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

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Percent of map unit: 5 percent
Landform: Terraces

Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

67 Torriorthents-Rock outcrop complex, steep

Setting

Landscape: Foothills
Elevation: 5800 to 8500 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 39 to 46 degrees F
Frost-free period: 80 to 105 days

Composition

Torriorthents, steep, and similar soils: 60 percent
Rock outcrop, steep: 25 percent

Description of Torriorthents, steep

Setting

Landform: Mountainsides
Landform position (two-dimensional): Footslope
Down-slope shape: Concave, convex
Across-slope shape: Concave, convex
Parent material: Stony, basaltic alluvium derived from sandstone and shale

Properties and Qualities

Slope: 15 to 70 percent
Depth to restrictive feature: 4 to 30 inches to Lithic bedrock
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: 5 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 2.4 inches)

Interpretive Groups

Land capability (non irrigated): 7e

Typical Profile

0 to 4 inches: variable
4 to 30 inches: fine sandy loam
30 to 34 inches: unweathered bedrock

Description of Rock outcrop, steep

Setting

Landform: Mountainsides
Down-slope shape: Convex
Across-slope shape: Convex

Properties and Qualities

Slope: 15 to 70 percent
Depth to restrictive feature: 0 to 0 inches to Paralithic bedrock
Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately high (0.00 to 0.20 in/hr)
Frequency of flooding: None
Available water capacity: Very low (about 0.0 inches)

Interpretive Groups

Land capability (non irrigated): 8s

Typical Profile

0 to 60 inches: unweathered bedrock