

Lincoln County, Colorado

178—Razor clay loam, moist, 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, moist, and similar soils: 85 percent

Minor components: 15 percent

Description of Razor, Moist

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

Typical profile

A - 0 to 2 inches: moderately alkaline, clay loam

Bw - 2 to 15 inches: moderately alkaline, silty clay

Bky - 15 to 27 inches: moderately alkaline, silty clay

Cr - 27 to 37 inches: , weathered bedrock

Properties and qualities

Slope: 1 to 5 percent

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

Natural 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 in profile: 15 percent

Gypsum, maximum in profile: 5 percent

Salinity, maximum in profile: Very slightly saline to slightly saline (4.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 15.0

Available water storage in profile: Low (about 4.5 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6s

Hydrologic Soil Group: C

Ecological site: Clayey Plains (R067BY042CO)

Minor Components

Fort collins

Percent of map unit: 4 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Other vegetative classification: Loamy Plains (67XY002CO)

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 (067XY045CO_3)

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