

Rio Blanco County Area, Colorado

73—Rentsac channery loam, 5 to 50 percent slopes

Map Unit Setting

National map unit symbol: jp64

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

Farmland classification: Not prime farmland

Map Unit Composition

Rentsac and similar soils: 80 percent

Minor components: 20 percent

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

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

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 50 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: 20 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Rio Blanco County Area, Colorado

Survey Area Data: Version 13, Sep 10, 2018

Rio Blanco County Area, Colorado

91—Torriorthents-Rock outcrop complex, 15 to 90 percent slopes

Map Unit Setting

National map unit symbol: jp6s

Elevation: 5,100 to 7,500 feet

Mean annual precipitation: 8 to 18 inches

Mean annual air temperature: 40 to 50 degrees F

Frost-free period: 70 to 130 days

Farmland classification: Not prime farmland

Map Unit Composition

Torriorthents and similar soils: 50 percent

Rock outcrop: 30 percent

Minor components: 20 percent

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

Description of Torriorthents

Setting

Landform: Ridges, hills, mountains, canyons

Landform position (three-dimensional): Base slope, side slope, nose slope, head slope

Down-slope shape: Linear, concave

Across-slope shape: Linear, concave

Parent material: Colluvium derived from siltstone and/or residuum weathered from limestone, sandstone, and shale

Typical profile

H1 - 0 to 3 inches: channery loam

H2 - 3 to 16 inches: very channery loam

H3 - 16 to 20 inches: unweathered bedrock

Properties and qualities

Slope: 15 to 65 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):

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: 5 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 2.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: Stony Foothills (R048AY287CO)

Hydric soil rating: No

Description of Rock Outcrop

Typical profile

H1 - 0 to 60 inches: unweathered bedrock

Properties and qualities

Slope: 35 to 90 percent

Depth to restrictive feature: 0 to 4 inches to paralithic bedrock

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.14 in/hr)

Available water storage in profile: Very low (about 0.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8s

Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 20 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Rio Blanco County Area, Colorado

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Report—Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition—Rio Blanco County Area, Colorado								
Map unit symbol and soil name	Ecological Site, Plant Association, or Habitat Type	Total dry-weight production			Characteristic rangeland or forest understory vegetation	Composition		
		Favorable year	Normal year	Unfavorable year			Rangeland	Forest understory
		<i>Lb/ac</i>	<i>Lb/ac</i>	<i>Lb/ac</i>			<i>Pct dry wt</i>	<i>Pct dry wt</i>
73—Rentsac channery loam, 5 to 50 percent slopes								
Rentsac	Pinyon-Juniper (F048AY909CO)	—	—	—	—			
91—Torriorthents-Rock outcrop complex, 15 to 90 percent slopes								
Torriorthents	Stony Foothills (R048AY287CO)	—	—	—	—			
Rock outcrop	—	—	—	—	—			

Data Source Information

Soil Survey Area: Rio Blanco County Area, Colorado
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