

**Map Unit Description** T7N/R63W, Sec 36 SW1/4SW2/4

Weld County, Colorado, Northern Part Weld County, Colorado

63 Tassel loamy fine sand, 5 to 20 percent slopes

**Setting**

Elevation: 3500 to 6200 feet  
Mean annual precipitation: 12 to 19 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 110 to 165 days

**Composition**

Tassel and similar soils: 90 percent  
Minor components: 10 percent

**Description of Tassel**

**Setting**

Landform: Plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous loamy residuum weathered from sandstone

**Properties and Qualities**

Slope: 5 to 20 percent  
Depth to restrictive feature: 10 to 20 inches to Paralithic bedrock  
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: 10 percent  
Gypsum maximum: 0 percent  
Available water capacity: Very low (about 2.1 inches)

**Interpretive Groups**

Land capability (non irrigated): 6e  
Ecological site: Sandstone Breaks (R067BY056CO)

**Typical Profile**

0 to 7 inches: loamy fine sand  
7 to 19 inches: fine sandy loam  
19 to 23 inches: weathered bedrock

**Minor Components**

**Shingle**

Percent of map unit: 5 percent

**Rock outcrop**

Percent of map unit: 5 percent

Crow Creek State AC36-78-1H<sub>N</sub>,  
78H<sub>N</sub>, 79-1H<sub>N</sub>

## Map Unit Description

Weld County, Colorado, Northern Part

T7N R63W, Sec36 SW/4SW/4  
Weld County, Colorado

72 Vona loamy sand, 3 to 9 percent slopes

### Setting

Elevation: 4000 to 5500 feet  
Mean annual precipitation: 13 to 15 inches  
Mean annual air temperature: 48 to 55 degrees F  
Frost-free period: 130 to 160 days

### Composition

Vona and similar soils: 85 percent  
Minor components: 15 percent

### Description of Vona

#### Setting

Landform: Plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous sandy alluvium and/or eolian deposits

#### Properties and Qualities

Slope: 3 to 9 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 6.5 inches)

#### Interpretive Groups

Land capability (non irrigated): 6e  
Ecological site: Deep Sand (R067BY015CO)

#### Typical Profile

0 to 2 inches: loamy sand  
2 to 20 inches: fine sandy loam, sandy loam  
20 to 60 inches: loamy sand

### Minor Components

#### Remmit

Percent of map unit: 8 percent

#### Valent

Percent of map unit: 5 percent

#### Olney

Percent of map unit: 2 percent