

## Lincoln County, Colorado

### 216—Wiley silt loam, 3 to 12 percent slopes

#### Map Unit Setting

*Elevation:* 3,500 to 6,500 feet  
*Mean annual precipitation:* 13 to 17 inches  
*Mean annual air temperature:* 46 to 54 degrees F  
*Frost-free period:* 135 to 180 days

#### Map Unit Composition

*Wiley and similar soils:* 85 percent  
*Minor components:* 15 percent

#### Description of Wiley

##### Setting

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

##### Properties and qualities

*Slope:* 3 to 12 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*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 content:* 15 percent  
*Available water capacity:* High (about 10.8 inches)

##### Interpretive groups

*Farmland classification:* Not prime farmland  
*Land capability (nonirrigated):* 6e  
*Hydrologic Soil Group:* B  
*Ecological site:* Loamy Plains (R067BY002CO)

##### Typical profile

*0 to 4 inches:* Silt loam  
*4 to 23 inches:* Silty clay loam  
*23 to 60 inches:* Silt loam

#### Minor Components

##### Fort collins

*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)

**Baca, cool**

*Percent of map unit:* 5 percent

*Landform:* Plains

*Landform position (two-dimensional):* Summit, footslope

**Pleasant**

*Percent of map unit:* 3 percent

*Landform:* Depressions

*Ecological site:* Plains Swale (R067XY010CO)

**Razor**

*Percent of map unit:* 2 percent

*Landform:* Hills

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

*Other vegetative classification:* CLAYEY PLAINS (067XY042CO\_1)

## Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 11, Dec 23, 2013