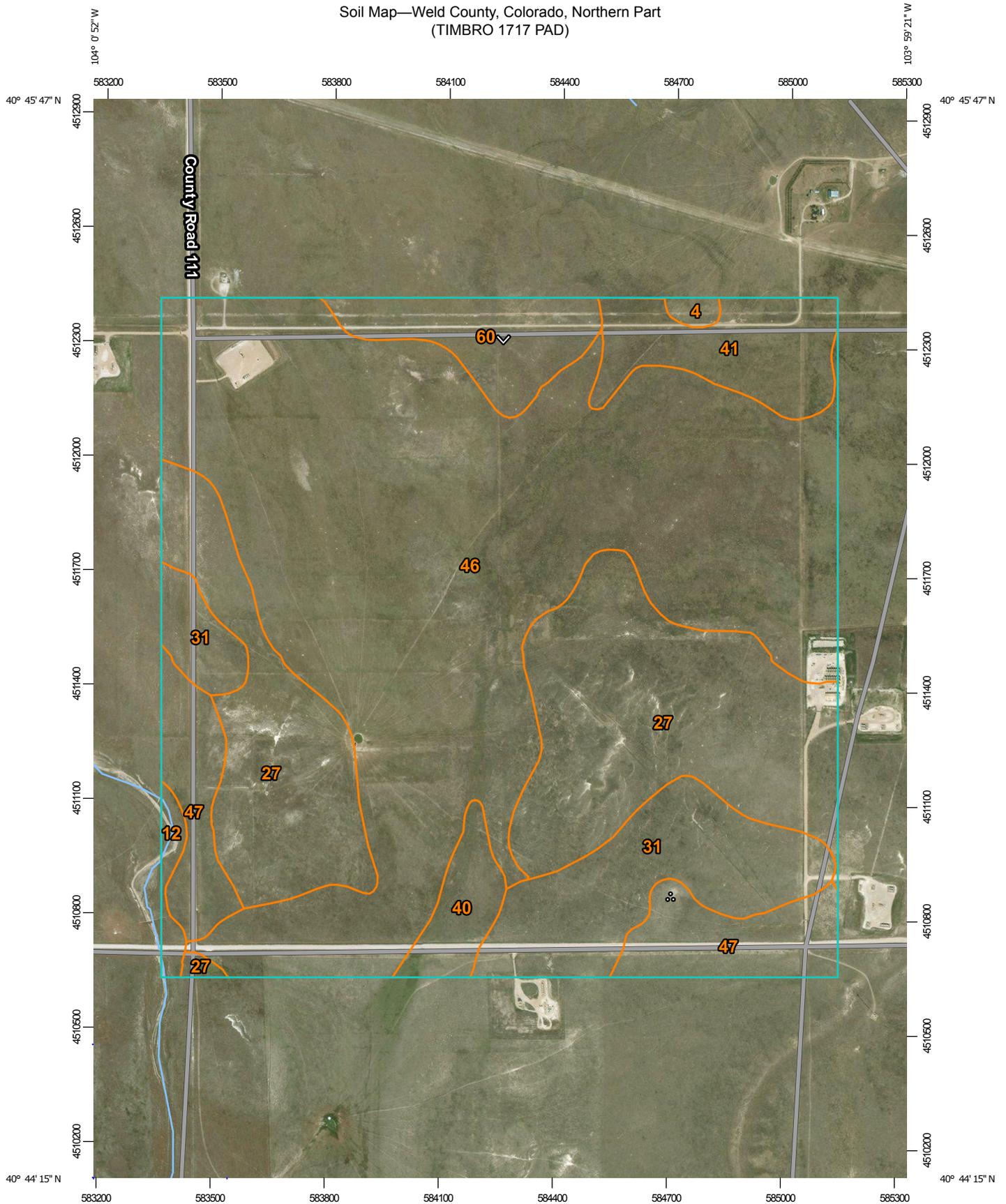
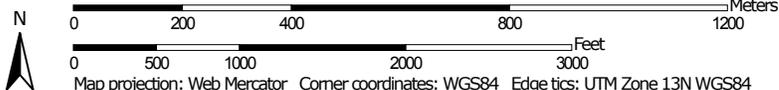


Soil Map—Weld County, Colorado, Northern Part
(TIMBRO 1717 PAD)



Map Scale: 1:113,800 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84



Natural Resources
Conservation Service

Web Soil Survey
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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
4	Ascalon fine sandy loam, 0 to 6 percent slopes	2.4	0.3%
12	Bankard loamy fine sand, 0 to 3 percent slopes	5.6	0.7%
27	Epping silt loam, 0 to 9 percent slopes	180.0	22.9%
31	Kim-Mitchell complex, 0 to 6 percent slopes	71.0	9.0%
40	Nunn loam, 0 to 6 percent slopes	15.7	2.0%
41	Nunn clay loam, 0 to 6 percent slopes	35.4	4.5%
46	Otero sandy loam, 0 to 3 percent slopes	396.5	50.4%
47	Otero sandy loam, 3 to 9 percent slopes	50.0	6.4%
60	Shingle clay loam, 0 to 9 percent slopes	30.0	3.8%
Totals for Area of Interest		786.6	100.0%

Weld County, Colorado, Northern Part

41—Nunn clay loam, 0 to 6 percent slopes

Map Unit Setting

National map unit symbol: 2tlpp
Elevation: 4,560 to 6,080 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 135 to 160 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Nunn and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Nunn

Setting

Landform: Terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Pleistocene aged alluvium and/or eolian deposits

Typical profile

Ap - 0 to 6 inches: clay loam
Bt1 - 6 to 10 inches: clay loam
Bt2 - 10 to 26 inches: clay loam
Btk - 26 to 31 inches: clay loam
Bk - 31 to 80 inches: clay loam

Properties and qualities

Slope: 0 to 6 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat):
Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 5 percent
Salinity, maximum in profile: Nonsaline (0.1 to 1.0 mmhos/cm)
Available water storage in profile: High (about 9.0 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C

Ecological site: Clayey Plains (R067BY042CO)
Hydric soil rating: No

Minor Components

Manzanst

Percent of map unit: 10 percent
Landform: Terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: Clayey Plains (R067BY042CO)
Hydric soil rating: No

Avar

Percent of map unit: 5 percent
Landform: Swales on terraces, swales on terraces
Landform position (three-dimensional): Tread
Down-slope shape: Concave, linear
Across-slope shape: Concave, linear
Ecological site: Salt Flat (R067BY033CO)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part
Survey Area Data: Version 12, Oct 10, 2017

Weld County, Colorado, Northern Part

46—Otero sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 3600

Elevation: 4,500 to 5,500 feet

Mean annual precipitation: 12 to 15 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 130 to 180 days

Farmland classification: Not prime farmland

Map Unit Composition

Otero and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Otero

Setting

Landform: Alluvial fans, plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous loamy alluvium

Typical profile

H1 - 0 to 5 inches: sandy loam

H2 - 5 to 60 inches: sandy loam, fine sandy loam

H2 - 5 to 60 inches:

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.57 to 5.95 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 10 percent

Salinity, maximum in profile: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Available water storage in profile: Very high (about 14.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: A

Ecological site: Sandy Plains (R067BY024CO)

Hydric soil rating: No

Minor Components

Stoneham

Percent of map unit: 5 percent

Hydric soil rating: No

Bushman

Percent of map unit: 4 percent

Hydric soil rating: No

Kim

Percent of map unit: 3 percent

Hydric soil rating: No

Mitchell

Percent of map unit: 3 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 12, Oct 10, 2017