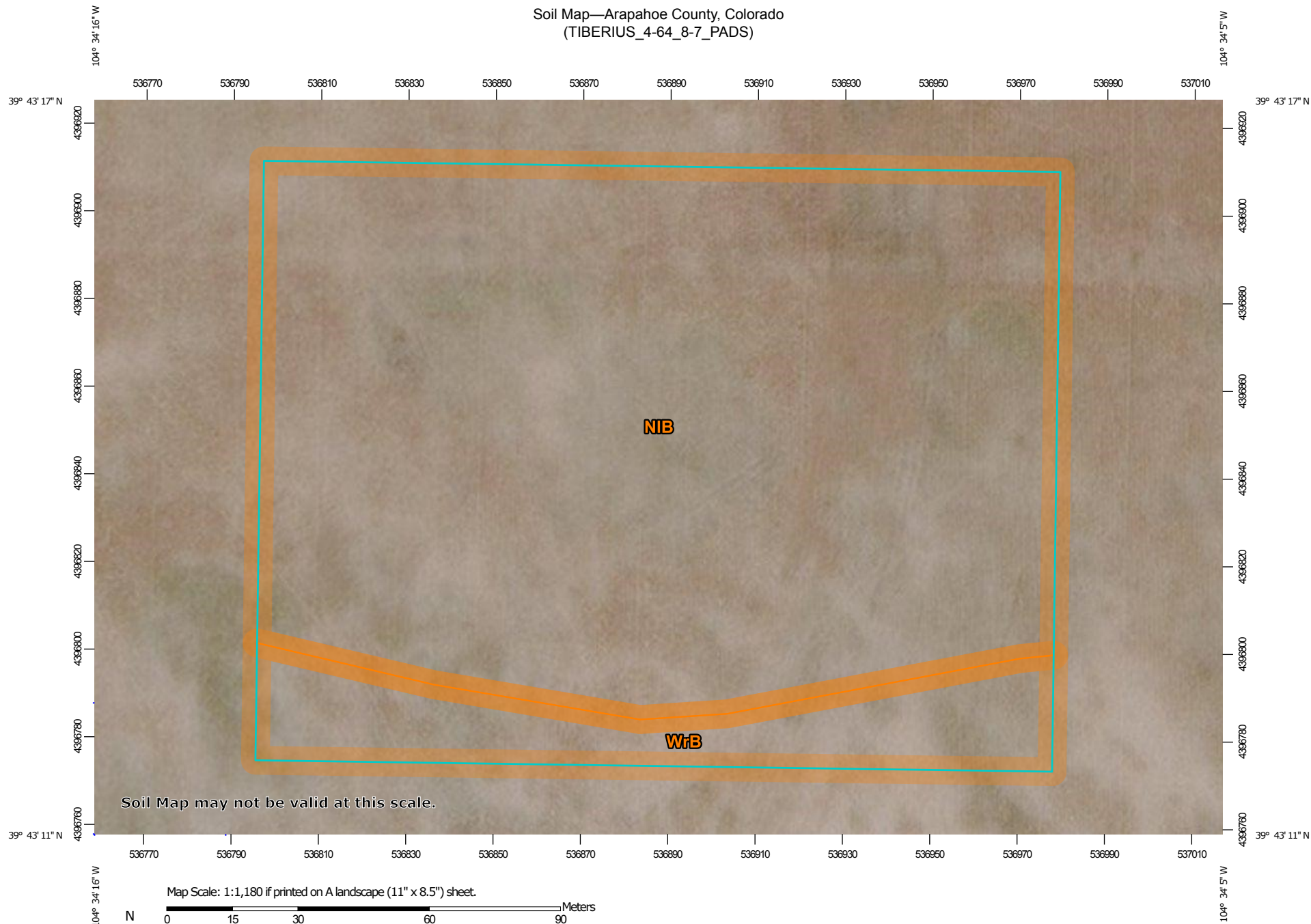
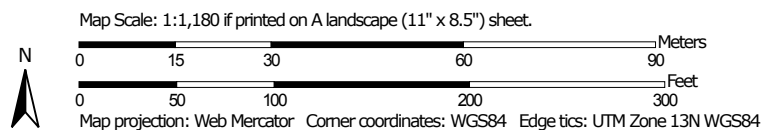


# Soil Map—Arapahoe County, Colorado (TIBERIUS\_4-64\_8-7\_PADS)



Soil Map may not be valid at this scale.



