

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

3 Arvada loam, 1 to 6 percent slopes

Setting

Elevation: 5100 to 6200 feet

Composition

Arvada and similar soils: 80 percent

Minor components: 5 percent

Description of Arvada

Setting

Landform: Terraces, fans

Down-slope shape: Convex, linear

Across-slope shape: Convex, linear

Parent material: Highly saline alluvium derived from sandstone and shale

Properties and Qualities

Slope: 1 to 6 percent

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: 10 percent

Gypsum maximum: 2 percent

Salinity maximum: Very slightly saline or moderately saline (4.0 to 16.0 mmhos/cm)

Sodium adsorption ratio maximum: 30.0

Available water capacity: Moderate (about 8.0 inches)

Interpretive Groups

Land capability classification (irrigated): 7s

Land capability (non irrigated): 7s

Ecological site: Salt Flats (R048AY261CO)

Typical Profile

0 to 3 inches: loam

3 to 17 inches: silty clay loam

17 to 60 inches: silty clay loam

Minor Components

Wann

Percent of map unit: 5 percent

Landform: Terraces