

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 moderately 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