

## Weld County, Colorado, Southern Part

### 4—Aquolls and Aquepts, flooded

#### Map Unit Setting

*Elevation:* 3,600 to 4,700 feet  
*Mean annual precipitation:* 12 to 16 inches  
*Mean annual air temperature:* 50 to 55 degrees F  
*Frost-free period:* 100 to 165 days

#### Map Unit Composition

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

#### Description of Aquolls

##### Setting

*Landform:* Depressions, drainageways, plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Recent alluvium

##### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Poorly drained  
*Capacity of the most limiting layer to transmit water*  
*(Ksat):* Moderately low to 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 content:* 10 percent  
*Maximum salinity:* Slightly saline to 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

*Farmland classification:* Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season  
*Land capability classification (irrigated):* 6w  
*Land capability (nonirrigated):* 6w  
*Hydrologic Soil Group:* D  
*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

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*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Poorly drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to high (0.06 to 6.00 in/hr)  
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*Hydrologic Soil Group:* D  
*Ecological site:* Wet Meadow (R067BY038CO)

### Typical profile

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*8 to 60 inches:* Stratified sandy loam to clay

## Minor Components

### Haverson

*Percent of map unit:* 10 percent

### Thedalund

*Percent of map unit:* 10 percent

## Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 12, Jan 3, 2014