

# 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