

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

### 62—Rock outcrop-Torriorthents complex, very steep

#### Map Unit Setting

*National map unit symbol:* jnz0  
*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

*Rock outcrop:* 65 percent  
*Torriorthents and similar soils:* 30 percent  
*Minor components:* 5 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Rock Outcrop

##### Setting

*Landform:* Hillslopes, escarpments, plateaus  
*Landform position (two-dimensional):* Shoulder  
*Landform position (three-dimensional):* Free face  
*Down-slope shape:* Convex, concave  
*Across-slope shape:* Convex, concave  
*Parent material:* Very stony colluvium derived from calcareous shale

##### Typical profile

*H1 - 0 to 60 inches:* unweathered bedrock

##### Properties and qualities

*Slope:* 50 to 80 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

#### Description of Torriorthents

##### Setting

*Landform:* Hillslopes, plateaus  
*Landform position (two-dimensional):* Shoulder

*Landform position (three-dimensional):* Free face  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Parent material:* Alluvium derived from calcareous 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:* 50 to 80 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):* 8e  
*Hydrologic Soil Group:* D  
*Hydric soil rating:* No

#### **Minor Components**

##### **Nihill**

*Percent of map unit:* 5 percent  
*Landform:* Hillslopes, plateaus  
*Landform position (two-dimensional):* Shoulder  
*Landform position (three-dimensional):* Free face  
*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