

## 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