

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

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

#### Map Unit Setting

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

#### Map Unit 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

##### Typical profile

*H1 - 0 to 11 inches:* moderately alkaline, channery loam

*H2 - 11 to 18 inches:* moderately alkaline, very channery loam

*H3 - 18 to 60 inches:* moderately alkaline, 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

*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 very slightly saline (0.0 to 4.0 mmhos/cm)

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

##### Interpretive groups

*Farmland classification:* Not prime farmland

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* A

*Ecological site:* Rolling Loam (R048AY298CO)

## Data Source Information

Soil Survey Area: Rifle Area, Colorado, Parts of Garfield and Mesa Counties

Survey Area Data: Version 7, Dec 23, 2013