

La Plata County Area, Colorado

14—Bodot clay, 3 to 10 percent slopes

Map Unit Setting

National map unit symbol: 1ymr

Elevation: 6,000 to 7,000 feet

Mean annual precipitation: 14 to 17 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

Bodot and similar soils: 75 percent

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

Description of Bodot

Setting

Landform: Hills

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

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Residuum weathered from shale

Typical profile

H1 - 0 to 3 inches: clay

H2 - 3 to 33 inches: clay, clay loam, silty clay loam

H2 - 3 to 33 inches: weathered bedrock

H2 - 3 to 33 inches:

H3 - 33 to 37 inches:

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: 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 slightly saline (0.0 to 8.0 mmhos/cm)

Available water storage in profile: Very high (about 13.1 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: D

Other vegetative classification: Clayey Foothills (048AY208CO)

Data Source Information

Soil Survey Area: La Plata County Area, Colorado
Survey Area Data: Version 12, Sep 22, 2014