

## La Plata County Area, Colorado

### 63—Sili clay loam, 3 to 6 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1yph

*Elevation:* 6,000 to 7,200 feet

*Mean annual precipitation:* 12 to 18 inches

*Mean annual air temperature:* 47 to 50 degrees F

*Frost-free period:* 110 to 130 days

*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Sili and similar soils:* 80 percent

*Minor components:* 20 percent

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

#### Description of Sili

##### Setting

*Landform:* Fans, valleys

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

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Moderately fine to fine-textured alluvium derived from shale

##### Typical profile

*H1 - 0 to 7 inches:* clay loam

*H2 - 7 to 60 inches:* silty clay loam, clay, clay loam

*H2 - 7 to 60 inches:*

*H2 - 7 to 60 inches:*

##### Properties and qualities

*Slope:* 3 to 6 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

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* Very high (about 28.3 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* C  
*Other vegetative classification:* Clayey Foothills (048AY208CO)  
*Hydric soil rating:* No

#### **Minor Components**

##### **Arboles**

*Percent of map unit:* 13 percent  
*Hydric soil rating:* No

##### **Other soils**

*Percent of map unit:* 5 percent  
*Hydric soil rating:* No

##### **Aquents**

*Percent of map unit:* 2 percent  
*Landform:* Depressions  
*Hydric soil rating:* Yes

## **Data Source Information**

Soil Survey Area: La Plata County Area, Colorado  
Survey Area Data: Version 15, Oct 10, 2017