Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

58 Potts-Ildefonso complex, 12 to 25 percent slopes

Setting

Elevation: 5000 to 6500 feet

Composition

Potts and similar soils: 60 percent
Ildefonso and similar soils: 30 percent

Description of Potts

Setting

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

Properties and Qualities

Slope: 12 to 25 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.3 inches)

Interpretive Groups

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

Typical Profile

0 to 4 inches: loam
4 to 28 inches: clay loam
28 to 60 inches: loam

Description of Ildefonso

Setting

Landform: Alluvial fans, mesas, valley sides
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Alluvium derived from basalt and/or alluvium derived from sandstone and shale

Properties and Qualities

Slope: 12 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: 35 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 5.1 inches)

Interpretive Groups

Land capability (non irrigated): 6e

Typical Profile

0 to 8 inches: stony loam
8 to 60 inches: very stony loam

Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

67 Torriorthents-Rock outcrop complex, steep

Setting

Landscape: Foothills
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

Torriorthents, steep, and similar soils: 60 percent
Rock outcrop, steep: 25 percent

Description of Torriorthents, steep

Setting

Landform: Mountainsides
Landform position (two-dimensional): Footslope
Down-slope shape: Concave, convex
Across-slope shape: Concave, convex
Parent material: Stony, basaltic alluvium derived from sandstone and shale

Properties and Qualities

Slope: 15 to 70 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 (Ksal): 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): 7e

Typical Profile

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

Description of Rock outcrop, steep

Setting

Landform: Mountainsides
Down-slope shape: Convex
Across-slope shape: Convex

Properties and Qualities

Slope: 15 to 70 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