

Wright PC AC 32-07  
T7N-R63W-section 32; SWNE

## Map Unit Description

Weld County, Colorado, Northern Part

### 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

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## Map Unit Description

Weld County, Colorado, Northern Part

### 55 Renohill fine sandy loam, 0 to 6 percent slopes

#### Setting

Elevation: 3600 to 6200 feet  
Mean annual precipitation: 11 to 16 inches  
Mean annual air temperature: 46 to 48 degrees F  
Frost-free period: 100 to 160 days

#### Composition

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

#### Description of Renohill

##### Setting

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

##### Properties and Qualities

Slope: 0 to 6 percent  
Depth to restrictive feature: 20 to 40 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: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 5.4 inches)

##### Interpretive Groups

Land capability (non irrigated): 4e  
Ecological site: Loamy Plains (R067BY002CO)

##### Typical Profile

0 to 5 inches: fine sandy loam  
5 to 18 inches: clay  
18 to 32 inches: clay loam  
32 to 36 inches: unweathered bedrock

#### Minor Components

##### Shingle

Percent of map unit: 5 percent

##### Midway

Percent of map unit: 4 percent

##### Ulm

Percent of map unit: 3 percent

##### Other soils

Percent of map unit: 3 percent