

Typical profile

0 to 3 inches: Very cobbly sandy loam

3 to 35 inches: Very gravelly clay loam

35 to 60 inches: Extremely gravelly sandy clay loam

112—Kemmerer-Moyerson complex, 20 to 40 percent slopes

Map Unit Setting

Elevation: 6,000 to 7,000 feet

Mean annual precipitation: 11 to 13 inches

Mean annual air temperature: 42 to 45 degrees F

Frost-free period: 75 to 95 days

Map Unit Composition

Kemmerer and similar soils: 45 percent

Moyerson and similar soils: 40 percent

Description of Kemmerer

Setting

Landform: Hills

Landform position (three-dimensional): Base slope, head slope, nose slope, side slope

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 to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Gypsum, maximum content: 5 percent

Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water capacity: Low (about 3.6 inches)

Interpretive groups

Land capability (nonirrigated): 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

Landform position (three-dimensional): Base slope, head slope, nose slope, side slope

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 to moderately high (0.06 to 0.20 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 4 percent

Gypsum, maximum content: 5 percent

Maximum salinity: Nonsaline to 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 (nonirrigated): 7e

Ecological site: Clayey Slopes (R034XY246CO)

Typical profile

0 to 1 inches: Silty clay loam

1 to 17 inches: Silty clay

17 to 21 inches: Weathered bedrock

113—Kemmerer-Yamo complex, 5 to 30 percent slopes

Map Unit Setting

Elevation: 6,100 to 7,200 feet

Mean annual precipitation: 11 to 13 inches

Mean annual air temperature: 42 to 45 degrees F

Frost-free period: 75 to 95 days

Map Unit Composition

Kemmerer and similar soils: 60 percent

Yamo and similar soils: 20 percent

Description of Kemmerer

Setting

Landform: Hills