

Lincoln County, Colorado

122—Colby-Weld silt loams, 1 to 5 percent slopes

Map Unit Setting

National map unit symbol: 3jgn
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: Not prime farmland

Map Unit Composition

Colby and similar soils: 50 percent
Weld and similar soils: 40 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Colby

Setting

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

Typical profile

Ap - 0 to 5 inches: silt loam
Bk - 5 to 60 inches: silt 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 (0.60 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
Available water storage in profile: High (about 10.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: B
Ecological site: Loamy Plains (R067BY002CO)

Description of Weld

Setting

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

Typical profile

A - 0 to 4 inches: silt loam
Bt - 4 to 19 inches: silty clay
Btk - 19 to 44 inches: silty clay loam
Bk - 44 to 60 inches: silt 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
Available water storage in profile: High (about 11.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3c
Hydrologic Soil Group: C
Ecological site: Loamy Plains (R067BY002CO)

Minor Components

Keith

Percent of map unit: 5 percent
Landform: Plains
Ecological site: Loamy Plains (R067BY002CO)
Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Pleasant

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

Karval

Percent of map unit: 2 percent
Landform: Hills
Landform position (three-dimensional): Side slope