

## 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

### 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