

## 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

*Minor components:* 25 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)*  
*Hydric soil rating: No*

**Minor Components**

**Zyme**

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

**Arboles**

*Percent of map unit: 10 percent*  
*Hydric soil rating: No*

**Data Source Information**

Soil Survey Area: La Plata County Area, Colorado  
Survey Area Data: Version 14, Sep 23, 2016