

Map Unit Description

Rio Blanco County Area, Colorado

53 Moyerson stony clay loam, 15 to 65 percent slopes

Setting

Elevation: 5600 to 7300 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 85 to 105 days

Composition

Moyerson and similar soils: 90 percent
Minor components: 10 percent

Description of Moyerson

Setting

Landform: Plateaus, ridges
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum weathered from calcareous shale

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: 3 percent
Salinity maximum: Non saline or very slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio maximum: 10.0
Available water capacity: Very low (about 2.7 inches)

Interpretive Groups

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

Typical Profile

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

Minor Components

Other soils

Percent of map unit: 10 percent

Rangeland Productivity and Plant Composition

Rio Blanco County Area, Colorado

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		<i>Lb/Ac</i>	<i>Lb/Ac</i>	<i>Lb/Ac</i>		<i>Pct</i>
53:						
Moyerson	Clayey Slopes	---	---	---	---	---

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

Map Unit Description

Rio Blanco County Area, Colorado

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

Rangeland Productivity and Plant Composition

Rio Blanco County Area, Colorado

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		<i>Lb/Ac</i>	<i>Lb/Ac</i>	<i>Lb/Ac</i>		<i>Pct</i>
74:						
Rentsac	---	---	---	---	---	---
Moyerson	Clayey Slopes	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---