

## Weld County, Colorado, Northern Part

### 56—Renohill fine sandy loam, 6 to 9 percent slopes

#### Map Unit Setting

*National map unit symbol:* 360c

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

*Mean annual precipitation:* 11 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:* 85 percent

*Minor components:* 15 percent

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

#### Description of Renohill

##### Setting

*Landform:* Plains

*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 17 inches:* clay

*H3 - 17 to 29 inches:* clay loam

*H4 - 29 to 33 inches:* unweathered bedrock

##### Properties and qualities

*Slope:* 6 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 (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):* 6e

*Hydrologic Soil Group:* D

*Ecological site:* Loamy plains (R067BY002CO)

### **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

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 10, Sep 23, 2014