

## Map Unit Description

Weld County, Colorado, Southern Part

### 57 Renohill clay loam, 3 to 9 percent slopes

#### Setting

Elevation: 4850 to 5200 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: 13 percent

#### Description of Renohill

##### Setting

Landform: Ridges, hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: 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: 5 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 5.6 inches)

##### Interpretive Groups

Land capability classification (irrigated): 4e  
Land capability (non irrigated): 4e  
Ecological site: Clayey Plains (R067BY042CO)

##### Typical Profile

0 to 9 inches: clay loam  
9 to 32 inches: clay loam  
32 to 36 inches: unweathered bedrock

#### Minor Components

##### Shingle

Percent of map unit: 8 percent

##### Ulm

Percent of map unit: 5 percent