

## 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

### 23 Fort Collins loam, 0 to 1 percent slopes

#### Setting

Elevation: 4500 to 5050 feet  
Mean annual precipitation: 10 to 15 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 130 to 170 days

#### Composition

Fort collins and similar soils: 80 percent  
Minor components: 20 percent

#### Description of Fort collins

##### Setting

Landform: Plains, terraces  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Alluvium and/or modified by eolian deposits

##### 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 (0.57 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 10.1 inches)

##### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 4c  
Ecological site: Loamy Plains (R067BY002CO)

##### Typical Profile

0 to 7 inches: loam  
7 to 11 inches: clay loam  
11 to 60 inches: fine sandy loam

#### Minor Components

##### Stoneham

Percent of map unit: 8 percent

##### Olney

Percent of map unit: 7 percent

##### Otero

Percent of map unit: 5 percent