

# Map Unit Description

La Plata County Area, Colorado

## 14 Bodot clay, 3 to 10 percent slopes

### Setting

Elevation: 6000 to 7000 feet  
Mean annual precipitation: 14 to 17 inches  
Mean annual air temperature: 47 to 50 degrees F  
Frost-free period: 110 to 130 days

### Composition

Bodot and similar soils: 75 percent

### Description of Bodot

#### Setting

Landform: Hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Residuum weathered from shale

#### Properties and Qualities

Slope: 3 to 10 percent  
Depth to restrictive feature: 20 to 40 inches to Paralithic bedrock  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 10 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 4.7 inches)

#### Interpretive Groups

Land capability classification (irrigated): 4e  
Land capability (non irrigated): 4e  
Other vegetative classification: Clayey Foothills (048AY208CO)

#### Typical Profile

0 to 3 inches: clay  
3 to 33 inches: clay, clay loam, silty clay loam  
33 to 37 inches: weathered bedrock