

## Lincoln County, Colorado

### 144—Kimst loam, 3 to 12 percent slopes

#### Map Unit Setting

*National map unit symbol:* 3jhc  
*Elevation:* 4,400 to 6,000 feet  
*Mean annual precipitation:* 11 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

*Kimst and similar soils:* 90 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Kimst

##### Setting

*Landform:* Hills  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium and/or eolian deposits

##### Typical profile

*Ap - 0 to 5 inches:* loam  
*Bk - 5 to 60 inches:* sandy clay loam

##### Properties and qualities

*Slope:* 3 to 12 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*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 4.0 mmhos/cm)  
*Available water storage in profile:* High (about 10.7 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6e  
*Hydrologic Soil Group:* B  
*Ecological site:* Loamy plains (R067BY002CO)

### **Minor Components**

#### **Apishapa, rarely ponded**

*Percent of map unit:* 3 percent

*Landform:* Depressions

*Ecological site:* Plains swale (R067XY010CO)

#### **Arvada**

*Percent of map unit:* 3 percent

*Landform:* Fans, drainageways

*Other vegetative classification:* Salt Flat (069AY033CO\_1)

#### **Vona**

*Percent of map unit:* 2 percent

*Landform:* Hills

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

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

#### **Karval**

*Percent of map unit:* 2 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 11, Dec 23, 2013

## Lincoln County, Colorado

### 121—Colby silt loam, 3 to 12 percent slopes

#### Map Unit Setting

*National map unit symbol:* 3jgm  
*Elevation:* 4,400 to 6,000 feet  
*Mean annual precipitation:* 11 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

*Colby and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Colby

##### Setting

*Landform:* Hills  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Loess

##### Typical profile

*Ap - 0 to 5 inches:* silt loam  
*Bk - 5 to 60 inches:* silt loam

##### Properties and qualities

*Slope:* 3 to 12 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*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  
*Available water storage in profile:* High (about 10.8 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6e  
*Hydrologic Soil Group:* B  
*Ecological site:* Loamy slopes (R067BY008CO)

## Minor Components

### Keith

*Percent of map unit:* 5 percent

*Landform:* Hills

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

*Ecological site:* Loamy plains (R067BY002CO)

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

### Kimst

*Percent of map unit:* 3 percent

*Landform:* Hills

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

*Ecological site:* Loamy plains (R067BY002CO)

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

### Apishapa, rarely ponded

*Percent of map unit:* 3 percent

*Landform:* Depressions

*Ecological site:* Plains swale (R067XY010CO)

### Karval

*Percent of map unit:* 3 percent

*Landform:* Hills

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

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

### Rock outcrop

*Percent of map unit:* 1 percent

*Landform:* Scarps

## Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 11, Dec 23, 2013

## Lincoln County, Colorado

### 172—Platner loam, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 3jj8  
*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

*Platner and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### 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:* 0 to 3 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 (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):* 3c  
*Hydrologic Soil Group:* C  
*Ecological site:* Loamy plains (R067BY002CO)

### Minor Components

#### Otero

*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)

#### Fort collins

*Percent of map unit:* 3 percent

*Landform:* Plains

*Ecological site:* Loamy plains (R067BY002CO)

*Other vegetative classification:* LOAMY PLAINS (067XY002CO\_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 11, Dec 23, 2013