

## Map Unit Description

Weld County, Colorado, Northern Part

31 Kim-Mitchell complex, 0 to 6 percent slopes

Setting

Timber LC 13-77-1HN, 76HN, 76-1HN, 75HN  
T9N-R59W-SEC 24  
NE NW

Elevation: 3500 to 6500 feet

Mean annual precipitation: 11 to 17 inches

Mean annual air temperature: 46 to 54 degrees F

Frost-free period: 120 to 160 days

### Composition

Kim and similar soils: 45 percent

Mitchell and similar soils: 40 percent

Minor components: 15 percent

### Description of Kim

#### Setting

Landform: Alluvial fans, 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 (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 classification (irrigated): 4e

Land capability (non irrigated): 4e

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 Mitchell

#### Setting

Landform: Alluvial fans, 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: 15 percent

Gypsum maximum: 0 percent

Available water capacity: High (about 10.8 inches)

#### Interpretive Groups

Land capability classification (irrigated): 4e

Land capability (non irrigated): 4e

Ecological site: Siltstone Plains (R067BY009CO)

#### Typical Profile

0 to 7 inches: silt loam

7 to 60 inches: silt loam