

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

Minor components: 20 percent

Description of Rentsac

Setting

Landform: Ridges

Landform position (three-dimensional): Upper third of mountain flank

Down-slope shape: Linear, convex

Across-slope shape: Linear, convex

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

Land capability (nonirrigated): 7e

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

Minor Components

Other soils

Percent of map unit: 20 percent

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

Map Unit Setting

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

Map Unit Composition

Torriorthents and similar soils: 50 percent
Rock outcrop: 30 percent
Minor components: 20 percent

Description of Torriorthents

Setting

Landform: Canyons, ridges, hills, mountains
Landform position (three-dimensional): Base slope, side slope, nose slope, head slope
Down-slope shape: Concave, linear
Across-slope shape: Concave, linear
Parent material: Colluvium derived from siltstone and/or residuum weathered from limestone, sandstone, and shale

Properties and qualities

Slope: 15 to 65 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: 5 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Very low (about 2.3 inches)

Interpretive groups

Land capability (nonirrigated): 7e
Ecological site: Stony Foothills (R048AY287CO)

Typical profile

0 to 3 inches: Channery loam
3 to 16 inches: Very channery loam
16 to 20 inches: Unweathered bedrock

Description of Rock Outcrop

Properties and qualities

Slope: 35 to 90 percent

Custom Soil Resource Report

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

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

Available water capacity: Very low (about 0.0 inches)

Interpretive groups

Land capability (nonirrigated): 8s

Typical profile

0 to 60 inches: Unweathered bedrock

Minor Components

Other soils

Percent of map unit: 20 percent