

Website Loc.
Yellowstone 1-2

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: Drainageways, fans
Ecological site: Salt Flat (R067BY033CO)
Other vegetative classification: Salt Flat (069AY033CO_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

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

Data Source Information

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

Rock outcrop

Extent: About 1 percent of the unit

Slope: 5 to 40 percent

143—Kimst loam, 1 to 3 percent slopes

Map Unit Composition

Kimst and similar soils: 90 percent

Minor components: 10 percent

Component Descriptions

Kimst

MLRA: 67—Central High Plains

Landform: Plains

Parent material: Alluvium and/or eolian deposits

Slope: 1 to 3 percent

Drainage class: Well drained

Slowest permeability class: Moderately slow

Available water capacity: High (about 10.5 inches)

Shrink-swell potential: Low (about 1.5 LEP)

Flooding hazard: None

Depth to seasonal zone of saturation: Greater than 6 feet

Runoff class: Low

Ecological site: Loamy Plains

Land capability (nonirrigated): 3e

Typical profile:

Ap—0 to 5 inches; loam

Bk—5 to 60 inches; sandy clay loam

Minor components

Olneest and similar soils

Extent: About 5 percent of the unit

Slope: 1 to 5 percent

Drainage class: Well drained

Ecological site: Sandy Plains

Vona and similar soils

Extent: About 5 percent of the unit

Slope: 1 to 5 percent

Drainage class: Somewhat excessively drained

Ecological site: Sandy Plains

144—Kimst loam, 3 to 12 percent slopes

Map Unit Composition

Kimst and similar soils: 90 percent

Minor components: 10 percent

Component Descriptions

Kimst

MLRA: 67—Central High Plains

Landform: Hills

Parent material: Alluvium and/or eolian deposits

Slope: 3 to 12 percent

Drainage class: Well drained

Slowest permeability class: Moderately slow

Available water capacity: High (about 10.5 inches)

Shrink-swell potential: Low (about 1.5 LEP)

Flooding hazard: None

Depth to seasonal zone of saturation: Greater than 6 feet

Runoff class: Medium

Ecological site: Loamy Plains

Land capability (nonirrigated): 6e

Typical profile:

Ap—0 to 5 inches; loam

Bk—5 to 60 inches; sandy clay loam

Minor components

Apishapa and similar soils

Extent: About 3 percent of the unit

Slope: 0 to 3 percent

Drainage class: Somewhat poorly drained

Ecological site: Plains Swale

Arvada and similar soils

Extent: About 3 percent of the unit

Slope: 0 to 5 percent

Drainage class: Well drained

Ecological site: Salt Flat

Karval and similar soils

Extent: About 2 percent of the unit

Slope: 3 to 12 percent

Drainage class: Excessively drained

Ecological site: Gravel Breaks

Vona and similar soils

Extent: About 2 percent of the unit

Slope: 5 to 12 percent

Drainage class: Somewhat excessively drained

Ecological site: Sandy Plains

Additional feature

- Some areas adjacent to streams have short steep slopes.

TK Bat Loc
Yellowstone 1-2

Lincoln County, Colorado

209—Wages loam, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 3jkg
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: Prime farmland if irrigated

Map Unit Composition

Wages and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wages

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

A - 0 to 5 inches: loam
Bt - 5 to 12 inches: loam
Bk - 12 to 17 inches: loam
C - 17 to 60 inches: loam

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
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
Available water storage in profile: Moderate (about 9.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: Loamy Plains (R067BY002CO)
Hydric soil rating: No

Minor Components

Platner

Percent of map unit: 3 percent
Landform: Plains
Ecological site: Loamy Plains (R067BY002CO)
Other vegetative classification: LOAMY PLAINS (067XY002CO_1)
Hydric soil rating: No

Kimst

Percent of map unit: 3 percent
Landform: Plains
Ecological site: Loamy Plains (R067BY002CO)
Other vegetative classification: LOAMY PLAINS (067XY002CO_1)
Hydric soil rating: No

Karval

Percent of map unit: 3 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: 3 percent
Landform: Drainageways, fans
Ecological site: Salt Flat (R067BY033CO)
Other vegetative classification: Salt Flat (069AY033CO_1)
Hydric soil rating: No

Pleasant

Percent of map unit: 2 percent
Landform: Depressions
Ecological site: Plains Swale (R067XY010CO)
Hydric soil rating: Yes

Rock outcrop

Percent of map unit: 1 percent
Landform: Scarps
Hydric soil rating: No

Data Source Information

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

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

Drainage class: Well drained

Ecological site: Shaly Plains

Razor and similar soils

Extent: About 3 percent of the unit

Slope: 1 to 5 percent

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

Drainage class: Well drained

Ecological site: Alkaline Plains

209—Wages loam, 2 to 6 percent slopes

Map Unit Composition

Wages and similar soils: 85 percent

Minor components: 15 percent

Component Descriptions

Wages

MLRA: 67—Central High Plains

Landform: Hills

Parent material: Alluvium and/or eolian deposits

Slope: 2 to 6 percent

Drainage class: Well drained

Slowest permeability class: Moderately slow

Available water capacity: Moderate (about 8.8 inches)

Shrink-swell potential: Low (about 1.5 LEP)

Flooding hazard: None

Depth to seasonal zone of saturation: Greater than 6 feet

Runoff class: Medium

Ecological site: Loamy Plains

Land capability (nonirrigated): 4e

Typical profile:

A—0 to 5 inches; loam

Bt—5 to 12 inches; loam

Bk—12 to 17 inches; loam

C—17 to 60 inches; loam

Minor components

Arvada and similar soils

Extent: About 3 percent of the unit

Slope: 0 to 5 percent

Drainage class: Well drained

Ecological site: Salt Flat

Karval and similar soils

Extent: About 3 percent of the unit

Slope: 1 to 7 percent

Drainage class: Excessively drained

Ecological site: Gravel Breaks

Kimst and similar soils

Extent: About 3 percent of the unit

Slope: 1 to 3 percent

Drainage class: Well drained

Ecological site: Loamy Plains

Platner and similar soils

Extent: About 3 percent of the unit

Slope: 0 to 3 percent

Drainage class: Well drained

Ecological site: Loamy Plains

Pleasant and similar soils

Extent: About 2 percent of the unit

Slope: 0 to 1 percent

Drainage class: Moderately well drained

Ecological site: Plains Swale

Rock outcrop

Extent: About 1 percent of the unit

Slope: 5 to 40 percent

Additional feature

- Some areas adjacent to streams have short steep slopes.

210—Wages loam, 6 to 12 percent slopes

Map Unit Composition

Wages and similar soils: 85 percent

Minor components: 15 percent

Component Descriptions

Wages

MLRA: 67—Central High Plains

Landform: Hills

Parent material: Alluvium and/or eolian deposits

Slope: 6 to 12 percent

Drainage class: Well drained

Slowest permeability class: Moderately slow

Available water capacity: Moderate (about 8.8 inches)

Shrink-swell potential: Low (about 1.5 LEP)

Flooding hazard: None

Depth to seasonal zone of saturation: Greater than 6 feet

Runoff class: Medium

Ecological site: Loamy Plains

Land capability (nonirrigated): 6e

Typical profile:

A—0 to 4 inches; loam

Bt—4 to 10 inches; loam

Bk—10 to 35 inches; loam

C—35 to 60 inches; loam