

# Map Unit Description

Cheyenne County, Colorado

## 30 Manzanola clay loam, 0 to 3 percent slopes

### Setting

Elevation: 4400 to 5600 feet  
Mean annual precipitation: 11 to 15 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 140 to 180 days

### Composition

Manzanola and similar soils: 80 percent  
Minor components: 20 percent

### Description of Manzanola

#### Setting

Landform: Alluvial fans, stream terraces, plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Fine-textured alluvium derived from calcareous shale

#### Properties and Qualities

Slope: 0 to 3 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: 5 percent  
Gypsum maximum: 3 percent  
Sodium adsorption ratio maximum: 15.0  
Available water capacity: High (about 10.3 inches)

#### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 4e  
Ecological site: Saline Overflow (R067BY037CO)

#### Typical Profile

0 to 5 inches: clay loam  
5 to 26 inches: clay loam, clay, silty clay loam  
26 to 60 inches: clay loam, silty clay loam

### Minor Components

#### Razor

Percent of map unit: 5 percent

#### Fort collins

Percent of map unit: 5 percent

#### Arvada

Percent of map unit: 5 percent

#### Ulm

Percent of map unit: 5 percent