

# Map Unit Description

Kiowa County, Colorado

## 13 Fort Collins sandy loam, 0 to 3 percent slopes

### Setting

Elevation: 4500 to 6500 feet  
Mean annual precipitation: 12 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: 85 percent  
Minor components: 15 percent

### Description of Fort collins

#### Setting

Landform: Swales, plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Loamy alluvium and/or eolian deposits

#### Properties and Qualities

Slope: 0 to 3 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 9.9 inches)

#### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 4e  
Ecological site: Sandy Plains (R069XY026CO)  
Other vegetative classification: SANDY PLAINS (067XY024CO\_1)

#### Typical Profile

0 to 6 inches: sandy loam  
6 to 14 inches: loam  
14 to 60 inches: loam

### Minor Components

#### Other soils

Percent of map unit: 15 percent