

## Lincoln County, Colorado

### 128—Fort Collins-Razor, moist, complex, 5 to 15 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

*Fort collins and similar soils:* 50 percent  
*Razor, moist, and similar soils:* 40 percent  
*Minor components:* 10 percent

#### Description of Fort Collins

##### Setting

*Landform:* Hills  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium and/or eolian deposits

##### Properties and qualities

*Slope:* 5 to 10 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 to high (0.20 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 15 percent  
*Maximum salinity:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Available water capacity:* High (about 10.4 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 7 inches:* Loam  
*7 to 13 inches:* Clay loam  
*13 to 30 inches:* Loam  
*30 to 60 inches:* Loam

## Description of Razor, Moist

### 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

### Properties and qualities

*Slope:* 5 to 15 percent

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

*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 content:* 15 percent

*Gypsum, maximum content:* 5 percent

*Maximum salinity:* Very slightly saline to slightly saline (4.0 to 8.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 15.0

*Available water capacity:* Low (about 4.7 inches)

### Interpretive groups

*Farmland classification:* Not prime farmland

*Land capability (nonirrigated):* 6e

*Hydrologic Soil Group:* C

*Ecological site:* Clayey Plains (R067BY042CO)

### Typical profile

*0 to 2 inches:* Clay loam

*2 to 21 inches:* Silty clay

*21 to 27 inches:* Silty clay

*27 to 37 inches:* Weathered bedrock

## Minor Components

### Arvada

*Percent of map unit:* 3 percent

*Landform:* Fans, drainageways

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

### Otero

*Percent of map unit:* 2 percent

*Landform:* Hills

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

*Other vegetative classification:* SANDY PLAINS (067XY024CO\_1)

### Midway

*Percent of map unit:* 2 percent

*Landform:* Hills

*Landform position (three-dimensional):* Side slope  
*Other vegetative classification:* SHALY PLAINS (067XY045CO\_3)

**Karval**

*Percent of map unit:* 2 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