

## Map Unit Description

Lincoln County, Colorado

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

#### Setting

Elevation: 4400 to 6000 feet  
Mean annual precipitation: 11 to 16 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 135 to 155 days

#### 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  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Alluvium and/or eolian deposits

##### Properties and Qualities

Slope: 5 to 10 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.20 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 10.4 inches)

##### Interpretive Groups

Land capability (non irrigated): 6e  
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  
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)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 5 percent  
Salinity maximum: Very slightly saline or 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

Land capability (non irrigated): 6e  
Ecological site: Clayey Plains (R067BY042CO)

##### Typical Profile

## Map Unit Description

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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 soils

Percent of map unit: 3 percent  
Landform: Fans, drainageways  
Other vegetative classification: Salt Flat (069AY033CO\_1)

#### Otero soils

Percent of map unit: 2 percent  
Landform: Hills  
Other vegetative classification: SANDY PLAINS (067XY024CO\_1)

#### Midway soils

Percent of map unit: 2 percent  
Landform: Hills  
Other vegetative classification: SHALY PLAINS (067XY045CO\_3)

#### Karval soils

Percent of map unit: 2 percent  
Landform: Hills  
Other vegetative classification: GRAVEL BREAKS (067XY063CO\_1)

#### Rock outcrop

Percent of map unit: 1 percent  
Landform: Scarps