

## Lincoln County, Colorado

### 213—Weld silt loam, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2x0hx

*Elevation:* 3,600 to 6,000 feet

*Mean annual precipitation:* 12 to 18 inches

*Mean annual air temperature:* 46 to 54 degrees F

*Frost-free period:* 115 to 155 days

*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Weld and similar soils:* 80 percent

*Minor components:* 20 percent

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

#### Description of Weld

##### Setting

*Landform:* Interfluves

*Landform position (two-dimensional):* Summit

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Calcareous loess

##### Typical profile

*Ap - 0 to 3 inches:* silt loam

*Bt1 - 3 to 11 inches:* silty clay

*Bt2 - 11 to 15 inches:* silty clay

*Btk - 15 to 21 inches:* silty clay

*Bk - 21 to 31 inches:* silt loam

*C - 31 to 80 inches:* silt loam

##### Properties and qualities

*Slope:* 0 to 3 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 low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 14 percent

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.1 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 5.0

*Available water storage in profile:* High (about 11.7 inches)

**Interpretive groups**

*Land capability classification (irrigated): 2e*

*Land capability classification (nonirrigated): 3c*

*Hydrologic Soil Group: C*

*Ecological site: Loamy Plains (R067BY002CO)*

*Hydric soil rating: No*

**Minor Components****Colby**

*Percent of map unit: 7 percent*

*Landform: Hillslopes*

*Landform position (two-dimensional): Backslope*

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

*Down-slope shape: Convex*

*Across-slope shape: Convex*

*Ecological site: Loamy Plains (R067BY002CO)*

*Hydric soil rating: No*

**Keith**

*Percent of map unit: 5 percent*

*Landform: Interfluves*

*Landform position (two-dimensional): Summit*

*Landform position (three-dimensional): Interfluve*

*Down-slope shape: Linear*

*Across-slope shape: Linear*

*Ecological site: Loamy Plains (R067BY002CO)*

*Hydric soil rating: No*

**Adena**

*Percent of map unit: 5 percent*

*Landform: Interfluves*

*Landform position (two-dimensional): Summit*

*Landform position (three-dimensional): Interfluve*

*Down-slope shape: Convex*

*Across-slope shape: Convex*

*Ecological site: Loamy Plains (R067BY002CO)*

*Hydric soil rating: No*

**Rago, rarely flooded**

*Percent of map unit: 2 percent*

*Landform: Drainageways*

*Down-slope shape: Linear*

*Across-slope shape: Concave*

*Ecological site: Overflow (R067BY036CO)*

*Hydric soil rating: No*

**Pleasant, ponded**

*Percent of map unit: 1 percent*

*Landform: Playas, closed depressions*

*Down-slope shape: Concave*

*Across-slope shape: Concave*

*Ecological site: Plains Swale (R067BY010CO)*

*Hydric soil rating:* Yes

## Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 14, Sep 22, 2016