

# Map Unit Description

La Plata County Area, Colorado

## 10 Bayfield silty clay loam, 1 to 3 percent slopes

### Setting

Elevation: 6000 to 7000 feet  
Mean annual precipitation: 13 to 16 inches  
Mean annual air temperature: 46 to 48 degrees F  
Frost-free period: 110 to 130 days

### Composition

Bayfield and similar soils: 75 percent  
Minor components: 1 percent

### Description of Bayfield

#### Setting

Landform: Valleys  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Fine-textured alluvium derived from shale

#### Properties and Qualities

Slope: 1 to 3 percent  
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: 5 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 10.9 inches)

#### Interpretive Groups

Land capability classification (irrigated): 3e  
Land capability (non irrigated): 6e  
Other vegetative classification: Clayey Foothills (048AY208CO)

#### Typical Profile

0 to 4 inches: silty clay loam  
4 to 60 inches: silty clay, silty clay loam, clay

### Minor Components

#### Aquents

Percent of map unit: 1 percent  
Landform: Depressions