

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