

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

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

#### Map Unit Setting

*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

#### Map Unit Composition

*Rock outcrop:* 65 percent

*Torriorthents and similar soils:* 30 percent

#### Description of Rock Outcrop

##### Setting

*Landform:* Hillslopes, plateaus, escarpments

*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

*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

*Farmland classification:* Not prime farmland

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 8s

#### Description of Torriorthents

##### Setting

*Landform:* Plateaus, hillslopes

*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:* neutral, variable

*H2 - 4 to 30 inches:* neutral, 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

*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 (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* Very low (about 2.4 inches)

**Interpretive groups**

*Farmland classification:* Not prime farmland

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 8e

*Hydrologic Soil Group:* D

## Data Source Information

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

Survey Area Data: Version 7, Dec 23, 2013