

Lincoln County, Colorado

154—Midway-Razor clay loams, moist, 5 to 15 percent slopes

Map Unit Setting

National map unit symbol: 3jhp

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

Farmland classification: Not prime farmland

Map Unit Composition

Midway, moist, and similar soils: 55 percent

Razor, moist, and similar soils: 30 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Midway, Moist

Setting

Landform: Hills

Landform position (three-dimensional): Side slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Slope alluvium derived from shale over residuum weathered from shale

Typical profile

A - 0 to 4 inches: clay loam

By - 4 to 15 inches: clay loam

Cr - 15 to 25 inches: weathered bedrock

Properties and qualities

Slope: 5 to 15 percent

Depth to restrictive feature: 6 to 20 inches to paralithic bedrock

Natural drainage class: Well drained

Runoff class: Very high

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: 15 percent

Salinity, maximum in profile: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 15.0

Available water storage in profile: Very low (about 2.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: D

Ecological site: Shaly Plains (R067BY045CO)

Hydric soil rating: No

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: clay loam

Bw - 2 to 21 inches: silty clay

Bky - 21 to 27 inches: silty clay

Cr - 27 to 37 inches: weathered bedrock

Properties and qualities

Slope: 5 to 15 percent

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

Natural drainage class: Well drained

Runoff class: Very high

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: Slightly saline to moderately saline (4.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 15.0

Available water storage in profile: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: C

Ecological site: Clayey Plains (R067BY042CO)

Hydric soil rating: No

Minor Components

Fort collins

Percent of map unit: 4 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Ecological site: Loamy Plains (R067BY002CO)
Other vegetative classification: LOAMY PLAINS (067XY002CO_1)
Hydric soil rating: No

Karval

Percent of map unit: 4 percent
Landform: Hills
Landform position (three-dimensional): Side slope
Ecological site: Gravel Breaks (R067BY063CO)
Other vegetative classification: GRAVEL BREAKS
(067XY063CO_1)
Hydric soil rating: No

Arvada

Percent of map unit: 4 percent
Landform: Drainageways, fans
Ecological site: Salt Flat (R067BY033CO)
Other vegetative classification: Salt Flat (069AY033CO_1)
Hydric soil rating: No

Rock outcrop

Percent of map unit: 3 percent
Landform: Scarps
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lincoln County, Colorado
Survey Area Data: Version 14, Sep 22, 2016