

Map Unit Description

Cheyenne County, Colorado

30 Manzanola clay loam, 0 to 3 percent slopes

Setting

Elevation: 4400 to 5600 feet
Mean annual precipitation: 11 to 15 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 140 to 180 days

Composition

Manzanola and similar soils: 80 percent
Minor components: 20 percent

Description of Manzanola

Setting

Landform: Alluvial fans, stream terraces, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Fine-textured alluvium derived from calcareous shale

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 5 percent
Gypsum maximum: 3 percent
Sodium adsorption ratio maximum: 15.0
Available water capacity: High (about 10.3 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 4e
Ecological site: Saline Overflow (R067BY037CO)

Typical Profile

0 to 5 inches: clay loam
5 to 26 inches: clay loam, clay, silty clay loam
26 to 60 inches: clay loam, silty clay loam

Minor Components

Razor

Percent of map unit: 5 percent

Fort collins

Percent of map unit: 5 percent

Arvada

Percent of map unit: 5 percent

Ulm

Percent of map unit: 5 percent