

Map Unit Description

Weld County, Colorado, Northern Part

30 Keith loam, 0 to 6 percent slopes

Setting

Elevation: 5000 to 6000 feet
Mean annual precipitation: 15 to 17 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 120 to 150 days

Composition

Keith and similar soils: 83 percent
Minor components: 17 percent

Description of Keith

Setting

Landform: Stream terraces, swales, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium

Properties and Qualities

Slope: 0 to 6 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 5.95 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.7 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 4 inches: loam
4 to 20 inches: silt loam
20 to 60 inches: silt loam

Minor Components

Weld

Percent of map unit: 8 percent

Wages

Percent of map unit: 4 percent

Kim

Percent of map unit: 3 percent

Mitchell

Percent of map unit: 2 percent

Map Unit Description

Weld County, Colorado, Northern Part

70 Ustic Torriorthents-Rock outcrop complex, 9 to 40 percent slopes

Setting

Elevation: 3500 to 6500 feet
Mean annual precipitation: 12 to 15 inches
Mean annual air temperature: 46 to 55 degrees F
Frost-free period: 120 to 150 days

Composition

Ustic torriorthents and similar soils: 60 percent
Rock outcrop: 20 percent
Minor components: 20 percent

Description of Ustic torriorthents

Setting

Landform: Escarpments, fans, alluvial fans
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy loam gravelly alluvium and/or silt loam colluvium

Properties and Qualities

Slope: 9 to 40 percent
Depth to restrictive feature: 10 to 30 inches to Paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or high (0.06 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 5 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 1.5 inches)

Interpretive Groups

Land capability classification (irrigated): 7s
Land capability (non irrigated): 7s
Ecological site: Sandstone Breaks (R067BY056CO)

Typical Profile

0 to 4 inches: variable
4 to 13 inches: gravelly loam
13 to 60 inches: bedrock

Description of Rock outcrop

Setting

Landform: Escarpments
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandstone

Properties and Qualities

Slope: 9 to 40 percent
Depth to restrictive feature: 0 to 0 inches to Lithic bedrock
Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately low (0.00 to 0.06 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 0.0 inches)

Interpretive Groups

Land capability classification (irrigated): 8s
Land capability (non irrigated): 8s

Typical Profile

0 to 60 inches: bedrock

Minor Components

Map Unit Description

Weld County, Colorado, Northern Part

Cascajo

Percent of map unit: 20 percent