

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

3—Arvada loam, 1 to 6 percent slopes

Map Unit Setting

National map unit symbol: jnxv

Elevation: 5,100 to 6,200 feet

Farmland classification: Not prime farmland

Map Unit Composition

Arvada and similar soils: 80 percent

Minor components: 5 percent

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

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

Typical profile

H1 - 0 to 3 inches: loam

H2 - 3 to 17 inches: silty clay loam

H3 - 17 to 60 inches: silty clay loam

Properties and qualities

Slope: 1 to 6 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: High

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 in profile: 10 percent

Gypsum, maximum in profile: 2 percent

Salinity, maximum in profile: Slightly saline to strongly saline (4.0 to 16.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 30.0

Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 7s

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: C

Ecological site: Salt Flats (R048AY261CO)

Hydric soil rating: No

Minor Components

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Percent of map unit: 5 percent

Landform: Terraces

Landform position (three-dimensional): Tread

Hydric soil rating: Yes

Data Source Information

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

Survey Area Data: Version 9, Sep 22, 2015