

Map Unit Description

Moffat County Area, Colorado

112 Kemmerer-Moyerson complex, 20 to 40 percent slopes

Setting

Elevation: 6000 to 7000 feet
Mean annual precipitation: 11 to 13 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 75 to 95 days

Composition

Kemmerer and similar soils: 45 percent
Moyerson and similar soils: 40 percent

Description of Kemmerer

Setting

Landform: Hills
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum derived from shale

Properties and Qualities

Slope: 20 to 40 percent
Depth to restrictive feature: 20 to 40 inches to Paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately low (0.00 to 0.06 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 5 percent
Sodium adsorption ratio maximum: 2.0
Available water capacity: Low (about 3.6 inches)

Interpretive Groups

Land capability (non irrigated): 7e
Ecological site: Clayey Slopes (R034XY246CO)

Typical Profile

0 to 3 inches: silty clay loam
3 to 22 inches: clay
22 to 26 inches: weathered bedrock

Description of Moyerson

Setting

Landform: Hills
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum derived from shale

Properties and Qualities

Slope: 20 to 40 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): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 4 percent
Gypsum maximum: 5 percent
Salinity maximum: Non saline or slightly saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio maximum: 3.0
Available water capacity: Very low (about 2.2 inches)

Interpretive Groups

Land capability (non irrigated): 7e
Ecological site: Clayey Slopes (R034XY246CO)

Typical Profile

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0 to 1 inches: silty clay loam
1 to 17 inches: silty clay
17 to 21 inches: weathered bedrock