

## Map Unit Description

Weld County, Colorado, Southern Part

### 33 Kim loam, 3 to 5 percent slopes

#### Setting

Elevation: 4900 to 5250 feet  
Mean annual precipitation: 13 to 17 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 125 to 150 days

#### Composition

Kim and similar soils: 90 percent  
Minor components: 10 percent

#### Description of Kim

##### Setting

Landform: Alluvial fans, plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Mixed eolian deposits derived from sedimentary rock

##### Properties and Qualities

Slope: 3 to 5 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: Moderate (about 9.0 inches)

##### Interpretive Groups

Land capability classification (irrigated): 3e  
Land capability (non irrigated): 4e  
Ecological site: Loamy Plains (R067BY002CO)

##### Typical Profile

0 to 12 inches: loam  
12 to 40 inches: loam  
40 to 60 inches: fine sandy loam

#### Minor Components

##### Otero

Percent of map unit: 10 percent

## Map Unit Description

Weld County, Colorado, Southern Part

### 4 Aquolls and Aquepts, flooded

#### Setting

Elevation: 3600 to 4700 feet  
Mean annual precipitation: 12 to 16 inches  
Mean annual air temperature: 50 to 55 degrees F  
Frost-free period: 100 to 165 days

#### Composition

Aquolls and similar soils: 55 percent  
Aquepts, flooded, and similar soils: 25 percent  
Minor components: 20 percent

#### Description of Aquolls

##### Setting

Landform: Drainageways, plains, depressions  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Recent alluvium

##### Properties and Qualities

Slope: 0 to 3 percent  
Drainage class: Poorly drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or high (0.06 to 6.00 in/hr)  
Depth to water table: About 6 to 36 inches  
Frequency of flooding: Frequent  
Frequency of ponding: None  
Calcium carbonate maximum: 10 percent  
Gypsum maximum: 0 percent  
Salinity maximum: Slightly saline or moderately saline (8.0 to 16.0 mmhos/cm)  
Sodium adsorption ratio maximum: 5.0  
Available water capacity: Low (about 4.7 inches)

##### Interpretive Groups

Land capability classification (irrigated): 6w  
Land capability (non irrigated): 6w  
Ecological site: Salt Meadow (R067BY035CO)

##### Typical Profile

0 to 8 inches: variable  
8 to 60 inches: stratified sandy loam to clay

#### Description of Aquepts, flooded

##### Setting

Landform: Stream terraces  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Recent alluvium

##### Properties and Qualities

Slope: 0 to 3 percent  
Drainage class: Poorly drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or high (0.06 to 6.00 in/hr)  
Depth to water table: About 6 to 36 inches  
Frequency of flooding: Frequent  
Frequency of ponding: None  
Calcium carbonate maximum: 10 percent  
Gypsum maximum: 0 percent  
Salinity maximum: Slightly saline or moderately saline (8.0 to 16.0 mmhos/cm)  
Sodium adsorption ratio maximum: 5.0  
Available water capacity: Low (about 4.7 inches)

##### Interpretive Groups

Land capability classification (irrigated): 6w  
Land capability (non irrigated): 6w

## Map Unit Description

Weld County, Colorado, Southern Part

Ecological site: Wet Meadow (R067BY038CO)

### Typical Profile

0 to 8 inches: variable

8 to 60 inches: stratified sandy loam to clay

### Minor Components

#### Thedalund

Percent of map unit: 10 percent

#### Haverson

Percent of map unit: 10 percent