

# Map Unit Description

Lincoln County, Colorado

## 109 Ascalon-Haxtun complex, 0 to 3 percent slopes

### Setting

Elevation: 4400 to 6000 feet  
Mean annual precipitation: 14 to 16 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 135 to 155 days

### Composition

Ascalon and similar soils: 55 percent  
Haxtun and similar soils: 30 percent  
Minor components: 15 percent

### Description of Ascalon

#### Setting

Landform: Plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: 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 (0.60 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 8.9 inches)

#### Interpretive Groups

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

#### Typical Profile

0 to 4 inches: sandy loam  
4 to 15 inches: sandy clay loam  
15 to 60 inches: fine sandy loam

### Description of Haxtun

#### Setting

Landform: Drainageways  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: 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 (0.20 to 0.60 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 2 percent  
Available water capacity: Moderate (about 8.9 inches)

#### Interpretive Groups

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

#### Typical Profile

0 to 4 inches: loamy sand  
4 to 17 inches: sandy loam  
17 to 44 inches: sandy clay loam  
44 to 60 inches: silt loam

## Map Unit Description

Lincoln County, Colorado

### Minor Components

#### Pleasant soils

Percent of map unit: 3 percent

Landform: Depressions

Ecological site: Plains Swale (R067XY010CO)

#### Platner soils

Percent of map unit: 3 percent

Landform: Plains

Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO\_1)

#### Vona soils

Percent of map unit: 3 percent

Landform: Hills

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

#### Oldest soils

Percent of map unit: 3 percent

Landform: Plains

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

#### Oldest 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