

Cody D03-28  
T3N-R64W-6th P.M.  
SECTION 3: NW1/4 NE1/4  
WELD COUNTY, COLORADO

## 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

CDDY D03-28  
T3N-R64W-6TH PM.  
SECTION 3: NW/4NE/4  
WELD COUNTY, COLORADO

## 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

**Map Unit Description**

Weld County, Colorado, Southern Part

**25 Haverson loam, 0 to 1 percent slopes****Setting**

Elevation: 4500 to 4800 feet  
 Mean annual precipitation: 12 to 17 inches  
 Mean annual air temperature: 46 to 54 degrees F  
 Frost-free period: 125 to 180 days

**Composition**

Haverson and similar soils: 85 percent  
 Minor components: 15 percent

**Description of Haverson****Setting**

Landform: Flood plains, stream terraces  
 Down-slope shape: Linear  
 Across-slope shape: Linear  
 Parent material: Stratified, calcareous alluvium

**Properties and Qualities**

Slope: 0 to 1 percent  
 Drainage class: Well drained  
 Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)  
 Frequency of flooding: None  
 Frequency of ponding: None  
 Calcium carbonate maximum: 15 percent  
 Gypsum maximum: 1 percent  
 Available water capacity: High (about 9.6 inches)

**Interpretive Groups**

Land capability classification (irrigated): 3w  
 Ecological site: Loamy Plains (R067BY002CO)

**Typical Profile**

0 to 4 inches: loam  
 4 to 60 inches: stratified loamy sand to loam to clay loam

**Minor Components****Vona**

Percent of map unit: 8 percent

**Fluvaquentic haplustolls**

Percent of map unit: 4 percent  
 Landform: Terraces

**Other soils**

Percent of map unit: 3 percent