

## Archuleta County Area, Colorado

### A6-B—Bayfield silty clay loam, 1 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* jrl7

*Elevation:* 6,000 to 7,000 feet

*Mean annual precipitation:* 13 to 15 inches

*Mean annual air temperature:* 45 to 50 degrees F

*Frost-free period:* 110 to 130 days

*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Bayfield and similar soils:* 90 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Bayfield

##### Setting

*Landform:* Valley flats

*Landform position (three-dimensional):* Base slope

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Alluvium derived from sandstone and shale

##### Typical profile

*A1 - 0 to 2 inches:* silty clay loam

*A2 - 2 to 4 inches:* silty clay loam

*Bw1 - 4 to 8 inches:* silty clay loam

*Bw2 - 8 to 15 inches:* silty clay loam

*Bw3 - 15 to 20 inches:* silty clay loam

*C1 - 20 to 35 inches:* silty clay

*C2 - 35 to 48 inches:* silty clay loam

*C3 - 48 to 60 inches:* silty clay loam

##### Properties and qualities

*Slope:* 1 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*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:* 5 percent

*Gypsum, maximum in profile:* 2 percent

*Salinity, maximum in profile:* Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 20.0

*Available water storage in profile:* High (about 10.9 inches)

**Interpretive groups**

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* C

*Ecological site:* Clayey Foothills (R036XY289CO)

*Hydric soil rating:* No

**Minor Components**

**Arboles**

*Percent of map unit:* 9 percent

*Landform:* Pediments

*Landform position (three-dimensional):* Base slope

*Ecological site:* Clayey Foothills (R036XY289CO)

*Hydric soil rating:* No

**Aquents**

*Percent of map unit:* 1 percent

*Landform:* Depressions

*Landform position (three-dimensional):* Base slope

*Ecological site:* Mountain Meadow (R048AY241CO)

*Hydric soil rating:* Yes

## Data Source Information

Soil Survey Area: Archuleta County Area, Colorado

Survey Area Data: Version 9, Sep 28, 2015