

## 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

#### 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

## 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

#### 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