Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties

63—Silas loam, 1 to 12 percent slopes

Map Unit Setting

National map unit symbol: jnwg
Elevation: 7,800 to 8,400 feet
Mean annual precipitation: 20 to 25 inches
Mean annual air temperature: 36 to 40 degrees F
Frost-free period: 65 to 90 days
Farmland classification: Not prime farmland

Map Unit Composition

Silas and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Silas

Setting

Landform: Alluvial fans, valley floors
Down-slope shape: Concave, linear
Across-slope shape: Linear, concave
Parent material: Mixed rock alluvium derived from sedimentary rock

Typical profile

H1 - 0 to 18 inches: loam
H2 - 18 to 60 inches: clay loam

Properties and qualities

Slope: 1 to 12 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: About 42 to 72 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water storage in profile: High (about 10.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6c
Hydrologic Soil Group: C
Ecological site: Mountain Swale (R048AY245CO)
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 15 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties
Survey Area Data: Version 9, Sep 23, 2016