

**Map Unit Description**

Weld County, Colorado, Southern Part

**21 Dacono clay loam, 0 to 1 percent slopes****Setting**

Elevation: 4550 to 4970 feet  
 Mean annual precipitation: 14 to 18 inches  
 Mean annual air temperature: 48 to 52 degrees F  
 Frost-free period: 140 to 160 days

**Composition**

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

**Description of Dacono****Setting**

Landform: Terraces  
 Down-slope shape: Linear  
 Across-slope shape: Linear  
 Parent material: Mixed 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 (0.20 to 0.60 in/hr)  
 Frequency of flooding: None  
 Frequency of ponding: None  
 Calcium carbonate maximum: 15 percent  
 Gypsum maximum: 0 percent  
 Available water capacity: Moderate (about 6.3 inches)

**Interpretive Groups**

Land capability classification (irrigated): 2s  
 Land capability (non irrigated): 3s  
 Ecological site: Clayey Plains (R067BY042CO)

**Typical Profile**

0 to 12 inches: clay loam  
 12 to 21 inches: clay loam  
 21 to 27 inches: clay loam  
 27 to 60 inches: very gravelly sand

**Minor Components****Heldt**

Percent of map unit: 5 percent

**Nunn**

Percent of map unit: 5 percent

**Altvan**

Percent of map unit: 5 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

## Map Unit Description

Weld County, Colorado, Southern Part

### 39 Nunn loam, 0 to 1 percent slopes

#### Setting

Elevation: 4550 to 5000 feet  
Mean annual precipitation: 12 to 18 inches  
Mean annual air temperature: 46 to 54 degrees F  
Frost-free period: 115 to 180 days

#### Composition

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

#### Description of Nunn

##### Setting

Landform: Terraces  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Mixed alluvium

##### Properties and Qualities

Slope: 0 to 1 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 8.9 inches)

##### Interpretive Groups

Land capability classification (irrigated): 2e  
Ecological site: Loamy Plains (R067BY002CO)

##### Typical Profile

0 to 9 inches: loam  
9 to 29 inches: clay loam  
29 to 60 inches: sandy loam

#### Minor Components

##### Haverson

Percent of map unit: 10 percent

##### Heldt

Percent of map unit: 5 percent

### Map Unit Description

Weld County, Colorado, Southern Part

#### 74 Vona loamy sand, 5 to 9 percent slopes

##### Setting

Elevation: 4600 to 5200 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: Plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Eolian deposits

###### Properties and Qualities

Slope: 5 to 9 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 6.5 inches)

###### Interpretive Groups

Land capability classification (irrigated): 6e  
Land capability (non irrigated): 6e  
Ecological site: Sandy Plains (R067BY024CO)

###### Typical Profile

0 to 6 inches: loamy sand  
6 to 28 inches: fine sandy loam  
28 to 60 inches: sandy loam

##### Minor Components

###### Valent

Percent of map unit: 10 percent

###### Remmit

Percent of map unit: 5 percent

### Map Unit Description

Weld County, Colorado, Southern Part

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