

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

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 capacity: Very low (about 0.0 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability (nonirrigated): 8s

Typical profile

0 to 60 inches: Unweathered bedrock

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

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 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 content: 5 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Very low (about 2.4 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability (nonirrigated): 8e
Hydrologic Soil Group: D

Typical profile

0 to 4 inches: Variable
4 to 30 inches: Fine sandy loam
30 to 34 inches: Unweathered bedrock

Data Source Information

Soil Survey Area: Rifle Area, Colorado, Parts of Garfield and Mesa Counties
Survey Area Data: Version 7, Dec 23, 2013