

Rio Blanco County Area, Colorado

70—Redcreek-Rentsac complex, 5 to 30 percent slopes

Map Unit Setting

National map unit symbol: jp61
Elevation: 6,000 to 7,400 feet
Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 85 to 105 days
Farmland classification: Not prime farmland

Map Unit Composition

Redcreek and similar soils: 60 percent
Rentsac and similar soils: 30 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Redcreek

Setting

Landform: Ridges, mountainsides
Landform position (three-dimensional): Mountainflank
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits and/or residuum weathered from sandstone

Typical profile

H1 - 0 to 11 inches: sandy loam
H2 - 11 to 16 inches: channery sandy loam
H3 - 16 to 20 inches: unweathered bedrock

Properties and qualities

Slope: 5 to 30 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat):
Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 10 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: Very low (about 1.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: D
Ecological site: Pinyon-Juniper (F048AY909CO)
Hydric soil rating: No

Description of Rentsac

Setting

Landform: Mountainsides
Landform position (three-dimensional): Mountainflank
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits and/or residuum weathered from sandstone

Typical profile

H1 - 0 to 5 inches: channery loam
H2 - 5 to 16 inches: extremely channery loam, extremely gravelly sandy loam, very flaggy loam
H2 - 5 to 16 inches: unweathered bedrock
H2 - 5 to 16 inches:
H3 - 16 to 20 inches:

Properties and qualities

Slope: 5 to 30 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Natural 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 in profile: 15 percent
Salinity, maximum in profile: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Available water storage in profile: Very low (about 2.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: Pinyon-Juniper (F048AY909CO)
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 10 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Rio Blanco County Area, Colorado
Survey Area Data: Version 14, Sep 13, 2019