

Map Unit Description

Rio Blanco County Area, Colorado

7 Billings silty clay loam, 0 to 5 percent slopes

Setting

Elevation: 5100 to 5800 feet
Mean annual precipitation: 6 to 8 inches
Mean annual air temperature: 47 to 49 degrees F
Frost-free period: 105 to 135 days

Composition

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

Description of Billings

Setting

Landform: Terraces, valley floors
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous silty alluvium derived from shale

Properties and Qualities

Slope: 0 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 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 25 percent
Gypsum maximum: 10 percent
Salinity maximum: Non saline or slightly saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio maximum: 10.0
Available water capacity: High (about 10.2 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 7s

Typical Profile

0 to 6 inches: silty clay loam
6 to 60 inches: silty clay loam, clay loam

Minor Components

Other soils

Percent of map unit: 15 percent

Map Unit Description

Rio Blanco County Area, Colorado

16 Chipeta silty clay loam, 3 to 25 percent slopes

Setting

Elevation: 5100 to 5800 feet
Mean annual precipitation: 7 to 9 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 105 to 135 days

Composition

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

Description of Chipeta

Setting

Landform: Toes, hills
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Gypsiferous residuum weathered from calcareous shale

Properties and Qualities

Slope: 3 to 25 percent
Depth to restrictive feature: 5 to 20 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: 10 percent
Gypsum maximum: 10 percent
Salinity maximum: Slightly saline or moderately saline (8.0 to 16.0 mmhos/cm)
Sodium adsorption ratio maximum: 15.0
Available water capacity: Very low (about 2.7 inches)

Interpretive Groups

Land capability (non irrigated): 7e
Ecological site: Clayey Saltdesert (R034XY403CO)

Typical Profile

0 to 3 inches: silty clay loam
3 to 18 inches: silty clay loam, silty clay, clay
18 to 22 inches: weathered bedrock

Minor Components

Other soils

Percent of map unit: 15 percent