

Piedra Area, Colorado, Parts of Archuleta, Hinsdale, La Plata, Mineral, and Rio Grande Counties

4E—Carracas loam, 25 to 65 percent slopes

Map Unit Setting

National map unit symbol: jt84
Elevation: 6,500 to 8,000 feet
Mean annual precipitation: 22 to 27 inches
Mean annual air temperature: 45 to 50 degrees F
Frost-free period: 100 to 130 days
Farmland classification: Not prime farmland

Map Unit Composition

Carracas and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Carracas

Setting

Landform: Scarp slopes, valley sides, canyons, hogbacks, cuestras
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Free face, mountainflank
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Interbedded residuum weathered from sandstone and shale

Typical profile

A - 0 to 4 inches: loam
C - 4 to 14 inches: sandy loam
2Cr - 14 to 24 inches: bedrock

Properties and qualities

Slope: 25 to 65 percent
Depth to restrictive feature: 12 to 20 inches to paralithic bedrock
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat):
Moderately low (0.03 to 0.13 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Very low (about 1.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Hydric soil rating: No

Minor Components

Rock outcrop, shale & sandstone

Percent of map unit: 10 percent

Hydric soil rating: Unranked

Data Source Information

Soil Survey Area: Piedra Area, Colorado, Parts of Archuleta, Hinsdale, La Plata, Mineral, and Rio Grande Counties

Survey Area Data: Version 3, Oct 13, 2017