

Map Unit Description

Lincoln County, Colorado

102 Arvada clay loam, 0 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

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

Description of Arvada

Setting

Landform: Fans, drainageways
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Saline clayey alluvium derived from shale

Properties and Qualities

Slope: 0 to 5 percent
Depth to restrictive feature: 3 to 6 inches to Natric
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Low or moderately low (0.00 to 0.06 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 3 percent
Salinity maximum: Very slightly saline or moderately saline (4.0 to 16.0 mmhos/cm)
Sodium adsorption ratio maximum: 30.0
Available water capacity: Very low (about 0.7 inches)

Interpretive Groups

Land capability (non irrigated): 7s
Ecological site: Salt Flat (R069XY033CO)
Other vegetative classification: Salt Flat (069AY033CO_1)

Typical Profile

0 to 4 inches: clay loam
4 to 25 inches: clay
25 to 44 inches: clay
44 to 60 inches: clay loam

Minor Components

Vonid soils

Percent of map unit: 5 percent
Landform: Hills
Other vegetative classification: Sandy Plains (069XY026CO_1)

Razor soils

Percent of map unit: 5 percent
Landform: Hills
Other vegetative classification: ALKALINE PLAINS (069XY047CO_1)

Manzanola soils

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

Karval soils

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

Rock outcrop

Map Unit Description

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Percent of map unit: 1 percent
Landform: Scarps