

Lincoln County, Colorado

144—Kimst loam, 3 to 12 percent slopes

Map Unit Setting

National map unit symbol: 3jhc

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

Kimst and similar soils: 90 percent

Minor components: 10 percent

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

Description of Kimst

Setting

Landform: Hills

Landform position (three-dimensional): Side slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

Ap - 0 to 5 inches: loam

Bk - 5 to 60 inches: sandy clay loam

Properties and qualities

Slope: 3 to 12 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high (0.20 to 0.60 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

Salinity, maximum in profile: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Available water storage in profile: High (about 10.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: C

Ecological site: Loamy Plains (R067BY002CO)

Hydric soil rating: No

Minor Components

Apishapa, rarely ponded

Percent of map unit: 3 percent

Landform: Depressions

Ecological site: Plains Swale (R067XY010CO)

Hydric soil rating: Yes

Arvada

Percent of map unit: 3 percent

Landform: Fans, drainageways

Ecological site: Salt Flat (R067BY033CO)

Other vegetative classification: Salt Flat (069AY033CO_1)

Hydric soil rating: No

Karval

Percent of map unit: 2 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

Vona

Percent of map unit: 2 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Ecological site: Sandy Plains (R067BY024CO)

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 16, Sep 10, 2018