**Natural Resources  
Conservation Service**


Web Soil Survey  
National Cooperative Soil Survey

8/10/2018  
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Soil Map—Arapahoe County, Colorado  
(TIBERIUS\_4-64\_8-7\_PADS)


## MAP LEGEND

### Area of Interest (AOI)

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### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### 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: Arapahoe County, Colorado

Survey Area Data: Version 13, Oct 10, 2017

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

Date(s) aerial images were photographed: Jul 17, 2015—Mar 9, 2017

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.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
NIB	Nunn loam, 1 to 3 percent slopes	5.4	86.9%
WrB	Weld-Deertrail silt loams, 0 to 3 percent slopes	0.8	13.1%
<b>Totals for Area of Interest</b>		<b>6.2</b>	<b>100.0%</b>

## Arapahoe County, Colorado

### NIB—Nunn loam, 1 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2tln2

*Elevation:* 3,900 to 6,250 feet

*Mean annual precipitation:* 13 to 16 inches

*Mean annual air temperature:* 46 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:* loam

*Bt1 - 6 to 10 inches:* clay loam

*Bt2 - 10 to 26 inches:* clay loam

*Btk - 26 to 31 inches:* clay loam

*Bk1 - 31 to 47 inches:* loam

*Bk2 - 47 to 80 inches:* loam

##### Properties and qualities

*Slope:* 1 to 3 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:* 7 percent

*Salinity, maximum in profile:* Nonsaline (0.1 to 1.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 0.5

*Available water storage in profile:* High (about 9.2 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated): 4e*  
*Hydrologic Soil Group: C*  
*Ecological site: Loamy Plains (R067BY002CO)*  
*Hydric soil rating: No*

### **Minor Components**

#### **Wages**

*Percent of map unit: 8 percent*  
*Landform: Alluvial fans, terraces*  
*Landform position (three-dimensional): Tread*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Ecological site: Loamy Plains (R067BY002CO)*  
*Hydric soil rating: No*

#### **Fort collins**

*Percent of map unit: 5 percent*  
*Landform: Terraces*  
*Landform position (three-dimensional): Tread*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Ecological site: Loamy Plains (R067BY002CO)*  
*Hydric soil rating: No*

#### **Haverson, very rarely flooded**

*Percent of map unit: 2 percent*  
*Landform: Alluvial fans, terraces, drainageways*  
*Landform position (three-dimensional): Tread*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear, concave*  
*Ecological site: Overflow (R067BY036CO)*  
*Hydric soil rating: No*

## **Data Source Information**

Soil Survey Area: Arapahoe County, Colorado  
Survey Area Data: Version 13, Oct 10, 2017

## Arapahoe County, Colorado

### WrB—Weld-Deertrail silt loams, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 34zv

*Elevation:* 3,600 to 6,200 feet

*Mean annual precipitation:* 13 to 17 inches

*Mean annual air temperature:* 46 to 55 degrees F

*Frost-free period:* 100 to 170 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Weld and similar soils:* 60 percent

*Deertrail and similar soils:* 25 percent

*Minor components:* 15 percent

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

#### Description of Weld

##### Setting

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Loam silty and clayey eolian deposits

##### Typical profile

*H1 - 0 to 5 inches:* silt loam

*H2 - 5 to 14 inches:* silty clay loam, silty clay, clay

*H2 - 5 to 14 inches:* silt loam, loam, silty clay loam

*H2 - 5 to 14 inches:* silt loam, loam, sandy loam

*H3 - 14 to 26 inches:*

*H3 - 14 to 26 inches:*

*H3 - 14 to 26 inches:*

*H4 - 26 to 60 inches:*

*H4 - 26 to 60 inches:*

*H4 - 26 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:* Low

*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:* 6 percent

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* Very high (about 27.3 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3c

*Hydrologic Soil Group:* C

*Ecological site:* Loamy Plains (R067BY002CO)

*Hydric soil rating:* No

### **Description of Deertrail**

#### **Setting**

*Landform:* Depressions

*Down-slope shape:* Linear

*Across-slope shape:* Linear

#### **Typical profile**

*H1 - 0 to 2 inches:* silt loam

*H2 - 2 to 9 inches:* clay

*H3 - 9 to 12 inches:* silty clay

*H4 - 12 to 32 inches:* silty clay loam

*H5 - 32 to 60 inches:* silt loam

#### **Properties and qualities**

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*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:* 15 percent

*Gypsum, maximum in profile:* 2 percent

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

*Sodium adsorption ratio, maximum in profile:* 35.0

*Available water storage in profile:* High (about 10.7 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4s

*Hydrologic Soil Group:* C

*Ecological site:* Alkaline Plains (R067BY047CO)

*Hydric soil rating:* No

### **Minor Components**

#### **Heldt**

*Percent of map unit:* 7 percent

*Hydric soil rating:* No

#### **Colby**

*Percent of map unit:* 6 percent

*Hydric soil rating:* No

**Adena**

*Percent of map unit:* 2 percent

*Hydric soil rating:* No

**Data Source Information**

Soil Survey Area: Arapahoe County, Colorado

Survey Area Data: Version 13, Oct 10, 2017