

Weld County, Colorado, Northern Part

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

Map Unit Setting

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

Map Unit Composition

Renohill and similar soils: 50 percent
Shingle and similar soils: 35 percent
Minor components: 15 percent

Description of Renohill

Setting

Landform: Ridges, breaks, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous, clayey loamy residuum weathered from shale

Properties and qualities

Slope: 3 to 9 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Well drained
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 content: 15 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Low (about 5.0 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: Loamy Plains (R067BY002CO)

Typical profile

0 to 4 inches: Fine sandy loam
4 to 13 inches: Clay
13 to 29 inches: Clay loam
29 to 33 inches: Unweathered bedrock

Description of Shingle

Setting

Landform: Breaks, ridges, plains

Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy residuum weathered from shale

Properties and qualities

Slope: 3 to 9 percent
Depth to restrictive feature: 10 to 20 inches to paralithic bedrock
Drainage class: Well drained
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 content: 15 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Very low (about 2.1 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability classification (irrigated): 6s
Land capability (nonirrigated): 6s
Hydrologic Soil Group: D
Ecological site: Shaly Plains (R067BY045CO)

Typical profile

0 to 4 inches: Clay loam
4 to 11 inches: Clay loam
11 to 15 inches: Unweathered bedrock

Minor Components

Midway

Percent of map unit: 8 percent

Tassel

Percent of map unit: 7 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part
Survey Area Data: Version 9, Dec 23, 2013