

# Map Unit Description

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

## 63 Silas loam, 1 to 12 percent slopes

### Setting

Elevation: 7800 to 8400 feet  
Mean annual precipitation: 20 to 25 inches  
Mean annual air temperature: 36 to 40 degrees F  
Frost-free period: 65 to 90 days

### Composition

Silas and similar soils: 85 percent

### Description of Silas

#### Setting

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

#### Properties and Qualities

Slope: 1 to 12 percent  
Drainage class: Moderately well drained  
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  
Calcium carbonate maximum: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 10.6 inches)

#### Interpretive Groups

Land capability (non irrigated): 6c  
Ecological site: Mountain Swale (R048AY245CO)

#### Typical Profile

0 to 18 inches: loam  
18 to 60 inches: clay loam