

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

Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

52 Parachute loam, 25 to 65 percent slopes

Setting

Elevation: 7500 to 8700 feet

Composition

Parachute and similar soils: 85 percent

Description of Parachute

Setting

Landform: Mountainsides

Down-slope shape: Concave

Across-slope shape: Concave

Parent material: Residuum weathered from sandstone

Properties and Qualities

Slope: 25 to 65 percent

Depth to restrictive feature: 20 to 40 inches to Paralithic 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: 0 percent

Gypsum maximum: 0 percent

Available water capacity: Low (about 3.3 inches)

Interpretive Groups

Land capability (non irrigated): 7e

Ecological site: Brushy Loam (R048AY238CO)

Typical Profile

0 to 5 inches: loam

5 to 18 inches: loam

18 to 29 inches: extremely channery loam

29 to 33 inches: unweathered bedrock

Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

47 Nihill channery loam, 6 to 25 percent slopes

Setting

Elevation: 5000 to 6500 feet

Composition

Nihill and similar soils: 85 percent

Description of Nihill

Setting

Landform: Valley sides, alluvial fans
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Alluvium derived from sandstone and shale

Properties and Qualities

Slope: 6 to 25 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 1 percent
Available water capacity: Low (about 3.6 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Rolling Loam (R048AY298CO)

Typical Profile

0 to 11 inches: channery loam
11 to 18 inches: very channery loam
18 to 60 inches: stratified extremely channery sandy loam to extremely channery loam