

## Map Unit Description

Weld County, Colorado, Northern Part

Vigilant State AC 16-03  
Section 16, T7N, R63W  
NE/NW

56 Renohill fine sandy loam, 6 to 9 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: 6 to 9 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 5.0 inches)

#### Interpretive Groups

Land capability (non irrigated): 6e  
Ecological site: Loamy Plains (R067BY002CO)

#### Typical Profile

0 to 4 inches: fine sandy loam  
4 to 17 inches: clay  
17 to 29 inches: clay loam  
29 to 33 inches: unweathered bedrock

### Minor Components

#### Platner

Percent of map unit: 5 percent

#### Midway

Percent of map unit: 5 percent

#### Other soils

Percent of map unit: 3 percent

#### Ulm

Percent of map unit: 2 percent

Vigilant state AC 16-03

7N-43W-16'. NE/NW

## 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