

Map Unit Description

Lincoln County, Colorado

163 Olnest sandy loam, 5 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

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

Description of Olnest

Setting

Landform: Hills
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits

Properties and Qualities

Slope: 5 to 12 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 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: Moderate (about 8.2 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 8 inches: sandy loam
8 to 38 inches: sandy clay loam
38 to 60 inches: loam

Minor Components

Arvada soils

Percent of map unit: 4 percent
Landform: Fans, drainageways
Other vegetative classification: Salt Flat (069AY033CO_1)

Vona soils

Percent of map unit: 3 percent
Landform: Hills
Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Ascalon soils

Percent of map unit: 3 percent
Landform: Hills
Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Map Unit Description

Lincoln County, Colorado

194 Valent-Bijou complex, 1 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

Valent and similar soils: 55 percent
Bijou and similar soils: 30 percent
Minor components: 15 percent

Description of Valent

Setting

Landform: Dunes
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian sands

Properties and Qualities

Slope: 1 to 12 percent
Drainage class: Excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High or very high (6.00 to 19.99 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.2 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Deep Sand (R067BY015CO)

Typical Profile

0 to 3 inches: sand
3 to 60 inches: sand

Description of Bijou

Setting

Landform: Interdunes
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits

Properties and Qualities

Slope: 1 to 12 percent
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 5.5 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 4 inches: loamy sand
4 to 9 inches: loamy sand
9 to 36 inches: sandy loam
36 to 60 inches: loamy sand

Map Unit Description

Lincoln County, Colorado

Minor Components

Apishapa soils

Percent of map unit: 4 percent

Landform: Depressions

Ecological site: Plains Swale (R067XY010CO)

Olneest soils

Percent of map unit: 4 percent

Landform: Hills

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Truckton soils

Percent of map unit: 3 percent

Landform: Hills

Other vegetative classification: Sandy Plains (069XY026CO_1)

Otero soils

Percent of map unit: 3 percent

Landform: Hills

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Gravel pits

Percent of map unit: 1 percent