

Weld County, Colorado, Northern Part

41—Nunn clay loam, 0 to 6 percent slopes

Map Unit Setting

Elevation: 4,500 to 6,700 feet

Mean annual precipitation: 12 to 18 inches

Mean annual air temperature: 46 to 54 degrees F

Frost-free period: 115 to 180 days

Map Unit Composition

Nunn and similar soils: 85 percent

Minor components: 15 percent

Description of Nunn

Setting

Landform: Stream terraces, plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous loamy alluvium

Properties and qualities

Slope: 0 to 6 percent

Depth to restrictive feature: More than 80 inches

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: High (about 9.2 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability (nonirrigated): 4e

Ecological site: Loamy Plains (R067BY002CO)

Typical profile

0 to 8 inches: Clay loam

8 to 22 inches: Clay loam

22 to 60 inches: Clay loam

Minor Components

Avar

Percent of map unit: 8 percent

Manzanola

Percent of map unit: 7 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 8, Apr 30, 2009

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: Breaks, ridges, 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

Land capability (nonirrigated): 4e
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, plains, ridges
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

Land capability classification (irrigated): 6s
Land capability (nonirrigated): 6s
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 8, Apr 30, 2009