

# 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  
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#### Interpretive Groups

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

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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