

Lincoln County, Colorado

177—Razor clay loam, 1 to 5 percent slopes

Map Unit Setting

Elevation: 4,400 to 6,000 feet
Mean annual precipitation: 11 to 16 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 155 days

Map Unit Composition

Razor and similar soils: 85 percent
Minor components: 15 percent

Description of Razor

Setting

Landform: Hills
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Clayey slope alluvium over residuum weathered from shale

Properties and qualities

Slope: 1 to 5 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): Very low (0.00 to 0.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Gypsum, maximum content: 5 percent
Maximum salinity: Very slightly saline to slightly saline (4.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 15.0
Available water capacity: Low (about 4.5 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability (nonirrigated): 6s
Hydrologic Soil Group: C
Ecological site: Alkaline Plains (R069XY047CO)

Typical profile

0 to 2 inches: Clay loam
2 to 15 inches: Silty clay
15 to 27 inches: Silty clay
27 to 37 inches: Weathered bedrock

Minor Components

Fort

Percent of map unit: 4 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Other vegetative classification: LOAMY PLAINS (069XY006CO_1)

Arvada

Percent of map unit: 4 percent

Landform: Fans, drainageways

Other vegetative classification: Salt Flat (069AY033CO_1)

Midway

Percent of map unit: 3 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Other vegetative classification: SHALY PLAINS (069XY046CO_1)

Karval

Percent of map unit: 3 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Other vegetative classification: GRAVEL BREAKS
(067XY063CO_1)

Rock outcrop

Percent of map unit: 1 percent

Landform: Scarps

Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 11, Dec 23, 2013