

Rio Blanco County Area, Colorado

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

Map Unit Setting

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

Map Unit Composition

Redcreek and similar soils: 60 percent
Rentsac and similar soils: 30 percent

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

Properties and qualities

Slope: 5 to 30 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
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 content: 10 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Very low (about 1.7 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability (nonirrigated): 6e
Hydrologic Soil Group: D

Typical profile

0 to 11 inches: Sandy loam
11 to 16 inches: Channery sandy loam
16 to 20 inches: Unweathered bedrock

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

Properties and qualities

Slope: 5 to 30 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

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: 15 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 4.0 mmhos/cm)

Available water capacity: Very low (about 2.0 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability (nonirrigated): 7e

Hydrologic Soil Group: D

Typical profile

0 to 5 inches: Channery loam

5 to 16 inches: Extremely channery loam, extremely gravelly sandy loam, very flaggy loam

16 to 20 inches: Unweathered bedrock

Data Source Information

Soil Survey Area: Rio Blanco County Area, Colorado

Survey Area Data: Version 9, Dec 23, 2013

Rio Blanco County Area, Colorado

73—Rentsac channery loam, 5 to 50 percent slopes

Map Unit Setting

Elevation: 6,000 to 7,600 feet
Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 80 to 105 days

Map Unit Composition

Rentsac and similar soils: 80 percent

Description of Rentsac

Setting

Landform: Ridges
Landform position (three-dimensional): Upper third of mountainflank
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Residuum weathered from calcareous sandstone

Properties and qualities

Slope: 5 to 50 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
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: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 4.0 mmhos/cm)
Available water capacity: Very low (about 2.0 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability (nonirrigated): 7e
Hydrologic Soil Group: D

Typical profile

0 to 5 inches: Channery loam
5 to 16 inches: Very flaggy loam, extremely gravelly sandy loam, extremely channery loam
16 to 20 inches: Unweathered bedrock

Data Source Information

Soil Survey Area: Rio Blanco County Area, Colorado
Survey Area Data: Version 9, Dec 23, 2013