

Rio Blanco County Area, Colorado

16—Chipeta silty clay loam, 3 to 25 percent slopes

Map Unit Setting

National map unit symbol: jp43

Elevation: 5,100 to 5,800 feet

Mean annual precipitation: 7 to 9 inches

Mean annual air temperature: 46 to 50 degrees F

Frost-free period: 105 to 135 days

Farmland classification: Not prime farmland

Map Unit Composition

Chipeta and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Chipeta

Setting

Landform: Hills, toes

Landform position (three-dimensional): Side slope, base slope, nose slope, head slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Gypsiferous residuum weathered from calcareous shale

Typical profile

H1 - 0 to 3 inches: silty clay loam

H2 - 3 to 18 inches: silty clay

H3 - 18 to 22 inches: weathered bedrock

Properties and qualities

Slope: 3 to 25 percent

Depth to restrictive feature: 5 to 20 inches to paralithic bedrock

Drainage class: Well drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 10 percent

Gypsum, maximum content: 10 percent

Maximum salinity: Moderately saline to strongly saline (8.0 to 16.0 mmhos/cm)

Sodium adsorption ratio, maximum: 15.0

Available water supply, 0 to 60 inches: Very low (about 2.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: R034BY117UT - Desert Shallow Clay (Mat Saltbush)

Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 15 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Rio Blanco County Area, Colorado

Survey Area Data: Version 19, Aug 29, 2024