

# 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

## Map Unit Description

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