

Map Unit Description

Lincoln County, Colorado

140 Keith silt loam, 3 to 10 percent slopes

Setting

Elevation: 4400 to 6000 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 155 days

Composition

Keith and similar soils: 85 percent
Minor components: 15 percent

Description of Keith

Setting

Landform: Hills
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loess

Properties and Qualities

Slope: 3 to 10 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.8 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 10 inches: silt loam
10 to 26 inches: silty clay loam
26 to 60 inches: silt loam

Minor Components

Pleasant soils

Percent of map unit: 5 percent
Landform: Depressions
Ecological site: Plains Swale (R067XY010CO)

Wiley soils

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

Satanta soils

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

Map Unit Description

Lincoln County, Colorado

213 Weld silt loam, 0 to 2 percent slopes

Setting

Elevation: 4400 to 6000 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 155 days

Composition

Weld and similar soils: 85 percent
Minor components: 15 percent

Description of Weld

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loess

Properties and Qualities

Slope: 0 to 2 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 11.0 inches)

Interpretive Groups

Land capability (non irrigated): 3c
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 4 inches: silt loam
4 to 19 inches: silty clay
19 to 44 inches: silty clay loam
44 to 60 inches: silt loam

Minor Components

Pleasant soils

Percent of map unit: 5 percent
Landform: Depressions
Ecological site: Plains Swale (R067XY010CO)

Colby soils

Percent of map unit: 5 percent
Landform: Plains
Other vegetative classification: Loamy Plains (067XY002)

Karval soils

Percent of map unit: 3 percent
Landform: Hills
Other vegetative classification: GRAVEL BREAKS (067XY063CO_1)

Rago soils

Percent of map unit: 2 percent
Landform: Flood plains
Ecological site: Overflow Central/South - Draft (R067XY036CO)