

Map Unit Description

Rio Blanco County Area, Colorado

104 Yamac loam, 2 to 15 percent slopes

Setting

Landscape: Uplands
Elevation: 5800 to 7100 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 40 to 45 degrees F
Frost-free period: 80 to 105 days

Composition

Yamac and similar soils: 85 percent
Minor components: 15 percent

Description of Yamac

Setting

Landform: Fans, terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Properties and Qualities

Slope: 2 to 15 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 1 percent
Sodium adsorption ratio maximum: 5.0
Available water capacity: High (about 9.7 inches)

Interpretive Groups

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

Typical Profile

0 to 4 inches: loam
4 to 22 inches: loam, clay loam, silt loam
22 to 60 inches: loam, clay loam, silt loam

Minor Components

Other soils

Percent of map unit: 15 percent

Map Unit Description

Rio Blanco County Area, Colorado

74 Rentsac-Moyerson-Rock outcrop complex, 5 to 65 percent slopes

Setting

Landscape: Foothills
Elevation: 5800 to 7200 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 75 to 105 days

Composition

Rentsac and similar soils: 40 percent
Moyerson and similar soils: 25 percent
Rock outcrop: 20 percent
Minor components: 15 percent

Description of Rentsac

Setting

Landform: Ridges
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Residuum weathered from 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

Description of Moyerson

Setting

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

Properties and Qualities

Slope: 15 to 65 percent
Depth to restrictive feature: 10 to 20 inches to Paralithic 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: 2 percent
Sodium adsorption ratio maximum: 2.0
Available water capacity: Very low (about 2.4 inches)

Interpretive Groups

Land capability (non irrigated): 7e
Ecological site: Clayey Slopes (R048AY246CO)

Typical Profile

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0 to 2 inches: stony loam
2 to 17 inches: clay loam, clay, silty clay
17 to 21 inches: weathered bedrock

Description of Rock outcrop

Properties and Qualities

Slope: 0 to 5 percent

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

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

Frequency of flooding: None

Frequency of ponding: None

Available water capacity: Very low (about 0.0 inches)

Interpretive Groups

Land capability (non irrigated): 8s

Typical Profile

0 to 60 inches: unweathered bedrock

Minor Components

Other soils

Percent of map unit: 15 percent