

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

### 66—Torriorthents-Camborthids-Rock outcrop complex, steep

#### Map Unit Setting

*National map unit symbol:* jnz4  
*Elevation:* 5,000 to 8,500 feet  
*Mean annual precipitation:* 10 to 15 inches  
*Mean annual air temperature:* 39 to 46 degrees F  
*Frost-free period:* 80 to 105 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Torriorthents, steep, and similar soils:* 45 percent  
*Camborthids, steep, and similar soils:* 20 percent  
*Rock outcrop, steep:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Torriorthents, Steep

##### Setting

*Landform:* Mountainsides  
*Landform position (two-dimensional):* Footslope  
*Landform position (three-dimensional):* Mountainflank, base slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Parent material:* Stony, basaltic alluvium derived from sandstone and shale

##### Typical profile

*H1 - 0 to 4 inches:* variable  
*H2 - 4 to 30 inches:* fine sandy loam  
*H3 - 30 to 34 inches:* unweathered bedrock

##### Properties and qualities

*Slope:* 15 to 70 percent  
*Depth to restrictive feature:* 4 to 30 inches to lithic 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:* 5 percent  
*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* Very low (about 2.4 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* D

*Hydric soil rating:* No

### **Description of Camborthids, Steep**

#### **Setting**

*Landform:* Mountainsides

*Landform position (two-dimensional):* Footslope

*Landform position (three-dimensional):* Mountainflank, base slope

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Stony, basaltic alluvium derived from sandstone and shale

#### **Typical profile**

*H1 - 0 to 4 inches:* variable

*H2 - 4 to 30 inches:* clay loam

*H3 - 30 to 34 inches:* unweathered bedrock

#### **Properties and qualities**

*Slope:* 15 to 65 percent

*Depth to restrictive feature:* 15 to 60 inches to lithic 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:* 10 percent

*Gypsum, maximum in profile:* 2 percent

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

*Available water storage in profile:* Low (about 4.0 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* C

*Hydric soil rating:* No

### **Description of Rock Outcrop, Steep**

#### **Setting**

*Landform:* Mountainsides

*Landform position (three-dimensional):* Free face

*Down-slope shape:* Convex

*Across-slope shape:* Convex

#### **Typical profile**

*H1 - 0 to 60 inches:* unweathered bedrock

**Properties and qualities**

*Slope:* 15 to 70 percent

*Depth to restrictive feature:* 0 inches to paralithic bedrock

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately high (0.00 to 0.20 in/hr)

*Available water storage in profile:* Very low (about 0.0 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 8s

*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