

# Map Unit Description

Weld County, Colorado, Northern Part

## 57 Renohill-Shingle complex, 3 to 9 percent slopes

### Setting

Elevation: 3600 to 6200 feet  
Mean annual precipitation: 10 to 16 inches  
Mean annual air temperature: 46 to 48 degrees F  
Frost-free period: 100 to 160 days

### Composition

Renohill and similar soils: 50 percent  
Shingle and similar soils: 35 percent  
Minor components: 15 percent

### Description of Renohill

#### Setting

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

#### Properties and Qualities

Slope: 3 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): 4e  
Ecological site: Loamy Plains (R067BY002CO)

#### Typical Profile

0 to 4 inches: fine sandy loam  
4 to 13 inches: clay  
13 to 29 inches: clay loam  
29 to 33 inches: unweathered bedrock

### Description of Shingle

#### Setting

Landform: Breaks, plains, ridges  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous loamy residuum weathered from shale

#### Properties and Qualities

Slope: 3 to 9 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: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: Very low (about 2.1 inches)

#### Interpretive Groups

Land capability classification (irrigated): 6s  
Land capability (non irrigated): 6s  
Ecological site: Shaly Plains (R067BY045CO)

#### Typical Profile

## Map Unit Description

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0 to 4 inches: clay loam  
4 to 11 inches: clay loam  
11 to 15 inches: unweathered bedrock

### Minor Components

#### Midway

Percent of map unit: 8 percent

#### Tassel

Percent of map unit: 7 percent