

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

3—Arvada loam, 1 to 6 percent slopes

Map Unit Setting

Elevation: 5,100 to 6,200 feet

Map Unit Composition

Arvada and similar soils: 80 percent

Minor components: 5 percent

Description of Arvada

Setting

Landform: Terraces, fans

Landform position (three-dimensional): Tread

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

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 10 percent

Gypsum, maximum content: 2 percent

Maximum salinity: Very slightly saline to 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

Farmland classification: Not prime farmland

Land capability classification (irrigated): 7s

Land capability (nonirrigated): 7s

Hydrologic Soil Group: C

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

Landform position (three-dimensional): Tread

Data Source Information

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

Survey Area Data: Version 7, Dec 23, 2013

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

72—Wann sandy loam, 1 to 3 percent slopes

Map Unit Setting

Elevation: 5,000 to 6,500 feet

Map Unit Composition

Wann and similar soils: 85 percent

Description of Wann

Setting

Landform: Terraces, valley floors

Landform position (three-dimensional): Tread

Down-slope shape: Linear, convex

Across-slope shape: Linear, convex

Parent material: Alluvium derived from sandstone and shale

Properties and qualities

Slope: 1 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Poorly drained

Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)

Depth to water table: About 0 inches

Frequency of flooding: Occasional

Frequency of ponding: None

Calcium carbonate, maximum content: 10 percent

Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water capacity: Very high (about 26.3 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated and reclaimed of excess salts and sodium

Land capability classification (irrigated): 4w

Land capability (nonirrigated): 6w

Hydrologic Soil Group: A/D

Ecological site: Salt Meadow (R048AY265CO)

Typical profile

0 to 8 inches: Sandy loam

8 to 60 inches: Sandy loam, fine sandy loam, coarse sandy loam

Data Source Information

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

Survey Area Data: Version 7, Dec 23, 2013