

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

Lincoln County, Colorado

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

Map Unit Description

Lincoln County, Colorado

134 Haverson loam, 0 to 3 percent slopes, rarely flooded

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

Haverson, rarely flooded, and similar soils: 85 percent
Minor components: 15 percent

Description of Haverson, rarely flooded

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: Rare
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 2 percent
Salinity maximum: Very slightly saline or slightly saline (4.0 to 8.0 mmhos/cm)
Sodium adsorption ratio maximum: 5.0
Available water capacity: High (about 9.8 inches)

Interpretive Groups

Land capability (non irrigated): 3e
Ecological site: Overflow (R067BY036CO)

Typical Profile

0 to 5 inches: loam
5 to 15 inches: clay loam
15 to 60 inches: clay loam

Minor Components

Bankard soils

Percent of map unit: 5 percent
Landform: Flood plains
Other vegetative classification: Sandy Bottomland (67XY031CO)

Glenberg soils

Percent of map unit: 5 percent
Landform: Flood plains
Other vegetative classification: Sandy Bottomland (67XY031CO)

Arvada soils

Percent of map unit: 3 percent
Landform: Drainageways, fans
Other vegetative classification: Salt Flat (069AY033CO_1)

Sampson soils

Percent of map unit: 2 percent
Landform: Flood plains
Ecological site: Overflow Central/South - Draft (R067XY036CO)

Map Unit Description

Lincoln County, Colorado

144 Kimst loam, 3 to 12 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

Kimst and similar soils: 90 percent
Minor components: 10 percent

Description of Kimst

Setting

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

Properties and Qualities

Slope: 3 to 12 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.7 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 5 inches: loam
5 to 60 inches: sandy clay loam

Minor Components

Apishapa, rarely ponded soils

Percent of map unit: 3 percent
Landform: Depressions
Ecological site: Plains Swale (R067XY010CO)

Arvada soils

Percent of map unit: 3 percent
Landform: Fans, drainageways
Other vegetative classification: Salt Flat (069AY033CO_1)

Vona soils

Percent of map unit: 2 percent
Landform: Hills
Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Karval soils

Percent of map unit: 2 percent
Landform: Hills
Other vegetative classification: GRAVEL BREAKS (067XY063CO_1)