

Map Unit Description

Rio Blanco County Area, Colorado

75 Rentsac-Piceance complex, 2 to 30 percent slopes

Setting

Landscape: Foothills, uplands
Elevation: 6000 to 7600 feet
Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 80 to 105 days

Composition

Rentsac and similar soils: 60 percent
Piceance and similar soils: 30 percent
Minor components: 10 percent

Description of Rentsac

Setting

Landform: Ridges
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum weathered from sandstone

Properties and Qualities

Slope: 8 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 to 0.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 1.2 inches)

Interpretive Groups

Land capability (non irrigated): 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

Description of Piceance

Setting

Landform: Ridges
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum weathered from sandstone

Properties and Qualities

Slope: 2 to 15 percent
Depth to restrictive feature: 20 to 40 inches to Lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or high (0.06 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.2 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Rolling Loam (R048AY298CO)

Typical Profile

0 to 4 inches: fine sandy loam
4 to 22 inches: loam, sandy clay loam, clay loam

Map Unit Description

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22 to 30 inches: channery sandy loam, channery loam, channery sandy clay loam
30 to 34 inches: unweathered bedrock

Minor Components

Other soils

Percent of map unit: 10 percent

Map Unit Description

Rio Blanco County Area, Colorado

73 Rentsac channery loam, 5 to 50 percent slopes

Setting

Landscape: Foothills
Elevation: 6000 to 7600 feet
Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 80 to 105 days

Composition

Rentsac and similar soils: 80 percent
Minor components: 20 percent

Description of Rentsac

Setting

Landform: Ridges
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 to 0.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 1.2 inches)

Interpretive Groups

Land capability (non irrigated): 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