

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

### 67—Torriorthents-Rock outcrop complex, steep

#### Map Unit Setting

*National map unit symbol:* jnz5  
*Elevation:* 5,800 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:* 60 percent  
*Rock outcrop, steep:* 25 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:* Concave, convex  
*Across-slope shape:* Concave, 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*

### **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*

## **Data Source Information**

Soil Survey Area: Rifle Area, Colorado, Parts of Garfield and Mesa Counties  
Survey Area Data: Version 9, Sep 22, 2015