

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
Minor components: 10 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

Map Unit Description

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

Minor Components

Other soils

Percent of map unit: 10 percent