

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