

## Map Unit Description

Rio Blanco County Area, Colorado

### 18 Chipeta-Killpack silty clay loams, 3 to 15 percent slopes

#### Setting

Elevation: 5100 to 5800 feet  
Mean annual precipitation: 7 to 9 inches  
Mean annual air temperature: 47 to 49 degrees F  
Frost-free period: 105 to 135 days

#### Composition

Chipeta and similar soils: 60 percent  
Killpack and similar soils: 30 percent

#### Description of Chipeta

##### Setting

Landform: Valley sides, toes, ridges, hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Gypsiferous residuum weathered from calcareous shale

##### Properties and Qualities

Slope: 3 to 15 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

#### Description of Killpack

##### Setting

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

##### Properties and Qualities

Slope: 3 to 8 percent  
Depth to restrictive feature: 20 to 40 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: 15 percent  
Gypsum maximum: 1 percent  
Salinity maximum: Non saline or slightly saline (2.0 to 8.0 mmhos/cm)  
Available water capacity: Low (about 5.1 inches)

##### Interpretive Groups

Land capability (non irrigated): 7e

##### Typical Profile

0 to 4 inches: silty clay loam

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4 to 30 inches: silty clay loam, clay loam  
30 to 34 inches: weathered bedrock