

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