

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

Other vegetative classification: GRAVEL BREAKS
(067XY063CO_1)

Data Source Information

Soil Survey Area: Lincoln County, Colorado
Survey Area Data: Version 12, Sep 23, 2014