

WELL

SAVER F33-77-1HC, 77WN,

78-1HC

77-1HC, 77HN, 78-1HC

Sec. 33

Twn. 5N

Rd. 65W

## 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

WEL

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77-1HC, 77HN, 78-1HC

Sec. 33

Town 5N

Range 65W

## 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

### 75 Vona sandy loam, 0 to 1 percent slopes

#### Setting

Elevation: 4650 to 4950 feet

Mean annual precipitation: 13 to 15 inches

Mean annual air temperature: 48 to 55 degrees F

Frost-free period: 130 to 160 days

#### Composition

Vona and similar soils: 85 percent

Minor components: 15 percent

### Description of Vona

#### Setting

Landform: Terraces

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium

#### Properties and Qualities

Slope: 0 to 1 percent

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate maximum: 15 percent

Gypsum maximum: 0 percent

Available water capacity: Moderate (about 6.8 inches)

#### Interpretive Groups

Land capability classification (irrigated): 3e

Ecological site: Sandy Plains (R067BY024CO)

#### Typical Profile

0 to 6 inches: sandy loam

6 to 28 inches: fine sandy loam

28 to 60 inches: sandy loam

### Minor Components

#### Remmit

Percent of map unit: 11 percent

#### Olney

Percent of map unit: 4 percent