

# Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

## 62 Rock outcrop-Torriorthents complex, very steep

### Setting

Elevation: 5800 to 8500 feet  
Mean annual precipitation: 10 to 15 inches  
Mean annual air temperature: 39 to 46 degrees F  
Frost-free period: 80 to 105 days

### Composition

Rock outcrop: 65 percent  
Torriorthents and similar soils: 30 percent

### Description of Rock outcrop

#### Setting

Landform: Hillslopes, escarpments, plateaus  
Landform position (two-dimensional): Shoulder  
Down-slope shape: Concave, convex  
Across-slope shape: Concave, convex  
Parent material: Very stony colluvium derived from calcareous shale

#### Properties and Qualities

Slope: 50 to 80 percent  
Depth to restrictive feature: 0 to 0 inches to Paralithic bedrock  
Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately high (0.00 to 0.20 in/hr)  
Frequency of flooding: None  
Available water capacity: Very low (about 0.0 inches)

#### Interpretive Groups

Land capability (non irrigated): 8s

#### Typical Profile

0 to 60 inches: unweathered bedrock

### Description of Torriorthents

#### Setting

Landform: Hillslopes, plateaus  
Landform position (two-dimensional): Shoulder  
Down-slope shape: Convex  
Across-slope shape: Convex  
Parent material: Alluvium derived from calcareous shale

#### Properties and Qualities

Slope: 50 to 80 percent  
Depth to restrictive feature: 4 to 30 inches to Lithic bedrock  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 5 percent  
Gypsum maximum: 0 percent  
Available water capacity: Very low (about 2.4 inches)

#### Interpretive Groups

Land capability (non irrigated): 8e

#### Typical Profile

0 to 4 inches: variable  
4 to 30 inches: fine sandy loam  
30 to 34 inches: unweathered bedrock