

La Plata County Area, Colorado

5—Arboles clay, 3 to 12 percent slopes

Map Unit Setting

National map unit symbol: 1yp0

Elevation: 6,000 to 7,000 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 47 to 50 degrees F

Frost-free period: 110 to 130 days

Farmland classification: Not prime farmland

Map Unit Composition

Arboles and similar soils: 80 percent

Minor components: 20 percent

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

Description of Arboles

Setting

Landform: Valleys

Landform position (three-dimensional): Side slope, base slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Fine-textured alluvium derived from shale

Typical profile

H1 - 0 to 6 inches: clay

H2 - 6 to 30 inches: clay, silty clay

H2 - 6 to 30 inches: clay loam, silty clay loam, clay

H3 - 30 to 60 inches:

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Properties and qualities

Slope: 3 to 12 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: 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 very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Very high (about 23.0 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: C

Minor Components

Bodot

Percent of map unit: 15 percent

Other soils

Percent of map unit: 4 percent

Aquents

Percent of map unit: 1 percent

Landform: Depressions

Data Source Information

Soil Survey Area: La Plata County Area, Colorado

Survey Area Data: Version 13, Sep 22, 2015