

## Weld County, Colorado, Southern Part

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

#### Map Unit Setting

*National map unit symbol:* 363b  
*Elevation:* 4,600 to 4,750 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

*Shingle and similar soils:* 65 percent  
*Renohill and similar soils:* 25 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Shingle

##### Setting

*Landform:* Hills, plains, ridges  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Residuum weathered from calcareous shale

##### Typical profile

*H1 - 0 to 6 inches:* loam  
*H2 - 6 to 18 inches:* clay loam  
*H3 - 18 to 22 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:* Low (about 3.3 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

## **Description of Renohill**

### **Setting**

*Landform:* Hills, plains, ridges

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Residuum weathered from shale

### **Typical profile**

*H1 - 0 to 9 inches:* clay loam

*H2 - 9 to 32 inches:* clay loam

*H3 - 32 to 36 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:* 5 percent

*Available water storage in profile:* Low (about 5.6 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* 4e

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* D

*Ecological site:* Clayey Plains (R067BY042CO)

*Hydric soil rating:* No

## **Minor Components**

### **Terry**

*Percent of map unit:* 3 percent

*Hydric soil rating:* No

### **Rock outcrop**

*Percent of map unit:* 3 percent

*Hydric soil rating:* No

### **Ulm**

*Percent of map unit:* 2 percent

*Hydric soil rating:* No

### **Stoneham**

*Percent of map unit:* 2 percent

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part  
Survey Area Data: Version 17, Sep 10, 2018