

Lincoln County, Colorado

212—Wages-Karval complex, 6 to 15 percent slopes

Map Unit Setting

National map unit symbol: 3jkk
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

Wages and similar soils: 60 percent
Karval and similar soils: 25 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 4 inches: loam
Bt - 4 to 10 inches: loam
Bk - 10 to 35 inches: loam
C - 35 to 60 inches: loam

Properties and qualities

Slope: 6 to 15 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 very slightly saline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: Moderate (about 8.9 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

Description of Karval

Setting

Landform: Hills
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Typical profile

A - 0 to 5 inches: gravelly loamy sand
Bk - 5 to 40 inches: gravelly coarse sand
C - 40 to 60 inches: sand

Properties and qualities

Slope: 6 to 15 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Excessively drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): High to very high (6.00 to 19.99 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 5 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: Very low (about 2.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: A
Ecological site: Gravel Breaks (R067BY063CO)
Hydric soil rating: No

Minor Components

Fort collins

Percent of map unit: 5 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

Colby

Percent of map unit: 5 percent
Landform: Hills
Landform position (three-dimensional): Side slope

Ecological site: Loamy Slopes (R067BY008CO)
Hydric soil rating: No

Platner

Percent of map unit: 4 percent
Landform: Plains
Ecological site: Loamy Plains (R067BY002CO)
Other vegetative classification: LOAMY PLAINS (067XY002CO_1)
Hydric soil rating: No

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 15, Oct 10, 2017

BoB 1-22 Wellsite +
TK Bat Site

Lincoln County, Colorado

127—Fort Collins-Platner loams, 1 to 5 percent slopes

Map Unit Setting

National map unit symbol: 3jgt
Elevation: 4,400 to 6,000 feet
Mean annual precipitation: 14 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

Fort collins and similar soils: 50 percent
Platner and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Fort Collins

Setting

Landform: Plains
Landform position (two-dimensional): Summit
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Typical profile

A - 0 to 7 inches: loam
Bt - 7 to 13 inches: clay loam
Bk1 - 13 to 30 inches: loam
Bk2 - 30 to 60 inches: loam

Properties and qualities

Slope: 1 to 5 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 to high (0.20 to 2.00 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
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: High (about 10.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: B
Ecological site: Loamy Plains (R067BY002CO)
Hydric soil rating: No

Description of Platner

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Typical profile

A - 0 to 7 inches: loam
Bt - 7 to 15 inches: clay loam
Bk1 - 15 to 40 inches: silty clay loam
Bk2 - 40 to 60 inches: clay loam

Properties and qualities

Slope: 1 to 5 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
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0
to 2.0 mmhos/cm)
Available water storage in profile: High (about 10.1 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

Pleasant

Percent of map unit: 3 percent
Landform: Depressions
Ecological site: Plains Swale (R067XY010CO)
Hydric soil rating: Yes

Ascalon

Percent of map unit: 3 percent
Landform: Plains
Ecological site: Sandy Plains (R067BY024CO)
Other vegetative classification: SANDY PLAINS (067XY024CO_1)
Hydric soil rating: No

Colby

Percent of map unit: 3 percent

Landform: Plains

Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: Loamy Plains (067XY002)

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

Vona

Percent of map unit: 3 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 15, Oct 10, 2017