

## Map Unit Description

Lincoln County, Colorado

### 150 Manzanst clay loam, 1 to 5 percent slopes

#### Setting

Elevation: 4400 to 6000 feet  
Mean annual precipitation: 11 to 16 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 135 to 155 days

#### Composition

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

#### Description of Manzanst

##### Setting

Landform: Drainageways, fans  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Alluvium

##### Properties and Qualities

Slope: 1 to 5 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Low or moderately low (0.00 to 0.06 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 5 percent  
Sodium adsorption ratio maximum: 10.0  
Available water capacity: High (about 10.9 inches)

##### Interpretive Groups

Land capability (non irrigated): 3e  
Ecological site: Alkaline Plains (R067BY047CO)

##### Typical Profile

0 to 8 inches: clay loam  
8 to 18 inches: clay loam  
18 to 40 inches: silty clay loam  
40 to 60 inches: silty clay loam

#### Minor Components

##### Pleasant soils

Percent of map unit: 3 percent  
Landform: Depressions  
Ecological site: Plains Swale (R067XY010CO)

##### Razor soils

Percent of map unit: 3 percent  
Landform: Hills  
Other vegetative classification: CLAYEY PLAINS (067XY042CO\_1)

##### Karval soils

Percent of map unit: 3 percent  
Landform: Hills  
Other vegetative classification: GRAVEL BREAKS (067XY063CO\_1)

##### Arvada soils

Percent of map unit: 3 percent  
Landform: Fans, drainageways  
Other vegetative classification: Salt Flat (069AY033CO\_1)

##### Vona soils

Percent of map unit: 3 percent  
Landform: Hills  
Other vegetative classification: SANDY PLAINS (067XY024CO\_1)