

## Weld County, Colorado, Northern Part

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

#### Map Unit Setting

*National map unit symbol:* 360d

*Elevation:* 3,600 to 6,200 feet

*Mean annual precipitation:* 10 to 16 inches

*Mean annual air temperature:* 46 to 48 degrees F

*Frost-free period:* 100 to 160 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Renohill and similar soils:* 50 percent

*Shingle and similar soils:* 35 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Renohill

##### Setting

*Landform:* Ridges, plains, breaks

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Calcareous, clayey loamy residuum weathered from shale

##### Typical profile

*H1 - 0 to 4 inches:* fine sandy loam

*H2 - 4 to 13 inches:* clay

*H3 - 13 to 29 inches:* clay loam

*H4 - 29 to 33 inches:* unweathered bedrock

##### Properties and qualities

*Slope:* 3 to 9 percent

*Depth to restrictive feature:* 20 to 40 inches to paralithic bedrock

*Natural drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 15 percent

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* Low (about 5.0 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* D  
*Ecological site:* Loamy Plains (R067BY002CO)  
*Hydric soil rating:* No

### **Description of Shingle**

#### **Setting**

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

#### **Typical profile**

*H1 - 0 to 4 inches:* clay loam  
*H2 - 4 to 11 inches:* clay loam  
*H3 - 11 to 15 inches:* unweathered bedrock

#### **Properties and qualities**

*Slope:* 3 to 9 percent  
*Depth to restrictive feature:* 10 to 20 inches to paralithic bedrock  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to moderately high (0.06 to 0.20 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 15 percent  
*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* Very low (about 2.1 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* 6s  
*Land capability classification (nonirrigated):* 6s  
*Hydrologic Soil Group:* D  
*Ecological site:* Shaly Plains (R067BY045CO)  
*Hydric soil rating:* No

### **Minor Components**

#### **Midway**

*Percent of map unit:* 8 percent  
*Hydric soil rating:* No

#### **Tassel**

*Percent of map unit:* 7 percent  
*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part  
Survey Area Data: Version 12, Oct 10, 2017