

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

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: clay loam, clay, silty 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)

Data Source Information

Soil Survey Area: La Plata County Area, Colorado
Survey Area Data: Version 12, Sep 22, 2014