

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 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): 6e

Hydrologic Soil Group: D

Ecological site: Loamy Plains (R067BY002CO)

Hydric soil rating: No

Minor Components

Platner

Percent of map unit: 5 percent

Hydric soil rating: No

Midway

Percent of map unit: 5 percent

Hydric soil rating: No

Other soils

Percent of map unit: 3 percent

Hydric soil rating: No

Ulm

Percent of map unit: 2 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 12, Oct 10, 2017