

## Lincoln County, Colorado

### 104—Ascalon sandy loam, 3 to 5 percent slopes

#### Map Unit Setting

*National map unit symbol:* 3j87

*Elevation:* 4,400 to 6,000 feet

*Mean annual precipitation:* 14 to 16 inches

*Mean annual air temperature:* 46 to 52 degrees F

*Frost-free period:* 135 to 155 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Ascalon and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Ascalon

##### Setting

*Landform:* Hills

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Eolian deposits

##### Typical profile

*Ap - 0 to 4 inches:* sandy loam

*Bt - 4 to 15 inches:* sandy clay loam

*Bk - 15 to 60 inches:* fine sandy loam

##### Properties and qualities

*Slope:* 3 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.60 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 15 percent

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* Moderate (about 8.9 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* B

*Ecological site:* Sandy Plains (R067BY024CO)

## Minor Components

### Haxtun

*Percent of map unit:* 3 percent

*Landform:* Drainageways

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

### Pleasant

*Percent of map unit:* 3 percent

*Landform:* Depressions

*Ecological site:* Plains Swale (R067XY010CO)

### Platner

*Percent of map unit:* 3 percent

*Landform:* Plains

*Ecological site:* Loamy Plains (R067BY002CO)

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

### Vona

*Percent of map unit:* 3 percent

*Landform:* Hills

*Landform position (three-dimensional):* Side slope

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

### Otero

*Percent of map unit:* 3 percent

*Landform:* Hills

*Landform position (three-dimensional):* Side slope

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

## Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 12, Sep 23, 2014

## Lincoln County, Colorado

### 127—Fort Collins-Platner loams, 1 to 5 percent slopes

#### Map Unit Setting

*National map unit symbol:* 3jgt  
*Elevation:* 4,400 to 6,000 feet  
*Mean annual precipitation:* 14 to 16 inches  
*Mean annual air temperature:* 46 to 52 degrees F  
*Frost-free period:* 135 to 155 days  
*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Fort collins and similar soils:* 50 percent  
*Platner and similar soils:* 35 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Fort Collins

##### Setting

*Landform:* Plains  
*Landform position (two-dimensional):* Summit  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium and/or eolian deposits

##### Typical profile

*A - 0 to 7 inches:* loam  
*Bt - 7 to 13 inches:* clay loam  
*Bk1 - 13 to 30 inches:* loam  
*Bk2 - 30 to 60 inches:* loam

##### Properties and qualities

*Slope:* 1 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.20 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 15 percent  
*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* High (about 10.4 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* B  
*Ecological site:* Loamy Plains (R067BY002CO)

## **Description of Platner**

### **Setting**

*Landform:* Plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium and/or eolian deposits

### **Typical profile**

*A - 0 to 7 inches:* loam  
*Bt - 7 to 15 inches:* clay loam  
*Bk1 - 15 to 40 inches:* silty clay loam  
*Bk2 - 40 to 60 inches:* clay loam

### **Properties and qualities**

*Slope:* 1 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high (0.20 to 0.60 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 15 percent  
*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to  
2.0 mmhos/cm)  
*Available water storage in profile:* High (about 10.1 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4e  
*Hydrologic Soil Group:* C  
*Ecological site:* Loamy Plains (R067BY002CO)

## **Minor Components**

### **Colby**

*Percent of map unit:* 3 percent  
*Landform:* Plains  
*Other vegetative classification:* Loamy Plains (067XY002)

### **Vona**

*Percent of map unit:* 3 percent  
*Landform:* Hills  
*Landform position (three-dimensional):* Side slope  
*Other vegetative classification:* SANDY PLAINS (067XY024CO\_1)

### **Pleasant**

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

**Ascalon**

*Percent of map unit:* 3 percent

*Landform:* Plains

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

**Karval**

*Percent of map unit:* 3 percent

*Landform:* Hills

*Landform position (three-dimensional):* Side slope

*Other vegetative classification:* GRAVEL BREAKS  
(067XY063CO\_1)

## Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 12, Sep 23, 2014