

Lincoln County, Colorado

213—Weld silt loam, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 3jkl
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

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

Description of Weld

Setting

Landform: Plains
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: 0 to 2 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

Pleasant

Percent of map unit: 5 percent

Landform: Depressions

Ecological site: Plains Swale (R067XY010CO)

Colby

Percent of map unit: 5 percent

Landform: Plains

Other vegetative classification: Loamy Plains (067XY002)

Karval

Percent of map unit: 3 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Other vegetative classification: GRAVEL BREAKS
(067XY063CO_1)

Rago

Percent of map unit: 2 percent

Landform: Flood plains

Ecological site: Overflow Central/South - Draft (R067XY036CO)

Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 13, Sep 22, 2015