

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 Pao  
T9N R59W  
SECTION 28: SESE  
Weld, CO

## Map Unit Description

Weld County, Colorado, Northern Part

### ASSOCIATED WELLS:

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

### 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