

# Map Unit Description

Lincoln County, Colorado

## 160 Olnest loamy sand, 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

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

### Description of Olnest

#### Setting

Landform: Hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Eolian deposits

#### Properties and Qualities

Slope: 1 to 5 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: 0 percent  
Available water capacity: Moderate (about 7.8 inches)

#### Interpretive Groups

Land capability (non irrigated): 3e  
Ecological site: Sandy Plains (R067BY024CO)

#### Typical Profile

0 to 8 inches: loamy sand  
8 to 38 inches: sandy clay loam  
38 to 60 inches: loam

### Minor Components

#### Haxtun soils

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

#### Apishapa soils

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

#### Vona soils

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

#### Arvada soils

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

#### Otero soils

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

## Map Unit Description

Lincoln County, Colorado

### 194 Valent-Bijou complex, 1 to 12 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

Valent and similar soils: 55 percent  
Bijou and similar soils: 30 percent  
Minor components: 15 percent

#### Description of Valent

##### Setting

Landform: Dunes  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Eolian sands

##### Properties and Qualities

Slope: 1 to 12 percent  
Drainage class: Excessively drained  
Capacity of the most limiting layer to transmit water (Ksat): High or very high (6.00 to 19.99 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 4.2 inches)

##### Interpretive Groups

Land capability (non irrigated): 6e  
Ecological site: Deep Sand (R067BY015CO)

##### Typical Profile

0 to 3 inches: sand  
3 to 60 inches: sand

#### Description of Bijou

##### Setting

Landform: Interdunes  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Eolian deposits

##### Properties and Qualities

Slope: 1 to 12 percent  
Drainage class: Somewhat excessively drained  
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 5.5 inches)

##### Interpretive Groups

Land capability (non irrigated): 6e  
Ecological site: Sandy Plains (R067BY024CO)

##### Typical Profile

0 to 4 inches: loamy sand  
4 to 9 inches: loamy sand  
9 to 36 inches: sandy loam  
36 to 60 inches: loamy sand

## Map Unit Description

Lincoln County, Colorado

### Minor Components

#### Apishapa soils

Percent of map unit: 4 percent

Landform: Depressions

Ecological site: Plains Swale (R067XY010CO)

#### Olneest soils

Percent of map unit: 4 percent

Landform: Hills

Other vegetative classification: SANDY PLAINS (067XY024CO\_1)

#### Truckton soils

Percent of map unit: 3 percent

Landform: Hills

Other vegetative classification: Sandy Plains (069XY026CO\_1)

#### Otero soils

Percent of map unit: 3 percent

Landform: Hills

Other vegetative classification: SANDY PLAINS (067XY024CO\_1)

#### Gravel pits

Percent of map unit: 1 percent