not available

Soil Rating Points

 ≤ 26
 > 26 and ≤ 44
 > 44 and ≤ 76
 > 76 and ≤ 86
 > 86 and ≤ 96
 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 1:24,000.

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: Golden Valley County, North Dakota
 Survey Area Data: Version 24, Sep 9, 2021

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

Date(s) aerial images were photographed: May 29, 2021—Jun 14, 2021

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
E0609A	Belfield-Grail-Arnegard complex, saline, 0 to 2 percent slopes	43	35.1	5.9%
E2213A	Golva silt loam, 0 to 2 percent slopes	86	185.2	30.9%
E2213B	Golva silt loam, 2 to 6 percent slopes	82	19.3	3.2%
E2221A	Grassna silt loam, 0 to 2 percent slopes	96	17.3	2.9%
E2707C	Cabba-Chama silt loams, 3 to 9 percent slopes	44	33.6	5.6%
E2741D	Cabba-Chama-Sen silt loams, 9 to 15 percent slopes	36	19.9	3.3%
E2903A	Chama-Sen silt loams, 0 to 3 percent slopes	72	45.9	7.7%
E2913B	Chama-Sen-Cabba silt loams, 3 to 6 percent slopes	67	204.1	34.1%
E2985B	Sen-Golva silt loams, 3 to 6 percent slopes	76	21.4	3.6%
E4767A	Regan silt loam, saline, 0 to 2 percent slopes, occasionally flooded	26	16.8	2.8%
Totals for Area of Interest			598.7	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