

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

17—Cochetopa loam, 9 to 50 percent slopes MLRA 48A

Map Unit Setting

National map unit symbol: 2w4zr
Elevation: 7,000 to 9,500 feet
Mean annual precipitation: 18 to 22 inches
Mean annual air temperature: 37 to 39 degrees F
Frost-free period: 45 to 75 days
Farmland classification: Not prime farmland

Map Unit Composition

Cochetopa and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cochetopa

Setting

Landform: Mountain slopes
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Colluvium derived from volcanic and sedimentary rock

Typical profile

A - 0 to 19 inches: loam
Bt - 19 to 44 inches: stony clay
BCt - 44 to 60 inches: very stony clay

Properties and qualities

Slope: 9 to 50 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 low to moderately high (0.07 to 0.21 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Salinity, maximum in profile: Nonsaline (0.0 to 1.0 mmhos/cm)
Available water storage in profile: Moderate (about 8.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: C
Ecological site: Brushy Loam (R048AY238CO)

Minor Components

Jerry, stony

Percent of map unit: 10 percent

Landform: Mountain slopes

Down-slope shape: Convex

Across-slope shape: Linear

Ecological site: Subalpine Loam (R048AY250CO)

Lamphier

Percent of map unit: 5 percent

Landform: Mountain slopes

Down-slope shape: Concave

Across-slope shape: Concave

Ecological site: Aspen Woodland (F048AY449CO)

Data Source Information

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

Survey Area Data: Version 9, Sep 22, 2015