

Map Unit Description

Lincoln County, Colorado

148 Manzanola clay loam, 1 to 5 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

Manzanola and similar soils: 85 percent
Minor components: 15 percent

Description of Manzanola

Setting

Landform: Fans, drainageways
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous clayey alluvium

Properties and Qualities

Slope: 1 to 5 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 4 percent
Salinity maximum: Non saline or slightly saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio maximum: 5.0
Available water capacity: High (about 10.0 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Alkaline Plains (R069XY047CO)

Typical Profile

0 to 5 inches: clay loam
5 to 30 inches: clay loam
30 to 60 inches: clay loam

Minor Components

Apishapa soils

Percent of map unit: 5 percent
Landform: Depressions
Ecological site: Plains Swale (R067XY010CO)

Arvada soils

Percent of map unit: 5 percent
Landform: Fans, drainageways
Other vegetative classification: Salt Flat (069AY033CO_1)

Fort soils

Percent of map unit: 3 percent
Landform: Hills
Other vegetative classification: LOAMY PLAINS (069XY006CO_1)

Razor soils

Percent of map unit: 2 percent
Landform: Hills
Other vegetative classification: ALKALINE PLAINS (069XY047CO_1)

Rangeland Productivity and Plant Composition

Lincoln County, Colorado

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		<i>Lb/Ac</i>	<i>Lb/Ac</i>	<i>Lb/Ac</i>		<i>Pct</i>
148:						
Manzanola	Alkaline Plains	1,500	1,200	500	Alkali sacaton	45
					Galleta	20
					Blue grama	15
					Western wheatgrass	10
					Fourwing saltbush	5

Map Unit Description

Lincoln County, Colorado

129 Fort loam, 1 to 3 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 and similar soils: 85 percent
Minor components: 15 percent

Description of Fort

Setting

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

Properties and Qualities

Slope: 1 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: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Sodium adsorption ratio maximum: 15.0
Available water capacity: High (about 10.5 inches)

Interpretive Groups

Land capability (non irrigated): 4c
Ecological site: Loamy Plains (R069XY006CO)

Typical Profile

0 to 2 inches: loam
2 to 5 inches: sandy loam
5 to 34 inches: clay loam
34 to 60 inches: silty clay loam

Minor Components

Apishapa soils

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

Wilid soils

Percent of map unit: 3 percent
Landform: Plains
Ecological site: loamy plains (R069XY002CO)

Karval soils

Percent of map unit: 3 percent
Landform: Hills
Other vegetative classification: GRAVEL BREAKS (067XY063CO_1)

Arvada soils

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

Oterodry soils

Percent of map unit: 3 percent
Landform: Hills
Other vegetative classification: Sandy Plains (069XY026CO_1)

Map Unit Description

Lincoln County, Colorado

Rangeland Productivity and Plant Composition

Lincoln County, Colorado

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/Ac	Lb/Ac	Lb/Ac		Pct
129:						
Fort	Loamy Plains	1,200	800	200	Blue grama	50
					Western wheatgrass	15
					Galleta	10
					Buffalograss	5
					Fourwing saltbush	5
					Green needlegrass	5
					Sand dropseed	5