

# 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