

Archuleta County Area, Colorado

EO-CD—Arboles clay, 3 to 12 percent slopes

Map Unit Setting

National map unit symbol: jrjh

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

Arboles and similar soils: 85 percent

Minor components: 15 percent

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

Description of Arboles

Setting

Landform: Pediments

Landform position (three-dimensional): Base slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Slope alluvium derived from sandstone and shale

Typical profile

A1 - 0 to 1 inches: clay

A2 - 1 to 6 inches: clay

Bss1 - 6 to 12 inches: clay

Bss2 - 12 to 23 inches: clay

Bss3 - 23 to 30 inches: clay

Bk - 30 to 37 inches: clay loam

C1 - 37 to 46 inches: clay loam

C2 - 46 to 60 inches: clay loam

Properties and qualities

Slope: 3 to 12 percent

Depth to restrictive feature: More than 80 inches

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: 8 percent

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 3.0

Available water storage in profile: High (about 9.6 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: Clayey Foothills (R036XY289CO)
Hydric soil rating: No

Minor Components

Bodot

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

Sili

Percent of map unit: 3 percent
Landform: Pediments
Landform position (three-dimensional): Base slope
Ecological site: Clayey Foothills (R036XY289CO)
Hydric soil rating: No

Aquents

Percent of map unit: 1 percent
Landform: Depressions
Landform position (three-dimensional): Base slope
Ecological site: Wet Meadow (R036XY038CO)
Hydric soil rating: Yes

Bayfield

Percent of map unit: 1 percent
Landform: Valleys
Ecological site: Clayey Foothills (R036XY289CO)
Hydric soil rating: No

Data Source Information

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