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

Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

9 Badland

Setting

Landscape: Foothills

Composition

Badland: 85 percent

Description of Badland

Setting

Landform: Mountainsides, drainageways
Down-slope shape: Concave, convex
Across-slope shape: Concave, convex
Parent material: Soft sandstone and shale and/or soft shale and siltstone

Properties and Qualities

Slope: 1 to 99 percent
Depth to restrictive feature: 0 to 3 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): 8e

Typical Profile

0 to 60 inches: unweathered bedrock