

# Map Unit Description

Arapahoe County, Colorado

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

### **Setting**

Landscape: Uplands  
Elevation: 3600 to 6200 feet  
Mean annual precipitation: 13 to 17 inches  
Mean annual air temperature: 46 to 55 degrees F  
Frost-free period: 100 to 170 days

### **Composition**

Weld and similar soils: 60 percent  
Deertrail and similar soils: 25 percent  
Minor components: 15 percent

### **Description of Weld**

#### **Setting**

Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Loam silty and clayey eolian deposits

#### **Properties and Qualities**

Slope: 0 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 6 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 9.7 inches)

#### **Interpretive Groups**

Land capability (non irrigated): 3c  
Ecological site: Loamy Plains (R067BY002CO)

#### **Typical Profile**

0 to 5 inches: silt loam  
5 to 14 inches: silty clay loam, silty clay, clay  
14 to 26 inches: silt loam, loam, silty clay loam  
26 to 60 inches: silt loam, loam, sandy loam

### **Description of Deertrail**

#### **Setting**

Landform: Depressions  
Down-slope shape: Linear  
Across-slope shape: Linear

#### **Properties and Qualities**

Slope: 0 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 2 percent  
Sodium adsorption ratio maximum: 35.0  
Available water capacity: High (about 10.7 inches)

#### **Interpretive Groups**

Land capability (non irrigated): 4s  
Ecological site: Alkaline Plains (R067BY047CO)

#### **Typical Profile**

0 to 2 inches: silt loam  
2 to 9 inches: clay  
9 to 12 inches: silty clay

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12 to 32 inches: silty clay loam  
32 to 60 inches: silt loam

### Minor Components

#### Heldt

Percent of map unit: 7 percent

#### Colby

Percent of map unit: 6 percent

#### Adena

Percent of map unit: 2 percent