

La Plata County Area, Colorado

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

Map Unit Setting

Elevation: 6,000 to 7,000 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 110 to 130 days

Map Unit Composition

Bayfield and similar soils: 75 percent
Minor components: 25 percent

Description of Bayfield

Setting

Landform: Valleys
Landform position (three-dimensional): Base slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Fine-textured alluvium derived from shale

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
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 content: 5 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 10.0
Available water capacity: Very high (about 31.0 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated
Land capability classification (irrigated): 3e
Land capability (nonirrigated): 6e
Hydrologic Soil Group: C
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

Sili

Percent of map unit: 20 percent

Map Unit Description: Bayfield silty clay loam, 1 to 3 percent slopes---La Plata County Area, Colorado; and Piedra Area, Colorado, Parts of Archuleta, Hinsdale, La Plata, Mineral, and Rio Grande Counties

Other soils

Percent of map unit: 4 percent

Aquents

Percent of map unit: 1 percent

Landform: Depressions

Data Source Information

Soil Survey Area: La Plata County Area, Colorado

Survey Area Data: Version 11, Dec 23, 2013

Soil Survey Area: Piedra Area, Colorado, Parts of Archuleta, Hinsdale, La Plata, Mineral, and Rio Grande Counties

Survey Area Data: Version 1, Dec 23, 2013