

Moffat County Area, Colorado

117—Lamphier-Jerry complex, 25 to 65 percent slopes

Map Unit Setting

National map unit symbol: jp7r

Elevation: 7,200 to 8,600 feet

Mean annual precipitation: 18 to 20 inches

Mean annual air temperature: 37 to 40 degrees F

Frost-free period: 50 to 75 days

Farmland classification: Not prime farmland

Map Unit Composition

Lamphier and similar soils: 45 percent

Jerry and similar soils: 30 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lamphier

Setting

Landform: Mountainsides, plateaus

Landform position (three-dimensional): Mountainflank

Down-slope shape: Convex, linear

Across-slope shape: Convex, linear

Parent material: Colluvium and residuum derived from sandstone

Typical profile

Oe - 0 to 2 inches: moderately decomposed plant material

H2 - 2 to 24 inches: fine sandy loam

H3 - 24 to 60 inches: sandy clay loam

Properties and qualities

Slope: 25 to 65 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: High (about 9.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: Brushy Loam (R048AY238CO)

Description of Jerry

Setting

Landform: Mountainsides, plateaus
Landform position (three-dimensional): Mountainflank
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Colluvium and residuum derived from shale

Typical profile

H1 - 0 to 10 inches: loam
H2 - 10 to 21 inches: clay loam
H3 - 21 to 27 inches: silty clay
H4 - 27 to 60 inches: silty clay loam

Properties and qualities

Slope: 25 to 65 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very high
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 in profile: 4 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to
2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: High (about 10.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: Brushy Loam (R048AY238CO)

Data Source Information

Soil Survey Area: Moffat County Area, Colorado
Survey Area Data: Version 8, Sep 22, 2014