

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