

## Rifle Area, Colorado, Parts of Garfield and Mesa Counties

### 47—Nihill channery loam, 6 to 25 percent slopes

#### Map Unit Setting

*National map unit symbol:* jnyg

*Elevation:* 5,000 to 6,500 feet

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Nihill and similar soils:* 85 percent

*Estimates are based on observations, descriptions, and transects of  
the mapunit.*

#### 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

##### Typical profile

*H1 - 0 to 11 inches:* channery loam

*H2 - 11 to 18 inches:* very channery loam

*H3 - 18 to 60 inches:* stratified extremely channery sandy loam to  
extremely channery loam

##### Properties and qualities

*Slope:* 6 to 25 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.60 to 6.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 15 percent

*Gypsum, maximum in profile:* 1 percent

*Salinity, maximum in profile:* Nonsaline to slightly saline (0.0 to 4.0  
mmhos/cm)

*Available water storage in profile:* Low (about 3.6 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* A

*Ecological site:* Rolling Loam (R048AY298CO)

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Rifle Area, Colorado, Parts of Garfield and Mesa Counties  
Survey Area Data: Version 10, Oct 12, 2017