

CUTTHROAT LC28-72HNB PAD
T9N R59W
SECTION 28: SESE
WELD, CO

Map Unit Description

Weld County, Colorado, Northern Part

33 Kim-Shingle complex, 6 to 30 percent slopes

Setting

Elevation: 3500 to 6500 feet
Mean annual precipitation: 10 to 17 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 110 to 150 days

Composition

Kim and similar soils: 60 percent
Shingle and similar soils: 20 percent
Minor components: 20 percent

Description of Kim

Setting

Landform: Fans, alluvial fans, breaks, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium and/or colluvium

Properties and Qualities

Slope: 6 to 20 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 9.7 inches)

Interpretive Groups

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

Typical Profile

0 to 3 inches: loam
3 to 7 inches: clay loam
7 to 60 inches: loam

Description of Shingle

Setting

Landform: Alluvial fans, breaks, fans, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy residuum weathered from shale

Properties and Qualities

Slope: 6 to 30 percent
Depth to restrictive feature: 10 to 20 inches to Paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 2.1 inches)

Interpretive Groups

Land capability (non irrigated): 6s
Ecological site: Shaly Plains (R067BY045CO)

Typical Profile

0 to 4 inches: clay loam
4 to 11 inches: clay loam
11 to 15 inches: unweathered bedrock

ASSOCIATED WELLS:

CUTTHROAT LC28-72HNB,
73HNB

RAINBOW LC28-73-1HNA

CUTTHROAT LC28-72HNB P&O
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SECTION 28: SESE
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Weld County, Colorado, Northern Part

ASSOCIATED WELLS:

CUTTHROAT LC28-72HNB, 73ANB
RAINBOW LC28-73-1HVA

Minor Components

Cascajo
Percent of map unit: 10 percent
Keota
Percent of map unit: 10 percent

46 Otero sandy loam, 0 to 3 percent slopes

Setting

Elevation: 4500 to 5500 feet
Mean annual precipitation: 12 to 15 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 130 to 180 days

Composition

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

Description of Otero

Setting

Landform: Alluvial fans, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium

Properties and Qualities

Slope: 0 to 3 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: Moderate (about 7.7 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 5 inches: sandy loam
5 to 60 inches: fine sandy loam, sandy loam

Minor Components

Stoneham

Percent of map unit: 5 percent

Bushman

Percent of map unit: 4 percent

Kim

Percent of map unit: 3 percent

Mitchell

Percent of map unit: 3 percent