

## Lincoln County, Colorado

### 177—Razor clay loam, 1 to 5 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

*Razor and similar soils:* 85 percent

*Minor components:* 15 percent

#### Description of Razor

##### Setting

*Landform:* Hills

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

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Clayey slope alluvium over residuum weathered from shale

##### Typical profile

*A - 0 to 2 inches:* moderately alkaline, clay loam

*Bw - 2 to 15 inches:* moderately alkaline, silty clay

*Bky - 15 to 27 inches:* moderately alkaline, silty clay

*Cr - 27 to 37 inches:* , weathered bedrock

##### Properties and qualities

*Slope:* 1 to 5 percent

*Depth to restrictive feature:* 20 to 40 inches to paralithic bedrock

*Natural drainage class:* Well drained

*Capacity of the most limiting layer to transmit water (Ksat):* Very low  
(0.00 to 0.00 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

*Gypsum, maximum in profile:* 5 percent

*Salinity, maximum in profile:* Very slightly saline to slightly saline (4.0 to 8.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 15.0

*Available water storage in profile:* Low (about 4.5 inches)

##### Interpretive groups

*Farmland classification:* Not prime farmland

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6s

*Hydrologic Soil Group:* C

*Ecological site:* Alkaline Plains (R069XY047CO)

### Minor Components

#### Fort

*Percent of map unit:* 4 percent

*Landform:* Hills

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

*Other vegetative classification:* LOAMY PLAINS (069XY006CO\_1)

#### Arvada

*Percent of map unit:* 4 percent

*Landform:* Fans, drainageways

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

#### Midway

*Percent of map unit:* 3 percent

*Landform:* Hills

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

*Other vegetative classification:* SHALY PLAINS (069XY046CO\_1)

#### 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