

# Map Unit Description

Lincoln County, Colorado

## 121 Colby silt loam, 3 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

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

### Description of Colby

#### Setting

Landform: Hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Loess

#### Properties and Qualities

Slope: 3 to 12 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: High (about 10.8 inches)

#### Interpretive Groups

Land capability (non irrigated): 6e  
Ecological site: Loamy Slopes (R067BY008CO)

#### Typical Profile

0 to 5 inches: silt loam  
5 to 60 inches: silt loam

### Minor Components

#### Keith soils

Percent of map unit: 5 percent  
Landform: Hills  
Ecological site: Loamy Plains (R067BY002CO)  
Other vegetative classification: LOAMY PLAINS (067XY002CO\_1)

#### Kimst soils

Percent of map unit: 3 percent  
Landform: Hills  
Ecological site: Loamy Plains (R067BY002CO)  
Other vegetative classification: LOAMY PLAINS (067XY002CO\_1)

#### Apishapa, rarely ponded soils

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

#### Karval soils

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

#### Rock outcrop

Percent of map unit: 1 percent  
Landform: Scarps