

Archuleta County Area, Colorado

E8-CD—Bodot clay, 3 to 10 percent slopes

Map Unit Setting

National map unit symbol: jrj
Elevation: 6,000 to 7,000 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 45 to 50 degrees F
Frost-free period: 110 to 130 days
Farmland classification: Not prime farmland

Map Unit Composition

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

Description of Bodot

Setting

Landform: Hills
Landform position (three-dimensional): Side slope, crest
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Slope alluvium derived from shale

Typical profile

A - 0 to 3 inches: clay
AB - 3 to 6 inches: clay
Bss - 6 to 33 inches: clay
Cr - 33 to 37 inches: weathered bedrock

Properties and qualities

Slope: 3 to 10 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Natural drainage class: Well drained
Runoff class: Very 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
Salinity, maximum in profile: Nonsaline to moderately saline (0.0 to 8.0 mmhos/cm)
Available water storage in profile: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: D

Ecological site: Clayey Foothills (R036XY289CO)
Hydric soil rating: No

Minor Components

Arboles

Percent of map unit: 10 percent
Landform: Hillslopes
Landform position (three-dimensional): Base slope
Ecological site: Clayey Foothills (R036XY289CO)
Hydric soil rating: No

Payan

Percent of map unit: 5 percent
Landform: Hills
Landform position (three-dimensional): Crest
Ecological site: Pinus edulis-Juniperus osteosperma/Artemisia tridentata ssp. vaseyana-Cercocarpus montanus/Poa fendleriana-Pleuraphis jamesii (F036XY927CO)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Archuleta County Area, Colorado
Survey Area Data: Version 9, Sep 28, 2015