

Lincoln County, Colorado

139—Keith silt loam, 1 to 3 percent slopes

Map Unit Setting

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

Map Unit Composition

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

Description of Keith

Setting

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

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
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 content: 15 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: High (about 10.8 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated
Land capability (nonirrigated): 3e
Hydrologic Soil Group: B
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

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

Platner

Percent of map unit: 5 percent

Landform: Plains

Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Satanta

Percent of map unit: 3 percent

Landform: Terraces

Landform position (three-dimensional): Tread

Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Wiley

Percent of map unit: 2 percent

Landform: Plains

Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 11, Dec 23, 2013