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): Base slope, side 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
H3 - 30 to 60 inches: clay

Properties and qualities

Slope: 3 to 12 percent
Depth to restrictive feature: More than 80 inches
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 content: 10 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: High (about 9.6 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: R036XY289CO - Clayey Foothills

Hydric soil rating: No

Minor Components

Bodot
Percent of map unit: 15 percent
Hydric soil rating: No

Other soils
Percent of map unit: 4 percent
Hydric soil rating: No

Aquents
Percent of map unit: 1 percent
Landform: Depressions
Hydric soil rating: Yes

Data Source Information

Soil Survey Area: La Plata County Area, Colorado
Survey Area Data: Version 22, Aug 29, 2024