

## Weld County, Colorado, Northern Part

### 55—Renohill fine sandy loam, 0 to 6 percent slopes

#### Map Unit Setting

*National map unit symbol:* 360b

*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 5 inches:* fine sandy loam

*H2 - 5 to 18 inches:* clay

*H3 - 18 to 32 inches:* clay loam

*H4 - 32 to 36 inches:* unweathered bedrock

##### Properties and qualities

*Slope:* 0 to 6 percent

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

*Natural drainage class:* Well drained

*Runoff class:* Low

*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 5.4 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

#### **Minor Components**

##### **Shingle**

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

##### **Midway**

*Percent of map unit:* 4 percent

*Hydric soil rating:* No

##### **Ulm**

*Percent of map unit:* 3 percent

*Hydric soil rating:* No

##### **Other soils**

*Percent of map unit:* 3 percent

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 12, Oct 10, 2017