

## Lincoln County, Colorado

### 215—Wiley silt loam, 0 to 3 percent slopes

#### Map Unit Setting

*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

#### Map Unit Composition

*Wiley and similar soils:* 85 percent

*Minor components:* 15 percent

#### Description of Wiley

##### Setting

*Landform:* Plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Loess

##### Typical profile

*Ap - 0 to 4 inches:* moderately alkaline, silt loam

*Btk - 4 to 23 inches:* moderately alkaline, silty clay loam

*C - 23 to 60 inches:* strongly alkaline, silt loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Natural 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 in profile:* 15 percent

*Available water storage in profile:* High (about 10.8 inches)

##### Interpretive groups

*Farmland classification:* Farmland of statewide importance

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* B

*Ecological site:* Loamy Plains (R067BY002CO)

#### Minor Components

##### 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)

**Colby**

*Percent of map unit:* 3 percent

*Landform:* Plains

*Other vegetative classification:* Loamy Plains (067XY002)

**Karval**

*Percent of map unit:* 3 percent

*Landform:* Hills

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

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

**Arvada**

*Percent of map unit:* 3 percent

*Landform:* Fans, drainageways

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

## Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 11, Dec 23, 2013