

## Rifle Area, Colorado, Parts of Garfield and Mesa Counties

### 21—Cushman-Lazear stony loams, 15 to 65 percent slopes

#### Map Unit Setting

*National map unit symbol:* jnxk

*Elevation:* 5,000 to 7,000 feet

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Cushman and similar soils:* 45 percent

*Lazear and similar soils:* 40 percent

*Minor components:* 15 percent

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

#### Description of Cushman

##### Setting

*Landform:* Breaks, mountainsides

*Landform position (three-dimensional):* Mountainflank

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Residuum weathered from sandstone and shale

##### Typical profile

*H1 - 0 to 3 inches:* stony loam

*H2 - 3 to 6 inches:* sandy clay loam

*H3 - 6 to 17 inches:* loam

*H4 - 17 to 32 inches:* very gravelly loam

*H5 - 32 to 36 inches:* weathered bedrock

##### Properties and qualities

*Slope:* 15 to 30 percent

*Depth to restrictive feature:* 20 to 40 inches to paralithic bedrock

*Natural drainage class:* Well drained

*Runoff class:* High

*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 in profile:* 15 percent

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

*Available water storage in profile:* Low (about 3.7 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7s

*Hydrologic Soil Group:* C

*Hydric soil rating:* No

## **Description of Lazear**

### **Setting**

*Landform:* Mountainsides

*Landform position (three-dimensional):* Mountainflank

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Residuum weathered from sandstone and shale

### **Typical profile**

*H1 - 0 to 4 inches:* stony loam

*H2 - 4 to 16 inches:* cobbly loam

*H3 - 16 to 20 inches:* weathered bedrock

### **Properties and qualities**

*Slope:* 15 to 65 percent

*Depth to restrictive feature:* 10 to 20 inches to lithic bedrock

*Natural drainage class:* Well drained

*Runoff class:* Very high

*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 in profile:* 10 percent

*Available water storage in profile:* Very low (about 1.8 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* D

*Hydric soil rating:* No

## **Minor Components**

### **Idlefonso**

*Percent of map unit:* 10 percent

*Landform:* Mountainsides

*Landform position (three-dimensional):* Mountainflank

*Hydric soil rating:* No

### **Rock outcrop**

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Rifle Area, Colorado, Parts of Garfield and Mesa Counties

Survey Area Data: Version 10, Oct 12, 2017